

Laboratory for Atmospheric and Space Physics

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Aeronomy of Ice in the Mesosphere
(AIM)

AIM Spacecraft Command & Telemetry Handbook

Document No. CIPS-T-80007

Revision: A

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E.3693	pg vs2pgpegsvzpos	1912
E.3694	pg vs2pgpegsvzvel	1912
E.3695	pg vs3pgpegsvcont	1913
E.3696	pg vs3pgpegsvcsum	1913
E.3697	pg vs3pgpegsvfun	1913
E.3698	pg vs3pgpegsvgpstm	1914
E.3699	pg vs3pgpegsvlen	1914
E.3700	pg vs3pgpegsvpitch	1914
E.3701	pg vs3pgpegsvq0	1915
E.3702	pg vs3pgpegsvq1	1915
E.3703	pg vs3pgpegsvq2	1915
E.3704	pg vs3pgpegsvq3	1916
E.3705	pg vs3pgpegsvroll	1916

E.3706	pg vs3pgpegsvseq	1916
E.3707	pg vs3pgpegsvsource	1917
E.3708	pg vs3pgpegsvsubfun	1917
E.3709	pg vs3pgpegsvtrgt	1917
E.3710	pg vs3pgpegsvweek	1918
E.3711	pg vs3pgpegsvxpos	1918
E.3712	pg vs3pgpegsvxvel	1918
E.3713	pg vs3pgpegsvyaw	1919
E.3714	pg vs3pgpegsvypos	1919
E.3715	pg vs3pgpegsvyvel	1919
E.3716	pg vs3pgpegsvzpos	1920
E.3717	pg vs3pgpegsvzvel	1920
E.3718	pg xbcipscritrcnt	1920
E.3719	pg xbcipstlmrcnt	1921
E.3720	pg xbsofiecritrcnt	1921
E.3721	pg xbsofietlmrcnt	1921
E.3722	pg xpnltmp	1922
E.3723	pg xypnltmp	1922
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E.3725	sm copynum_170	1923
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E.3896	sm lws	1980
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E.4209	su dmpdta227	2085
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E.4225	su dmpdta241	2090

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E.4231	su dmpdta247	2092
E.4232	su dmpdta248	2092
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E.4724	sx s1mddta147	2256
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E.4743	sx s1mddta164	2263
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E.4745	sx s1mddta166	2263

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E.4849	sx s1mddta26	2298

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E.5152	sx s1memsumpsct	2399
E.5153	sx s1memsumpsflg	2399
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E.5155	sx sbaudrate1	2400
E.5156	sx schrestrts0	2400
E.5157	sx schrestrts1	2401
E.5158	sx scmdsex0	2401
E.5159	sx scmdsex1	2401
E.5160	sx scmdsfwd0	2402
E.5161	sx scmdsfwd1	2402

E.5162	sx scmdsrej0	2402
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E.5166	sx serropcode1	2404
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E.5168	sx serrslave1	2404
E.5169	sx sflg	2405
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E.5171	sx sirqpks1	2405
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E.5173	sx slldrxerr1	2406
E.5174	sx slldtxerr0	2406
E.5175	sx slldtxerr1	2407
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E.5177	sx srxctlreg1	2407
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E.5179	sx srxerrs1	2408
E.5180	sx srxstat0	2408
E.5181	sx srxstat1	2409
E.5182	sx ssubasystat0	2409
E.5183	sx ssubasystat1	2409
E.5184	sx stxerrs0	2410
E.5185	sx stxerrs1	2410
E.5186	sx stxstat0	2410
E.5187	sx stxstat1	2411
E.5188	sx swrapmd0	2411
E.5189	sx swrapmd1	2411
E.5190	tg hss2loopbakwd	2412
E.5191	tg loopbakhws	2412
E.5192	tg loopbakhwss	2412
E.5193	tg loopbaklws	2413
E.5194	tg loopbaklwss	2413
E.5195	tg loopbakpid	2413
E.5196	tg loopbakpl	2414
E.5197	tg loopbaksct	2414
E.5198	tg loopbaksflg	2414
E.5199	tp aftdeck_nxtmp2	2415
E.5200	tp aftdeck_pxtmp1	2415
E.5201	tp apeaconttmp	2416
E.5202	tp apealvpstmp	2417
E.5203	tp batbaseplatetmpa	2418
E.5204	tp batbaseplatetmpb	2419
E.5205	tp batcoolcpvtmpa	2419
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E.5207	tp batwarmcpvtmpa	2421
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E.8359	xb_st1 str6stna2	3560
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E.8372	xb_st1 str7stna1	3564
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Command Verb Summary

<i>verb phrase</i>	<i>discrete</i>	<i>comment</i>
arm	yes	A prerequisite command for a potentially hazardous command.
close	yes	Mechanically close a device controlled by the command element. <i>close</i> works in conjunction with the <i>open</i> verb.
copy	no	Copy a specific data buffer from one region of memory to another.
disable	yes	Deactivate a capability or function. <i>disable</i> works in conjunction with the <i>enable</i> verb.
dump	no	Copy a specific data buffer of the command element to telemetry.
enable	yes	Activate a capability or function. <i>enable</i> works in conjunction with the <i>disable</i> verb.
inform	no	Inform an object of some current data.
inhibit	yes	Prevent the system from performing a specified action.
init	no	Begin a software function with an initial paramter. <i>init</i> works in conjunction with the <i>term</i> verb.
issue	yes	Send a telemetry packet.
move	no	Move a machanical object from one position to another.
noop	yes	Instruct the command element to perform no operation or 'do nothing'. <i>noop</i> commands are typically used to verify a command path without disturbing configuration.

A. COMMAND VERB SUMMARY

<i>verb phrase</i>	<i>discrete</i>	<i>comment</i>
observe	no	Science observation sequencing command.
open	yes	Mechanically open a device controlled by the command element. <i>open</i> works in conjunction with the <i>close</i> verb.
pass	yes	Pass subfield data unmodified to a secondary hardware or software command receiver.
reset	yes	Restore a given system to its initial configuration.
safe	yes	Configure a device to a safe state. <i>safe</i> works in conjunction with the <i>wake</i> verb.
select	yes	Select one of multiple discrete positions or modes.
set	no	Vary a continuous range parameter.
stuff	no	Load a given data set into memory at a given location.
suspend	yes	Pause command interpretation until an event occurs.
term	yes	End a software function. <i>term</i> works in conjunction with the <i>init</i> verb.
turn off	yes	Remove power from, or deactivate a device. <i>turn off</i> works in conjunction with the <i>turn on</i> verb.
turn on	yes	Apply power to, or activate a device. <i>turn on</i> works in conjunction with the <i>turn off</i> verb.
wake	yes	Wake the hardware from a safe state. <i>wake</i> works in conjunction with the <i>safe</i> verb.

B

Command List

OASIS-CC/FSW database version TBD, Thu Apr 6 15:55:10 2006.

B.1 sc ac encssfdc

Packet Target Application Identifier

ac, 0x001, (1)

Description

Enable/Disable CSS FDC Processing.

Command Target

none

Format

opcode		subfield(s)	
0x04		ac_encssfdc_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

ac_encssfdc_en: Enable/Disable CSS FDC Processing.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_encssfdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.2 sc ac eneclipse

Packet Target Application Identifier

ac, 0x001, (1)

Description

AC Enable Eclipse AC_NORMAL_CMD_SID (0x1801), FC 0x02, Ground to AC, Asynchronou

Discussion

s Resets various software counters (statistics), based on the parameters message, performance, or error. Each parameter can be set to either: [0] for no effect, or [1] to reset the appropriate counters. This command is accepted in all opertional modes.

Command Target

none

Format

opcode	subfield(s)
0x15	enable
bit 0 7 8 23	Command size = 24 bits = 3 bytes.

Subfield(s)

enable: AC Enable Eclipse AC_NORMAL_CMD_SID (0x1801), FC 0x02, Ground to AC, Asynchronou

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	1
					DISABLE	0
					ENABLE	1

enable conversion coefficients:

c0	c1	c2	c3

enable discussion:

AC Enable Eclipse AC_NORMAL_CMD_SID (0x1801), FC 0x02, Ground to AC, Asynchronou

Safety Level

SAFE

Telemetry Verification

B.3 sc ac engblfdc

Packet Target Application Identifier

ac, 0x001, (1)

Description

Enable/Disable all ACS FDC processing.

Command Target

none

Format

opcode		subfield(s)	
0x0c		ac_engblfdc_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

ac_engblfdc_en: Enable/Disable all ACS FDC processing.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_engblfdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.4 sc ac enirufdc

Packet Target Application Identifier

ac, 0x001, (1)

Description

Enable/Disable IRU FDC Software

Command Target

none

Format

opcode		subfield(s)	
0x07		ac_enirufdc_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**ac_enirufdc_en:** Enable/Disable IRU FDC Software

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_enirufdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.5 sc ac enmtbfdc****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Enable/Disable MTB FDC Software

Command Target

none

Format

opcode		subfield(s)	
0x05		ac_enmtbfdc_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**ac_enmtbfdc_en:** Enable/Disable MTB FDC Software

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_enmtbfdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.6 sc ac enrwaferdc****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Enable/Disable RWA FDC Software

Command Target

none

Format

opcode	subfield(s)
0x06	ac_enrwafdc_en
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)**ac_enrwafdc_en:** Enable/Disable RWA FDC Software

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_enrwafdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.7 sc ac enst1fdc

Packet Target Application Identifier

ac, 0x001, (1)

Description

Enable/Disable ST1 FDC Software

Command Target

none

Format

opcode		subfield(s)	
0x08		ac_enst1fdc_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

ac_enst1fdc_en: Enable/Disable ST1 FDC Software

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_enst1fdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.8 sc ac entamfdc

Packet Target Application Identifier

ac, 0x001, (1)

Description

Enable/Disable TAM FDC Software

Command Target

none

Format

opcode		subfield(s)	
0x0a		ac_entamfdc_en	
bit	0 7 8 23	Command size = 24 bits = 3 bytes.	

Subfield(s)**ac_entamfdc_en:** Enable/Disable TAM FDC Software

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

ac_entamfdc_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.9 sc ac initfsw****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Initialize ACS Software

Command Target

none

Format

opcode		subfield(s)	
0x03		ac_initfsw_mod	
bit	0 7 8 39	Command size = 40 bits = 5 bytes.	

Subfield(s)**ac_initfsw_mod:** Initialize ACS Software

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					ACTASK	0
					SENSORDATA	1
					PROCESSCSS	2
					PROCESSRWA	3
					PROCESSIRU	4
					PROCESSTAM	5
					PROCESSMTB	6
					PROCESSSTA	7
					NAVIGATE	8
					PROP_ATT	9
					ATTDETERMINATION	10
					COMMANDATTITUDE	11
					SLEW	12
					CONTROLERROR	13
					VERIFYERROR	14
					CONTROLMOMENTUM	15
					COMMANDRWA	16
					COMMANDMTB	17
					TELEMETRYOUTPUT	18
					RTSCOMMAND	19
					RSTRWACOMPVLDFLG	20
					RSTMTBCOMPVLDFLG	21
					RSTTAMCOMPVLDFLG	22
					RSTCSSCOMPVLDFLG	23
					RSTSTACOMPVLDFLG	24
					RSTIRUCOMPVLDFLG	25

ac_initfsw_mod conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.10 sc ac mtbcurrentcmd

Packet Target Application Identifier

ac, 0x001, (1)

Description

MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

Command Target

none

Format

opcode		subfield(s)						
0x14		mtbcurrentcmd_id	ac_mtbcurcmdmtb0	ac_mtbcurcmdmtb1	ac_mtbcurcmdmtb2	acmtbcurpwmtb0	acmtbcurpwmtb1	acmtbcurpwmtb2
bit	0 7 8	23 24	87 88	151 152	215 216	231 232		

Command size = 280 bits = 35 bytes.

Subfield(s)**mtbcurrentcmd_id:** MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					MTBX	0
					MTBY	1
					MTBZ	2
					MTBALL	3

mtbcurrentcmd_id conversion coefficients:

c0	c1	c2	c3

ac_mtbcurcmdmtb0: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.1999	0.1999	default	0.1

ac_mtbcurcmdmtb0 conversion coefficients:

c0	c1	c2	c3

ac_mtbcurcmdmtb1: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.1999	0.1999	default	0.1

ac_mtbcurcmdmtb1 conversion coefficients:

c0	c1	c2	c3

ac_mtbcurcmdmtb2: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.1999	0.1999	default	0.1

ac_mtbcurcmdmtb2 conversion coefficients:

c0	c1	c2	c3

acmtbcurpwmtb0: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

acmtbcurpwmtbpw0 conversion coefficients:

c0	c1	c2	c3

acmtbcurpwmtbpw1: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

acmtbcurpwmtbpw1 conversion coefficients:

c0	c1	c2	c3

acmtbcurpwmtbpw2: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

acmtbcurpwmtbpw2 conversion coefficients:

c0	c1	c2	c3

ac.mtbcurpwcmd: MTB Current Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	1	default	

ac.mtbcurpwcmd conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.11 sc ac mtbdipolecmd****Packet Target Application Identifier**

ac, 0x001, (1)

Description

MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

Command Target

none

Format

opcode		subfield(s)										
0x17		mtbdipolecmd_id	ac_mtbdpcmdmtb0	ac_mtbdpcmdmtb1	ac_mtbdpcmdmtb2	ac_mtbdppwmtbpbw0	ac_mtbdppwmtbpbw1	ac_mtbdppwmtbpbw2	ac_mtbdppwmtbpbw3	ac_mtbdppwmtbpbw4	ac_mtbdppwmtbpbw5	ac_mtbdppwmtbpbw6
bit	0 7 8	23 24	87 88	151 152	215 216	231 232						

Command size = 280 bits = 35 bytes.

Subfield(s)

mtbdipolecmd_id: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					MTBX	0
					MTBY	1
					MTBZ	2
					MTBALL	3

mtbdipolecmd_id conversion coefficients:

c0	c1	c2	c3

ac_mtbdpcmdmtb0: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-40	40	default	6

ac_mtbdpcmdmtb0 conversion coefficients:

c0	c1	c2	c3

ac_mtbdpcmdmtb1: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-40	40	default	6

ac_mtbdpcmdmtb1 conversion coefficients:

c0	c1	c2	c3

ac_mtbdpcmdmtb2: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-40	40	default	6

ac_mtbdpcmdmtb2 conversion coefficients:

c0	c1	c2	c3

ac_mtbdppwmtbpbw0: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

ac.mtbdppwmtbpw0 conversion coefficients:

c0	c1	c2	c3

ac.mtbdppwmtbpw1: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

ac.mtbdppwmtbpw1 conversion coefficients:

c0	c1	c2	c3

ac.mtbdppwmtbpw2: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	20	default	10

ac.mtbdppwmtbpw2 conversion coefficients:

c0	c1	c2	c3

ac.mtbdppwcmd: MTB Dipole Ground Commands. MTBGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	1	default	

ac.mtbdppwcmd conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.12 sc ac mtbgroundcntl****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Control MTB Ground Command Safety Lock Default is DISABLE.

Command Target

none

Format

opcode		subfield(s)	
0x10		acmtbgndconten	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)

acmtbgndconten: Control MTB Ground Command Safety Lock Default is DISABLE.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

acmtbgndconten conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.13 sc ac noop****Packet Target Application Identifier**

ac, 0x001, (1)

Description

No Operation AC_NORMAL_CMD_SID (0x1801), FC 0x00, Ground to AC, Asynchronous Ba

Discussion

sic "no operation" command, no actions taken, no side effects. This command is accepted in all operational modes.

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.14 sc ac rstfov

Packet Target Application Identifier

ac, 0x001, (1)

Description

Reset ACS FOV processing. Resets various software counters (statistics), based on

Discussion

on the parameters message, performance, or error. Each parameter can be set to either: [0] for no effect, or [1] to reset the appropriate counters. This command is accepted in all optional modes.

Command Target

none

Format

opcode	Command size = 8 bits = 1 bytes.	
0x16	bit 0	7

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.15 sc ac rststats

Packet Target Application Identifier

ac, 0x001, (1)

Description

AC Reset Statistics AC_NORMAL_CMD_SID (0x1801), FC 0x02, Ground to AC, Asynchronous

Discussion

ous Resets various software counters (statistics), based on the parameters message, performance, or error. Each parameter can be set to either: [0] for no effect, or [1] to reset the appropriate counters. This command is accepted in all optional modes.

Command Target

none

Format

opcode	Command size = 8 bits = 1 bytes.	
0x02	bit 0	7

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.16 sc ac rwagroundcntl****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Control RWA Ground Command Safety Lock Default is DISABLE.

Command Target

none

Format

opcode	subfield(s)			
	0x0f	acrwagndconten		
bit	0	7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)**acrwagndconten:** Control RWA Ground Command Safety Lock Default is DISABLE.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DISABLE	0
					ENABLE	1

acrwagndconten conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.17 sc ac rwaspeedcmd****Packet Target Application Identifier**

ac, 0x001, (1)

Description

RWA Speed Ground Commands. RWAGROUNDCONTROL must be ENABLED.

Command Target

none

Format

opcode		subfield(s)				Command size				
0x12		ac_rwaspcmd_id	ac_rwaspcmdrwa0	ac_rwaspcmdrwa1	ac_rwaspcmdrwa2					
bit	0	7	8	23	24	87	88	151	152	215

= 216 bits = 27 bytes.

Subfield(s)

ac_rwaspcmd_id: RWA Speed Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					RWA1	0
					RWA2	1
					RWA3	2
					RWAALL	4

ac_rwaspcmd_id conversion coefficients:

c0	c1	c2	c3

ac_rwaspcmdrwa0: RWA Speed Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-267.1	267.1	default	0

ac_rwaspcmdrwa0 conversion coefficients:

c0	c1	c2	c3

ac_rwaspcmdrwa1: RWA Speed Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-267.1	267.1	default	0

ac_rwaspcmdrwa1 conversion coefficients:

c0	c1	c2	c3

ac_rwaspcmdrwa2: RWA Speed Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-267.1	267.1	default	0

ac_rwaspcmdrwa2 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.18 sc ac rwatorquecmd****Packet Target Application Identifier**

ac, 0x001, (1)

Description

RWA Torque Ground Commands. RWAGROUNDCONTROL must be ENABLED.

Command Target

none

Format

opcode		subfield(s)					Command size			
0x13		rwatorquecmd_id	rwatorquecmdrwa0	rwatorquecmdrwa1	rwatorquecmdrwa2					
bit	0	7	8	23	24	87	88	151	152	215

= 216 bits = 27 bytes.

Subfield(s)**rwatorquecmd_id:** RWA Torque Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					RWA1	0
					RWA2	1
					RWA3	2
					RWAALL	4

rwatorquecmd_id conversion coefficients:

c0	c1	c2	c3

rwatorquecmdrwa0: RWA Torque Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.06	0.06	default	0

rwatorquecmdrwa0 conversion coefficients:

c0	c1	c2	c3

rwatorquecmdrwa1: RWA Torque Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.06	0.06	default	0

rwatorquecmdrwa1 conversion coefficients:

c0	c1	c2	c3

rwatorquecmdrwa2: RWA Torque Ground Commands. RWAGROUNDCONTROL must be ENABLED.

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-0.06	0.06	default	0

rwatorquecmdrwa2 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.19 sc ac selmd

Packet Target Application Identifier

ac, 0x001, (1)

Description

Select Mode

Command Target

none

Format

opcode		subfield(s)												
0x0d		acsmode	axis	normalmodeq1	normalmodeq2	normalmodeq3	normalmodeq4	cruciformrate						
bit	0 7	8 39	40 71	72 135	136 199	200 263	264 327	328 391						

Command size = 392 bits = 49 bytes.

Subfield(s)

acsmode: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					LAUNCH	0
					CONTRATENULL	1
					CONTSUNACQ	2
					CONTSUNPOINT	3
					NORMTARGETSUN	4
					NORMTARGETEARTH	5
					NORMTRGTINERTIAL	6
					CALCRUCIFORM	7

acsmode conversion coefficients:

c0	c1	c2	c3

axis: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state				default	
					AXIS0	0
					AXIS1	1
					AXIS2	2

axis conversion coefficients:

c0	c1	c2	c3

normalmodeq1: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

normalmodeq1 conversion coefficients:

c0	c1	c2	c3

normalmodeq2: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

normalmodeq2 conversion coefficients:

c0	c1	c2	c3

normalmodeq3: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

normalmodeq3 conversion coefficients:

c0	c1	c2	c3

normalmodeq4: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	0	1	default	1

normalmodeq4 conversion coefficients:

c0	c1	c2	c3

cruciformrate: Select Mode

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	2.90888e-05	0.02095	default	0.01745

cruciformrate conversion coefficients:

c0	c1	c2	c3

cruciformrate discussion:

units are rad/sec

Safety Level

SAFE

Telemetry Verification**B.20 sc ac seltarget****Packet Target Application Identifier**

ac, 0x001, (1)

Description

Select New Quaternion (offset or pointing)

Command Target

none

Format

opcode		subfield(s)									
0x0e		q0	q1	q2	q3						
bit	0	7	8	71	72	135	136	199	200	263	

Command size = 264 bits = 33 bytes.

Subfield(s)

q0: Select New Quaternion (offset or pointing)

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

q0 conversion coefficients:

c0	c1	c2	c3

q1: Select New Quaternion (offset or pointing)

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

q1 conversion coefficients:

c0	c1	c2	c3

q2: Select New Quaternion (offset or pointing)

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	0

q2 conversion coefficients:

c0	c1	c2	c3

q3: Select New Quaternion (offset or pointing)

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	0	1	default	1

q3 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.21 sc aep disalgctl

Packet Target Application Identifier

aep, 0x0a0, (160)

Description

Disable AEP Software Algorithm Processing

Command Target

none

Format

opcode		subfield(s)	
0x02		aep_algorithm	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**aep_algorithm:** Disable AEP Software Algorithm Processing

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					SA_DEPLOY_MON	0
					OVERTEMP_EVAL	1
					OVERVOLT_EVAL	2

aep_algorithm conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.22 sc aep dissenctl****Packet Target Application Identifier**

aep, 0x0a0, (160)

Description

Disable Software Sensor Utilization

Command Target

none

Format

opcode		subfield(s)	
0x02		aep_sensor	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

aep_sensor: Disable Software Sensor Utilization

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					ARRAY_CURRENT	0
					BAT_CELL_1_PRES	1
					BAT_CELL_2_PRES	2
					BATTERY_VOLTAGE	3
					BUS_VOLTAGE	4
					BATTERY_CURRENT	5
					LOAD_CURRENT	6
					BATT_CELL_1_TEMP	7
					BATT_CELL_2_TEMP	8

aep_sensor conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.23 sc aep enalgctl****Packet Target Application Identifier**

aep, 0x0a0, (160)

Description

Enable AEP Software Algorithm Processing

Command Target

none

Format

opcode	subfield(s)
0x02	aep_algorithm

Command size = 24 bits = 3 bytes.

bit 0 7 8 23

Subfield(s)**aep_algorithm:** Enable AEP Software Algorithm Processing

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					SA_DEPLOY_MON	0
					OVERTEMP_EVAL	1
					OVERVOLT_EVAL	2

aep_algorithm conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.24 sc aep ensenctl****Packet Target Application Identifier**

aep, 0x0a0, (160)

Description

Enable Software Sensor Utilization

Command Target

none

Format

opcode	subfield(s)
0x02	aep_sensor
bit 0 7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)**aep_sensor:** Enable Software Sensor Utilization

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					ARRAY_CURRENT	0
					BAT_CELL_1_PRES	1
					BAT_CELL_2_PRES	2
					BATTERY_VOLTAGE	3
					BUS_VOLTAGE	4
					BATTERY_CURRENT	5
					LOAD_CURRENT	6
					BATT_CELL_1_TEMP	7
					BATT_CELL_2_TEMP	8

aep_sensor conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.25 sc aep rstshcrderr

Packet Target Application Identifier

aep, 0x0a0, (160)

Description

Reset reset_shuntcard_id_error id error AEP

Command Target

none

Format

bit	opcode	
	0	7
	0x02	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.26 sc an disgdsecfj2kt

Packet Target Application Identifier

an, 0x01e, (30)

Description

disable goods ecef to J2k parms tlm

Command Target

none

Format

bit	opcode	
	0	7
	0x15	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.27 sc an disgdshktlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

disable goods housekeeping tlm

Command Target

none

Format

bit	opcode	
	0	7
Command size = 8 bits = 1 bytes.		

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.28 sc an disgdssmpost

Packet Target Application Identifier

an, 0x01e, (30)

Description

dis goods sun moon position tlm

Command Target

none

Format

bit	opcode	
	0	7
Command size = 8 bits = 1 bytes.		

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.29 sc an dismagfldtln

Packet Target Application Identifier

an, 0x01e, (30)

Description

disable magfield tlm

Command Target

none

Format

bit	opcode	
	0	7
	0x1b	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.30 sc an disorbittlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

enable goods sun, moon ecef tlm

Command Target

none

Format

bit	opcode	
	0	7
	0x19	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.31 sc an dissmeceftlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

disable goods sun, moon, ecef tlm

Command Target

none

Format

bit	opcode	
	0	7
	0x1d	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.32 sc an distskdiagtlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

Disable AN diagnostic telemetry in 'AN_TaskDiagTlm', SID = 0x0839, APID = 57.

Command Target

none

Format

bit	opcode	
	0	7
	0x25	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.33 sc an engdsecfj2kt

Packet Target Application Identifier

an, 0x01e, (30)

Description

enable goods ecef to J2k parms tlm

Command Target

none

Format

bit	opcode	
	0	7

0x14 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.34 sc an engdshktlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

enable goods housekeeping tlm

Command Target

none

Format

bit	opcode	
	0	7

0x0c Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.35 sc an engdssmpost**Packet Target Application Identifier**

an, 0x01e, (30)

Description

ena goods sun moon position tlm

Command Target

none

Format

bit	opcode	
	0	7

0x16 Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.36 sc an enmagfldtlm****Packet Target Application Identifier**

an, 0x01e, (30)

Description

enable magfield tlm

Command Target

none

Format

bit	opcode	
	0	7

0x1a Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.37 sc an enorbittlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

Enable AN state vector telemetry in 'AN_ACStateVectorTlm', SID = 0x0834, APID =

Discussion

52.

Command Target

none

Format

opcode	
0x18	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.38 sc an ensmeceftlm

Packet Target Application Identifier

an, 0x01e, (30)

Description

enable goods sun, moon, ecef tlm

Command Target

none

Format

opcode	
0x1c	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.39 sc an entskdiagtlm****Packet Target Application Identifier**

an, 0x01e, (30)

Description

Enable AN diagnostic telemetry in 'AN_TaskDiagTlm', SID = 0x0839, APID = 57.

Command Target

none

Format

bit	opcode	
	0	7
	0x24	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.40 sc an gdsinitialize****Packet Target Application Identifier**

an, 0x01e, (30)

Description

goods initialize cmd flag indicating the source of the initial state vector: in

Discussion

itialStateVector 1=use current GPS receiver vector 2=use last uplinked vector flag indicating the source of the initial state Covariance: initialStateCovariance 1=use last uplinked RIC variance 2=use last uplinked XYZ variance

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.41 sc an gdsinittodef****Packet Target Application Identifier**

an, 0x01e, (30)

Description

Initialize GOODS to defaults

Command Target

none

Format

opcode	
0x26	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.42 sc an gdsldorbit****Packet Target Application Identifier**

an, 0x01e, (30)

Description

goods load state vector cmd

Command Target

none

Format

bit	opcode		subfield(s)									
	0x07	timetagtow	xpositioninj2000	ypositioninj2000	zpositioninj2000	xvelocityinj2000	yvelocityinj2000	zvelocityinj2000	xpositioninj2000	ypositioninj2000	zpositioninj2000	xvelocityinj2000
	0	7	8	71	72	135	136	199	200	263	264	327

Command size = 504 bits = 63 bytes.

Subfield(s)

timetagtow: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	sec			default	

timetagtow conversion coefficients:

c0	c1	c2	c3

xpositioninj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	m			default	

xpositioninj2000 conversion coefficients:

c0	c1	c2	c3

ypositioninj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	m			default	

ypositioninj2000 conversion coefficients:

c0	c1	c2	c3

zpositioninj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	m			default	

zpositioninj2000 conversion coefficients:

c0	c1	c2	c3

xvelocityinj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any			default	

xvelocityinj2000 conversion coefficients:

c0	c1	c2	c3

yvelocityinj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any			default	

yvelocityinj2000 conversion coefficients:

c0	c1	c2	c3

zvelocityinj2000: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any			default	

zvelocityinj2000 conversion coefficients:

c0	c1	c2	c3

atmscafactor: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any			default	

atmscafactor conversion coefficients:

c0	c1	c2	c3

timetagweek: goods load state vector cmd

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any			default	

timetagweek conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.43 sc an gdsrefalldtbl

Packet Target Application Identifier

an, 0x01e, (30)

Description

dump all goods tables

Command Target

none

Format

opcode	
0x09	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.44 sc an gdsrefseldtbl****Packet Target Application Identifier**

an, 0x01e, (30)

Description

refresh selected goods dump table

Command Target

none

Format

opcode		subfield(s)	
0x0a		seled_dumptable	
bit	0 7	8	15

Command size = 16 bits = 2 bytes.

Subfield(s)**seled_dumptable:** refresh selected goods dump table

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

seled_dumptable conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.45 sc an gdsrst

Packet Target Application Identifier

an, 0x01e, (30)

Description

goods reset cmd flags indicating whether the state vector needs to be reset: res

Discussion

etStateVector 0=do not reset state vector, 1=reset state vector initialStateVector 1=use GPS receiver vector, 2=use last uplinked vector resetCovariance 0=do not reset state covariance, 1=reset state covariance initialStateCovariance 1=use last uplinked RIC variance, 2=use last uplinked XYZ variance

Command Target

none

Format

bit	opcode	
	0	7
Command size = 8 bits = 1 bytes.		

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.46 sc an gdssetfdiroff

Packet Target Application Identifier

an, 0x01e, (30)

Description

Set Goods FDIR OFF

Command Target

none

Format

bit	opcode	
	0	7
Command size = 8 bits = 1 bytes.		

Subfield(s)

Safety Level

SAFE

Telemetry Verification**B.47 sc an gdssetfdiron****Packet Target Application Identifier**

an, 0x01e, (30)

Description

set Goods FDIR On

Command Target

none

Format

opcode	
0x05	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.48 sc an gdssetmmaxchk****Packet Target Application Identifier**

an, 0x01e, (30)

Description

goods set minmax value checks min minimum value max max

Discussion

imum value id index into Min/Max table

Command Target

none

Format

opcode		subfield(s)			
0x08		min_value	max_value	id	
bit	0 7	8 39	40 71	72 87	

Command size = 88 bits = 11 bytes.

Subfield(s)

min.value: goods set minmax value checks min minimum value max max

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any			default	

min.value conversion coefficients:

c0	c1	c2	c3

min.value discussion:

goods set minmax value checks min minimum value max max

max.value: goods set minmax value checks min minimum value max max

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any			default	

max.value conversion coefficients:

c0	c1	c2	c3

max.value discussion:

goods set minmax value checks min minimum value max max

id: goods set minmax value checks min minimum value max max

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

id conversion coefficients:

c0	c1	c2	c3

id discussion:

goods set minmax value checks min minimum value max max

Safety Level

SAFE

Telemetry Verification

B.49 sc an rsttskalarms

Packet Target Application Identifier

an, 0x01e, (30)

Description

reset task alarms

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.50 sc ape abortlddmp

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The abort load / Dump command terminates any pending load or dump.

Discussion

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.51 sc ape acdisallfdc

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Disable All FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.52 sc ape acdiscssfdc

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Disable Css FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.53 sc ape acdisfdc**Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Disable FDC Command

Command Target

none

Format

opcode		subfield(s)	
0x02		disfdc_command	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**disfdc_command:** APE ACS Disable FDC Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					ALL	2048
					TAMPROC	4096
					MTBPROC	8192
					RWAPROC	16384
					IRUPROC	24576
					CSSPROC	32768

disfdc_command conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.54 sc ape acdisirufdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Disable Iru FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.55 sc ape acdismtbfdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Disable Mtb FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.56 sc ape acdisrwafdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Disable Rwa FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.57 sc ape acdistamfdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Disable Tam FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.58 sc ape acenallfdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Enable All FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.59 sc ape acencssfdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Enable Css FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.60 sc ape acenfdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Enable FDC Command

Command Target

none

Format

opcode		subfield(s)	
0x02		enfdc_command	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**enfdc_command:** APE ACS Enable FDC Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					ALL	2048
					TAMPROC	4096
					MTBPROC	8192
					RWAPROC	16384
					IRUPROC	24576
					CSSPROC	32768

enfdc_command conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.61 sc ape acenirufdc****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Enable Iru FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.62 sc ape acenmtbfdc

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Enable Mtb FDC Command

Command Target

none

Format

bit	opcode	
	0	7

0x02 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.63 sc ape acenrwafdc

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Enable Rwa FDC Command

Command Target

none

Format

bit	opcode	
	0	7

0x02 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.64 sc ape acentamfdc

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Enable Tam FDC Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.65 sc ape acinit

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

APE ACS Init Command

Command Target

none

Format

opcode		subfield(s)	
0x02		nit_command	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)

nit_command: APE ACS Init Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					RSTCOMPVALIDFLAG	1
					ENTERSUNACQ	2
					ACSMODE	4
					SUNACQ	8
					STATISTICS	16
					CONTROLMOMENTUM	32
					VERIFYERROR	64
					CONTROLERROR	128
					CMDATTITUDE	256
					PROPATTITUDE	512
					MTBPROC	1024
					TAMPROC	2048
					RWAPROC	4096
					CSSPROC	8192
					SENSORDATAPROC	16384
					ACTASK	32768

nit_command conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.66 sc ape acinitall****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init All Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.67 sc ape acinitproccss****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init ProcessCss Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.68 sc ape acinitprociru****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init Processiru Command

Command Target

none

Format

opcode	
0x02	
bit	0 7

 Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.69 sc ape acinitprocmtd****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init ProcessMtd Command

Command Target

none

Format

bit	opcode	
	0	7

0x02 Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.70 sc ape acinitprocrwa****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init ProcessRwa Command

Command Target

none

Format

bit	opcode	
	0	7

0x02 Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.71 sc ape acinitproctam****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Init ProcessTam Command

Command Target

none

Format

bit	opcode	
	0x02	7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.72 sc ape acrststats****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

APE ACS Reset Stats Command

Command Target

none

Format

bit	opcode	
	0x02	7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.73 sc ape cntlchksum****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The Control Checksum Command turns the background memory checksum process perfor

Discussion

med by the AUT on and off. The least significant 2 bits of the command argument control this function. If bit 0 (lsb) is set, Operand memory will be checksummed. If bit 1 is set, the AUT will perform checksum verification on Instruction memory. Not that both bits are always set to the value in the command, e.g., a command argument of 2 will turn on Instruction checksumming and turn off Data checksumming.

Command Target

none

Format

opcode		subfield(s)	
0x02		cont_chksum_flg	
bit	0	7	8
			9

Command size = 10 bits = 1.25 bytes.

Subfield(s)

cont_chksum_flg: The Control Checksum Command turns the background memory checksum process perfor

bits	type	eng units	min (dn)	max (dn)	state	value
2	unsigned integer	any			default	

cont_chksum_flg conversion coefficients:

c0	c1	c2	c3

cont_chksum_flg discussion:

The Control Checksum Command turns the background memory checksum process perfor

Safety Level

SAFE

Telemetry Verification

B.74 sc ape dmpmemory

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Dump Memory Command will initiate the process of a memory dump. This can in

Discussion

clude Boot PROM, Instruction RAM, Operand RAM, or EEPROM. The first and second argument words, the starting address, are stored in the variable APE_DL_ADDR. The third and fourth arguments, the dump length, are stored in APE_DL_LEN. The value indicating a Memory Dump (4) is stored in the variable APE_UTIL_ACT. The Ape Utility Task will perform the memory dump. If any load or dump is already active when this command is received, the command will be rejected.

Command Target

none

Format

opcode		subfield(s)				
0x02		dump_memory_sel	dmp_memory_addr	dmpmemorylength		
bit	0 7 8	8 9	39 40	71		

Command size = 72 bits = 9 bytes.

Subfield(s)

dump_memory_sel: The Dump Memory Command will initiate the process of a memory dump. This can in

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

dump_memory_sel conversion coefficients:

c0	c1	c2	c3

dump_memory_sel discussion:

The Dump Memory Command will initiate the process of a memory dump. This can in

dmp_memory_addr: The Dump Memory Command will initiate the process of a memory dump. This can in

bits	type	eng units	min (dn)	max (dn)	state	value
31	unsigned integer	any			default	

dmp_memory_addr conversion coefficients:

c0	c1	c2	c3

dmp_memory_addr discussion:

The Dump Memory Command will initiate the process of a memory dump. This can in

dmpmemorylength: The Dump Memory Command will initiate the process of a memory dump. This can in

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

dmpmemorylength conversion coefficients:

c0	c1	c2	c3

dmpmemorylength discussion:

The Dump Memory Command will initiate the process of a memory dump. This can in

Safety Level

SAFE

Telemetry Verification**B.75 sc ape dtbl****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The Dump Table Command will initiate the process of a table dump. The argument

Discussion

word is stored in the variable APE_TABLE_NUM, Transmit Subaddress 2 is marked as legal, and the value indicating a Table Dump (3) is stored in the variable APE_UTIL_ACT. The actual load data is then sent to Subaddress 2 and the Ape Utility Task will perform the table dump. If any load or dump is already active when this command is received, the command will be rejected.

Command Target

none

Format

opcode	subfield(s)
0x02	dump_tbl_number
bit 0 7 8 23	Command size = 24 bits = 3 bytes.

Subfield(s)

dump_tbl_number: The Dump Table Command will initiate the process of a table dump. The argument

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

dump_tbl_number conversion coefficients:

c0	c1	c2	c3

dump_tbl_number discussion:

The Dump Table Command will initiate the process of a table dump. The argument

Safety Level

SAFE

Telemetry Verification

B.76 sc ape entersafehold

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Enter Safehold Command sets the safehold state variable, APE_SAFEHOLD to FFF

Discussion

F16. It also disables commands to the basic card from the 1553 Bus, turns off the CMD FIFO flush, and enables commanding from the OIP.

Command Target

none

Format

	opcode	
	0x02	Command size = 8 bits = 1 bytes.
bit	0	7

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.77 sc ape exitsafehold

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Exit Safehold Command sets the safehold state variable, APE_SAFEHOLD to 0.

Discussion

It also disables commands to the basic card from the 1553 Bus, turns off the CMD FIFO flush, and enables command-
ing from the OIP.

Command Target

none

Format

opcode	
0x02	
bit	0 7

 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.78 sc ape getchksum

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Get Checksum calculates the checksum of the specified area of Instruction or

Discussion

Operand space The results is put into word 2 of the Summit Miscellaneous status (illegalization registers)

Command Target

none

Format

opcode		subfield(s)			
0x02		get_chksum_sel	get_chksum_start	get_checksum_end	
bit	0 7	8 8	9 39	40 71	Command size = 72 bits = 9 bytes.

Subfield(s)

get_chksum_sel: The Get Checksum calculates the checksum of the specified area of Instruction or

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

get_chksum_sel conversion coefficients:

c0	c1	c2	c3

get_chksum_sel discussion:

The Get Checksum calculates the checksum of the specified area of Instruction or

get_chksum_start: The Get Checksum calculates the checksum of the specified area of Instruction or

bits	type	eng units	min (dn)	max (dn)	state	value
31	unsigned integer	any			default	

get_chksum_start conversion coefficients:

c0	c1	c2	c3

get_chksum_start discussion:

The Get Checksum calculates the checksum of the specified area of Instruction or

get_checksum_end: The Get Checksum calculates the checksum of the specified area of Instruction or

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

get_checksum_end conversion coefficients:

c0	c1	c2	c3

get_checksum_end discussion:

The Get Checksum calculates the checksum of the specified area of Instruction or

Safety Level

SAFE

Telemetry Verification

B.79 sc ape inittsk

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Initialize Task Command causes the Initialize by Command bit in the Applicat

Discussion

ion Task flag word to be set for the specified task(s). This bit will be set once, and only once, the next time the task is called. The argument parameter for this command is a word indicating which task(s) should be resumed. Only the least significant 5 bits of this word are examined.

Command Target

none

Format

opcode		subfield(s)					
0x02		inittaskacsbit	inittaskshmbit	inittasksepsbit	inittasktcebit	inittaskautbit	
bit	0	7	8	9	10	11	12
		8	9	10	11	12	12

13 bits = 1.625 bytes.

Command size =

Subfield(s)

inittaskacsbit: The Initialize Task Command causes the Initialize by Command bit in the Applicat

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

inittaskacsbit conversion coefficients:

c0	c1	c2	c3

inittaskacsbit discussion:

The Initialize Task Command causes the Initialize by Command bit in the Applicat

inittaskshmbit: The Initialize Task Command causes the Initialize by Command bit in the Applicat

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

inittaskshmbit conversion coefficients:

c0	c1	c2	c3

inittaskshmbit discussion:

The Initialize Task Command causes the Initialize by Command bit in the Applicat

inittaskepsbit: The Initialize Task Command causes the Initialize by Command bit in the Applicat

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

inittaskepsbit conversion coefficients:

c0	c1	c2	c3

inittaskepsbit discussion:

The Initialize Task Command causes the Initialize by Command bit in the Applicat

inittasktcebit: The Initialize Task Command causes the Initialize by Command bit in the Applicat

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

inittasktcebit conversion coefficients:

c0	c1	c2	c3

inittasktcebit discussion:

The Initialize Task Command causes the Initialize by Command bit in the Applicat

inittaskautbit: The Initialize Task Command causes the Initialize by Command bit in the Applicat

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

inittaskautbit conversion coefficients:

c0	c1	c2	c3

inittaskautbit discussion:

The Initialize Task Command causes the Initialize by Command bit in the Applicat

Safety Level

SAFE

Telemetry Verification

B.80 sc ape invalidcmdtst

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

This command checks on invalid field code and is to be used for test purposes on

Discussion

ly.

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.81 sc ape ldmem_dword

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

Loadgen issues a series of these commands following the ape_sc_ldmemorydata comm

Command Target

none

Format

opcode		subfield(s)	
0x18a00000		data	
bit	0 7	8	39

Command size = 40 bits = 5 bytes.

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	32	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.82 sc ape ldmem_word****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

Loadgen issues a series of these commands following the ape sc_ldmemorydata comm

Command Target

none

Format

opcode	subfield(s)
0x18a0	data
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.83 sc ape ldmemory****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The Load Memory command initiates the process of loading APE OIP memory. The load

Discussion

data messages are received on Subaddress3.

Command Target

none

Format

opcode		subfield(s)				
0x02		load_memory_sel	ld_memory_addr	ld_memory_length		
bit	0 7	8	9	39	40	71

Command size = 72 bits = 9 bytes.

Subfield(s)

load_memory_sel: The Load Memory command initiates the process of loading APE OIP memory. The load

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

load_memory_sel conversion coefficients:

c0	c1	c2	c3

load_memory_sel discussion:

The Load Memory command initiates the process of loading APE OIP memory. The load

ld_memory_addr: The Load Memory command initiates the process of loading APE OIP memory. The load

bits	type	eng units	min (dn)	max (dn)	state	value
31	unsigned integer	any			default	

ld_memory_addr conversion coefficients:

c0	c1	c2	c3

ld_memory_addr discussion:

The Load Memory command initiates the process of loading APE OIP memory. The load

ld_memory_length: The Load Memory command initiates the process of loading APE OIP memory. The load

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

ld_memory_length conversion coefficients:

c0	c1	c2	c3

ld_memory_length discussion:

The Load Memory command initiates the process of loading APE OIP memory. The load

Safety Level

SAFE

Telemetry Verification**B.84 sc ape ldmemorydata****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

This command contains the data for APE memory image loads. The ape:load_memor

Discussion

y must be sent prior to this command.

Command Target

none

Format

opcode		subfield(s)	
0x04		start_address	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)

start_address:		bits	type	eng units	min (dn)	max (dn)	state	value
		32	unsigned integer				default	

start_address conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.85 sc ape ldtbl

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Load Table Command will initiate the process of a table load. The argument

Discussion

word is stored in the variable APE.TABLE.NUM, Transmit Subaddress 2 is marked as legal, and the value indicating a Table Load (1) is stored in the variable APE.UTIL.ACT. The actual load data is then sent to Subaddress 2 and the Ape Utility Task will perform the table load. If any load or dump is already active when this command is received, the command will be rejected.

Command Target

none

Format

opcode		subfield(s)	
0x02		load_tbl_number	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

load_tbl_number: The Load Table Command will initiate the process of a table load. The argument

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_tbl_number conversion coefficients:

c0	c1	c2	c3

load_tbl_number discussion:

The Load Table Command will initiate the process of a table load. The argument

Safety Level

SAFE

Telemetry Verification

B.86 sc ape ldtbldata

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Load Table Data Command contains the 32 data words for APE table load. This

Discussion

command should be sent after the ape:load_table command.

Command Target

none

Format

opcode		subfield(s)									
0x05		data0	data1	data2	data3	data4	data5	data6	data7	data8	d
bit	0 7	8 39	40 71	72 103	104 135	136 167	168 199	200 231	232 263	264 295	296

Command size = 520 bits = 65 bytes.

Subfield(s)

data0: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data0 conversion coefficients:

c0	c1	c2	c3

data0 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data1: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data1 conversion coefficients:

c0	c1	c2	c3

data1 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data2: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data2 conversion coefficients:

c0	c1	c2	c3

data2 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data3: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data3 conversion coefficients:

c0	c1	c2	c3

data3 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data4: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data4 conversion coefficients:

c0	c1	c2	c3

data4 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data5: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data5 conversion coefficients:

c0	c1	c2	c3

data5 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data6: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data6 conversion coefficients:

c0	c1	c2	c3

data6 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data7: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data7 conversion coefficients:

c0	c1	c2	c3

data7 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data8: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data8 conversion coefficients:

c0	c1	c2	c3

data8 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data9: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data9 conversion coefficients:

c0	c1	c2	c3

data9 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data10: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data10 conversion coefficients:

c0	c1	c2	c3

data10 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data11: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data11 conversion coefficients:

c0	c1	c2	c3

data11 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data12: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data12 conversion coefficients:

c0	c1	c2	c3

data12 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data13: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data13 conversion coefficients:

c0	c1	c2	c3

data13 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data14: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data14 conversion coefficients:

c0	c1	c2	c3

data14 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

data15: The Load Table Data Command contains the 32 data words for APE table load. This

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

data15 conversion coefficients:

c0	c1	c2	c3

data15 discussion:

The Load Table Data Command contains the 32 data words for APE table load. This

Safety Level

SAFE

Telemetry Verification**B.87 sc ape modcodechksum****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The Modify Instruction Checksum Command provides the capability to change the ad

Discussion

dress range over which Instruction checksumming is performed. The expected value for the checksum over that range can also be changed. Instruction memory checksumming must be disabled when this command is received. If not, the command will be rejected.

Command Target

none

Format

opcode		subfield(s)			
0x02		modcodecsunstart	modcodecsunend		
bit	0 7 8	39	40	71	

Command size = 72 bits = 9 bytes.

Subfield(s)

modcodecsunstart: The Modify Instruction Checksum Command provides the capability to change the ad

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

modcodecsunstart conversion coefficients:

c0	c1	c2	c3

modcodecsunstart discussion:

The Modify Instruction Checksum Command provides the capability to change the ad

modcodecsunend: The Modify Instruction Checksum Command provides the capability to change the ad

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

modcodecsunend conversion coefficients:

c0	c1	c2	c3

modcodecsunend discussion:

The Modify Instruction Checksum Command provides the capability to change the ad

Safety Level

SAFE

Telemetry Verification

B.88 sc ape moddatachksum

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Modify Operand Checksum Command provides the capability to change the address

Discussion

s range over which Operand checksumming is performed. The expected value for the checksum over that range can also be changed. Operand memory checksumming must be disabled when this command is received. If not, the command will be rejected.

Command Target

none

Format

opcode		subfield(s)					
0x02		moddatacsumstart	moddatacsumend	moddatacsumval			
bit	0 7 8	39 40	71 72	87			

Command size = 88 bits = 11 bytes.

Subfield(s)

moddatacsumstart: The Modify Operand Checksum Command provides the capability to change the address

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

moddatacsumstart conversion coefficients:

c0	c1	c2	c3

moddatacsumstart discussion:

The Modify Operand Checksum Command provides the capability to change the address

moddatacsumend: The Modify Operand Checksum Command provides the capability to change the address

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

moddatacsumend conversion coefficients:

c0	c1	c2	c3

moddatacsumend discussion:

The Modify Operand Checksum Command provides the capability to change the address

moddatacsumval: The Modify Operand Checksum Command provides the capability to change the address

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

moddatacsumval conversion coefficients:

c0	c1	c2	c3

moddatacsumval discussion:

The Modify Operand Checksum Command provides the capability to change the address

Safety Level

SAFE

Telemetry Verification

B.89 sc ape modmemory

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Modify Memory command will write a single 16-bit value into any location in

Discussion

the APE OIP memory (provided it is possible to write). The most significant bit of the address indicates whether to modify Instruction or Operand memory. If the bit is 1, the write will be performed into Instruction Memory, if 0, Operand memory. This is an APE-hazardous command, it must be preceeded by an Enable-Haz.Command.

Command Target

none

Format

bit	opcode		subfield(s)			
	0x02		mod_mem_addr	mod_mem_data		
	0	7	8	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)

mod_mem_addr: The Modify Memory command will write a single 16-bit value into any location in

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

mod_mem_addr conversion coefficients:

c0	c1	c2	c3

mod_mem_addr discussion:

The Modify Memory command will write a single 16-bit value into any location in

mod_mem_data: The Modify Memory command will write a single 16-bit value into any location in

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

mod_mem_data conversion coefficients:

c0	c1	c2	c3

mod_mem_data discussion:

The Modify Memory command will write a single 16-bit value into any location in

Safety Level

SAFE

Telemetry Verification**B.90 sc ape noop****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The No-Op Command performs no action, other than to increment the Accepted Comma

Discussion

nds Counter.

Command Target

none

Format

	opcode	
	0x02	Command size = 8 bits = 1 bytes.
bit	0	7

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.91 sc ape readiospace****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

This command will read FPGA and SuMMIT registers and place them in the 5th word

Discussion

of the 'last bad ape command' array in the subaddress 1 telemetry.

Command Target

none

Format

opcode		subfield(s)	
0x02		readiospaceaddr	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

readiospaceaddr: This command will read FPGA and SuMMIT registers and place them in the 5th word

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

readiospaceaddr conversion coefficients:

c0	c1	c2	c3

readiospaceaddr discussion:

This command will read FPGA and SuMMIT registers and place them in the 5th word

Safety Level

SAFE

Telemetry Verification

B.92 sc ape reldringbuf

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Reload Ring Buffer Command initiates a Ring Buffer Reload. It sets the Ring

Discussion

Buffer Reload state variable APE_UTIL_ACT. RB_LOAD_STATE to a 1, and the value indicating a Ring Buffer Reload (5) is stored in the variable APE_UTIL_ACT. The Ape Utility Task, in conjunction with the Frame Sync ISR performs the Ring Buffer Reload. The Ring Buffer is reloaded from the array RING_DATA_TBL. This table would be modified via Memory Load commands before the Reload Ring Buffer Command. If any load or dump is already active when this command is received, the command will be rejected.

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.93 sc ape resumetsk

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

The Resume Task Command causes the Suspend bit in the Application Task flag word

Discussion

to be cleared for the specified task(s). The argument parameter for this command is a word indicating which task(s) should be resumed. Only the least significant 5 bits of this word are examined.

Command Target

none

Format

opcode		subfield(s)										
0x02		resumetaskacsbit	resumetaskshmbit	resumetaskepsbit	resumetasktcebit	resumetaskautbit						
bit	0 7 8	8 9	9 10	10 11	11 12	12						

Command size = 13 bits = 1.625 bytes.

Subfield(s)

resumetaskacsbit: The Resume Task Command causes the Suspend bit in the Application Task flag word

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

resumetaskacsbit conversion coefficients:

c0	c1	c2	c3

resumetaskacsbit discussion:

The Resume Task Command causes the Suspend bit in the Application Task flag word

resumetaskshmbit: The Resume Task Command causes the Suspend bit in the Application Task flag word

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

resumetaskshmbit conversion coefficients:

c0	c1	c2	c3

resumetaskshmbit discussion:

The Resume Task Command causes the Suspend bit in the Application Task flag word

resumetaskepsbit: The Resume Task Command causes the Suspend bit in the Application Task flag word

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

resumetaskepsbit conversion coefficients:

c0	c1	c2	c3

resumetaskepsbit discussion:

The Resume Task Command causes the Suspend bit in the Application Task flag word

resumetasktcebit: The Resume Task Command causes the Suspend bit in the Application Task flag word

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

resumetasktcebit conversion coefficients:

c0	c1	c2	c3

resumetasktcebit discussion:

The Resume Task Command causes the Suspend bit in the Application Task flag word

resumetaskautbit: The Resume Task Command causes the Suspend bit in the Application Task flag word

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

resumetaskautbit conversion coefficients:

c0	c1	c2	c3

resumetaskautbit discussion:

The Resume Task Command causes the Suspend bit in the Application Task flag word

Safety Level

SAFE

Telemetry Verification**B.94 sc ape stdwell****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

This command initiates dwell processing on a memory location, either in Instruct

Discussion

ion ro Operand Memory.

Command Target

none

Format

opcode		subfield(s)			
0x02		start_dwell_type	start_dwell_addr		
bit	0	7	8	9	39

Command size = 40 bits = 5 bytes.

Subfield(s)

start_dwell_type: This command initiates dwell processing on a memory location, either in Instruct

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					OPER	0
					INST	1

start_dwell_type conversion coefficients:

c0	c1	c2	c3

start_dwell_type discussion:

This command initiates dwell processing on a memory location, either in Instruct

start_dwell_addr: This command initiates dwell processing on a memory location, either in Instruct

bits	type	eng units	min (dn)	max (dn)	state	value
31	unsigned integer	any			default	

start_dwell_addr conversion coefficients:

c0	c1	c2	c3

start_dwell_addr discussion:

This command initiates dwell processing on a memory location, either in Instruct

Safety Level

SAFE

Telemetry Verification

B.95 sc ape stopdwell

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

This command terminates dwell processing on a memory location

Command Target

none

Format

opcode		subfield(s)	
0x02		stop_dwell_type	
bit	0 7 8 23	Command size = 24 bits = 3 bytes.	

Subfield(s)

stop_dwell_type: This command terminates dwell processing on a memory location

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	0
					OPER	0
					INST	1

stop_dwell_type conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.96 sc ape suspendtsk****Packet Target Application Identifier**

ape, 0x0a0, (160)

Description

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

Discussion

d to be set for the specified task(s). The argument parameter for this command is a word indicating which task(s) should be suspended. Only the least significant 5 bits of this word are examined.

Command Target

none

Format

opcode		subfield(s)					
0x02		sus_task_acs.bit	sus_task_shm.bit	sus_task_eps.bit	uspendtasktcebit	sus_task_aut.bit	Com-
bit	0 7 8 8 9 9 10 10 11 11 12 12						

mand size = 13 bits = 1.625 bytes.

Subfield(s)

sus_task_acs.bit: The Suspend Task Command causes the Suspend bit in the Application Task flag wor

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

sus_task_acs.bit conversion coefficients:

c0	c1	c2	c3

sus_task_acs.bit discussion:

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

sus_task_shm.bit: The Suspend Task Command causes the Suspend bit in the Application Task flag wor

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

sus_task_shm.bit conversion coefficients:

c0	c1	c2	c3

sus_task_shm.bit discussion:

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

sus_task_eps.bit: The Suspend Task Command causes the Suspend bit in the Application Task flag wor

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

sus_task_eps.bit conversion coefficients:

c0	c1	c2	c3

sus_task_eps.bit discussion:

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

uspendtasktcebit: The Suspend Task Command causes the Suspend bit in the Application Task flag wor

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

uspendtasktcebit conversion coefficients:

c0	c1	c2	c3

uspendtasktcebit discussion:

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

sus_task_aut_bit: The Suspend Task Command causes the Suspend bit in the Application Task flag wor

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	0

sus_task_aut_bit conversion coefficients:

c0	c1	c2	c3

sus_task_aut_bit discussion:

The Suspend Task Command causes the Suspend bit in the Application Task flag wor

Safety Level

HAZARDOUS

Telemetry Verification

B.97 sc ape wrteiospace

Packet Target Application Identifier

ape, 0x0a0, (160)

Description

This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

Discussion

s: address, mask, and value. The register at the address will be modified by changing the bits corresponding to 1 bits in the mask to the settings in the value.

Command Target

none

Format

bit	opcode		subfield(s)				
	0	7	8	23	24	39	
	0x02		wteiospaceaddr	wteiospacemask		wte_io_space_val	Command size = 56 bits = 7 bytes.

Subfield(s)

wteiospaceaddr: This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

wteiospaceaddr conversion coefficients:

c0	c1	c2	c3

wteiospaceaddr discussion:

This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

wteiospacemask: This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

wteiospacemask conversion coefficients:

c0	c1	c2	c3

wteiospacemask discussion:

This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

wte_io_space_val: This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

wte_io_space_val conversion coefficients:

c0	c1	c2	c3

wte_io_space_val discussion:

This command will modify FPGA and SuMMIT registers. There are 3 16-bit parameter

Safety Level

HAZARDOUS

Telemetry Verification**B.98 sc cs disall****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will disable checksum checking on all types of memory.

Discussion**Command Target**

none

Format

opcode	
0x03	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.99 sc cs discode****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will disable checksum checking on SRAM code sections.

Discussion**Command Target**

none

Format

opcode	
0x05	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.100 sc cs diseep****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will disable checksum checking on EEPROM.

Command Target

none

Format

bit	opcode	
	0	7
	0x09	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.101 sc cs disstatic****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will disable checksum checking on static data sections.

Discussion**Command Target**

none

Format

bit	opcode	
	0	7
	0x07	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.102 sc cs enall**Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will enable checksum checking on all types of memory.

Discussion**Command Target**

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.103 sc cs encode****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will enable checksum checking on SRAM code sections.

Discussion**Command Target**

none

Format

opcode	
0x04	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.104 sc cs eneep

Packet Target Application Identifier

cs, 0x028, (40)

Description

This command will enable checksum checking on EEPROM.

Command Target

none

Format

bit	opcode	
	0	7

0x08 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.105 sc cs enstatic

Packet Target Application Identifier

cs, 0x028, (40)

Description

This command will enable checksum checking on static data sections.

Discussion

Command Target

none

Format

bit	opcode	
	0	7

0x06 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification**B.106 sc cs recallcode****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will cause CS to recompute the checksums for all SRAM code sections

Discussion

.

Command Target

none

Format

opcode	
0x0a	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.107 sc cs recalleep****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will cause CS to recompute the checksums for all EEPROM data section

Discussion

ns.

Command Target

none

Format

opcode	
0x0c	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.108 sc cs recallstatic****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will cause CS to recompute the checksums for all static data section

Discussion

ns.

Command Target

none

Format

opcode	
0x0b	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.109 sc cs receepsect****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will cause CS to recompute the checksums for the specified EEPROM s

Discussion

ections. The Table Id is the CS Master Tabel entry number.

Command Target

none

Format

	opcode	subfield(s)	
	0x0f	tbl_num	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)

tbl_num: This command will cause CS to recompute the checksums for the specified EEPROM s

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

tbl_num conversion coefficients:

c0	c1	c2	c3

tbl_num discussion:

This command will cause CS to recompute the checksums for the specified EEPROM s

Safety Level

SAFE

Telemetry Verification**B.110 sc cs recstaticsect****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will cause CS to recompute the checksums for the specified static d

Discussion

ata sections. The Table Id is System or SCP table number.

Command Target

none

Format

opcode		subfield(s)	
0x0e		tbl_num	tbl_type
bit	0	7	8 23 24 39

Command size = 40 bits = 5 bytes.

Subfield(s)

tbl_num: This command will cause CS to recompute the checksums for the specified static d

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

tbl_num conversion coefficients:

c0	c1	c2	c3

tbl_num discussion:

This command will cause CS to recompute the checksums for the specified static d

tbl_type: This command will cause CS to recompute the checksums for the specified static d

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

tbl_type conversion coefficients:

c0	c1	c2	c3

tbl_type discussion:

This command will cause CS to recompute the checksums for the specified static d

Safety Level

SAFE

Telemetry Verification**B.111 sc cs rst****Packet Target Application Identifier**

cs, 0x028, (40)

Description

This command will reset the telemetry counters in the CS packet

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.112 sc di enmsg****Packet Target Application Identifier**

di, 0x02d, (45)

Description

Enables the AC MU pointing command

Command Target

none

Format

opcode		subfield(s)	
0x07		di_ena_msg	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)**di_ena_msg:** Enables the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

di_ena_msg conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.113 sc di rsttelemetry

Packet Target Application Identifier

di, 0x02d, (45)

Description

Reset the current state of DI telemetry.

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.114 sc di runtst

Packet Target Application Identifier

di, 0x02d, (45)

Description

Test DRAM of OBC, telemetry via 'di_Tlm_Pkt', SID - 0x0865, APID = 101.

Command Target

none

Format

opcode		subfield(s)	
0x00		map_mode	test_number
bit	0 7	8 23	24 39

Command size = 40 bits = 5 bytes.

Subfield(s)

map_mode: Indicates which mapping mode the memory board is to be tested in.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					PAGE_2	0
					PAGE_1	1
					HERITAGE	2
					OVERLAY	3

map_mode conversion coefficients:

c0	c1	c2	c3

test_number: Indicates which test is to be performed.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					REGISTER	0
					ALL	1
					BANK_1	2
					BANK_2	3
					BANK_3	4
					BANK_4	5
					BANK_5	6
					BANK_6	7
					BANK_7	8
					BANK_8	9
					BANK_9	10
					BANK_10	11
					BANK_11	12
					BANK_12	13
					BANK_13	14
					BANK_14	15
					BANK_15	16
					BANK_16	17
					BLAST_RAM	18
					TMR	19
					MODE1	20

test_number conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.115 sc di simmumsg****Packet Target Application Identifier**

di, 0x02d, (45)

Description

Simulates the AC MU pointing command

Command Target

none

Format

opcode		subfield(s)												
0x06		observid	offtarget	acsmode	ramangle	sunpresence	slewstatus	Command size = 72 bits						
bit	0	7	8	23	24	31	32	39	40	55	56	63	64	71

= 9 bytes.

Subfield(s)**observid:** Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

observid conversion coefficients:

c0	c1	c2	c3

offtarget: Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

offtarget conversion coefficients:

c0	c1	c2	c3

acsmode: Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

acsmode conversion coefficients:

c0	c1	c2	c3

ramangle: Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any			default	

ramangle conversion coefficients:

c0	c1	c2	c3

sunpresence: Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

sunpresence conversion coefficients:

c0	c1	c2	c3

slewstatus: Simulates the AC MU pointing command

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

slewstatus conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.116 sc dl readhss2lpbak****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

Read Loopback Register content

Command Target

none

Format

opcode	subfield(s)
0x01	response_sid

Command size = 24 bits = 3 bytes.

bit 0 7 8 23

Subfield(s)

response_sid: Read Loopback Register contents

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.117 sc dl routingsel

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This command selects routing

Command Target

none

Format

opcode		subfield(s)						Command				
0x01		response_sid	dl_rte_dtype0_en	dl_rte_dtype1_en	dl_rte_dtype2_en	dl_rte_dtype3_en						
bit	0	7	8	23	24	24	25	25	26	26	27	27

size = 28 bits = 3.5 bytes.

Subfield(s)

response_sid: This command selects routing

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

dl_rte_dtype0_en: This command selects routing

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

dl_rte_dtype0_en conversion coefficients:

c0	c1	c2	c3

dl_rte_dtype1_en: This command selects routing

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

dl_rte_dtype1_en conversion coefficients:

c0	c1	c2	c3

dl_rte_dtype2_en: This command selects routing

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

dl_rte_dtype2_en conversion coefficients:

c0	c1	c2	c3

dl_rte_dtype3_en: This command selects routing

bits	type	eng units	min (dn)	max (dn)	state	value
1	unsigned integer	any			default	

dl_rte_dtype3_en conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.118 sc dl rsthss2errf****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This cmd resets the error flags on the HSS2 and SCSA interfaces when ...

Discussion

...sent from either the HSS2 or SCSA masters.

Command Target

none

Format

opcode	subfield(s)
0x01	response_sid
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

response_sid: This command resets the error flags on the HSS2 and SCSA interfaces when sent fr

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command resets the error flags on the HSS2 and SCSA interfaces when sent fr

Safety Level

SAFE

Telemetry Verification**B.119 sc dl rstoptmoderrf****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This command resets the error flags and self-test flags ...

Discussion

...in the Output_Module_Config_Status.

Command Target

none

Format

opcode		subfield(s)	
0x01		response_sid	
bit	0	7	8
			23

Command size = 24 bits = 3 bytes.

Subfield(s)

response_sid: This command resets the error flags and self-test flags in the Output_Module_Con

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command resets the error flags and self-test flags in the Output_Module_Con

Safety Level

SAFE

Telemetry Verification

B.120 sc dl rstrtrmoderrf

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This command resets the error flags in the router module status.

Command Target

none

Format

bit	opcode	
	0	7
	0x01	

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.121 sc dl setceoff

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This command is used to set Convolutional Encoding off...

Discussion

... and selections.

Constraints

Command Target

Format

bit	opcode		subfield(s)							
	0	7	8	23	24	24	25	25	26	26
	0x01		response_sid		ccsds_randomize		lr_a_drivers		lr_b_drivers	

Command size = 27 bits = 3.375 bytes.

Subfield(s)

response_sid: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

ccsds_randomize: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

ccsds_randomize conversion coefficients:

c0	c1	c2	c3

ccsds_randomize discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_a_drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_a_drivers conversion coefficients:

c0	c1	c2	c3

lr_a_drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_b_drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_b.drivers conversion coefficients:

c0	c1	c2	c3

lr_b.drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

Safety Level

SAFE

Telemetry Verification**B.122 sc dl setceon****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This command is used to set Convolutional Encoding on...

Discussion

... and selections.

Constraints**Command Target****Format**

opcode		subfield(s)			
0x01		response_sid	ccsds_randomize	lr_a_drivers	lr_b_drivers
bit	0 7	8 23	24 24	25 25	26 26

bytes.

Command size = 27 bits = 3.375

Subfield(s)

response_sid: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

ccsds_randomize: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

ccsds_randomize conversion coefficients:

c0	c1	c2	c3

ccsds_randomize discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_a_drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_a_drivers conversion coefficients:

c0	c1	c2	c3

lr_a_drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_b_drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_b_drivers conversion coefficients:

c0	c1	c2	c3

lr_b_drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

Safety Level

SAFE

Telemetry Verification**B.123 sc dl setlrrate20m****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This command sets to downlink rate to 2.0 Mbps.

Discussion

This cmd is a special case of "Set_LR_Bit_Rate".

Command Target

none

Format

opcode		subfield(s)	
0x01		response_sid	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**response_sid:** This command sets to downlink rate to 2.0 Mbps.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

response_sid (bit rate divisor) = 1 when setting to 2.0Mbps.

Safety Level

SAFE

Telemetry Verification

B.124 sc dl setoptmodcfg

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This cmd is used to set the CCSDS randomization enable, ...

Discussion

..., the LR/HR enables and selections.

Command Target

none

Format

opcode		subfield(s)						Command size =				
0x01		response_sid	ccsds_randomize	lr_a_drivers	lr_b_drivers	conv_encoding						
bit	0	7	8	23	24	24	25	25	26	26	27	27

28 bits = 3.5 bytes.

Subfield(s)

response_sid: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

ccsds_randomize: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

ccsds_randomize conversion coefficients:

c0	c1	c2	c3

ccsds_randomize discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_a.drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_a.drivers conversion coefficients:

c0	c1	c2	c3

lr_a.drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

lr_b.drivers: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

lr_b.drivers conversion coefficients:

c0	c1	c2	c3

lr_b.drivers discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

conv_encoding: This command is used to set the CCSDS randomization enable and the LR/HR enables

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					ON	0
					OFF	1

conv_encoding conversion coefficients:

c0	c1	c2	c3

conv_encoding discussion:

This command is used to set the CCSDS randomization enable and the LR/HR enables

Safety Level

HAZARDOUS

Telemetry Verification

B.125 sc dl setrndmbytype

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This cmd allows the altering of the FCC Randomization by type.

Discussion

Any parameter which is not entered will be set to the default value.

Command Target

none

Format

opcode		subfield(s)													
bit		mode	fcc_rand_type7	fcc_rand_type6	fcc_rand_type5	fcc_rand_type4	fcc_rand_type3	fcc_rand_type2							
0	7	8	10	11	11	12	12	13	13	14	14	15	15	16	16

Command size = 19 bits = 2.375 bytes.

Subfield(s)

mode: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
3	unsigned integer	any			default	

mode conversion coefficients:

c0	c1	c2	c3

mode discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type7: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type7 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type7 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type6: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type6 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type6 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type5: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type5 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type5 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type4: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type4 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type4 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type3: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type3 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type3 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type2: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	1
					OFF	0
					ON	1

fcc_rand_type2 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type2 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type1: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					OFF	0
					ON	1

fcc_rand_type1 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type1 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

fcc_rand_type0: This command allows the altering of the FCC Randomization by type. Any parameter

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					OFF	0
					ON	1

fcc_rand_type0 conversion coefficients:

c0	c1	c2	c3

fcc_rand_type0 discussion:

This command allows the altering of the FCC Randomization by type. Any parameter

Safety Level

HAZARDOUS

Telemetry Verification

B.126 sc dl setrndmdeflt

Packet Target Application Identifier

dl, 0x05b, (91)

Description

This command sets the FCC_Randomizer_by_type back to the defaults only.

Command Target

none

Format

opcode	subfield(s)
0x01	mode

Command size = 11 bits = 1.375 bytes.

bit 0 7 8 10

Subfield(s)

mode: This command sets the FCC_Randomizer_by_type back to the defaults only.

bits	type	eng units	min (dn)	max (dn)	state	value
3	unsigned integer	any			default	

mode conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.127 sc dl setrtrmodcfg****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This cmd is used to program the Router Moudle configuration register to ...

Discussion

...inhibit/uninhibit input requests from HSS2 or SCSA. Default selections are all input requests uninhibited.

Command Target

none

Format

opcode		subfield(s)			
0x01		response_sid	inhibit_hss2	inhibit_scsa	
bit	0 7	8 23	24 24	25 25	

Command size = 26 bits = 3.25 bytes.

Subfield(s)

response_sid: This command is used to program the Router Moudle configuration register to inhi

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command is used to program the Router Moudle configuration register to inhi

inhibit_hss2: This command is used to program the Router Moudle configuration register to inhi

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					NO	0
					YES	1

inhibit_hss2 conversion coefficients:

c0	c1	c2	c3

inhibit_hss2 discussion:

This command is used to program the Router Moudle configuration register to inhi

inhibit_scsa: This command is used to program the Router Moudle configuration register to inhi

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	0
					NO	0
					YES	1

inhibit_scsa conversion coefficients:

c0	c1	c2	c3

inhibit_scsa discussion:

This command is used to program the Router Moudle configuration register to inhi

Safety Level

HAZARDOUS

Telemetry Verification**B.128 sc dl settxrate4k****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

This cmd sets to downlink rate to 4Kbps (TDRS Rate).

Discussion

This command is a special case of "Set_LR.Bit_Rate" .

Command Target

none

Format

opcode	subfield(s)
0x01	response_sid
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

response_sid: This command sets to downlink rate to 4Kbps (TDRS Rate). This command is a speci

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

This command sets to downlink rate to 4Kbps (TDRS Rate). This command is a speci

Safety Level

SAFE

Telemetry Verification**B.129 sc dl wrtehss2lpbak****Packet Target Application Identifier**

dl, 0x05b, (91)

Description

Together with the Read_HSS2_Loopback, this cmd ...

Discussion

...can be used to ping the downlink card.

Command Target

none

Format

bit	opcode		subfield(s)			
	0	7	8	23	24	39
	0x01		response_sid	data1		

Command size = 40 bits = 5 bytes.

Subfield(s)

response_sid: Together with the "Read_HSS2_Loopback," this command can be used to ping the dow

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

response_sid conversion coefficients:

c0	c1	c2	c3

response_sid discussion:

Together with the "Read_HSS2_Loopback," this command can be used to ping the dow

data1: Together with the "Read_HSS2_Loopback," this command can be used to ping the dow

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

data1 conversion coefficients:

c0	c1	c2	c3

data1 discussion:

Together with the "Read_HSS2_Loopback," this command can be used to ping the dow

Safety Level

SAFE

Telemetry Verification**B.130 sc ds abortdmp****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Abort Dump Command

Command Target

none

Format

opcode	
0x0f	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.131 sc ds abortpbk****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Abort Playback Command

Command Target

none

Format

opcode		subfield(s)		
0x06		vr_bit_mask	playback_type	
bit	0	7	8	23 24 39

Command size = 40 bits = 5 bytes.

Subfield(s)**vr_bit_mask:** DS Abort Playback Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

playback_type: DS Abort Playback Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					PLAYBACK	0
					RETRANSMIT	1
					PB_AND_REXMIT	2

playback_type conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.132 sc ds chngfltrtbl

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Change Filter Table Command

Command Target

none

Format

opcode		subfield(s)	
0x10		filter_table_id	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

filter_table_id: DS Change Filter Table Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	8	default	

filter_table_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.133 sc ds closed

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Close Data Set Command

Command Target

none

Format

opcode		subfield(s)	
0x01		vr_bit_mask	
bit	0	7	8
			23

Command size = 24 bits = 3 bytes.

Subfield(s)**vr_bit_mask:** DS Close Data Set Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16
					ALL_VRS	30

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.134 sc ds disdataoverw****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Disable Data Overwrite Command

Command Target

none

Format

opcode		subfield(s)	
0x0c		vr_bit_mask	
bit	0	7	8
			23

Command size = 24 bits = 3 bytes.

Subfield(s)

vr_bit_mask: DS Disable Data Overwrite Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.135 sc ds dmpeventbuf****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Dump Event Buffer Command

Command Target

none

Format

opcode	subfield(s)
0x0e	dsid

Command size = 24 bits = 3 bytes.

bit	0	7	8	23
-----	---	---	---	----

Subfield(s)**dsid:** DS Dump Event Buffer Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DATASET_0	0
					DATASET_1	1
					DATASET_2	2
					DATASET_3	3

dsid conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.136 sc ds endataoverw****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Enable Data Overwrite Command

Command Target

none

Format

opcode		subfield(s)	
0x0b		vr_bit_mask	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)**vr_bit_mask:** DS Enable Data Overwrite Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.137 sc ds pausepbk****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Pause Playback Command

Command Target

none

Format

opcode	
0x14	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.138 sc ds relbyds****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Release By Data Sets Command

Command Target

none

Format

opcode		subfield(s)	
0x02		dsid	vr_bit_mask
bit	0 7	8 23	24 39

Command size = 40 bits = 5 bytes.

Subfield(s)**dsid:** DS Release By Data Sets Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DATASET_0	0
					DATASET_1	1
					DATASET_2	2
					DATASET_3	3

dsid conversion coefficients:

c0	c1	c2	c3

vr_bit_mask: DS Release By Data Sets Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.139 sc ds relbyseqnum

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Release By Sequence Number Command

Command Target

none

Format

opcode		subfield(s)	
0x03		vrid	maxframenumtorel
bit	0	7	8 23 24 55

Command size = 56 bits = 7 bytes.

Subfield(s)

vrid: DS Release By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid conversion coefficients:

c0	c1	c2	c3

maxframenumtorel: DS Release By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

maxframenumtorel conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.140 sc ds resumepbk

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Resume Playback Command

Command Target

none

Format

	opcode	
	0x15	Command size = 8 bits = 1 bytes.
bit	0	7

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.141 sc ds rstcntrs

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Reset Counters Command

Command Target

none

Format

opcode	
0x11	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.142 sc ds stcontpbk****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Start Continuous Playback Command

Command Target

none

Format

opcode		subfield(s)	
0x07		vr_bit_mask	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)**vr_bit_mask:** DS Start Continuous Playback Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.143 sc ds stpbk

Packet Target Application Identifier

ds, 0x032, (50)

Description

DS Start Playback Command

Command Target

none

Format

opcode		subfield(s)		
0x05		datasetid	vr_bit_mask	
bit	0	7	8	23
			24	39

Command size = 40 bits = 5 bytes.

Subfield(s)

datasetid: DS Start Playback Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DATASET_0	0
					DATASET_1	1
					DATASET_2	2
					DATASET_3	3

datasetid conversion coefficients:

c0	c1	c2	c3

vr_bit_mask: DS Start Playback Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.144 sc ds strtxbyds****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Start Retransmit By Data Set Command

Command Target

none

Format

opcode		subfield(s)		
0x09		dsid	vr_bit_mask	
bit	0	7	8	23
			24	39

Command size = 40 bits = 5 bytes.

Subfield(s)**dsid:** DS Start Retransmit By Data Set Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					DATASET_0	0
					DATASET_1	1
					DATASET_2	2
					DATASET_3	3

dsid conversion coefficients:

c0	c1	c2	c3

vr_bit_mask: DS Start Retransmit By Data Set Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1_MASK	2
					VR2_MASK	4
					VR3_MASK	8
					VR4_MASK	16

vr_bit_mask conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.145 sc ds strtxbyseqnum****Packet Target Application Identifier**

ds, 0x032, (50)

Description

DS Start Retransmit By Sequence Number Command

Command Target

none

Format

opcode	
0x0a	
bit	0 7

Command size = 1944 bits = 243 bytes.

Subfield(s)**numseq:** DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	30	default	

numseq conversion coefficients:

c0	c1	c2	c3

vrid.01: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid.01 conversion coefficients:

c0	c1	c2	c3

numvcdu.01: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_01 conversion coefficients:

c0	c1	c2	c3

startvcdu_01: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

startvcdu_01 conversion coefficients:

c0	c1	c2	c3

vrid_02: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_02 conversion coefficients:

c0	c1	c2	c3

numvcdu_02: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_02 conversion coefficients:

c0	c1	c2	c3

startvcdu_02: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

startvcdu_02 conversion coefficients:

c0	c1	c2	c3

vrid_03: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_03 conversion coefficients:

c0	c1	c2	c3

numvcdu_03: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_03 conversion coefficients:

c0	c1	c2	c3

startvcdu_03: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

startvcdu_03 conversion coefficients:

c0	c1	c2	c3

vrid_04: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_04 conversion coefficients:

c0	c1	c2	c3

numvcdu_04: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_04 conversion coefficients:

c0	c1	c2	c3

startvcdu_04: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_04 conversion coefficients:

c0	c1	c2	c3

vrid_05: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_05 conversion coefficients:

c0	c1	c2	c3

numvcdu_05: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_05 conversion coefficients:

c0	c1	c2	c3

startvcdu_05: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_05 conversion coefficients:

c0	c1	c2	c3

vrid_06: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_06 conversion coefficients:

c0	c1	c2	c3

numvcdu_06: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_06 conversion coefficients:

c0	c1	c2	c3

startvcdu_06: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_06 conversion coefficients:

c0	c1	c2	c3

vrid_07: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_07 conversion coefficients:

c0	c1	c2	c3

numvcdu_07: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_07 conversion coefficients:

c0	c1	c2	c3

startvcdu_07: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_07 conversion coefficients:

c0	c1	c2	c3

vrid_08: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_08 conversion coefficients:

c0	c1	c2	c3

numvcdu_08: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_08 conversion coefficients:

c0	c1	c2	c3

startvcdu_08: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_08 conversion coefficients:

c0	c1	c2	c3

vrid_09: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_09 conversion coefficients:

c0	c1	c2	c3

numvcdu_09: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_09 conversion coefficients:

c0	c1	c2	c3

startvcdu_09: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_09 conversion coefficients:

c0	c1	c2	c3

vrid_10: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_10 conversion coefficients:

c0	c1	c2	c3

numvcdu_10: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_10 conversion coefficients:

c0	c1	c2	c3

startvcdu_10: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_10 conversion coefficients:

c0	c1	c2	c3

vrid_11: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_11 conversion coefficients:

c0	c1	c2	c3

numvcdu_11: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_11 conversion coefficients:

c0	c1	c2	c3

startvcdu_11: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_11 conversion coefficients:

c0	c1	c2	c3

vrid_12: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_12 conversion coefficients:

c0	c1	c2	c3

numvcdu_12: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_12 conversion coefficients:

c0	c1	c2	c3

startvcdu_12: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_12 conversion coefficients:

c0	c1	c2	c3

vrid_13: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_13 conversion coefficients:

c0	c1	c2	c3

numvcdu_13: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_13 conversion coefficients:

c0	c1	c2	c3

startvcdu_13: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_13 conversion coefficients:

c0	c1	c2	c3

vrid_14: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_14 conversion coefficients:

c0	c1	c2	c3

numvcdu_14: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_14 conversion coefficients:

c0	c1	c2	c3

startvcdu_14: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_14 conversion coefficients:

c0	c1	c2	c3

vrid_15: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_15 conversion coefficients:

c0	c1	c2	c3

numvcdu_15: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_15 conversion coefficients:

c0	c1	c2	c3

startvcdu_15: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_15 conversion coefficients:

c0	c1	c2	c3

vrid_16: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_16 conversion coefficients:

c0	c1	c2	c3

numvcdu_16: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_16 conversion coefficients:

c0	c1	c2	c3

startvcdu_16: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_16 conversion coefficients:

c0	c1	c2	c3

vrid_17: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_17 conversion coefficients:

c0	c1	c2	c3

numvcdu_17: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_17 conversion coefficients:

c0	c1	c2	c3

startvcdu_17: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_17 conversion coefficients:

c0	c1	c2	c3

vrid_18: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_18 conversion coefficients:

c0	c1	c2	c3

numvcdu_18: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_18 conversion coefficients:

c0	c1	c2	c3

startvcdu_18: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_18 conversion coefficients:

c0	c1	c2	c3

vrid_19: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_19 conversion coefficients:

c0	c1	c2	c3

numvcdu_19: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_19 conversion coefficients:

c0	c1	c2	c3

startvcdu_19: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_19 conversion coefficients:

c0	c1	c2	c3

vrid_20: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_20 conversion coefficients:

c0	c1	c2	c3

numvcdu_20: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_20 conversion coefficients:

c0	c1	c2	c3

startvcdu_20: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_20 conversion coefficients:

c0	c1	c2	c3

vrid_21: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_21 conversion coefficients:

c0	c1	c2	c3

numvcdu_21: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_21 conversion coefficients:

c0	c1	c2	c3

startvcdu_21: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_21 conversion coefficients:

c0	c1	c2	c3

vrid_22: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_22 conversion coefficients:

c0	c1	c2	c3

numvcdu_22: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_22 conversion coefficients:

c0	c1	c2	c3

startvcdu_22: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_22 conversion coefficients:

c0	c1	c2	c3

vrid_23: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_23 conversion coefficients:

c0	c1	c2	c3

numvcdu_23: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_23 conversion coefficients:

c0	c1	c2	c3

startvcdu_23: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_23 conversion coefficients:

c0	c1	c2	c3

vrid_24: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_24 conversion coefficients:

c0	c1	c2	c3

numvcdu_24: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_24 conversion coefficients:

c0	c1	c2	c3

startvcdu_24: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_24 conversion coefficients:

c0	c1	c2	c3

vrid_25: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_25 conversion coefficients:

c0	c1	c2	c3

numvcdu_25: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_25 conversion coefficients:

c0	c1	c2	c3

startvcdu_25: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_25 conversion coefficients:

c0	c1	c2	c3

vrid_26: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_26 conversion coefficients:

c0	c1	c2	c3

numvcdu_26: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_26 conversion coefficients:

c0	c1	c2	c3

startvcdu_26: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_26 conversion coefficients:

c0	c1	c2	c3

vrid_27: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_27 conversion coefficients:

c0	c1	c2	c3

numvcdu_27: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_27 conversion coefficients:

c0	c1	c2	c3

startvcdu_27: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_27 conversion coefficients:

c0	c1	c2	c3

vrid_28: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_28 conversion coefficients:

c0	c1	c2	c3

numvcdu_28: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_28 conversion coefficients:

c0	c1	c2	c3

startvcdu_28: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_28 conversion coefficients:

c0	c1	c2	c3

vrid_29: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_29 conversion coefficients:

c0	c1	c2	c3

numvcdu_29: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_29 conversion coefficients:

c0	c1	c2	c3

startvcdu_29: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_29 conversion coefficients:

c0	c1	c2	c3

vrid_30: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state				default	
					VR1	1
					VR2	2
					VR3	3
					VR4	4
					VR5	5

vrid_30 conversion coefficients:

c0	c1	c2	c3

numvcdu_30: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	65535	default	

numvcdu_30 conversion coefficients:

c0	c1	c2	c3

startvcdu_30: DS Start Retransmit By Sequence Number Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

startvcdu_30 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.146 sc hs chngsndrate****Packet Target Application Identifier**

hs, 0x041, (65)

Description

Modify rate of HS housekeeping telemetry request cycle - how often HS tlm is col

Discussion

lected and placed on the software bus.

Command Target

none

Format

opcode		subfield(s)	
0x08		request_period	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**request_period:** Modify rate of HS housekeeping telemetry request cycle - how often HS tlm is col

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

request_period conversion coefficients:

c0	c1	c2	c3

request_period discussion:

Modify rate of HS housekeeping telemetry request cycle - how often HS tlm is col

Safety Level

SAFE

Telemetry Verification**B.147 sc hs rstcntrs****Packet Target Application Identifier**

hs, 0x041, (65)

Description

This command sets ground command execution and error counters to zero.

Command Target

none

Format

opcode	
0x07	
bit	0

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.148 sc ms disscrub****Packet Target Application Identifier**

ms, 0x055, (85)

Description

Disable Memory Scrub

Command Target

none

Format

opcode	
0x03	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.149 sc ms enscrub****Packet Target Application Identifier**

ms, 0x055, (85)

Description

Enable Memory Scrub

Command Target

none

Format

opcode	
0x04	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.150 sc ms restscrub****Packet Target Application Identifier**

ms, 0x055, (85)

Description

Restart Memroy Scrub

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.151 sc ms rstscrub****Packet Target Application Identifier**

ms, 0x055, (85)

Description

Reset Memroy Scrub telemetry

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.152 sc pg chgmaxn****Packet Target Application Identifier**

pg, 0x013, (19)

Description

This command changes the maximum number of sub-pkts allowed in an inst. super-pk

Command Target

none

Format

opcode		subfield(s)	
0x09		pg_maxn	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**pg_maxn:** Pg Chnge Max Number

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

pg_maxn conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.153 sc pg dispegtlmpoc****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Disable processing of Pegasus telemetry data to Pegasus LV

Command Target

none

Format

opcode	
0x03	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.154 sc pg dissvlpbak****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Disable pegasus state vector loopback. This is the default! Normal S/C houske

Discussion

eping telemetry will be routed to pegasus when disabled.

Command Target

none

Format

opcode	
0x08	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.155 sc pg enpegtlmpoc****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Enable processing of Pegasus telemetry data to Pegasus LV

Command Target

none

Format

opcode	
0x04	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.156 sc pg ensvlpbak****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Enable pegasus state vector loopback. This will cause the state vector from peg

Discussion

asus to be sent back to pegasus. This is for ground test only!

Command Target

none

Format

opcode	
0x07	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.157 sc pg noop****Packet Target Application Identifier**

pg, 0x013, (19)

Description

No-Op command

Command Target

none

Format

bit	opcode	
	0	7

0x0a Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.158 sc pg rstpg200errcn****Packet Target Application Identifier**

pg, 0x013, (19)

Description

No-Op command

Command Target

none

Format

bit	opcode	
	0	7

0x0b Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.159 sc pg rstpg201errcn****Packet Target Application Identifier**

pg, 0x013, (19)

Description

No-Op command

Command Target

none

Format

bit	opcode	
	0	7

0x0c Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.160 sc pg rstpg202errcn****Packet Target Application Identifier**

pg, 0x013, (19)

Description

No-Op command

Command Target

none

Format

bit	opcode	
	0	7

0x0d Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.161 sc pg rstpg203errcn****Packet Target Application Identifier**

pg, 0x013, (19)

Description

No-Op command

Command Target

none

Format

bit	opcode	
	0	7

0x0e Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.162 sc pg rsttlm****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Reset counters in PG telemetry

Command Target

none

Format

bit	opcode	
	0	7

0x02 Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.163 sc pg sndpegsvbuf****Packet Target Application Identifier**

pg, 0x013, (19)

Description

Send Pegasus state vector buffer to telemetry stream. Buffer contains last 4 sta

Discussion

te vectors received.

Command Target

none

Format

bit	opcode		Command size = 8 bits = 1 bytes.
	0	7	

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.164 sc pre dis****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Disable switch command to turn off spacecraft actuators

Command Target

none

Format

bit	opcode		subfield(s)		Command size = 40 bits = 5 bytes.
	0	7	8	39	

Subfield(s)

actuator_name: Disable switch command to turn off spacecraft actuators

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_HDRM_ACTR_EN	60917760
					SEC_HDRM_ACTR_EN	60983296

actuator_name conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.165 sc pre dishisidesw****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

high-side switches power off

Command Target

none

Format

opcode		subfield(s)	
0x01		hiside_htrsw	
bit	0	7	8
			39

Command size = 40 bits = 5 bytes.

Subfield(s)**hiside_htrsw:** high-side switches power off

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_BATTOPS_EN	60887042
					TCVRWZ_OPS_EN	60887072
					PRI_BATTSRV_EN	60887168
					RED_BATTOPS_EN	60952578
					RED_BATTSRV_EN	60952704
					RED_ST_OPS_EN	60958720
					PRI_PREPANL_EN	61018114
					PRI_ST_OPS_EN	61022240
					TCVSTRWZ_SRV_EN	61038720

hiside_htrsw conversion coefficients:

c0	c1	c2	c3

hiside_htrsw discussion:

Safety Level

SAFE

Telemetry Verification**B.166 sc pre en****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Enable switch command to turn on spacecraft actuators

Command Target

none

Format

bit	opcode		subfield(s)	
	0	7	8	39
	0x01		actuator_name	

Command size = 40 bits = 5 bytes.

Subfield(s)**actuator_name:** Enable switch command to turn on spacecraft actuators

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_HDRM_ACTR_EN	60918784
					SEC_HDRM_ACTR_EN	60984320

actuator_name conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.167 sc pre enhisidesw****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

high-side switches power on

Command Target

none

Format

bit	opcode		subfield(s)	
	0	7	8	39
	0x01		hiside_htrsw	

Command size = 40 bits = 5 bytes.

Subfield(s)

hiside_htrsw: high-side switches power on

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_BATTOPS_EN	60887043
					TCVRWZ_OPS_EN	60887088
					PRI_BATTSRV_EN	60887232
					RED_BATTOPS_EN	60952579
					RED_BATTSRV_EN	60952768
					RED_ST_OPS_EN	60959744
					PRI_PREPANL_EN	61018115
					PRI_ST_OPS_EN	61022256
					TCVSTRWZ_SRV_EN	61038784

hiside_htrsw conversion coefficients:

c0	c1	c2	c3

hiside_htrsw discussion:**Safety Level**

SAFE

Telemetry Verification**B.168 sc pre gcswitchoff****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Open PRE GC switches - for testing PRE/software only - delete pre-flight.

Command Target

none

Format

opcode		subfield(s)	
0x01		gc_switches	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)**gc_switches:** Open PRE GC switches - for testing PRE/software only - delete pre-flight.

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_ST_HTR_GC	60895360
					PRI_BATT_HTR_GC	60897288
					RED_ST_HTR_GC	60960896
					RED_BATT_HTR_GC	60961312
					RW_Z_HTR_GC	61026432
					TCVR_HTR_GC	61028360

gc_switches conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.169 sc pre gcswitchon****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Open PRE GC switches - for testing PRE/software only - delete pre-flight.

Command Target

none

Format

opcode		subfield(s)	
0x01		gc_switches	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)

gc_switches: Open PRE GC switches - for testing PRE/software only - delete pre-flight.

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_ST_HTR_GC	60895424
					PRI_BATT_HTR_GC	60898316
					RED_ST_HTR_GC	60960960
					RED_BATT_HTR_GC	60961584
					RW_Z_HTR_GC	61026496
					TCVR_HTR_GC	61029388

gc_switches conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.170 sc pre instintrpwoff

Packet Target Application Identifier

pre, 0x0a0, (160)

Description

PRE Instrument interface switch power-OFF

Discussion

Constraints

Command Target

Format

opcode	subfield(s)
0x01	interface_sw
bit 0 7 8 39	

Command size = 40 bits = 5 bytes.

Subfield(s)

interface_sw: PRE Instrument interface switch power-OFF

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_CDE_SW	60893184
					PRI_SOFIECVR_SW	60907528
					RED_CIPS_SW	60953088
					RED_SOFIE_SW	60954624
					RED_INSTHTR_SW	60973064
					PRI_CIPS_SW	61018624
					PRI_SOFIE_SW	61020160
					RED_CDE_SW	61024256
					RED_SOFIECVR_SW	61038600
					PRI_INSTHTR_SW	61038624

interface_sw conversion coefficients:

c0	c1	c2	c3

interface_sw discussion:**Safety Level**

SAFE

Telemetry Verification**B.171 sc pre instintrpwon****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

PRE Instrument interface switch power-ON

Discussion**Constraints****Command Target****Format**

opcode	subfield(s)
0x01	interface_sw

Command size = 40 bits = 5 bytes.

bit 0 7 8 39

Subfield(s)

interface_sw: PRE Instrument interface switch power-ON

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_CDE_SW	60894208
					PRI_SOFIECVR_SW	60907532
					RED_CIPS_SW	60953344
					RED_SOFIE_SW	60955648
					RED_INSTHTR_SW	60973068
					PRI_CIPS_SW	61018880
					PRI_SOFIE_SW	61021184
					RED_CDE_SW	61025280
					RED_SOFIECVR_SW	61038604
					PRI_INSTHTR_SW	61038640

interface_sw conversion coefficients:

c0	c1	c2	c3

interface_sw discussion:

Safety Level

SAFE

Telemetry Verification

B.172 sc pre rstswitchcrd

Packet Target Application Identifier

pre, 0x0a0, (160)

Description

Reset PRE switch card (A2, A3, or A4 - switch cards 1, 2, or 3). This command w

Discussion

ill reset the FPGA - states are reset and switches are set to default (open).

Command Target

none

Format

opcode		subfield(s)	
0x01		switchcardrstsel	
bit	0	7	8
			39

Command size = 40 bits = 5 bytes.

Subfield(s)

switchcardrstsel: Reset PRE switch card (A2, A3, or A4 - switch cards 1, 2, or 3). This command w

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					CARD_A2	60915471
					CARD_A3	60981007
					CARD_A4	61046543

switchcardrstsel conversion coefficients:

c0	c1	c2	c3

switchcardrstsel discussion:

Reset PRE switch card (A2, A3, or A4 - switch cards 1, 2, or 3). This command w

Safety Level

HAZARDOUS

Telemetry Verification

B.173 sc pre sethdrmoft

Packet Target Application Identifier

pre, 0x0a0, (160)

Description

This command is used to turn OFF the Hold-Down-.Release-Mechanism switches

Command Target

none

Format

opcode	subfield(s)
0x01	hdrm_switch_name
bit 0 7 8 39	

Command size = 40 bits = 5 bytes.

Subfield(s)

hdrm_switch_name: This command is used to turn OFF the Hold-Down-Release-Mechanism

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_HDRM_PH3	60907552
					PRI_HDRM_PH1	60907648
					PRI_HDRM_PH2	60908032
					PRI_HDRM_PH4	60909568
					SEC_HDRM_PH3	60973088
					SEC_HDRM_PH1	60973184
					SEC_HDRM_PH2	60973568
					SEC_HDRM_PH4	60975104

hdrm_switch_name conversion coefficients:

c0	c1	c2	c3

hdrm_switch_name discussion:**Safety Level**

SAFE

Telemetry Verification**B.174 sc pre sethdrmon****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

This command is used to turn ON the Hold-Down-Release-Mechanism (HDRM) switches.

Command Target

none

Format

opcode		subfield(s)	
0x01		hdrm_switch_name	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)**hdrm_switch_name:** This command is used to turn ON the Hold-Down-Release-Mechanism (HDRM) switches.

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					PRI_HDRM_PH3	60907568
					PRI_HDRM_PH1	60907712
					PRI_HDRM_PH2	60908288
					PRI_HDRM_PH4	60910592
					SEC_HDRM_PH3	60973104
					SEC_HDRM_PH1	60973248
					SEC_HDRM_PH2	60973824
					SEC_HDRM_PH4	60976128

hdrm_switch_name conversion coefficients:

c0	c1	c2	c3

hdrm_switch_name discussion:**Safety Level**

HAZARDOUS

Telemetry Verification**B.175 sc pre setpwroff****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Power switch command to turn off spacecraft loads (PRE switches)

Command Target

none

Format

opcode	subfield(s)
0x01	load_name
bit 0 7 8 39	

Command size = 40 bits = 5 bytes.

Subfield(s)**load_name:** Power switch command to turn off spacecraft loads (PRE switches)

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					CEU_NCRIT_PRI	60887048
					IRU12_RED	60887552
					RWA_X_RED	60889088
					TX_PRI_SW	60891138
					RWA_Z_RED	60891144
					TXCMD_OFF_PRI	60891168
					TXRATE_H_PRI	60891264
					MTB_X_SW	60891648
					TXCMD_ON_PRI	60895234
					IRU1_PRI	60952584
					RWA_Y_PRI	60952608
					TX_RED_SW	60956674
					ST_RED_SW	60956680
					TXRATE_L	60956704
					TXRATE_H_RED	60956800
					MTB_Z_SW	60957184
					TXCMD_ON_RED	60960770
					RWA_X_PRI	61018120
					RWA_Z_PRI	61018144
					ST_PRI_SW	61018240
					IRU2_PRI	61022210
					CEU_NCRIT_RED	61022216
					MTB_Y_SW	61022720
					RWA_Y_RED	61048832

load_name conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.176 sc pre setpwron****Packet Target Application Identifier**

pre, 0x0a0, (160)

Description

Power switch command to turn on spacecraft loads (PRE switches)

Command Target

none

Format

	opcode	subfield(s)	
	0x01	load_name	Command size = 40 bits = 5 bytes.
bit	0	7	8 39

Subfield(s)

load_name: Power switch command to turn on spacecraft loads (PRE switches)

bits	type	eng units	min (dn)	max (dn)	state	value
32	discrete state	any			default	
					CEU_NCRIT_PRI	60887052
					IRU12_RED	60887808
					RWA_X_RED	60890112
					TX_PRI_SW	60891139
					RWA_Z_RED	60891148
					TXCMD_OFF_PRI	60891184
					TXRATE_H_PRI	60891328
					MTB_X_SW	60891904
					TXCMD_ON_PRI	60895235
					IRU1_PRI	60952588
					RWA_Y_PRI	60952624
					TX_RED_SW	60956675
					ST_RED_SW	60956684
					TXRATE_L	60956720
					TXRATE_H_RED	60956864
					MTB_Z_SW	60957440
					TXCMD_ON_RED	60960771
					RWA_X_PRI	61018124
					RWA_Z_PRI	61018160
					ST_PRI_SW	61018304
					IRU2_PRI	61022211
					CEU_NCRIT_RED	61022220
					MTB_Y_SW	61022976
					RWA_Y_RED	61049856

load_name conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.177 sc s1 clruplrsttmr**Packet Target Application Identifier**

s1, 0x05a, (90)

Description

This command allows the ground to mimic the OBC clearing the uplink reset timer.

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.178 sc s1 rst****Packet Target Application Identifier**

s1, 0x05a, (90)

Description

reset S1

Command Target

none

Format

opcode	
0x08	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.179 sc s1 rsttlm**Packet Target Application Identifier**

s1, 0x05a, (90)

Description

reset tlm for S1

Command Target

none

Format

opcode	
0x03	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification**B.180 sc s1 setuplrsttmr****Packet Target Application Identifier**

s1, 0x05a, (90)

Description

This command allows the ground to mimic the OBC setting the uplink's reset timer

Discussion

.

Command Target

none

Format

opcode	
0x01	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level**

SAFE

Telemetry Verification

B.181 sc s1 uldisobchlp

Packet Target Application Identifier

s1, 0x05a, (90)

Description

Disable HLP commands from OBC

Command Target

none

Format

bit	opcode	
	0	7
0x01		

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.182 sc s1 ulenobchlp

Packet Target Application Identifier

s1, 0x05a, (90)

Description

Disable HLP commands from OBC

Command Target

none

Format

bit	opcode	
	0	7
0x01		

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.183 sc s1 ulenpegtst

Packet Target Application Identifier

s1, 0x05a, (90)

Description

This command allows the ground to mimic the OBC enabling/disabling the Pegasus

Discussion

Interface.

Command Target

none

Format

opcode		subfield(s)	
0x01		sxhsscmdulenpeg	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

sxhsscmdulenpeg: This command allows the ground to mimic the OBC enabling/disabling the Pegasus

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					OFF	0
					ON	1

sxhsscmdulenpeg conversion coefficients:

c0	c1	c2	c3

sxhsscmdulenpeg discussion:

This command allows the ground to mimic the OBC enabling/disabling the Pegasus

Safety Level

SAFE

Telemetry Verification

B.184 sc s1 ulrstapea

Packet Target Application Identifier

s1, 0x05a, (90)

Description

Reset APE A from OBC

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.185 sc s1 ulsetplopnlp

Packet Target Application Identifier

s1, 0x05a, (90)

Description

set_pll_open_loop on ULC from OBC

Command Target

none

Format

opcode		subfield(s)	
0x01		freq	frac_freq
bit	0 7	8 39	40 55

Command size = 56 bits = 7 bytes.

Subfield(s)

freq: set_pll_open_loop on ULC from OBC

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

freq conversion coefficients:

c0	c1	c2	c3

frac.freq: set_pll_open_loop on ULC from OBC

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

frac.freq conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.186 sc s1 ulsetvcrtetst****Packet Target Application Identifier**

s1, 0x05a, (90)

Description

This command allows the ground to mimic the OBC setting the Uplink's VCDU releas

Discussion

e rate.

Command Target

none

Format

opcode	subfield(s)
0x01	vcdu_rate
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

vcdu_rate: This command allows the ground to mimic the OBC setting the Uplink's VCDU releas

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

vcdu_rate conversion coefficients:

c0	c1	c2	c3

vcdu_rate discussion:

This command allows the ground to mimic the OBC setting the Uplink's VCDU releas

Safety Level

SAFE

Telemetry Verification**B.187 sc s2 rst****Packet Target Application Identifier**

s2, 0x05b, (91)

Description

reset S2

Command Target

none

Format

opcode	
0x08	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.188 sc s2 rsttlm****Packet Target Application Identifier**

s2, 0x05b, (91)

Description

reset tlm for S2

Command Target

none

Format

opcode	
0x03	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.189 sc sb disdest****Packet Target Application Identifier**

sb, 0x05f, (95)

Description

disable destination

Command Target

none

Format

opcode		subfield(s)			
0x06		stream_id	pipeline_id		
bit	0 7	8	23	24	39

Command size = 40 bits = 5 bytes.

Subfield(s)**stream_id:** disable destination

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

stream_id conversion coefficients:

c0	c1	c2	c3

pipeline_id: disable destination

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

pipeline_id conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification

B.190 sc sb disseqmon

Packet Target Application Identifier

sb, 0x05f, (95)

Description

disable packet sequence monitor

Command Target

none

Format

opcode	
0x04	
bit	0 7

 Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.191 sc sb endest

Packet Target Application Identifier

sb, 0x05f, (95)

Description

enable destination

Command Target

none

Format

opcode		subfield(s)	
0x05		stream_id	pipeline_id
bit	0 7	8 23	24 39

 Command size = 40 bits = 5 bytes.

Subfield(s)

stream_id: enable destination

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

stream_id conversion coefficients:

c0	c1	c2	c3

pipeline_id: enable destination

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

pipeline_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.192 sc sb enseqmon****Packet Target Application Identifier**

sb, 0x05f, (95)

Description

enable packet sequence monitor

Command Target

none

Format

opcode	subfield(s)
0x03	stream_id

Command size = 24 bits = 3 bytes.

bit 0 7 8 23

Subfield(s)**stream_id:** enable packet sequence monitor

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

stream_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.193 sc sb rsterrcnt**Packet Target Application Identifier**

sb, 0x05f, (95)

Description

Software Bus Task Commands via function code

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.194 sc sc disrts****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command disables a relative time sequence.

Command Target

none

Format

opcode		subfield(s)	
0x05		rts_id	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)**rts_id:** This command disables a relative time sequence.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

rts_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.195 sc sc enrts****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command enables a relative time sequence.

Command Target

none

Format

opcode	subfield(s)
0x06	rts_id
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)**rts_id:** This command enables a relative time sequence.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

rts_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.196 sc sc jumpats****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command starts a relative time sequence.

Command Target

none

Format

opcode		subfield(s)	
0x08		new_time	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)

new_time: This command starts a relative time sequence.

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

new_time conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.197 sc sc rstcntrs****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This is a SC_Command function. This function is a command to reset the counters

Discussion

in the SC task. It clears out all of the general purpose housekeeping counters that are in the housekeeping packet. It will not clear out any data that is used to control the SCP.

Command Target

none

Format

opcode	
0x09	
bit	0

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.198 sc sc stats****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command starts an absolute time sequence on the ATP.

Command Target

none

Format

opcode		subfield(s)	
0x01		ats_id	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**ats_id:** This command starts an absolute time sequence on the ATP.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					ATS_A	1
					ATS_B	2

ats_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.199 sc sc stopats****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command stop the ATS that is running.

Command Target

none

Format

bit	opcode	
	0x02	
	0	7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.200 sc sc stoprts****Packet Target Application Identifier**

sc, 0x064, (100)

Description

This command stops a relative time sequence.

Command Target

none

Format

bit	opcode		subfield(s)	
	0x04		rts_id	
	0	7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)

rts_id: This command stops a relative time sequence.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

rts_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.201 sc sc strts

Packet Target Application Identifier

sc, 0x064, (100)

Description

This command starts a relative time sequence.

Command Target

none

Format

opcode		subfield(s)	
0x03		rts_id	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)

rts_id: This command starts a relative time sequence.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

rts_id conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.202 sc sc switchats

Packet Target Application Identifier

sc, 0x064, (100)

Description

This is a command to switch the ATS that is running. No parameters are needed.

Discussion

Command Target

none

Format

opcode	
0x07	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.203 sc sm abortdmp****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Aborts Dump In Progress

Command Target

none

Format

opcode	
0x04	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.204 sc sm cmttbl****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Commit Working Table

Command Target

none

Format

	opcode	
	0x25	Command size = 8 bits = 1 bytes.
bit	0	7

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.205 sc sm copymemory****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Copies num_words from from_address to to_address of type to_mem_type

Command Target

none

Format

		opcode		subfield(s)						
		0x11		from_address	to_mem_type	to_address	num_words	Command size = 104 bits = 13 bytes.		
bit	0	7	8	39	40	55	56	87	88	103

Subfield(s)**from_address:** Copies num_words from from_address to to_address of type to_mem_type

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

from_address conversion coefficients:

c0	c1	c2	c3

to_mem_type: Copies num_words from from_address to to_address of type to_mem_type

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

to_mem_type conversion coefficients:

c0	c1	c2	c3

to_address: Copies num_words from from_address to to_address of type to_mem_type

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

to_address conversion coefficients:

c0	c1	c2	c3

num_words: Copies num_words from from_address to to_address of type to_mem_type

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_words conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.206 sc sm dmpinevent

Packet Target Application Identifier

sm, 0x06e, (110)

Description

This command is used to dump up to 6 u_words in the event message stream.

Command Target

none

Format

opcode	subfield(s)
0x15	from_address

Command size = 40 bits = 5 bytes.

bit 0 7 8 39

Subfield(s)

from_address: This command is used to dump up to 6 u_words in the event message stream.

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

from_address conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.207 sc sm dmpmemory****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Dump num_copies of num_words from from_address

Command Target

none

Format

bit	opcode		subfield(s)						
	0x13		from_address	num_words	num_copies				
	0	7	8	39	40	55	56	71	

Command size = 72 bits = 9 bytes.

Subfield(s)**from_address:** Dump num_copies of num_words from from_address

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

from_address conversion coefficients:

c0	c1	c2	c3

num_words: Dump num_copies of num_words from from_address

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_words conversion coefficients:

c0	c1	c2	c3

num_copies: Dump num_copies of num_words from from_address

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_copies conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.208 sc sm dtbl****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Dump SCP or Sys Table

Command Target

none

Format

opcode		subfield(s)						
0x23		offset	num_words		num_copies			
bit	0	7	8	23	24	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)**offset:** Dump SCP or Sys Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

offset conversion coefficients:

c0	c1	c2	c3

num_words: Dump SCP or Sys Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_words conversion coefficients:

c0	c1	c2	c3

num_copies: Dump SCP or Sys Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_copies conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.209 sc sm getcrc****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Get CRC

Command Target

none

Format

opcode		subfield(s)				
0x12		smget_crcstaddr		smgetcrcbytecnt		
bit	0	7	8	39	40	71

Command size = 72 bits = 9 bytes.

Subfield(s)**smget_crcstaddr:** Get CRC

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	any			default	

smget_crcstaddr conversion coefficients:

c0	c1	c2	c3

smgetcrcbytecnt: Get CRC

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	any			default	

smgetcrcbytecnt conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.210 sc sm ldtbl

Packet Target Application Identifier

sm, 0x06e, (110)

Description

This functions will ...

Command Target

none

Format

bit	opcode		subfield(s)			
	0x22	offset	num_words	pad		
	0	7	8	23	24	39
					40	55

Command size = 56 bits = 7 bytes.

Subfield(s)

offset: This functions will ...

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

offset conversion coefficients:

c0	c1	c2	c3

num_words: This functions will ...

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

num_words conversion coefficients:

c0	c1	c2	c3

pad:

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

pad conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.211 sc sm ldtbl_dword

Packet Target Application Identifier

sm, 0x06e, (110)

Description

Loadgen issues a series of these commands following the sm sc_ldtbl command.

Command Target

none

Format

opcode		subfield(s)	
0x186e0000		data	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	32	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.212 sc sm ldtbl_word

Packet Target Application Identifier

sm, 0x06e, (110)

Description

Loadgen issues a series of these commands following the sm sc_ldtbl command.

Command Target

none

Format

opcode		subfield(s)	
0x186e		data	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.213 sc sm lduninramword****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

This command is used in conjunction with the sc_lduninttoram command

Command Target

none

Format

	opcode	subfield(s)	Command size = 24 bits = 3 bytes.
	0x186e	data	
bit	0	7 8 23	

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.214 sc sm lduninttoram**Packet Target Application Identifier**

sm, 0x06e, (110)

Description

This command is used in conjunction with the sc_lduninramword

Command Target

none

Format

	opcode		subfield(s)			
	0x14		to_address		num_words	
bit	0	7	8	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)

to_address:	bits	type	eng units	min (dn)	max (dn)	state	value
	32	unsigned integer				default	

to_address conversion coefficients:

c0	c1	c2	c3

num_words:	bits	type	eng units	min (dn)	max (dn)	state	value
	16	unsigned integer				default	

num_words conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.215 sc sm memdwelldis****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Disables Memory Dwell

Command Target

none

Format

opcode	
0x03	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.216 sc sm memdwellen****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Enables Memory Dwell

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.217 sc sm memld****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

This command is used to reprogram processor memory

Command Target

none

Format

bit	opcode		subfield(s)				
	0x10	to_mem_type	num_words	to_address	Command size = 56 bits = 7 bytes.		
	0	7	8	15	16	23	24 55

Subfield(s)

to_mem_type: This command is used to reprogram processor memory

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

to_mem_type conversion coefficients:

c0	c1	c2	c3

num_words: This command is used to reprogram processor memory

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

num_words conversion coefficients:

c0	c1	c2	c3

to_address: This command is used to reprogram processor memory

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

to_address conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.218 sc sm memld_dword****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Loadgen issues a series of these commands following the sm sc_memld command.

Command Target

none

Format

opcode		subfield(s)	
0x186e0000		data	
bit	0	7	8 39

Command size = 40 bits = 5 bytes.

Subfield(s)

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.219 sc sm memld_word****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Loadgen issues a series of these commands following the sm sc_memld command.

Command Target

none

Format

opcode		subfield(s)	
0x186e		data	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.220 sc sm readio

Packet Target Application Identifier

sm, 0x06e, (110)

Description

Read to I/O port or any memory address

Discussion

CAUTION: this command may cause exception and suspend SM if register or memory is not defined at the specified address and width!

Command Target

none

Format

opcode		subfield(s)			
0x06		io_read_type	io_read_addr	io_read_cksm	
bit	0 7	8 23	24 55	56 71	

Command size = 72 bits = 9 bytes.

Subfield(s)

io_read_type: Read to I/O port or any memory address CAUTION: this command will cause excepti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

io_read_type conversion coefficients:

c0	c1	c2	c3

io_read_type discussion:

Read to I/O port or any memory address CAUTION: this command will cause excepti

io_read_addr: Read to I/O port or any memory address

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer				default	

io_read_addr conversion coefficients:

c0	c1	c2	c3

io_read_cksm: Read to I/O port or any memory address

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

io_read_cksm conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.221 sc sm rstcntrs****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Reset task TLM

Command Target

none

Format

opcode	
0x01	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.222 sc sm rsttblps****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Reset Table Operations

Command Target

none

Format

opcode	0x26		Command size = 8 bits = 1 bytes.
bit	0	7	

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.223 sc sm selscptbl****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Select Stored Command Processor Table

Command Target

none

Format

opcode		subfield(s)				Command size = 56 bits = 7 bytes.
0x20		table_id	from_image	commit_operation		
bit	07	823	2439	40	55	

Subfield(s)**table_id:** Select Stored Command Processor Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

table_id conversion coefficients:

c0	c1	c2	c3

from_image: Select Stored Command Processor Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	
					init	1
					active	2
					null	3

from_image conversion coefficients:

c0	c1	c2	c3

commit_operation: Select Stored Command Processor Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	5	8	default	7
					dump_only	5
					replace_init	6
					replace_active	7
					append_active	8

commit_operation conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.224 sc sm selsystbl****Packet Target Application Identifier**

sm, 0x06e, (110)

Description

Select System Table

Command Target

none

Format

opcode		subfield(s)					
0x21		table_id	from_image	commit_operation			
bit 0	7	8	23	24	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)**table_id:** Select System Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

table_id conversion coefficients:

c0	c1	c2	c3

from_image: Select System Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	
					init	1
					active	2
					null	3

from_image conversion coefficients:

c0	c1	c2	c3

commit_operation: Select System Table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	5	8	default	7
					dump_only	5
					replace_init	6
					replace_active	7
					append_active	8

commit_operation conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.225 sc sm wrteio

Packet Target Application Identifier

sm, 0x06e, (110)

Description

Write to I/O port or any memory address CAUTION: this command will cause excepti

Discussion

on and suspend SM if register or memory is not defined at the specified address and width!

Command Target

none

Format

opcode		subfield(s)				
0x07		io_write_type	io_write_addr	io_write_data	io_write_cksm	Command size = 104 bits = 13 bytes.
bit	0 7	8 23	24 55	56 87	88 103	

Command size = 104 bits = 13 bytes.

Subfield(s)**io_write_type:** Write to I/O port or any memory address CAUTION: this command will cause excepti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	0

io_write_type conversion coefficients:

c0	c1	c2	c3

io_write_type discussion:

Write to I/O port or any memory address CAUTION: this command will cause excepti

io_write_addr: Write to I/O port or any memory address CAUTION: this command will cause excepti

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

io_write_addr conversion coefficients:

c0	c1	c2	c3

io_write_addr discussion:

Write to I/O port or any memory address CAUTION: this command will cause excepti

io_write_data: Write to I/O port or any memory address CAUTION: this command will cause excepti

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

io_write_data conversion coefficients:

c0	c1	c2	c3

io_write_data discussion:

Write to I/O port or any memory address CAUTION: this command will cause excepti

io_write_cksm: Write to I/O port or any memory address CAUTION: this command will cause excepti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

io_write_cksm conversion coefficients:

c0	c1	c2	c3

io_write_cksm discussion:

Write to I/O port or any memory address CAUTION: this command will cause excepti

Safety Level

HAZARDOUS

Telemetry Verification**B.226 sc st1 andby****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

Telecommand Identifier

Command Target

none

Format

opcode	
0x06	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.227 sc st1 autoacq****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:auto_acq

Command Target

none

Format

bit	opcode		subfield(s)			
	0	7	8	8	9	9
	0x18		prop_vel	star_prop		

Command size = 10 bits = 1.25 bytes.

Subfield(s)**prop_vel:** st1:auto_acq

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PROP_VEL_ACC	0
					PROP_VEL	1

prop_vel conversion coefficients:

c0	c1	c2	c3

star_prop: st1:auto_acq

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PROP_OFF	0
					PROP_ON	1

star_prop conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.228 sc st1 autopoint****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:auto_point

Command Target

none

Format

opcode		subfield(s)									
0x1c		prop_vel	use_vv	sate_vv	es_vv	julian	aber	prec	star_prop	st1apntdatejul	
bit	0 7	8 8	9 9	10 10	11 11	12 12	13 13	14 14	15 15	16	47

Command size = 48 bits = 6 bytes.

Subfield(s)

prop_vel: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PROP_VEL_ACC	0
					PROP_VEL	1

prop_vel conversion coefficients:

c0	c1	c2	c3

use_vv: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					USE_VV_OFF	0
					USE_VV_ON	1

use_vv conversion coefficients:

c0	c1	c2	c3

sate_vv: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					SATE_VV_OFF	0
					SATE_VV_ON	1

sate_vv conversion coefficients:

c0	c1	c2	c3

es_vv: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					ES_VV_OFF	0
					ES_VV_ON	1

es_vv conversion coefficients:

c0	c1	c2	c3

julian: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					JULIAN_OFF	0
					JULIAN_ON	1

julian conversion coefficients:

c0	c1	c2	c3

aber: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					ABER_OFF	0
					ABER_ON	1

aber conversion coefficients:

c0	c1	c2	c3

prec: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PREC_OFF	0
					PREC_ON	1

prec conversion coefficients:

c0	c1	c2	c3

star_prop: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PROP_OFF	0
					PROP_ON	1

star_prop conversion coefficients:

c0	c1	c2	c3

st1apntdatejul: st1:auto_point

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	sec			default	

st1apntdatejul conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.229 sc st1 autotrack****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:auto_track

Command Target

none

Format

opcode		subfield(s)									
0x1a		use_vv	sate_vv	es_vv	julian	aber	prec	st1atrkdtejul	st1atrkdtevaltc	st1atrkwxvepre	
bit	0 7	8 8	9 9	10 10	11 11	12 12	13 13	14 45	46 77	78 109	

Command size = 430 bits = 53.75 bytes.

Subfield(s)**use_vv:** st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					USE_VV_OFF	0
					USE_VV_ON	1

use_vv conversion coefficients:

c0	c1	c2	c3

sate_vv: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					SATE_VV_OFF	0
					SATE_VV_ON	1

sate_vv conversion coefficients:

c0	c1	c2	c3

es_vv: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					ES_VV_OFF	0
					ES_VV_ON	1

es_vv conversion coefficients:

c0	c1	c2	c3

julian: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					JULIAN_OFF	0
					JULIAN_ON	1

julian conversion coefficients:

c0	c1	c2	c3

aber: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					ABER_OFF	0
					ABER_ON	1

aber conversion coefficients:

c0	c1	c2	c3

prec: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PREC_OFF	0
					PREC_ON	1

prec conversion coefficients:

c0	c1	c2	c3

st1atrkdtejul: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	sec			default	

st1atrkdtejul conversion coefficients:

c0	c1	c2	c3

st1atrkdtevaltc: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

st1atrkdtevaltc conversion coefficients:

c0	c1	c2	c3

st1atrkwxvepre: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1atrkwxvepre conversion coefficients:

c0	c1	c2	c3

st1atrkwvepre: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1atrkwvepre conversion coefficients:

c0	c1	c2	c3

st1atrkwzvepre: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1atrkwzvepre conversion coefficients:

c0	c1	c2	c3

st1atrkrvepre1: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	

st1atrkrvepre1 conversion coefficients:

c0	c1	c2	c3

st1atrkrvepre2: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	

st1atrkrvepre2 conversion coefficients:

c0	c1	c2	c3

st1atrkrvpre3: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	

st1atrkrvpre3 conversion coefficients:

c0	c1	c2	c3

st1atrkrvpre4: st1:auto_track

bits	type	eng units	min (dn)	max (dn)	state	value
64	float	any	-1	1	default	

st1atrkrvpre4 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.230 sc st1 catld****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:cat_load

Command Target

none

Format

opcode		subfield(s)				
0x0e		st1catldadrmem		st1_cat_ld_data1		
bit	0	7	8	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)**st1catldadrmem:** st1:cat_load

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any	67329140	67393149	default	

st1catldadrmem conversion coefficients:

c0	c1	c2	c3

st1_cat_ld_data1: st1:cat_load

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

st1_cat_ld_data1 conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.231 sc st1 characq****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

This command is used for characterization aquisition tests of STR at SODERN.

Command Target

none

Format

opcode		subfield(s)													
0x14		bin	st1_char_acq_ti	st1caracqneseuil	st1caracqxvecom	st1caracqyvecom	st1caracqzvecom	st1caracqi	st1caracqj	st1caracqk	st1caracql	st1caracqm	st1caracqn		
bit	0	7	8	8	9	24	25	40	41	72	73	104	105	136	137

Command size = 153 bits = 19.125 bytes.

Subfield(s)**bin:** This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					BIN_OFF	0
					BIN_ON	1

bin conversion coefficients:

c0	c1	c2	c3

st1_char_acq_ti: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	60000	default	

st1_char_acq_ti conversion coefficients:

c0	c1	c2	c3

st1caracqneseuil: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	40000	default	

st1caracqneseuil conversion coefficients:

c0	c1	c2	c3

st1caracqxeocom: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1caracqxeocom conversion coefficients:

c0	c1	c2	c3

st1caracqyvecom: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1caracqyvecom conversion coefficients:

c0	c1	c2	c3

st1caracqzvecom: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1caracqzvecom conversion coefficients:

c0	c1	c2	c3

st1caracqincerid: This command is used for characterization aquisition tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	5000	default	

st1caracqincerid conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.232 sc st1 chartrack

Packet Target Application Identifier

st1, 0x0a0, (160)

Description

This command is used for characterization tracking tests of STR at SODERN.

Command Target

none

Format

opcode		subfield(s)														
0x16		star_prop	bin	st1_char_trk_ti	st1cartrkneueil	st1cartrkwxvecom	st1cartrkwyvecom	st1cartrkwzvecom								
bit	0	7	8	8	9	9	10	25	26	41	42	73	74	105	106	13

Command size = 266 bits = 33.25 bytes.

Subfield(s)

star_prop: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					PROP_OFF	0
					PROP_ON	1

star_prop conversion coefficients:

c0	c1	c2	c3

bin: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					BIN_OFF	0
					BIN_ON	1

bin conversion coefficients:

c0	c1	c2	c3

st1_char_trk_ti: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	60000	default	

st1_char_trk_ti conversion coefficients:

c0	c1	c2	c3

st1cartrkneeuil: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	40000	default	

st1cartrkneeuil conversion coefficients:

c0	c1	c2	c3

st1cartrkwxvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1cartrkwxvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkwyvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1cartrkwyvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkwzvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-2	2	default	

st1cartrkwzvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkxvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1cartrkxvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkyvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1cartrkyvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkzvecom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
32	float	any	-1	1	default	

st1cartrkzvecom conversion coefficients:

c0	c1	c2	c3

st1cartrkmagcom: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any	-200	900	default	

st1cartrkmagcom conversion coefficients:

c0	c1	c2	c3

st1cartrkincerid: This command is used for characterization tracking tests of STR at SODERN.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	5000	default	

st1cartrkincerid conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.233 sc st1 crc

Packet Target Application Identifier

st1, 0x0a0, (160)

Description

CRC command

Command Target

none

Format

bit	opcode		subfield(s)			
	0	7	8	39	40	71
	0x24		st1_crc_adrmem	st1_crc_lngmem		

Command size = 72 bits = 9 bytes.

Subfield(s)

st1_crc_adrmem: CRC command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

st1_crc_adrmem conversion coefficients:

c0	c1	c2	c3

st1_crc_lngmem: CRC command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

st1_crc_lngmem conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.234 sc st1 eepromld****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:eeprom_load

Command Target

none

Format

opcode		subfield(s)	
0x10		st1_ee_ld_adrmem	st1_ee_ld_data1
bit	0 7	8 39	40 55

Command size = 56 bits = 7 bytes.

Subfield(s)**st1_ee_ld_adrmem:** st1:eeprom_load

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any	67327350	67328572	default	

st1_ee_ld_adrmem conversion coefficients:

c0	c1	c2	c3

st1_ee_ld_data1: st1:eeeprom_load

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

st1_ee_ld_data1 conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.235 sc st1 linearvel****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:linear_velocity

Command Target

none

Format

opcode		subfield(s)				Command size = 104 bits = 13 bytes.
0x20		st1_lin_vel_xc	st1_lin_vel_yc	st1_lin_vel_zc		
bit	0 7 8 39 40 71 72 103					

Subfield(s)**st1_lin_vel_xc:** st1:linear_velocity

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	any	-100000	100000	default	

st1_lin_vel_xc conversion coefficients:

c0	c1	c2	c3

st1_lin_vel_yc: st1:linear_velocity

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	any	-100000	100000	default	

st1_lin_vel_yc conversion coefficients:

c0	c1	c2	c3

st1_lin_vel_zc: st1:linear_velocity

bits	type	eng units	min (dn)	max (dn)	state	value
32	signed integer	any	-100000	100000	default	

st1_lin_vel_zc conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.236 sc st1 mdcode****Packet Target Application Identifier**

st1, 0x0a5, (165)

Description

mode code commands

Command Target

none

Format

opcode		subfield(s)	
0x02		st1_mode_code	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**st1_mode_code:** mode code commands

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					XMIT_STAT_WORD	45026
					INIT_SELF_TEST	45027
					INHIB_TERM_FLAG	45030
					OVER_TERM_FLAG	45031
					RESET_REM_TERM	45032
					XMIT_BIT_WORD	45043

st1_mode_code conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.237 sc st1 memld_dword****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

Loadgen issues a series of these commands following the st1 sc_memwrt command.

Command Target

none

Format

opcode		subfield(s)	
0x18a00000		data	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	32	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.238 sc st1 memld_word****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

Loadgen issues a series of these commands following the st1 sc_memwrt command.

Command Target

none

Format

opcode		subfield(s)	
0x18a0		data	
bit	0	7	8 23

Command size = 24 bits = 3 bytes.

Subfield(s)

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.239 sc st1 memread****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

The use of this command is only restricted to SODERN investigations

Command Target

none

Format

opcode		subfield(s)	
0x08		st1memreadadrmem	st1memreadlngmem
bit	0	7 8	39 40 55

Command size = 56 bits = 7 bytes.

Subfield(s)**st1memreadadrmem:** The use of this command is only restricted to SODERN investigations

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

st1memreadadrmem conversion coefficients:

c0	c1	c2	c3

st1memreadlngmem: The use of this command is only restricted to SODERN investigations

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	60	default	

st1memreadlmgmem conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.240 sc st1 memwrte****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:mem_write

Command Target

none

Format

opcode		subfield(s)	
0x0a		st1memwteadrmm	
bit	0	7	8
			39

Command size = 40 bits = 5 bytes.

Subfield(s)**st1memwteadrmm:** st1:mem_write

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

st1memwteadrmm conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.241 sc st1 memwrteonewrd****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:mem.write one word only

Command Target

none

Format

bit	opcode	
	0x0a	7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.242 sc st1 ramcalld****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:RAM_cal.load

Command Target

none

Format

bit	opcode		subfield(s)			
	0x26	7	8	39	40	55

Command size = 56 bits = 7 bytes.

Subfield(s)**st1ramcalldadr:** st1:RAM_cal.load

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any	518402	519624	default	

st1ramcalldadr conversion coefficients:

c0	c1	c2	c3

st1ramcallddata: st1:RAM_cal.load

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

st1ramcalldata conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.243 sc st1 ramchksum****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

st1:RAM_checksum

Command Target

none

Format

opcode	subfield(s)
0x28	st1ramcsumdata
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)**st1ramcsumdata:** st1:RAM_checksum

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

st1ramcsumdata conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.244 sc st1 rsttracker****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

This command is used to reset the STR by software.

Command Target

none

Format

opcode	0x2a		Command size = 8 bits = 1 bytes.
bit	0	7	

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.245 sc st1 slftst****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

Telecommand Identifier

Command Target

none

Format

opcode		subfield(s)		Command size = 24 bits = 3 bytes.
0x0c		st1_numtest		
bit	0	7	823	

Subfield(s)

st1_numtest: Telecommand Identifier

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					RUN_TEST_1	1
					RUN_TEST_2	2
					RUN_1_AND_2	3

st1_numtest conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.246 sc st1 temp****Packet Target Application Identifier**

st1, 0x0a0, (160)

Description

Temperature command

Command Target

none

Format

opcode		subfield(s)	
0x12		st1_temp_flag	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**st1_temp_flag:** Temperature command

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					AMBIENT	8
					VACUUM	9

st1_temp_flag conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.247 sc su bootcmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Boot Command

Command Target

none

Format

	opcode	subfield(s)	
	0x07	su_bootaddr	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)**su_bootaddr:** SU Boot Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_bootaddr conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.248 sc su booteeprom****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Boot EE Prom Command

Command Target

none

Format

	opcode	
	0x0a	
bit	0	7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.249 sc su clrtlmcmd

Packet Target Application Identifier

su, 0x0ca, (202)

Description

SU Clear Telemetry Command

Command Target

none

Format

bit	opcode	
	0x09	
	0	7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.250 sc su copyee2sram

Packet Target Application Identifier

su, 0x0ca, (202)

Description

SU EE to Sram Command

Command Target

none

Format

bit	opcode		subfield(s)					
	0x0b		eeepromaddr	sramaddr	wordcount			
	0	7	8	39	40	71	72	103

Command size = 104 bits = 13 bytes.

Subfield(s)

eeepromaddr: SU EE to Sram Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

eeepromaddr conversion coefficients:

c0	c1	c2	c3

sramaddr: SU EE to Sram Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

sramaddr conversion coefficients:

c0	c1	c2	c3

wordcount: SU EE to Sram Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

wordcount conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.251 sc su crccmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU CRC Command

Command Target

none

Format

bit	opcode		subfield(s)				
	0x06		su_crcstartaddr	su_crcbytecount			
	0	7	8	39	40	71	

Command size = 72 bits = 9 bytes.

Subfield(s)**su_crcstartaddr:** SU CRC Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_crcstartaddr conversion coefficients:

c0	c1	c2	c3

su_crcbytecount: SU CRC Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_crcbytecount conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.252 sc su dmprcmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Dump Command

Command Target

none

Format

opcode		subfield(s)	
0x01		su_dumpstartaddr	su_dumpwordcount
bit	0 7	8 39	40 71

Command size = 72 bits = 9 bytes.

Command size = 72 bits = 9 bytes.

Subfield(s)**su_dumpstartaddr:** SU Dump Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_dumpstartaddr conversion coefficients:

c0	c1	c2	c3

su_dumpwordcount: SU Dump Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_dumpwordcount conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.253 sc su jamseccmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Jam Seconds Command

Command Target

none

Format

opcode		subfield(s)	
0x08		su_jamseconds	
bit	0	7	39

Command size = 40 bits = 5 bytes.

Subfield(s)**su_jamseconds:** SU Jam Seconds Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_jamseconds conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.254 sc su ldmemcmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Load Memory Command

Command Target

none

Format

opcode		subfield(s)	
0x02		suldmemstartaddr	
bit	0 7 8 39	Command size = 40 bits = 5 bytes.	

Subfield(s)**suldmemstartaddr:** SU Load Memory Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

suldmemstartaddr conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.255 sc su memld_dword****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

Loadgen issues a series of these commands following the su sc_ldmemcmd command.

Command Target

none

Format

opcode		subfield(s)	
0x18ca0000		data	
bit	0 7 8 39	Command size = 40 bits = 5 bytes.	

Subfield(s)

data:	bits	type	eng units	min (dn)	max (dn)	state	value
	32	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.256 sc su memld_word****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

Loadgen issues a series of these commands following the su sc_ldmemcmd command.

Command Target

none

Format

opcode	subfield(s)
0x18ca	data
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer				default	

data conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.257 sc su peekcmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Peek Command

Command Target

none

Format

bit	opcode		subfield(s)			
	0	7	8	39	40	71
	0x03		su_peekstartaddr	su_peeksize		

Command size = 72 bits = 9 bytes.

Subfield(s)**su_peekstartaddr:** SU Peek Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_peekstartaddr conversion coefficients:

c0	c1	c2	c3

su_peeksize: SU Peek Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_peeksize conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.258 sc su pokecmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Poke Command

Command Target

none

Format

opcode		subfield(s)					
0x04		su_pokestartaddr	su_pokesize	su_pokedatawordl			
bit	0 7 8	39	40	71	72	103	

Command size = 104 bits = 13 bytes.

Subfield(s)**su_pokestartaddr:** SU Poke Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_pokestartaddr conversion coefficients:

c0	c1	c2	c3

su_pokesize: SU Poke Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_pokesize conversion coefficients:

c0	c1	c2	c3

su_pokedatawordl: SU Poke Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_pokedatawordl conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.259 sc su wrteepromcmd****Packet Target Application Identifier**

su, 0x0ca, (202)

Description

SU Write Eeprom Command

Command Target

none

Format

bit	opcode		subfield(s)							
	0	7	8	39	40	71	72	103	104	135
	0x05		su_wreeprombank	su_wreeoffset		su_wreefromaddr		su_wreebytecnt		

Command size = 136 bits
= 17 bytes.

Subfield(s)**su_wreeprombank:** SU Write Eeprom Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_wreeprombank conversion coefficients:

c0	c1	c2	c3

su_wreeoffset: SU Write Eeprom Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_wreeoffset conversion coefficients:

c0	c1	c2	c3

su_wreefromaddr: SU Write Eeprom Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_wreefromaddr conversion coefficients:

c0	c1	c2	c3

su_wreebytecnt: SU Write Eeprom Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

su_wreebytecnt conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.260 sc tc jamseconds

Packet Target Application Identifier

tc, 0x078, (120)

Description

TC Jam Seconds Command

Command Target

none

Format

	opcode	subfield(s)	
	0x01	seconds	Command size = 40 bits = 5 bytes.
bit	0	7	8 39

Subfield(s)

seconds: TC Jam Seconds Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

seconds conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.261 sc tc jamtmnow

Packet Target Application Identifier

tc, 0x078, (120)

Description

TC Jam Time Command

Command Target

none

Format

	opcode	subfield(s)	
	0x01	latency	Command size = 40 bits = 5 bytes.
bit	0	7	8 39

Subfield(s)**latency:** TC Jam Time Command

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

latency conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.262 sc tc rstcntrs****Packet Target Application Identifier**

tc, 0x078, (120)

Description

TC Reset Counters

Command Target

none

Format

	opcode	Command size = 8 bits = 1 bytes.
	0x07	
bit	0	7

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.263 sc tg clrtlmcntrs****Packet Target Application Identifier**

tg, 0x082, (130)

Description

Resets tlm counters to zero

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.264 sc tg dissuperpkt

Packet Target Application Identifier

tg, 0x082, (130)

Description

Stop the TG collection of the specified super packet, aligning collection with t

Discussion

he specified 10 Hz period, 0-9.

Command Target

none

Format

opcode		subfield(s)	
0x01		tg_pkt_number	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)

tg_pkt_number: Stop the TG collection of the specified super packet, aligning collection with t

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	0
					DNL	0
					SX	1
					LOOP_BACK_TST_S2	2

tg_pkt_number conversion coefficients:

c0	c1	c2	c3

tg_pkt_number discussion:

Stop the TG collection of the specified super packet, aligning collection with t

Safety Level

SAFE

Telemetry Verification**B.265 sc tg ensuperpkt****Packet Target Application Identifier**

tg, 0x082, (130)

Description

Start the TG collection of the specified super packet, aligning collection with

Discussion

the specified 10 Hz period, 0-9.

Command Target

none

Format

opcode		subfield(s)				
0x00		tg_pkt_number	tg_pkt_phase			
bit	0	7	8	23	24	39

Command size = 40 bits = 5 bytes.

Subfield(s)

tg_pkt_number: Start the TG collection of the specified super packet, aligning collection with

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	0
					DNL	0
					SX	1
					LOOP_BACK_TST_S2	2

tg_pkt_number conversion coefficients:

c0	c1	c2	c3

tg_pkt_number discussion:

Start the TG collection of the specified super packet, aligning collection with

tg_pkt_phase: Start the TG collection of the specified super packet, aligning collection with

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	0
					PHASE_0	0
					PHASE_1	1
					PHASE_2	2
					PHASE_3	3
					PHASE_4	4
					PHASE_5	5
					PHASE_6	6
					PHASE_7	7
					PHASE_8	8
					PHASE_9	9

tg_pkt_phase conversion coefficients:

c0	c1	c2	c3

tg_pkt_phase discussion:

Start the TG collection of the specified super packet, aligning collection with

Safety Level

SAFE

Telemetry Verification**B.266 sc to chngfltrtbl****Packet Target Application Identifier**

to, 0x087, (135)

Description

TO change filter table

Command Target

none

Format

opcode		subfield(s)		
0x05		filter_table		
bit	0	7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)**filter_table:** TO change filter table

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	8	default	

filter_table conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.267 sc to jamfltrfact****Packet Target Application Identifier**

to, 0x087, (135)

Description

This command modifies the filter for the specified AP Id in the current filter t

Discussion

able ('rate' of every 'range' packets, starting with 'offset')

Command Target

none

Format

bit	opcode		subfield(s)							
	0x0a		apid	range	rate	offset				
	0	7	8	23	24	39	40	55	56	71

Command size = 72 bits = 9 bytes.

Subfield(s)**apid:** This command modifies the filter for the specified AP Id in the current filter t

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

apid conversion coefficients:

c0	c1	c2	c3

apid discussion:

This command modifies the filter for the specified AP Id in the current filter t

range: This command modifies the filter for the specified AP Id in the current filter t

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any			default	

range conversion coefficients:

c0	c1	c2	c3

range discussion:

This command modifies the filter for the specified AP Id in the current filter t

rate: This command modifies the filter for the specified AP Id in the current filter t

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any			default	

rate conversion coefficients:

c0	c1	c2	c3

rate discussion:

This command modifies the filter for the specified AP Id in the current filter t

offset: This command modifies the filter for the specified AP Id in the current filter t

bits	type	eng units	min (dn)	max (dn)	state	value
16	signed integer	any			default	

offset conversion coefficients:

c0	c1	c2	c3

offset discussion:

This command modifies the filter for the specified AP Id in the current filter t

Safety Level

SAFE

Telemetry Verification

B.268 sc to rstcntrs**Packet Target Application Identifier**

to, 0x087, (135)

Description

This command resets the command_exec count and the command_error count to 0.

Command Target

none

Format

opcode	
0x06	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.269 sc to snddatatyppkt****Packet Target Application Identifier**

to, 0x087, (135)

Description

This command sends a data type packet in the house-keeping telemetry stream. Th

Discussion

is packet is used for determining byte ordering and type formatting for ground processing.

Command Target

none

Format

opcode	
0x07	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.270 sc to stoptelemetry

Packet Target Application Identifier

to, 0x087, (135)

Description

This command stops the telemetry

Command Target

none

Format

bit	opcode	
	0x02	
	0	7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.271 sc to sttelemetry

Packet Target Application Identifier

to, 0x087, (135)

Description

TO Start Telemetry

Command Target

none

Format

bit	opcode		subfield(s)			
	0x01		rate_com_index	filter_table		
	0	7	8	23	24	39

Command size = 40 bits = 5 bytes.

Subfield(s)

rate_com_index: TO Start Telemetry

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	1	default	

rate_com_index conversion coefficients:

c0	c1	c2	c3

filter_table: TO Start Telemetry

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	1	8	default	

filter_table conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.272 sc to swpfltrfact****Packet Target Application Identifier**

to, 0x087, (135)

Description

This command swaps the filter factors for the specified AP Ids in the current fi

Discussion

lter table.

Command Target

none

Format

bit	opcode		subfield(s)			
	0x0b		first_apid	second_apid		
0	7	8	23	24	39	

Command size = 40 bits = 5 bytes.

Subfield(s)**first_apid:** This command swaps the filter factors for the specified AP Ids in the current fi

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

first_apid conversion coefficients:

c0	c1	c2	c3

first.apid discussion:

This command swaps the filter factors for the specified AP Ids in the current fi

second.apid: This command swaps the filter factors for the specified AP Ids in the current fi

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

second.apid conversion coefficients:

c0	c1	c2	c3

second.apid discussion:

This command swaps the filter factors for the specified AP Ids in the current fi

Safety Level

SAFE

Telemetry Verification**B.273 sc tp dishtrctl****Packet Target Application Identifier**

tp, 0x08c, (140)

Description

Disable Selected Software Controlled Heaters

Command Target

none

Format

opcode	subfield(s)
0x00	heater
bit 0 7 8 23	

Command size = 24 bits = 3 bytes.

Subfield(s)

heater: Disable Selected Software Controlled Heaters

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					BATPRIOPERHTR	0
					BATREDOPERHTR	1
					STRPRIOPERHTR	2
					STRREDOPERHTR	3
					XCVROPERHTR	4
					RWZOPERHTR	5

heater conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification

B.274 sc tp enhtrctl

Packet Target Application Identifier

tp, 0x08c, (140)

Description

Enable Software Controlled Heaters

Command Target

none

Format

opcode	subfield(s)
0x01	heater

Command size = 24 bits = 3 bytes.

bit 0 7 8 23

Subfield(s)

heater: Enable Software Controlled Heaters

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					BATPRIOPERHTR	0
					BATREDOPERHTR	1
					STRPRIOPERHTR	2
					STRREDOPERHTR	3
					XCVROPERHTR	4
					RWZOPERHTR	5

heater conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.275 sc ts dis****Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command turns telemetry limit checking off. If telemetry checking is already off, it will stay on and command execution counter increments

Discussion

dy off, it will stay on and command execution counter increments

Command Target

none

Format

opcode	
0x02	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.276 sc ts dismonpoint****Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command disables an individual monitor point. If the monitor point is already disabled, the monitor point remains on and command execution counter increments.

Discussion

ady disable, the monitor point remains on and command execution counter increments.

Command Target

none

Format

opcode		subfield(s)	
0x06		data	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**data:** This command disables an individual monitor point. If the monitor point is already

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

data conversion coefficients:

c0	c1	c2	c3

data discussion:

This command disables an individual monitor point. If the monitor point is already

Safety Level

SAFE

Telemetry Verification**B.277 sc ts en****Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command turns telemetry limit checking on. If telemetry checking is already

Discussion

If already on, it will stay on and command execution counter increments

Command Target

none

Format

opcode	
0x01	
bit	0

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.278 sc ts enmonpoint****Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command enables an individual monitor point. This command does not override

Discussion

the watch mode or TS disable. If the monitor point is already enabled, the monitor point is already enabled, the monitor point remains on and command execution counter increments.

Command Target

none

Format

opcode		subfield(s)	
0x05		data	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

data: This command enables an individual monitor point. This command does not override

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

data conversion coefficients:

c0	c1	c2	c3

data discussion:

This command enables an individual monitor point. This command does not override

Safety Level

SAFE

Telemetry Verification

B.279 sc ts rstcntrs**Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command resets the command and error counters.

Discussion**Command Target**

none

Format

opcode	
0x08	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.280 sc ts rstmonpoint****Packet Target Application Identifier**

ts, 0x096, (150)

Description

This command resets the statistics and diagnostics (current threshold, consecuti

Discussion

ve count within threshold, Stored Command executed, limit checking enabled for monitor) to the Limit table values for one or all monitor points.

Command Target

none

Format

opcode		subfield(s)	
0x07		data	
bit	0 7	8	23

Command size = 24 bits = 3 bytes.

Subfield(s)

data: This command resets the statistics and diagnostics (current threshold, consecuti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

data conversion coefficients:

c0	c1	c2	c3

data discussion:

This command resets the statistics and diagnostics (current threshold, consecuti

Safety Level

SAFE

Telemetry Verification

B.281 sc ts watchmddis

Packet Target Application Identifier

ts, 0x096, (150)

Description

This command turns watch mode off. If watch mode is already off, watch mode sta

Discussion

ys off and command execution counter increments.

Command Target

none

Format

	opcode	Command size = 8 bits = 1 bytes.
	0x04	
bit	0 7	

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.282 sc ts watchmden

Packet Target Application Identifier

ts, 0x096, (150)

Description

This command puts TS into a watch mode. Telemetry is limit checked, statistics

Discussion

are generated, event messages are generated, however, stored commands are not executed in response to limit failures. If watch mode is already on, watch mode stays on and command execution counter increments.

Command Target

none

Format

opcode	
0x03	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.283 sc ul ceuncritoff

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Send HLP Command that turns off the the non-critical power to CEU Primary & Seco

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification**B.284 sc ul ceuncriton****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that turns on the the non-critical power to CEU Primary & Secon

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.285 sc ul ceuxmtrtlmmte****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that selects the transmitter telemetry for the other ceu.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS*

Telemetry Verification**B.286 sc ul ceuxmtrtlmslf****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that selects the transmitter telemetry for the current ceu.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.287 sc ul clruplrsttmr****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to enable UPL processor resets by setting the countdown timer t

Discussion

o zero.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.288 sc ul disapeeprom****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that disables Write to APE EEPROM

Command Target

none

Format

bit	opcode	
	0	7
	0x00	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.289 sc ul discnapeuproc****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that uses the extended HLP code field to disconnect the APE mic

Discussion

roprocessor.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.290 sc ul disobchlp****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Disable OBC-HLP Command Processing. Do not accept hlp commands issued from the

Discussion

obc.

Command Target

none

Format

opcode	
0x08	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.291 sc ul dmpmemory****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

Discussion

p packet will be filled with memory dump to the end of the UPL Tlm VCDU, even if the requested size is only one word. If the requested size is larger than the space available in the VCDU, then the memory dump will continue in subsequent VCDUs until the completion of the dump. If contingency mode is entered during a dump, the dump will be abandoned. If in contingency mode when the dump command is received, the UPL firmware will abort the dump and set an error code in the critical packet.

Command Target

none

Format

opcode		subfield(s)						
0x66		type	addr		size			
bit	0	7	8	23	24	55	56	71

Command size = 72 bits = 9 bytes.

Subfield(s)

type: ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					OPERAND	0
					INSTRUCTION	1

type conversion coefficients:

c0	c1	c2	c3

type discussion:

ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

addr: ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

addr conversion coefficients:

c0	c1	c2	c3

addr discussion:

ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

size: ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

size conversion coefficients:

c0	c1	c2	c3

size discussion:

ULC Memory Dump produces a dump packet for inclusion in an UPL tlm VCDU. The dum

Safety Level

SAFE

Telemetry Verification**B.292 sc ul enapeeprom****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that enables Write to APE EEPROM

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.293 sc ul enapesubaddr1****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that enables subaddress 1 for commanding the APE while in safeh

Discussion

old.

Command Target

none

Format

bit	opcode	
	0	7
	0x00	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.294 sc ul enobchlp****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Enable OBC-HLP Command Processing. The UPL will accept HLP commands from the OB

Discussion

C if the proper obc hlp mask bit is set.

Command Target

none

Format

bit	opcode	
	0	7
	0x07	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification

B.295 sc ul enobcwdtmon**Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Select or deselect the OBC Watchdog Monitor.

Command Target

none

Format

opcode		subfield(s)	
0x6c		obc_wdt_mon_en	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**obc_wdt_mon_en:** Select or deselect the OBC Watchdog Monitor.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					OFF	0
					ON	1

obc_wdt_mon_en conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.296 sc ul enpeg****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Select or deselect the Pegasus receiver.

Command Target

none

Format

opcode		subfield(s)	
0x65		pegasus_enable	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)

pegasus_enable: Select or deselect the Pegasus receiver.

bits	type	eng units	min (dn)	max (dn)	state	value
16	discrete state	any			default	
					OFF	0
					ON	1

pegasus_enable conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.297 sc ul genericapehlp****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Generic HLP command for APE control - Test command for 'negative' HLP command te

Discussion

sting.

Command Target

none

Format

opcode		subfield(s)	
0x00		hlp_code	
bit	0	7	12

Command size = 13 bits = 1.625 bytes.

Subfield(s)

hlp_code: Generic HLP command for APE control - Test command for 'negative' HLP command te

bits	type	eng units	min (dn)	max (dn)	state	value
5	unsigned integer	any			default	

hlp_code conversion coefficients:

c0	c1	c2	c3

hlp_code discussion:

Generic HLP command for APE control - Test command for 'negative' HLP command te

Safety Level

HAZARDOUS

Telemetry Verification**B.298 sc ul jamtm****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

This command sets the time in the Uplink firmware. If instead it is desired to s

Discussion

et the time in the uplink firmware to the OBC 1553 heartbeat, use the "ul:set_time_to_1553" command.

Command Target

none

Format

bit	opcode		subfield(s)			
	0	7	8	39	40	71
	0x64		secs	sub_secs	Command size = 72 bits = 9 bytes.	

Subfield(s)

secs: This command sets the time in the Uplink firmware. If instead it is desired to s

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

secs conversion coefficients:

c0	c1	c2	c3

secs discussion:

This command sets the time in the Uplink firmware. If instead it is desired to s

sub_secs: This command sets the time in the Uplink firmware. If instead it is desired to s

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

sub_secs conversion coefficients:

c0	c1	c2	c3

sub_secs discussion:

This command sets the time in the Uplink firmware. If instead it is desired to s

Safety Level

SAFE

Telemetry Verification

B.299 sc ul ldmemory

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

This is a Standard PCC command with the mem_addr and mem_data fields left as var

Discussion

iables. These are used to upload a single word to Uplink operand data at the specified address. The function code will be zero for the command.

Command Target

none

Format

	opcode		subfield(s)			
	0x00		mem_addr	mem_data		
bit	0	7	8	23	24	39

Command size = 40 bits = 5 bytes.

Subfield(s)

mem_addr: This is a Standard PCC command with the mem_addr and mem_data fields left as var

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

mem_addr conversion coefficients:

c0	c1	c2	c3

mem_addr discussion:

This is a Standard PCC command with the mem_addr and mem_data fields left as var

mem_data: This is a Standard PCC command with the mem_addr and mem_data fields left as var

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

mem_data conversion coefficients:

c0	c1	c2	c3

mem_data discussion:

This is a Standard PCC command with the mem_addr and mem_data fields left as var

Safety Level

HAZARDOUS

Telemetry Verification**B.300 sc ul localnoop****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

This is a noop command using the local pcc command format

Command Target

none

Format

opcode	
0x68	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.301 sc ul lvpspwraon**Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to turn on the LVPS power on A and off on B

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.302 sc ul lvpspwrbon****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to turn on the LVPS power on B and off on A.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification**

B.303 sc ul memoryld

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Load the specified data words into either Instruction or Operand memory.

Command Target

none

Format

opcode		subfield(s)									
0x6b	load_type	load_address	load_word_0	load_word_1	load_word_2	load_word_3	load_word_4	load_word_5	load_word_6	load_word_7	load_word_8
bit 0 7	8 8	9 40	41 56	57 72	73 88	89 104	105 120	121 136	137 152	153 168	169 184

Command size = 201 bits = 25.125 bytes.

Subfield(s)

load_type: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
1	discrete state	any			default	
					OPERAND	0
					INSTRUCTION	1

load_type conversion coefficients:

c0	c1	c2	c3

load_address: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any			default	

load_address conversion coefficients:

c0	c1	c2	c3

load_word_0: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_0 conversion coefficients:

c0	c1	c2	c3

load_word_1: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_1 conversion coefficients:

c0	c1	c2	c3

load_word_2: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_2 conversion coefficients:

c0	c1	c2	c3

load_word_3: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_3 conversion coefficients:

c0	c1	c2	c3

load_word_4: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_4 conversion coefficients:

c0	c1	c2	c3

load_word_5: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_5 conversion coefficients:

c0	c1	c2	c3

load_word_6: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_6 conversion coefficients:

c0	c1	c2	c3

load_word_7: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_7 conversion coefficients:

c0	c1	c2	c3

load_word_8: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_8 conversion coefficients:

c0	c1	c2	c3

load_word_9: Load the specified data words into either Instruction or Operand memory.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

load_word_9 conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.304 sc ul n5hzslfonmoff****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that turns on the 5Hz output on this ceu and turns off the 5Hz

Discussion

output on the other ceu.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.305 sc ul pcccmdtst****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Generic Standard PCC commnd

Command Target

none

Format

opcode		subfield(s)											
0x00		function_code	hlp_cmd	ccw_mask	ccw_data	mem_addr	mem_data	hlp_code	Command				
bit	0 7	8 15	16 31	32 47	48 63	64 79	80 95	96 100					

size = 101 bits = 12.625 bytes.

Subfield(s)**function_code:** Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
8	unsigned integer	any			default	

function_code conversion coefficients:

c0	c1	c2	c3

hlp_cmd: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

hlp_cmd conversion coefficients:

c0	c1	c2	c3

ccw_mask: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

ccw_mask conversion coefficients:

c0	c1	c2	c3

ccw_data: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

ccw_data conversion coefficients:

c0	c1	c2	c3

mem_addr: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

mem_addr conversion coefficients:

c0	c1	c2	c3

mem_data: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

mem_data conversion coefficients:

c0	c1	c2	c3

hlp_code: Generic Standard PCC commnd

bits	type	eng units	min (dn)	max (dn)	state	value
5	unsigned integer	any			default	

hlp_code conversion coefficients:

c0	c1	c2	c3

Safety Level

HAZARDOUS

Telemetry Verification**B.306 sc ul preaauxpwroff****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that turns off the auxillary power for pre A.

Command Target

none

Format

bit	opcode	
	0	7
	0x00	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.307 sc ul preauxpwron****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to turn on the auxillary power for both pre's.

Command Target

none

Format

bit	opcode	
	0	7
	0x00	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.308 sc ul prebauxpwroff****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to turn off the auxillary power to pre B.

Command Target

none

Format

bit	opcode	
	0	7
	0x00	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.309 sc ul preferchana****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Prefer Channel A. Accept commands from receiver one unless they are unsuccessful

Discussion

.

Command Target

none

Format

bit	opcode	
	0	7
	0x09	

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.310 sc ul preferchanb

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Prefer Channel B. Accept commands on receiver two unless they are unsuccessful.

Command Target

none

Format

opcode	
0x0a	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

SAFE

Telemetry Verification

B.311 sc ul rstape

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Send HLP Command to reset APE 69R000.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.312 sc ul rstlinkcrd

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Send HLP Command to reset the downlink card and playback interface.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.313 sc ul rstobc

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

Send HLP Command to pulse the OBC hard reset.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

B.314 sc ul rsttlmctrs**Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Reset the telemetry counters in the uplink processor telemetry.

Command Target

none

Format

opcode	
0x60	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.315 sc ul rstuplinkproc****Packet Target Application Identifier**

ul, 0x7ed, (2029)

Description

Reset the uplink processor. This command will be ignored if the uplink reset timer is not at zero.

Discussion

er is not at zero.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification

B.316 sc ul setccw

Packet Target Application Identifier

ul, 0x7f0, (2032)

Description

This is a Standard PCC command with the CCW mask and CCW data field left as opti

Discussion

ons. The function code will be zero.

Command Target

none

Format

opcode		subfield(s)	
0x00		ccw_mask	ccw_data
bit	0 7	8 23	24 39

Command size = 40 bits = 5 bytes.

Subfield(s)

ccw_mask: This is a Standard PCC command with the CCW mask and CCW data field left as opti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

ccw_mask conversion coefficients:

c0	c1	c2	c3

ccw_mask discussion:

This is a Standard PCC command with the CCW mask and CCW data field left as opti

ccw_data: This is a Standard PCC command with the CCW mask and CCW data field left as opti

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

ccw_data conversion coefficients:

c0	c1	c2	c3

ccw_data discussion:

This is a Standard PCC command with the CCW mask and CCW data field left as opti

Safety Level

HAZARDOUS

Telemetry Verification**B.317 sc ul setpllopnlp****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Open Time Phase Lock Loop (PLL) and set the frequency and fractional frequency i

Discussion

nstead of using the calculated value.

Command Target

none

Format

opcode	subfield(s)	
	freq	frac_freq
0x61	freq	frac_freq

Command size = 56 bits = 7 bytes.

bit 0 7 8 39 40 55

Subfield(s)

freq: Open Time Phase Lock Loop (PLL) and set the frequency and fractional frequency i

bits	type	eng units	min (dn)	max (dn)	state	value
32	unsigned integer	any	23426000	24574000	default	

freq conversion coefficients:

c0	c1	c2	c3

freq discussion:

Open Time Phase Lock Loop (PLL) and set the frequency and fractional frequency i

frac_freq: Open Time Phase Lock Loop (PLL) and set the frequency and fractional frequency i

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any	0	99	default	

frac.freq conversion coefficients:

c0	c1	c2	c3

frac.freq discussion:

Open Time Phase Lock Loop (PLL) and set the frequency and fractional frequency i

Safety Level

HAZARDOUS

Telemetry Verification**B.318 sc ul setsafehold****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to send the APE into Safehold Mode.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.319 sc ul settmtoobc****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

The command sets the time in the uplink firmware to the time in the seconds fiel

Discussion

d of the timestamp received from the OBC over the HSS1 interface. The subseconds are not utilized on the uplink card.

Command Target

none

Format

opcode	
0x63	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.320 sc ul setuplrsttmr****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Set HLP Command to disable UPL reset command by setting countdown timer to seven

Discussion

hours.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification

B.321 sc ul setvcrte**Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

This command sets the rate at which VCDUs are transmitted to the Downlink card.

Command Target

none

Format

opcode		subfield(s)	
0x69		vcd_u_rate	
bit	0	7	23

Command size = 24 bits = 3 bytes.

Subfield(s)**vcd_u_rate:** This command sets the rate at which VCDUs are transmitted to the Downlink card.

bits	type	eng units	min (dn)	max (dn)	state	value
16	unsigned integer	any			default	

vcd_u_rate conversion coefficients:

c0	c1	c2	c3

Safety Level

SAFE

Telemetry Verification**B.322 sc ul sofiecipsoff****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP command with HLP code = 20

Command Target

none

Format

opcode	
0x00	
bit	0

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

HAZARDOUS

Telemetry Verification**B.323 sc ul standardnoop****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

This is a Standard PCC command that performs no function other than to increment

Discussion

the command counters.

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level**

SAFE

Telemetry Verification**B.324 sc ul strtkoff****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP command with HLP code = 18

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.325 sc ul txcmdhirt_act****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP command with HLP code = 27

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.326 sc ul txcmdlort_act****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP cmd for: Txmtr Cmd Low Rate ON; delay 50mSec; Txmtr Cmd Low Rate OFF;

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.327 sc ul txcmdoff_act****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP command with HLP code = 24

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)**Safety Level***HAZARDOUS***Telemetry Verification****B.328 sc ul txcmdon_act****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

HLP command with HLP code = 23

Command Target

none

Format

opcode	
0x00	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level***HAZARDOUS***Telemetry Verification****B.329 sc ul warmbootobc****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command to warm boot the OBC board.

Command Target

none

Format

opcode	
0x00	
bit	0 7

 Command size = 8 bits = 1 bytes.**Subfield(s)****Safety Level***HAZARDOUS***Telemetry Verification****B.330 sc ul xmtrspwron****Packet Target Application Identifier**

ul, 0x7f0, (2032)

Description

Send HLP Command that powers txmtr primary ON & txmtr secondary ON

Command Target

none

Format

opcode	
0x00	
bit	0 7

Command size = 8 bits = 1 bytes.

Subfield(s)

Safety Level

HAZARDOUS

Telemetry Verification

C

Command Opcode Summary

Command Opcode Summary

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
1	1	0x7f0	0x00	sc ul rstlinkcrd (462)
2	2	0x7f0	0x00	sc ul ceuxmtrtlmslf (442)
3	3	0x7f0	0x00	sc ul disapeeprom (443)
4	4	0x7f0	0x00	sc ul txcmdlort_act (470)
5	5	0x7f0	0x00	sc ul clruplrsttmr (442)
6	6	0x7f0	0x00	sc ul discnapeuproc (443)
7	7	0x7f0	0x00	sc ul warmbootobc (472)
8	8	0x7f0	0x00	sc ul ceuncriton (441)
9	9	0x7f0	0x00	sc ul prebauxpwroff (459)
10	1	0x082	0x00	sc tg ensuperpkt (426)
11	1	0x7f0	0x00	sc ul rstape (461)
12	1	0x02d	0x00	sc di runtst (281)
13	1	0x08c	0x00	sc tp dishtctrl (433)
14	1	0x7f0	0x00	sc ul setccw (464)
15	2	0x7f0	0x00	sc ul lvspwrbon (453)
16	3	0x7f0	0x00	sc ul ceuncritoff (440)
17	4	0x7f0	0x00	sc ul n5hzslfonmoff (456)
18	5	0x7f0	0x00	sc ul strtkoff (469)
19	6	0x7f0	0x00	sc ul pcccmdtst (457)
20	7	0x7f0	0x00	sc ul rstobc (462)
21	8	0x7f0	0x00	sc ul standardnoop (469)
22	9	0x7f0	0x00	sc ul txcmdon_act (471)
23	1	0x7ed	0x00	sc ul rstuplinkproc (463)
24	1	0x7f0	0x00	sc ul enapesubaddr1 (446)
25	2	0x7f0	0x00	sc ul txcmdoff_act (471)
26	3	0x7f0	0x00	sc ul ldmemory (451)
27	4	0x7f0	0x00	sc ul genericapehlp (449)
28	5	0x7f0	0x00	sc ul setuplrsttmr (467)
29	6	0x7f0	0x00	sc ul enapeeprom (446)

C. COMMAND OPCODE SUMMARY

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
30	7	0x7f0	0x00	sc ul preaauxpwroff (458)
31	8	0x7f0	0x00	sc ul sofiecipsoff (468)
32	9	0x7f0	0x00	sc ul txcmdhirt_act (470)
33	10	0x7f0	0x00	sc ul lvspwraon (453)
34	11	0x7f0	0x00	sc ul ceuxmtrtlmmte (441)
35	12	0x7f0	0x00	sc ul preauxpwron (459)
36	13	0x7f0	0x00	sc ul setsafehold (466)
37	14	0x7f0	0x00	sc ul xmtrspwron (472)
38	1	0x0a0	0x01	sc pre sethdrmoff (350)
39	2	0x0a0	0x01	sc pre gcswitchoff (345)
40	1	0x05b	0x01	sc dl setrtrmodcfg (299)
41	2	0x05b	0x01	sc dl readhss2lpbak (284)
42	1	0x0a0	0x01	sc pre dis (342)
43	1	0x001	0x01	sc ac noop (201)
44	1	0x05b	0x01	sc dl wrtehss2lpbak (301)
45	1	0x08c	0x01	sc tp enhtrctl (434)
46	1	0x05b	0x01	sc dl setoptmodcfg (293)
47	1	0x05a	0x01	sc s1 ulenpegtst (358)
48	1	0x055	0x01	sc ms rstscrub (335)
49	1	0x0a0	0x01	sc pre setpwron (353)
50	1	0x078	0x01	sc tc jamseconds (423)
51	1	0x05b	0x01	sc dl setrndmdeflt (298)
52	1	0x05a	0x01	sc s1 clruplrsttmr (355)
53	1	0x0ca	0x01	sc su dmpcmd (416)
54	1	0x0a0	0x01	sc pre sethdrmon (351)
55	1	0x096	0x01	sc ts en (436)
56	1	0x05b	0x01	sc dl settxrate4k (300)
57	1	0x0a0	0x01	sc pre instinrtpwon (348)
58	1	0x05b	0x01	sc dl setceon (290)
59	1	0x06e	0x01	sc sm rstcntrs (385)
60	1	0x05b	0x01	sc dl rsthss2errf (286)
61	1	0x05a	0x01	sc s1 uldisobchlp (357)
62	1	0x078	0x01	sc tc jamtmnow (423)
63	1	0x0a0	0x01	sc pre dishisidesw (343)
64	1	0x05b	0x01	sc dl routingsel (285)
65	1	0x032	0x01	sc ds closeds (304)
66	1	0x0a0	0x01	sc pre gcswitchon (346)
67	1	0x05a	0x01	sc s1 ulsetvcrtetst (360)
68	2	0x05a	0x01	sc s1 ulenobchlp (357)
69	1	0x05b	0x01	sc dl setceoff (288)
70	2	0x05b	0x01	sc dl setrndmbytype (295)
71	1	0x05f	0x01	sc sb rsterrcnt (365)
72	1	0x0a0	0x01	sc pre enhisidesw (344)
73	1	0x05a	0x01	sc s1 ulrstapea (359)
74	1	0x05b	0x01	sc dl rsttrmoderrf (288)

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
75	2	0x05b	0x01	sc dl setlrrate20m (292)
76	1	0x01e	0x01	sc an rsttskalarms (228)
77	1	0x0a0	0x01	sc pre instintrpwoff (347)
78	1	0x02d	0x01	sc di rsttelemetry (281)
79	1	0x082	0x01	sc tg dissuperpkt (425)
80	1	0x064	0x01	sc sc stats (368)
81	1	0x087	0x01	sc to sttelemetry (431)
82	1	0x05b	0x01	sc dl rstoptmoderrf (287)
83	1	0x05a	0x01	sc s1 setuplrsttmr (356)
84	1	0x0a0	0x01	sc pre rstswitchcrd (349)
85	1	0x05a	0x01	sc s1 ulsetploplnlp (359)
86	1	0x0a0	0x01	sc pre setpwroff (352)
87	1	0x028	0x01	sc cs rst (279)
88	1	0x0a0	0x01	sc pre en (344)
89	2	0x0a0	0x02	sc aep dissenctl (210)
90	3	0x0a0	0x02	sc ape invalidcmdtst (249)
91	4	0x0a0	0x02	sc ape abortlddmp (228)
92	1	0x0a5	0x02	sc st1 mdcode (405)
93	1	0x0a0	0x02	sc ape acdistamfdc (232)
94	2	0x0a0	0x02	sc ape wrteiospace (270)
95	3	0x0a0	0x02	sc ape acrststats (240)
96	1	0x01e	0x02	sc an gdsinitialize (220)
97	1	0x0a0	0x02	sc ape acdiscssfdc (229)
98	2	0x0a0	0x02	sc ape suspendtsk (268)
99	3	0x0a0	0x02	sc ape dtbl (243)
100	4	0x0a0	0x02	sc ape acdisrwafdc (231)
101	5	0x0a0	0x02	sc ape acinitprociru (238)
102	1	0x028	0x02	sc cs enall (274)
103	1	0x082	0x02	sc tg clrtlmcntrs (424)
104	1	0x0a0	0x02	sc ape acinitproccss (238)
105	1	0x055	0x02	sc ms restscrub (335)
106	1	0x0a0	0x02	sc ape dmpmemory (242)
107	2	0x0a0	0x02	sc ape stopdwell (267)
108	3	0x0a0	0x02	sc ape modcodechksum (258)
109	4	0x0a0	0x02	sc ape acencssfdc (233)
110	5	0x0a0	0x02	sc ape reldringbuf (264)
111	6	0x0a0	0x02	sc ape acdisallfdc (229)
112	7	0x0a0	0x02	sc ape acdismtbfdc (231)
113	8	0x0a0	0x02	sc ape acinitall (237)
114	9	0x0a0	0x02	sc ape resumetsk (264)
115	10	0x0a0	0x02	sc aep disalgctl (209)
116	11	0x0a0	0x02	sc aep enalgctl (211)
117	1	0x001	0x02	sc ac rststats (202)
118	1	0x0a0	0x02	sc ape acdisirufdc (230)
119	2	0x0a0	0x02	sc ape entersafehold (244)

C. COMMAND OPCODE SUMMARY

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
120	3	0x0a0	0x02	sc ape acenirufdc (234)
121	1	0x0ca	0x02	sc su ldmemcmd (417)
122	1	0x032	0x02	sc ds relbyds (308)
123	1	0x0a0	0x02	sc ape acinitproctam (240)
124	2	0x0a0	0x02	sc ape acentamfdc (236)
125	3	0x0a0	0x02	sc ape acenrwafdc (235)
126	4	0x0a0	0x02	sc ape stdwell (266)
127	5	0x0a0	0x02	sc ape readiospace (263)
128	6	0x0a0	0x02	sc ape exitsafehold (245)
129	7	0x0a0	0x02	sc ape ldtbl (253)
130	1	0x064	0x02	sc sc stopats (368)
131	1	0x013	0x02	sc pg rsttln (341)
132	1	0x0a0	0x02	sc ape ldmemory (250)
133	2	0x0a0	0x02	sc ape cntlchksum (241)
134	1	0x096	0x02	sc ts dis (435)
135	1	0x0a0	0x02	sc ape getchksum (245)
136	2	0x0a0	0x02	sc aep ensenctl (212)
137	3	0x0a0	0x02	sc ape acinit (236)
138	4	0x0a0	0x02	sc ape acenallfdc (232)
139	5	0x0a0	0x02	sc ape acinitprocrwa (239)
140	6	0x0a0	0x02	sc ape acenfdc (233)
141	7	0x0a0	0x02	sc ape inittsk (247)
142	1	0x087	0x02	sc to stop telemetry (431)
143	1	0x0a0	0x02	sc aep rstshcderr (213)
144	1	0x06e	0x02	sc sm memdwellen (381)
145	1	0x0a0	0x02	sc ape acenmtbfdc (235)
146	2	0x0a0	0x02	sc ape noop (262)
147	3	0x0a0	0x02	sc ape modmemory (261)
148	4	0x0a0	0x02	sc ape acinitprocmtn (239)
149	5	0x0a0	0x02	sc ape moddatachksum (260)
150	6	0x0a0	0x02	sc ape acdisfdc (230)
151	1	0x06e	0x03	sc sm memdwelldis (380)
152	1	0x001	0x03	sc ac initfsw (195)
153	1	0x096	0x03	sc ts watchmden (440)
154	1	0x01e	0x03	sc an gdsrst (225)
155	1	0x032	0x03	sc ds relbyseqnum (309)
156	1	0x064	0x03	sc sc strts (370)
157	1	0x05f	0x03	sc sb enseqmon (364)
158	1	0x013	0x03	sc pg dispegtlmpoc (336)
159	1	0x05a	0x03	sc s1 rsttln (356)
160	1	0x028	0x03	sc cs disall (271)
161	1	0x0ca	0x03	sc su peekcmd (419)
162	1	0x05b	0x03	sc s2 rsttln (361)
163	1	0x055	0x03	sc ms disscrub (334)
164	1	0x013	0x04	sc pg enpegtlmpoc (337)

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
165	1	0x001	0x04	sc ac encssfdc (189)
166	1	0x0a0	0x04	sc ape ldmemorydata (252)
167	1	0x0ca	0x04	sc su pokecmd (420)
168	1	0x06e	0x04	sc sm abortdmp (371)
169	1	0x055	0x04	sc ms enscrib (334)
170	1	0x05f	0x04	sc sb disseqmon (363)
171	1	0x028	0x04	sc cs encode (274)
172	1	0x064	0x04	sc sc stoprts (369)
173	1	0x096	0x04	sc ts watchmddis (439)
174	1	0x01e	0x05	sc an gdssetfdiroff (225)
175	1	0x0a0	0x05	sc ape ldtbldata (253)
176	1	0x096	0x05	sc ts enmonpoint (437)
177	1	0x028	0x05	sc cs discode (272)
178	1	0x001	0x05	sc ac enmtbfdc (192)
179	1	0x032	0x05	sc ds stpbk (312)
180	1	0x05f	0x05	sc sb endest (363)
181	1	0x087	0x05	sc to chngfltrtbl (427)
182	1	0x01e	0x05	sc an gdssetfdiron (226)
183	1	0x0ca	0x05	sc su wrteeepromcmd (421)
184	1	0x064	0x05	sc sc disrts (365)
185	1	0x0ca	0x06	sc su crccmd (415)
186	1	0x013	0x06	sc pg sndpegsbuf (341)
187	1	0x001	0x06	sc ac enrwafer (193)
188	1	0x064	0x06	sc sc enrts (366)
189	1	0x05f	0x06	sc sb disdest (362)
190	1	0x02d	0x06	sc di simmumsg (282)
191	1	0x0a0	0x06	sc st1 andby (390)
192	1	0x032	0x06	sc ds abortpbk (303)
193	1	0x087	0x06	sc to rstcntrs (430)
194	1	0x096	0x06	sc ts dismonpoint (435)
195	1	0x06e	0x06	sc sm readio (384)
196	1	0x028	0x06	sc cs enstatic (275)
197	1	0x06e	0x07	sc sm wrteio (388)
198	1	0x028	0x07	sc cs disstatic (273)
199	1	0x041	0x07	sc hs rstcntrs (333)
200	1	0x013	0x07	sc pg ensvlpbak (338)
201	1	0x0ca	0x07	sc su bootcmd (412)
202	1	0x7f0	0x07	sc ul enobchlp (447)
203	1	0x064	0x07	sc sc switchats (370)
204	1	0x032	0x07	sc ds stcontpbk (311)
205	1	0x01e	0x07	sc an gdsldorbit (221)
206	1	0x078	0x07	sc tc rstcntrs (424)
207	1	0x087	0x07	sc to snddatatyppkt (430)
208	1	0x096	0x07	sc ts rstmonpoint (438)
209	1	0x001	0x07	sc ac enirufdc (191)

C. COMMAND OPCODE SUMMARY

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
210	1	0x02d	0x07	sc di enmsg (280)
211	1	0x01e	0x08	sc an gdssetmmxchk (226)
212	1	0x0a0	0x08	sc st1 memread (407)
213	1	0x064	0x08	sc sc jumpats (366)
214	1	0x028	0x08	sc cs eneep (275)
215	1	0x096	0x08	sc ts rstcntrs (438)
216	1	0x05a	0x08	sc s1 rst (355)
217	1	0x001	0x08	sc ac enst1fdc (194)
218	1	0x041	0x08	sc hs chngsndrate (332)
219	1	0x0ca	0x08	sc su jamseccmd (417)
220	1	0x013	0x08	sc pg dissvlpbak (337)
221	1	0x7f0	0x08	sc ul disobchlp (444)
222	1	0x05b	0x08	sc s2 rst (361)
223	1	0x028	0x09	sc cs diseep (272)
224	1	0x032	0x09	sc ds strtxbyds (313)
225	1	0x013	0x09	sc pg chgmaxn (336)
226	1	0x7f0	0x09	sc ul preferchana (460)
227	1	0x064	0x09	sc sc rstcntrs (367)
228	1	0x01e	0x09	sc an gdsrefalldtbl (223)
229	1	0x0ca	0x09	sc su clrtlmcmd (414)
230	1	0x013	0x0a	sc pg noop (338)
231	1	0x01e	0x0a	sc an gdsrefseldtbl (224)
232	1	0x087	0x0a	sc to jamfltrfact (428)
233	1	0x001	0x0a	sc ac entamfdc (194)
234	1	0x7f0	0x0a	sc ul preferchanb (461)
235	1	0x0a0	0x0a	sc st1 memwrte (408)
236	1	0x032	0x0a	sc ds strtxbyseqnum (314)
237	1	0x0a0	0x0a	sc st1 memwrteonewrd (408)
238	1	0x028	0x0a	sc cs recallcode (276)
239	1	0x0ca	0x0a	sc su booteeprom (413)
240	2	0x0ca	0x0b	sc su copyee2sram (414)
241	1	0x032	0x0b	sc ds endataoverw (307)
242	1	0x028	0x0b	sc cs recallstatic (277)
243	1	0x087	0x0b	sc to swpfltrfact (432)
244	1	0x013	0x0b	sc pg rstpg200errcn (339)
245	1	0x028	0x0c	sc cs recalleep (276)
246	1	0x01e	0x0c	sc an engdshktlm (217)
247	1	0x032	0x0c	sc ds disdataoverw (305)
248	1	0x013	0x0c	sc pg rstpg201errcn (339)
249	1	0x001	0x0c	sc ac engblfdc (191)
250	1	0x0a0	0x0c	sc st1 slftst (411)
251	1	0x01e	0x0d	sc an disgdshktlm (214)
252	1	0x013	0x0d	sc pg rstpg202errcn (340)
253	1	0x001	0x0d	sc ac selmd (206)
254	2	0x001	0x0e	sc ac seltarget (208)

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
255	1	0x013	0x0e	sc pg rstpg203errcn (340)
256	1	0x032	0x0e	sc ds dmpeventbuf (306)
257	1	0x0a0	0x0e	sc st1 catld (397)
258	1	0x028	0x0e	sc cs recstaticsect (278)
259	2	0x028	0x0f	sc cs receepsect (277)
260	1	0x001	0x0f	sc ac rwagroundcntl (203)
261	1	0x032	0x0f	sc ds abortdmp (302)
262	1	0x001	0x10	sc ac mtbgroundcntl (200)
263	1	0x032	0x10	sc ds chngfltrtbl (304)
264	1	0x0a0	0x10	sc st1 eepromld (403)
265	1	0x06e	0x10	sc sm memld (381)
266	1	0x032	0x11	sc ds rstcntrs (310)
267	1	0x06e	0x11	sc sm copymemory (372)
268	1	0x0a0	0x12	sc st1 temp (412)
269	1	0x06e	0x12	sc sm getcrc (376)
270	1	0x001	0x12	sc ac rwaspeedcmd (203)
271	2	0x001	0x13	sc ac rwatorquecmd (205)
272	1	0x06e	0x13	sc sm dmpmemory (374)
273	1	0x001	0x14	sc ac mtbcurrentcmd (196)
274	1	0x032	0x14	sc ds pausepbk (307)
275	1	0x0a0	0x14	sc st1 characq (398)
276	1	0x06e	0x14	sc sm lduninttoram (380)
277	1	0x01e	0x14	sc an engdsecfj2kt (217)
278	1	0x001	0x15	sc ac eneclipse (190)
279	1	0x01e	0x15	sc an disgdsecfj2kt (213)
280	1	0x032	0x15	sc ds resumepbk (310)
281	1	0x06e	0x15	sc sm dmpinevent (373)
282	1	0x0a0	0x16	sc st1 chartrack (400)
283	1	0x001	0x16	sc ac rstfov (202)
284	1	0x01e	0x16	sc an engdssmpost (218)
285	2	0x01e	0x17	sc an disgdssmpost (214)
286	1	0x001	0x17	sc ac mtbdipolecmd (198)
287	1	0x0a0	0x18	sc st1 autoacq (390)
288	1	0x01e	0x18	sc an enorbittlm (219)
289	2	0x01e	0x19	sc an disorbittlm (215)
290	3	0x01e	0x1a	sc an enmagfldtlm (218)
291	1	0x0a0	0x1a	sc st1 autotrack (394)
292	1	0x01e	0x1b	sc an dismagfldtlm (215)
293	2	0x01e	0x1c	sc an ensmeceftlm (219)
294	1	0x0a0	0x1c	sc st1 autopoint (391)
295	1	0x01e	0x1d	sc an dissmeceftlm (216)
296	1	0x0a0	0x20	sc st1 linearvel (404)
297	1	0x06e	0x20	sc sm selscptbl (386)
298	2	0x06e	0x21	sc sm selsystbl (387)
299	3	0x06e	0x22	sc sm ldtbl (377)

C. COMMAND OPCODE SUMMARY

Command Opcode Summary, cont'd

cmd ref.	apid ref.	apid (hex)	opcode (hex)	command
300	4	0x06e	0x23	sc sm dtbl (375)
301	1	0x01e	0x24	sc an entskdiagtlm (220)
302	1	0x0a0	0x24	sc st1 crc (402)
303	1	0x06e	0x25	sc sm cmttbl (371)
304	1	0x01e	0x25	sc an distskdiagtlm (216)
305	2	0x01e	0x26	sc an gdsinittoef (221)
306	1	0x06e	0x26	sc sm rsttblps (385)
307	1	0x0a0	0x26	sc st1 ramcalld (409)
308	2	0x0a0	0x28	sc st1 ramchksum (410)
309	3	0x0a0	0x2a	sc st1 rsttracker (410)
310	1	0x7f0	0x60	sc ul rstlmctrs (463)
311	2	0x7f0	0x61	sc ul setpllopnlp (465)
312	3	0x7f0	0x63	sc ul settmtoobc (466)
313	4	0x7f0	0x64	sc ul jamtm (450)
314	5	0x7f0	0x65	sc ul enpeg (448)
315	6	0x7f0	0x66	sc ul dmpmemory (444)
316	7	0x7f0	0x68	sc ul localnoop (452)
317	8	0x7f0	0x69	sc ul setvcrt (468)
318	9	0x7f0	0x6b	sc ul memoryld (454)
319	10	0x7f0	0x6c	sc ul enobcwdtmon (448)
320	1	0x06e	0x186e	sc sm memld_word (383)
321	2	0x06e	0x186e	sc sm lduninramword (379)
322	3	0x06e	0x186e	sc sm ldtbl_word (378)
323	1	0x0a0	0x18a0	sc ape ldmem_word (250)
324	2	0x0a0	0x18a0	sc st1 memld_word (406)
325	1	0x0ca	0x18ca	sc su memld_word (419)
326	1	0x06e	0x186e0000	sc sm ldtbl_dword (378)
327	2	0x06e	0x186e0000	sc sm memld_dword (382)
328	1	0x0a0	0x18a00000	sc ape ldmem_dword (249)
329	2	0x0a0	0x18a00000	sc st1 memld_dword (406)
330	1	0x0ca	0x18ca0000	sc su memld_dword (418)

D

Command Packet Summary

Command Packet Summary

pkt no.	apid (hex)	packet
1	0x001	ac
2	0x064	sc
3	0x06e	sm
4	0x078	tc
5	0x082	tg
6	0x087	to
7	0x08c	tp
8	0x096	ts
9	0x0a0	ape
10	0x0a5	st1
11	0x013	pg
12	0x0ca	su
13	0x7ed	ul
14	0x7f0	ul
15	0x01e	an
16	0x028	cs
17	0x02d	di
18	0x032	ds
19	0x041	hs
20	0x055	ms
21	0x05a	s1
22	0x05b	s2
23	0x05f	sb

D. COMMAND PACKET SUMMARY

E

Telemetry Measurement List

OASIS-CC/FSW database version TBD, Thu Apr 6 15:55:40 2006.

E.1 aac aacstatussp13

Description

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.2 aac aacstatussp15

Description

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.3 aac aacstatusp20

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.4 aac aacstatusp21

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.5 aac aacstatusp22

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.6 aac aacstatusp23

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.7 aac aacstatusp300

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.8 aac aacstatusp301

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.9 aac aacstatusp302**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.10 aac aacstatusp303**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.11 aac aacstatusp304**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.12 aac aacstatusp305

Description

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.13 aac aacstatusp4

Description

spare

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.14 aac aacstatusp63

Description

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.15 aac aacstatusp64

Description

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.16 aac aperbfstmsgerr

Description

Ape Ring Buffer Fast Packet Error Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	10
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.17 aac aperbfstmsgok

Description

ACS Ring Buffer Fast Telemetry Receive Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.18 aac aperbslwmsgerr**Description**

Ape Ring Buffer Slow Packet Error Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	10
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.19 aac aperbslwmsgok**Description**

ACS Ring Buffer Slow Telemetry Receive Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.20 aac bfdestqbd0

Description

AAC Task: Estimated Quiescent Bfield; Body Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.21 aac bfdestqbd1

Description

AAC Task: Estimated Quiescent Bfield; Body Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.22 aac bfdestqbd2**Description**

AAC Task: Estimated Quiescent Bfield; Body Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.23 aac bfielddesttam0

Description

AAC Task: Estimated Tam Bfield; Tam Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.24 aac bfielddesttam1

Description

AAC Task: Estimated Tam Bfield; Tam Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.25 aac bfieldesttam2**Description**

AAC Task: Estimated Tam Bfield; Tam Frame

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.26 aac css1celltesttlm**Description**

Css1CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.27 aac css1curtsttlm**Description**

AAC Task: CSS1 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.28 aac css1dtavld**Description**

AAC Task: Valid CSS1 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.29 aac css2celltesttlm**Description**

Css2CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.30 aac css2curtsttlm**Description**

AAC Task: CSS2 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.31 aac css2dtavld**Description**

AAC Task: Valid CSS2 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.32 aac css3celltesttlm**Description**

Css3CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.33 aac css3curtsttlm**Description**

AAC Task: CSS3 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.34 aac css3dtavld**Description**

AAC Task: Valid CSS3 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.35 aac css4celltesttlm**Description**

Css4CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.36 aac css4curtsttlm**Description**

AAC Task: CSS4 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.37 aac css4dtavld**Description**

AAC Task: Valid CSS4 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.38 aac css5celltesttlm**Description**

Css5CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.39 aac css5curtsttlm**Description**

AAC Task: CSS5 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.40 aac css5dtavld**Description**

AAC Task: Valid CSS5 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.41 aac css6celltesttlm**Description**

Css6CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.42 aac css6curtsttlm**Description**

AAC Task: CSS6 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.43 aac css6dtavld**Description**

AAC Task: Valid CSS6 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.44 aac css7celltesttlm**Description**

Css7CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.45 aac css7curtsttlm**Description**

AAC Task: CSS7 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.46 aac css7dtavld**Description**

AAC Task: Valid CSS7 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.47 aac css8celltesttlm**Description**

Css8CellTestTlm

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.48 aac css8curtsttlm**Description**

AAC Task: CSS8 FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.49 aac css8dtavld**Description**

AAC Task: Valid CSS8 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.50 aac csscurraw0**Description**

AAC Task: CSS1 Raw Current cnt, 0.1mA

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.51 aac csscurraw1**Description**

AAC Task: CSS2 Raw Current cnt, 0.1mA

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.52 aac csscurraw2**Description**

AAC Task: CSS3 Raw Current cnt, 0.1mA

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.53 aac csscurraw3**Description**

AAC Task: CSS4 Raw Current cnt. 0.1mA/cnt

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.54 aac csscurraw4**Description**

AAC Task: CSS5 Raw Current cnt, 0.1mA/cnt

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.55 aac csscurraw5**Description**

AAC Task: CSS6 Raw Current cnt, 0.1mA/cnt

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.56 aac csscurraw6**Description**

AAC Task: CSS7 Raw Current cnt, 0.1mA/cnt

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.57 aac csscurraw7**Description**

AAC Task: CSS8 Raw Current cnt, 0.1mA/cnt

Data Type

16 bits, signed integer, engineering units = a.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209999993443489
yellow high	0.209999993443489
yellow low	-0.00249999994412065
red low	-0.00249999994412065
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.58 aac hws**Description**

Header Info: High Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.59 aac hwss**Description**

Header Info: High Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.60 aac iru1ch1ratetst**Description**

IRU FDC Status Iru1 Chan1 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.61 aac iru1ch1statictst**Description**

IRU FDC Status Iru1 chan1 static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.62 aac iru1ch2ratetst

Description

IRU FDC Status Iru1 chan2 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.63 aac iru1ch2statictst

Description

IRU FDC Status Iru1 chan2 static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.64 aac iru1datavalid

Description

AAC_IRU__FDC_Status Iru1DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.65 aac iru1motorcurrst**Description**

IRU FDC Status Iru1 motor current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.66 aac iru1temptst**Description**

IRU FDC Status Iru1 Temp Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.67 aac iru2ch1ratetst**Description**

IRU FDC Status Iru2 chan1 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.68 aac iru2ch1statictst**Description**

IRU FDC Status Iru2 chan1static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.69 aac iru2ch2ratetst

Description

IRU FDC Status Iru2 chan2 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.70 aac iru2ch2statictst

Description

IRU FDC Status Iru2 chan2 static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.71 aac iru2datavalid

Description

AAC_IRU__FDC_Status Iru2DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.72 aac iru2motorcurrst**Description**

IRU FDC Status Iru2 motor current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.73 aac iru2temptst**Description**

IRU FDC Status Iru2 Temp Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.74 aac iru3ch1ratetst**Description**

IRU FDC Status Iru3 chan1 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.75 aac iru3ch1statictst**Description**

IRU FDC Status Iru3 chan1 static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.76 aac iru3ch2ratetst

Description

IRU FDC Status Iru3 chan2 rate Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.77 aac iru3ch2statictst

Description

IRU FDC Status Iru3 chan2 static Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.78 aac iru3datavalid

Description

AAC_IRU__FDC_Status Iru3DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.79 aac iru3motorcurrst**Description**

IRU FDC Status Iru3 motor current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.80 aac iru3temptst**Description**

IRU FDC Status Iru3 Temp Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.81 aac iruffdcen**Description**

IruFlags Flag To Enable FDC

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.82 aac irufnumpwred**Description**

IruFlags NumOfIruPowered

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.83 aac irufpktinv

Description

IruFlags PacketInvalid (flag not used on AIM)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.84 aac irufpntfault

Description

IruFlags PersistentFault (flag not used on AIM)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.85 aac irufstupdtv

Description

IruFlags StartupDataValid (flag not used on AIM)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.86 aac irufxdtfound**Description**

IruFlags Xdata_found (flag not used on AIM)

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
NoXData	0	CAUTION
XDataUpdate	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.87 aac irufydtfound**Description**

IruFlags Ydata_found (flag not used on AIM)

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
NoYData	0	CAUTION
YDataUpdate	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.88 aac irufzdtfound**Description**

IruFlags Zdata_found (flag not used on AIM)

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
NoZData	0	CAUTION
ZDataUpdate	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.89 aac irurawct00**Description**

AAC Task: IruRawCnt IRU1 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.90 aac irurawct01**Description**

AAC Task: IruRawCnt IRU1 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.91 aac irurawct10**Description**

AAC Task: IruRawCnt IRU2 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.92 aac irurawct11**Description**

AAC Task: IruRawCnt IRU2 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.93 aac irurawct20**Description**

AAC Task: IruRawCnt IRU3 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.94 aac irurawct21****Description**

AAC Task: IruRawCnt IRU3 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.95 aac irurawdtact00****Description**

AAC IRU raw delta count IRU1 Chan1

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.96 aac irurawdtact01****Description**

AAC IRU raw delta count IRU1 Chan2

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)**

E.97 aac irurawdtact10**Description**

AAC IRU raw delta count IRU2 Chan1

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.98 aac irurawdtact11**Description**

AAC IRU raw delta count IRU2 Chan2

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.99 aac irurawdtact20**Description**

AAC IRU raw delta count IRU3 Chan1

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.100 aac irurawdtact21**Description**

AAC IRU raw delta count IRU3 Chan2

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.101 aac lws**Description**

Header Info: Low Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.102 aac lwss**Description**

Header Info: Low Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.103 aac msgcounter**Description**

MsgCounter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.104 aac msgnum0**Description**

MsgNum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.105 aac msgnum1**Description**

MsgNum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.106 aac msgnum2**Description**

MsgNum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.107 aac msgnum3**Description**

MsgNum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.108 aac msgnum4**Description**

MsgNum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.109 aac mtbcmdctrm0**Description**

AAC Task: Mtb Dipole Command Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.110 aac mtbcmdctrm1**Description**

AAC Task: Mtb Dipole Command Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.111 aac mtbcmdctrm2**Description**

AAC Task: Mtb Dipole Command Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.112 aac mtbcmdctrp0**Description**

AAC Task: Mtb Dipole Command Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.113 aac mtbcmdctrp1**Description**

AAC Task: Mtb Dipole Command Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.114 aac mtbcmdctrp2**Description**

AAC Task: Mtb Dipole Command Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.115 aac mtbcmddisable0**Description**

MtbCmdDisable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.116 aac mtbcmddisable1**Description**

MtbCmdDisable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.117 aac mtbcmddisable2**Description**

MtbCmdDisable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.118 aac mtbcmdechoxdir**Description**

AAC Task: MTB Command Echo X Dir (0=-; 1=+)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.119 aac mtbcmdechoydir**Description**

AAC Task: MTB Command Echo Y Dir (0=-; 1=+)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.120 aac mtbcmdechozdir**Description**

AAC Task: MTB Command Echo Z Dir (0=-; 1=+)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.121 aac mtbcmdenable0**Description**

MtbCmdEnable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.122 aac mtbcmdenable1**Description**

MtbCmdEnable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.123 aac mtbcmdenable2

Description

MtbCmdEnable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.124 aac mtbdpbdy0

Description

AAC Task: Mtb Dipole X axis; Body Frame

Data Type

16 bits, signed integer, engineering units = AM2.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.125 aac mtbdpbdy1

Description

AAC Task: Mtb Dipole Y axis; Body Frame

Data Type

16 bits, signed integer, engineering units = AM2.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.126 aac mtbdpbdy2

Description

AAC Task: Mtb Dipole Z axis; Body Frame

Data Type

16 bits, signed integer, engineering units = AM2.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.127 aac mtbtlmctrm0**Description**

AAC Task: Mtb Dipole Telemetry Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.128 aac mtbtlmctrm1**Description**

AAC Task: Mtb Dipole Telemetry Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.129 aac mtbtlmctrm2**Description**

AAC Task: Mtb Dipole Telemetry Counter for - direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.130 aac mtbtlmctrp0**Description**

AAC Task: Mtb Dipole Telemetry Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.131 aac mtbtlmctrp1**Description**

AAC Task: Mtb Dipole Telemetry Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.132 aac mtbtlmctrp2

Description

AAC Task: Mtb Dipole Telemetry Counter for + direction

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.133 aac mtbxcmdtsttlm

Description

AAC Task: MTB X FDC Cmd Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.134 aac mtbxpulsew

Description

AAC Task: Mtb X Command Pulse Width

Data Type

4 bits, unsigned integer, engineering units = SEC.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.135 aac mtbxpulsewcntr**Description**

AAC Task: Mtb X Command Pulse Width Counter

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.136 aac mtbycmdtsttlm**Description**

AAC Task: MTB Y FDC Cmd Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.137 aac mtbypulsew**Description**

AAC Task: Mtb Y Command Pulse Width

Data Type

4 bits, unsigned integer, engineering units = SEC.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.138 aac mtbypulsewcntr**Description**

AAC Task: Mtb Y Command Pulse Width Counter

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.139 aac mtbzcmtsttlm**Description**

AAC Task: MTB Z FDC Cmd Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.140 aac mtbzipulsew**Description**

AAC Task: Mtb Z Command Pulse Width

Data Type

4 bits, unsigned integer, engineering units = SEC.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.141 aac mtbzipulsewcntr**Description**

AAC Task: Mtb Z Command Pulse Width Counter

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.142 aac mtsysestmag**Description**

AAC Task: System Momentum Magnitude Estimate

Data Type

64 bits, 48-bit float, engineering units = NMS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac_ape_aac_soft_tlm (3720)

E.143 aac mtumerrcnt**Description**

AAC Momentum Error Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac_ape_aac_soft_tlm (3720)

E.144 aac nohwratemeact**Description**

AAC Task: err cnt for no HW based rate measurement

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac_ape_aac_soft_tlm (3720)

E.145 aac omegaerrbdy0

Description

Sparecraft Rate Error; Rad/S

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.146 aac omegaerrbdy1

Description

Sparecraft Rate Error; Rad/S

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.147 aac omegaerrbdy2**Description**

Sparecraft Rate Error; Rad/S

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.148 aac omegaestbdy0

Description

AAC Task: X axis Estimated Spacecraft Rate; in Body Frame

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.149 aac omegaestbdy1

Description

AAC Task: Y axis Estimated Spacecraft Rate; in Body Frame

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.150 aac omegaestbdy2**Description**

AAC Task: Z axis Estimated Spacecraft Rate; in Body Frame

Data Type

64 bits, 48-bit float, engineering units = RPS.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.151 aac paramtype0**Description**

ParamType

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.152 aac paramtype1**Description**

ParamType

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.153 aac paramtype2**Description**

ParamType

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.154 aac paramtype3**Description**

ParamType

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.155 aac paramtype4**Description**

ParamType

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.156 aac pid**Description**

Header info: Telemetry Packet ID for AAC task

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.157 aac pl**Description**

Header Info: Length of the Packet for AAC task

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.158 aac rtnullconvcnt**Description**

AAC Task: Rate Null Convergence Count (counts down)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.159 aac rwafrictiontrq0**Description**

AAC estimated friction torque for RW-X, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.160 aac rwafrictiontrq1**Description**

AAC estimated friction torque for RW-Y, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.161 aac rwafrictiontrq2

Description

AAC estimated friction torque for RW-Z, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.162 aac rwaspdw0

Description

AAC Task: RWA 1 Raw Speed

Data Type

16 bits, signed integer, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.163 aac rwaspdraw1**Description**

AAC Task: RWA 2 Raw Speed

Data Type

16 bits, signed integer, engineering units = RPS.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.164 aac rwaspdraw2

Description

AAC Task: RWA 3 Raw Speed

Data Type

16 bits, signed integer, engineering units = RPS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.165 aac rwatcmdlmt0

Description

AAC limited torque command for RW-X, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueCmdLmt

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.166 aac rwatcmdlmt1**Description**

AAC limited torque command for RW-Y, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueCmdLmt

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.167 aac rwatcmdlmt2**Description**

AAC limited torque command for RW-Z, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueCmdLmt

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.168 aac rwatct0**Description**

AAC Task: RWA1 Torque Command; Counts

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.169 aac rwatct1****Description**

AAC Task: RWA2 Torque Command; Counts

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.170 aac rwatct2****Description**

AAC Task: RWA3 Torque Command; Counts

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.171 aac rwatorbdy0****Description**

AAC measured RWA TorqueBdy, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueBdy, 0.1 mN-m/cnt; Derived from delta wheel speed

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.172 aac rwatorbdy1**Description**

AAC measured RWA TorqueBdy, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueBdy, 0.1 mN-m/cnt; Derived from delta wheel speed

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.173 aac rwatorbdy2****Description**

AAC measured RWA TorqueBdy, 0.1 mN-m/cnt

Data Type

16 bits, signed integer, engineering units = NM.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Discussion

FSW: AcGlobal.Rwa.TorqueBdy, 0.1 mN-m/cnt; Derived from delta wheel speed

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.174 aac scrossbangle****Description**

AAC Task: SxB Angle (sun to bfield)

Data Type

16 bits, signed integer, engineering units = RAD.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00100000004749745
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.175 aac sct**Description**

Header Info: Seq counter for AAC task

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.176 aac sflg**Description**

Header Info: Seq Flags for AAC task

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.177 aac st1cssfgbaklit**Description**

AAC Task: Back CSS Lit Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.178 aac st1cssfgfdcen**Description**

AAC Task: CSS FDC Enabled Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.179 aac st1cssfgflure**Description**

AAC Task: CSS failure flag (based on opposing cell test).

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.180 aac st1cssfgfrlit**Description**

AAC Task: Front CSS Lit Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.181 aac st1cssfginit**Description**

AAC Task: Flag indicates CSS data processing initialized Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.182 aac st1cssfgsunpres**Description**

AAC Task: CSS Detect Sun Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.183 aac st1totgndcmdrecd**Description**

AAC Task: total number of ground commands accepted

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.184 aac st1totgndcmdrjct**Description**

AAC Task: total number of ground commands rejected

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.185 aac st2csscurtst**Description**

AAC Task: CSS FDC Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.186 aac st2csseclipseflg**Description**

AAC Task: CSS Indicate Eclipse Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.187 aac st2fsttmpktv**Description**

AAC Task: Fast telemetry packet valid flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.188 aac st2mtthreshldmet**Description**

AAC Task: Acs Momentum Threshold Met Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
BDOT	0	GOOD
HXB	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.189 aac st2slwtmpkvtv**Description**

AAC Task: Slow telemetry packet valid flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.190 aac st2sunaqbak2fr**Description**

AAC Task: Sun Acq Back-to-Front Slew Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.191 aac st2sunaqbwaxis**Description**

AAC Task: Sun Acq Blind Zone Switch Slew Axis Flag

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.192 aac st2tamfgbdarawfd**Description**

AAC Task: TAM A raw bfield test failure flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.193 aac st2tamfgebdbfdata**Description**

AAC Task: TAM A bfield est. test failure flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.194 aac st2tamfgbdtmp**Description**

AAC Task: TAM A temperature test failure flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.195 aac st2tamfgfdcen**Description**

AAC Task: TAM FDC Enabled Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.196 aac st2tamfgfirsttm**Description**

AAC Task: Flag indicates First Time TAM data have been checked and ready to use.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.197 aac st3rwafgfdce**Description**

AAC Task: RWA FDC Enabled Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.198 aac st3rwafgfled1**Description**

AAC Task: RWA 1 Failed FDC Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.199 aac st3rwafgfled2**Description**

AAC Task: RWA 2 Failed FDC Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.200 aac st3rwafgfled3**Description**

AAC Task: RWA 3 Failed FDC Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.201 aac st3rwafgwhlon1**Description**

AAC Task: RWA 1 ON Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.202 aac st3rwafgwhlon2****Description**

AAC Task: RWA 2 ON Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.203 aac st3rwafgwhlon3****Description**

AAC Task: RWA 3 ON Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)**

E.204 aac st4mtbxdptsttm**Description**

AAC Task: MTB X FDC Dipole test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.205 aac st4mtbydptsttm**Description**

AAC Task: MTB Y FDC Dipole test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.206 aac st4mtbzdptsttm**Description**

AAC Task: MTB Z FDC Dipole test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.207 aac st4rwa1zcanttst**Description**

AAC Task: RWA1 FDC Zero Count test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.208 aac st4rwa2zcanttst**Description**

AAC Task: RWA2 FDC Zero Count test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.209 aac st4rwa3zcanttst**Description**

AAC Task: RWA3 FDC Zero Count test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.210 aac st4rwabdcurl**Description**

AAC Task: RWA 1 FDC Current test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.211 aac st4rwabdcurl2**Description**

AAC Task: RWA 2 FDC Current test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.212 aac st4rwabdc3

Description

AAC Task: RWA 3 FDC Current test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.213 aac st4rwaovrsd1

Description

AAC Task: RWA 1 FDC overspeed test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.214 aac st4rwaovrsd2**Description**

AAC Task: RWA 2 FDC overspeed test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.215 aac st4rwaovrsd3**Description**

AAC Task: RWA 3 FDC overspeed test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.216 aac stacsfrmcntr**Description**

AAC Task: ACS Frame Counter

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.217 aac stat1mtbxdtav**Description**

AAC Task: for Mag Torq Bar X data Validity.

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.218 aac stat1mtbydtav**Description**

AAC Task: for Mag Torq Bar Y data Validity.

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.219 aac stat1mtbzdta**Description**

AAC Task: for Mag Torq Bar Z data Validity.

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.220 aac stat1rwa1dtav**Description**

AAC Task: RWA1 Data Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.221 aac stat1rwa2dtav**Description**

AAC Task: RWA2 Data Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.222 aac stat1rwa3dtav**Description**

AAC Task: RWA3 Data Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.223 aac stat1tamadtav**Description**

AAC Task: for TAM A data Validity.

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.224 aac stat2sunaqbz**Description**

AAC Task: Sun Acq Blind Zone Flag (no sun detected)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.225 aac stat4badtrq1**Description**

AAC Task: RWA 1 FDC Torque test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.226 aac stat4badtrq2**Description**

AAC Task: RWA 2 FDC Torque test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.227 aac stat4badtrq3**Description**

AAC Task: RWA 3 FDC Torque test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.228 aac stat4mtbfdcen**Description**

AAC Task: MTB FDC enabled flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.229 aac statacsmd**Description**

AAC Task: ACS Mode

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
SHRATENULL	0	GOOD
SHSUNACQ	1	GOOD
SHSUNPOINT	2	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.230 aac statusmsg0**Description**

StatusMsg

Data Type

64 bits, 48-bit float, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.231 aac statusmsg1**Description**

StatusMsg

Data Type

64 bits, 48-bit float, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.232 aac statusmsg2**Description**

StatusMsg

Data Type

64 bits, 48-bit float, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.233 aac statusmsg3**Description**

StatusMsg

Data Type

64 bits, 48-bit float, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.234 aac statusmsg4**Description**

StatusMsg

Data Type

64 bits, 48-bit float, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.235 aac stclipseflghw**Description**

AAC Task: CSS indicates Eclipse Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
SUN	0	GOOD
ECLIPSE	1	GOOD

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.236 aac stcsslitst**Description**

AAC Task: CSS Lit (bitmapped with CSS0-7 -¿ bits 0-7)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.237 aac sunaqconvcnt**Description**

AAC Task: Sun Acquisition Convergence Countdown Timer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.238 aac sunpntecclipsetmr**Description**

AAC Task: Sun Pointing Mode Eclipse Countdown Timer

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AAC

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.239 aac sysmomerrbdy0**Description**

AAC Task: System Momentum Error (cmd-est); Body Frame

Data Type

64 bits, 48-bit float, engineering units = NMS.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.240 aac sysmomerrbdy1**Description**

AAC Task: System Momentum Error (cmd-est); Body Frame

Data Type

64 bits, 48-bit float, engineering units = NMS.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.241 aac sysmomerrbdy2**Description**

AAC Task: System Momentum Error (cmd-est); Body Frame

Data Type

64 bits, 48-bit float, engineering units = NMS.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.242 aac tambfdmestam0**Description**

AAC Measured Bfield, TAM frame, X, 1 nT/cnt

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.243 aac tambfdmestam1**Description**

AAC Measured Bfield, TAM frame, Y, 1nT/cnt

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.244 aac tambfdmestam2**Description**

AAC Measured Bfield, TAM frame, Z, 1nT/cnt

Data Type

32 bits, signed integer, engineering units = any.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999971718069e-10
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.245 aac tamscrossbvld**Description**

AAC SxB Valid Flag (sun vector x bfield vector)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AAC

State Conversions

state	value	desirability
Invalid	0	GOOD
Valid	1	GOOD

Limits

alarm	limit
red high	2
yellow high	2
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.246 aac tamstrtupdtav**Description**

AAC Task: Tam Startup Data Valid Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AAC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	-1
delta	<i>none</i>

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.247 aac thetaerrbdy0****Description**

Spacecraft Attitude Error; Rad

Data Type

64 bits, 48-bit float, engineering units = RAD.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**aac ape_aac_soft_tlm (3720)****E.248 aac thetaerrbdy1****Description**

Spacecraft Attitude Error; Rad

Data Type

64 bits, 48-bit float, engineering units = RAD.

Measurement Source

AAC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.249 aac thetaerrbdy2**Description**

Spacecraft Attitude Error; Rad

Data Type

64 bits, 48-bit float, engineering units = RAD.

Measurement Source

AAC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

aac ape_aac_soft_tlm (3720)

E.250 ac acceinr0**Description**

AccelerationInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.251 ac acceinr1**Description**

AccelerationInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.252 ac acceinr2**Description**

AccelerationInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.253 ac acenaattver**Description**

AcsEnable: AttVer

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.254 ac acenablespare**Description**

AcsEnable: Spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.255 ac acenagndmtb**Description**

AcsEnable: GroundMTB

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.256 ac acenamagff**Description**

AcsEnable: MagFF

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.257 ac acenaoccultlogic**Description**

AcsEnable: OccultLogic

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.258 ac acenaprocmagfld

Description

AcsEnable: ProcessMagField

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.259 ac acenaprocsceph

Description

AcsEnable: PropSCEph

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.260 ac acenarwafricff

Description

AcsEnable: RwaFricFF

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.261 ac acenasaslewctrl**Description**

AcsEnable: SunAcqSlewCtrl

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.262 ac acenaslewff**Description**

AcsEnable: SlewFF

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**ac slwgeneral** (3750)**E.263 ac acenaslwgen****Description**

AcsEnable: SlewGen

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**ac slwgeneral** (3750)**E.264 ac acenaspeclipctrl****Description**

AcsEnable: SunPntEclipseCtrl

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**ac slwgeneral** (3750)

E.265 ac acenatrqcmandfiltr**Description**

AcsEnable: TrqCmdFilter

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.266 ac acscdcmcssfsape**Description**

ACS CDH RTS Command Request: CSS Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac fstcont (3734)

E.267 ac acscdhcmdeceph**Description**

ACS CDH RTS Command Request: Ephemeris Eclipse Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
ECLIPSE	0	GOOD
SUN	1	GOOD

Telemetry Source Packets

ac fstcont (3734)

E.268 ac acscdhcmdfpciru1**Description**

ACS CDH RTS Command Request: IRU-1 Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.269 ac acscdhcmdfpciru2**Description**

ACS CDH RTS Command Request: IRU-2 Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.270 ac acscdhcmdsp1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.271 ac acscdhcmdsp2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.272 ac acscdhcmdsp3**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.273 ac acscdhcmdstfl**Description**

ACS CDH RTS Command Request: STR Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac fstcont (3734)

E.274 ac acscdhcmdsvcps**Description**

ACS CDH RTS Command Request: CIPS Sun Violation

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.275 ac acscdhcmdtamfl**Description**

ACS CDH RTS Command Request: TAM Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac fstcont (3734)

E.276 ac acscdhcmdtofmtbx**Description**

ACS CDH RTS Command Request: MTB-X Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**ac fstcont** (3734)**E.277 ac acscdhcmdtofmtby****Description**

ACS CDH RTS Command Request: MTB-Y Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**ac fstcont** (3734)**E.278 ac acscdhcmdtofmtbz****Description**

ACS CDH RTS Command Request: MTB-Z Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**ac fstcont** (3734)

E.279 ac acscdhcmdtofrwa1**Description**

ACS CDH RTS Command Request: RWA-1 Failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
No	0	GOOD
Yes	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.280 ac acscdhcmdtofrwa2**Description**

ACS CDH RTS Command Request: RWA-2 Failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
No	0	GOOD
Yes	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.281 ac acscdhcmdtofrwa3**Description**

ACS CDH RTS Command Request: RWA-3 Failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
No	0	GOOD
Yes	1	BAD

Telemetry Source Packets

ac fstcont (3734)

E.282 ac acscyclcncnter**Description**

AC Slow General Packet: ACS Cycle Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.283 ac acsfrmcncnter**Description**

AC Task: ACS frame counter

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.284 ac acslowcontspare0**Description**

spare

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.285 ac acslowcontspare1**Description**

spare

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.286 ac acslowcontspare2**Description**

spare

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.287 ac acsmd**Description**

AC Task: ACS Mode

Data Type

32 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
LAUNCH	0	BAD
CONTRATENULL	1	CAUTION
CONTSUNACQ	2	CAUTION
CONTSUNPOINT	3	CAUTION
NORMTARGETSUN	4	GOOD
NORMTARGETEARTH	5	GOOD
NORMTRGTINERTIAL	6	GOOD
CALCRUCIFORM	7	GOOD

Telemetry Source Packets

ac fstcont (3734)

E.288 ac acstlmflg**Description**

Instrument ACS status message packet header, segment flags

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.289 ac acstlmhws**Description**

Instrument ACS status message secondary header, seconds (high order)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.290 ac acstlmhwss**Description**

Instrument ACS status message secondary header, subseconds (high order)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.291 ac acstlmwss**Description**

Instrument ACS status message secondary header, seconds (low order)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.292 ac acstlmwss**Description**

Instrument ACS status message secondary header, subseconds (low order)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.293 ac acstlmpid**Description**

Instrument ACS status message packet header, type and apid

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.294 ac acstlmpid**Description**

Instrument ACS status message packet header, packet length

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.295 ac acstlmsct**Description**

Instrument ACS status message packet header, sequence counter

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.296 ac adadsp**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.297 ac adadsp1**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.298 ac adconvnce**Description**

AC AD Convergence State

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Diverging	-1	BAD
Not_Started	0	GOOD
Converging	1	GOOD
Coarse_Conv	2	GOOD
Fine_Conv	3	GOOD

Telemetry Source Packets

ac ad (3726)

E.299 ac adhws**Description**

AC-AD packet header High Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.300 ac adhwss**Description**

AC-AD packet header High Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.301 ac adinitmd**Description**

AC-AD Task: Initialization Mode

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NOT_INIT	0	CAUTION
INIT	1	GOOD

Telemetry Source Packets

ac ad (3726)

E.302 ac adirubiasest0**Description**

IRU bias estimate from AD; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.303 ac adirubiasest1**Description**

IRU bias estimate from AD; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.304 ac adirubiasest2**Description**

IRU bias estimate from AD; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.305 ac adlws**Description**

AC-AD packet header Low Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.306 ac adlwss**Description**

AC-AD packet header Low Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.307 ac adnewdata**Description**

AC-AD Task: new data Indicator

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoUpdate	0	CAUTION
Update	1	CAUTION

Telemetry Source Packets

ac ad (3726)

E.308 ac adpad1**Description**

AC-AD packet header pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.309 ac adpad2**Description**

AC-AD packet header pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.310 ac adpid**Description**

AC_Ad Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.311 ac adpl**Description**

AC_Ad Packet Length

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.312 ac adpstronly0**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.313 ac adpstronly1**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.314 ac adpstronly2**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.315 ac adpstronly3**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.316 ac adpstronly4**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.317 ac adpstronly5**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.318 ac adpstronly6**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.319 ac adpstronly7**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.320 ac adpstronly8**Description**

AC AD Packet; State Error Covariance Matrix (STR only)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.321 ac adqinr2beststry0**Description**

AC AD Packet; Estimated Spacecraft Attitude Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.322 ac adqinr2beststry1**Description**

AC AD Packet; Estimated Spacecraft Attitude Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.323 ac adqinr2beststry2**Description**

AC AD Packet; Estimated Spacecraft Attitude Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.324 ac adqinr2beststry3**Description**

AC AD Packet; Estimated Spacecraft Attitude Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.325 ac adsct**Description**

AC_Ad Sequence Count

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.326 ac adsflg**Description**

AC_Ad Sequence Flags

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.327 ac adstrgain0**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.328 ac adstrgain1**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.329 ac adstrgain2**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.330 ac adstrgain3**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.331 ac adstrgain4**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.332 ac adstrgain5**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.333 ac adstrgain6**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.334 ac adstrgain7**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.335 ac adstrgain8**Description**

AC-AD Gain used in STR Update

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.336 ac adstrmesresid0**Description**

AC Task: Star Tracker Measured Residual ST

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.337 ac adstrmesresid1**Description**

AC Task: Star Tracker Measured Residual ST

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.338 ac adstrmesresid2**Description**

AC Task: Star Tracker Measured Residual ST

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.339 ac adstrmesresidsc0**Description**

AC Task: Star Tracker Measured Residual SC

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.340 ac adstrmesresidsc1**Description**

AC Task: Star Tracker Measured Residual SC

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.341 ac adstrmesresidsc2**Description**

AC Task: Star Tracker Measured Residual SC

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.342 ac adstrphiplusbd0**Description**

AC AD Packet: Incremental Angle Updates from STR Update in Body Frame

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.343 ac adstrphiplusbd1**Description**

AC AD Packet: Incremental Angle Updates from STR Update in Body Frame

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.344 ac adstrphiplusbd2

Description

AC AD Packet: Incremental Angle Updates from STR Update in Body Frame

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.345 ac adstrratemeas0

Description

AC Task: Star Tracker Measured Rate

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.346 ac adstrratemeas1**Description**

AC Task: Star Tracker Measured Rate

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac ad (3726)

E.347 ac adstrratemeas2**Description**

AC Task: Star Tracker Measured Rate

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac ad (3726)

E.348 ac adstrvldresid**Description**

AC-AD Task: Star Tracker Residual Data Validity indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
INVALID	0	BAD
VALID	1	GOOD

Telemetry Source Packets

ac ad (3726)

E.349 ac adupdatstat**Description**

AC-AD Task: Update Status Validity Indicator

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
KF_NoUpdate	0	BAD
KF_Update	1	GOOD

Telemetry Source Packets

ac ad (3726)

E.350 ac advld**Description**

AC-AD Task: Data Validity Indicator

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	BAD
Valid	1	GOOD

Telemetry Source Packets

ac ad (3726)

E.351 ac alphaestbdy0**Description**Estimated S/C Acceleration, Rad/Sec²**Data Type**

64 bits, float, engineering units = rs2.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.352 ac alphaestbdy1**Description**Estimated S/C Acceleration, Rad/Sec²**Data Type**

64 bits, float, engineering units = rs2.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.353 ac alphaestbdy2

Description

Estimated S/C Acceleration, Rad/Sec²

Data Type

64 bits, float, engineering units = rs2.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.354 ac anchws

Description

AC_Ancillary Packet header High Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.355 ac anchwss**Description**

AC_Ancillary Packet header High Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.356 ac anciruffdcen**Description**

IruFlags Flag To Enable FDC

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.357 ac ancirufnumpwred**Description**

IruFlags NumOfIruPowered

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.358 ac ancirufpktinv**Description**

IruFlags PacketInvalid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.359 ac ancirufpntfault**Description**

IruFlags PersistentFault

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	BAD

Telemetry Source Packets

ac anc (3728)

E.360 ac ancirufspare**Description**

spares

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.361 ac ancirufstupidtv**Description**

IruFlags StartupDataValid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.362 ac ancirufxdtfound**Description**

IruFlags Xdata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoXDate	0	CAUTION
XDataUpdate	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.363 ac ancirufydtfound**Description**

IruFlags Ydata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoYDate	0	CAUTION
YDataUpdate	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.364 ac ancirufzdtfound**Description**

IruFlags Zdata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoZDate	0	CAUTION
ZDataUpdate	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.365 ac anciruomegamesb0**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.366 ac anciruomegamesb1**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.367 ac anciruomegamesb2**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.368 ac anclws**Description**

AC_Ancillary Packet header Low Word of Seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.369 ac anclwss**Description**

AC_Ancillary Packet header Low Word of Subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.370 ac ancpad1**Description**

AC_Ancillary Packet header

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.371 ac ancpad2**Description**

AC_Ancillary Packet header

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.372 ac ancpid**Description**

AC_Ancillary Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.373 ac ancpl**Description**

AC_Ancillary Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.374 ac ancscst**Description**

AC_Ancillary Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.375 ac ancslg**Description**

AC_Ancillary Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.376 ac ancst1centofintg**Description**

AC Ancillary Packet; ST1 Center of Integration (1 lsb = 20 microsec)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.377 ac ancst1cmdcycctr**Description**

AC Ancillary Packet; St1CmdCycleCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.378 ac ancst1dtmsreftct**Description**

AC Ancillary Packet; ST1 SA13 Date Mes Ref T Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.379 ac ancst1dtreftcntr**Description**

AC Ancillary Packet; ST1 SA1 Date Ref T Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.380 ac ancst1idtm**Description**

AC Ancillary Packet; ST1 ID TM (10=auto acq; 11=auto track)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.381 ac ancst1q0**Description**

Star Tracker #1 Quaternion rel. to J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.382 ac ancst1q1**Description**

Star Tracker #1 Quaternion rel. to J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.383 ac ancst1q2**Description**

Star Tracker #1 Quaternion rel. to J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.384 ac ancst1q3**Description**

Star Tracker #1 Quaternion rel. to J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.385 ac ancst1qualindx**Description**

Star Tracker #1 Quality Index in X and Y Axis (arc-sec)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.386 ac ancst1qualindz**Description**

Star Tracker #1 Quality Index in Z Axis (arc-sec)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.387 ac ancst1sainffrcnt**Description**

AC Ancillary Packet; ST1 SubAddress 13 Info Frame Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.388 ac ancst1sainfvddat**Description**

AC Ancillary Packet; ST1 SubAddress 13 Info Valid Data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.389 ac ancst1secstatus**Description**

STR1 Secondary Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.390 ac ancst1syntdef**Description**

Star Tracker #1 Synthesis Coherence Test Results

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.391 ac anctmsystem**Description**

System Time; Sec from GPS epoch

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.392 ac apefasttlmtm**Description**

ApeFastTlmTime, sec

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.393 ac apeiru1x**Description**

ApeIRU1X IRU 1 Ch 1 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.394 ac apeiru1y**Description**

ApeIRU1Y IRU 1 Ch 2 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.395 ac apeiru2x**Description**

ApeIRU2X IRU 2 Ch 1 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.396 ac apeiru2y**Description**

ApeIRU2Y IRU 2 Ch 2 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.397 ac apeiru3x**Description**

ApeIRU3X IRU 3 Ch 1 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.398 ac apeiru3y**Description**

ApeIRU3Y IRU 3 Ch 2 Counts from APE Fast Packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.399 ac apparsununtinr0**Description**

Apparent Sun Unit Vector; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.400 ac apparsununtinr1**Description**

Apparent Sun Unit Vector; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.401 ac apparsununtinr2**Description**

Apparent Sun Unit Vector; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.402 ac aqdbeg2end0**Description**

DeltaQBegToEnd

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.403 ac aqdbeg2end1**Description**

DeltaQBegToEnd

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.404 ac aqdbeg2end2**Description**

DeltaQBegToEnd

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.405 ac aqdbeg2end3**Description**

DeltaQBegToEnd

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.406 ac aqinr2bdy0**Description**

QInrToBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.407 ac aqinr2bdy1**Description**

QInrToBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.408 ac aqinr2bdy2**Description**

QInrToBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.409 ac aqinr2bdy3**Description**

QInrToBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.410 ac aqinr2bdycmd0**Description**

S/C Commanded Quaternion; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.411 ac aqinr2bdycmd1**Description**

S/C Commanded Quaternion; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.412 ac aqinr2bdycmd2**Description**

S/C Commanded Quaternion; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.413 ac aqinr2bdycmd3**Description**

S/C Commanded Quaternion; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.414 ac aqinr2bdyest0**Description**

S/C Quaternion Estimate; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.415 ac aqinr2bdyest1**Description**

S/C Quaternion Estimate; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.416 ac aqinr2bdyest2**Description**

S/C Quaternion Estimate; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.417 ac aqinr2bdyest3**Description**

S/C Quaternion Estimate; J2000 to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.418 ac aqinr2rb0**Description**

Orbit Frame Quaternion; J2000 to Orbit Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.419 ac aqinr2rb1**Description**

Orbit Frame Quaternion; J2000 to Orbit Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.420 ac aqinr2rb2**Description**

Orbit Frame Quaternion; J2000 to Orbit Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.421 ac aqinr2rb3**Description**

Orbit Frame Quaternion; J2000 to Orbit Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.422 ac aqinrtostames00**Description**

Star Tracker 1 Measured Quaternion; J2000 to STR

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensord (3736)

E.423 ac aqinrtostames01**Description**

Star Tracker 1 Measured Quaternion; J2000 to STR

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensord (3736)

E.424 ac aqinrtostames02**Description**

Star Tracker 1 Measured Quaternion; J2000 to STR

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensord (3736)

E.425 ac aqinrtostames03**Description**

Star Tracker 1 Measured Quaternion; J2000 to STR

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensr (3736)

E.426 ac aqinrtosun0**Description**

Expected J2000 to Sun Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.427 ac aqinrtosun1**Description**

Expected J2000 to Sun Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.428 ac aqinrtosun2**Description**

Expected J2000 to Sun Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.429 ac aqinrtosun3**Description**

Expected J2000 to Sun Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.430 ac aqorb2bdy0**Description**

Commanded Orbit Frame to Body Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.431 ac aqorb2bdy1**Description**

Commanded Orbit Frame to Body Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.432 ac aqorb2bdy2**Description**

Commanded Orbit Frame to Body Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.433 ac aqorb2bdy3**Description**

Commanded Orbit Frame to Body Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.434 ac aqref2bdybeg0**Description**

Slew Initial Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.435 ac aqref2bdybeg1**Description**

Slew Initial Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.436 ac aqref2bdybeg2**Description**

Slew Initial Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.437 ac aqref2bdybeg3**Description**

Slew Initial Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.438 ac aqref2bdycmd0**Description**

Slew Commanded Quaternion; Ref to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.439 ac aqref2bdycmd1**Description**

Slew Commanded Quaternion; Ref to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.440 ac aqref2bdycmd2**Description**

Slew Commanded Quaternion; Ref to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.441 ac aqref2bdycmd3**Description**

Slew Commanded Quaternion; Ref to Body

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.442 ac aqref2bdyend0**Description**

Slew Final Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.443 ac aqref2bdyend1**Description**

Slew Final Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.444 ac aqref2bdyend2**Description**

Slew Final Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.445 ac aqref2bdyend3**Description**

Slew Final Quaternion; Ref to Body Frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.446 ac aqsun2bdy0**Description**

Commanded Sun to Body Frame Quaterion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.447 ac aqsun2bdy1**Description**

Commanded Sun to Body Frame Quaterion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.448 ac aqsun2bdy2**Description**

Commanded Sun to Body Frame Quaterion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.449 ac aqsun2bdy3**Description**

Commanded Sun to Body Frame Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.450 ac attmsnceupdctr**Description**

Time Since Attitude Correction; AC cycles

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.451 ac attnotavailcntr**Description**

AttNotAvailCntr

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.452 ac attsource**Description**

ACS Attitude Knowledge State Source

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
ATT_NOT_AVAIL	0	BAD
ATT_PROP_ONLY	1	CAUTION
ATT_STA_ONLY	2	CAUTION
ATT_STA_IRU	3	GOOD

Telemetry Source Packets

ac fstattitude (3733)

E.453 ac baklit**Description**

AC Slow General Packet: Back Lit

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.454 ac bdotbasedomega0**Description**

Spacecraft rate based on TAM measured Bdot and B (radians/sec)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.455 ac bdotbasedomega1**Description**

Spacecraft rate based on TAM measured Bdot and B (radians/sec)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.456 ac bdotbasedomega2**Description**

Spacecraft rate based on TAM measured Bdot and B (radians/sec)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.457 ac bfdestqbd0**Description**

Quiescent TAM Sensed Magnetic Field, updated at 0.1 Hz, In Body (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.458 ac bfdestqbd1**Description**

Quiescent TAM Sensed Magnetic Field, updated at 0.1 Hz, In Body (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.459 ac bfdestqbd2**Description**

Quiescent TAM Sensed Magnetic Field, updated at 0.1 Hz, In Body (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.460 ac bfieldestbdy0**Description**

BField Used for Unloading ; body frame; T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.461 ac bfieldestbdy1****Description**

BField Used for Unloading ; body frame; T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.462 ac bfieldestbdy2****Description**

BField Used for Unloading ; body frame; T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.463 ac bfieldrateestbd0****Description**

TAM Sensed Rate of Change of Magnetic Field, In Body (Telse/sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumsensor** (3740)

E.464 ac bfieldrateestbd1**Description**

TAM Sensed Rate of Change of Magnetic Field, In Body (Telse/sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.465 ac bfieldrateestbd2**Description**

TAM Sensed Rate of Change of Magnetic Field, In Body (Telse/sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.466 ac crucaxis**Description**

Cruciform Commanded Axis (0-2)

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
AXIS0	0	GOOD
AXIS1	1	GOOD
AXIS2	2	GOOD

Limits

alarm	limit
red high	3
yellow high	3
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

ac cruciform (3732)

E.467 ac crucaxisrot0**Description**

Cruciform Axis of Rotationform

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.468 ac crucaxisrot1**Description**

Cruciform Axis of Rotationform

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.469 ac crucaxisrot2**Description**

Cruciform Axis of Rotationform

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.470 ac cruccnter**Description**

Cruciform Sequence Counter (0-4)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	5
yellow high	5
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets

ac cruciform (3732)

E.471 ac cruciformhws**Description**

AC Task: Cruciform Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.472 ac cruciformhwss**Description**

AC Task: Cruciform Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.473 ac cruciformlws**Description**

AC Task: Cruciform Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.474 ac cruciformlwss**Description**

AC Task: Cruciform Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.475 ac cruciformpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.476 ac cruciformpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.477 ac cruciformpid**Description**

AC Task: Cruciform Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.478 ac cruciformpl**Description**

AC Task: Cruciform Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.479 ac cruciformsct**Description**

AC Task: Cruciform Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.480 ac cruciformsflg**Description**

AC Task: Cruciform Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.481 ac crucmd**Description**

Cruciform Mode

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
CalCruc_INIT	0	GOOD
CalCruc_IN_PROG	1	GOOD
CalCruc_COMPLETE	2	GOOD

Telemetry Source Packets

ac cruciform (3732)

E.482 ac crucqinr2bdlst0**Description**

Last Cruciform Quaternion Completed

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.483 ac crucqinr2bdlst1**Description**

Last Cruciform Quaternion Completed

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac cruciform** (3732)**E.484 ac crucqinr2bdlst2****Description**

Last Cruciform Quaternion Completed

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac cruciform** (3732)**E.485 ac crucqinr2bdlst3****Description**

Last Cruciform Quaternion Completed

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac cruciform** (3732)**E.486 ac crucqinr2bdref0****Description**

Quaternion About Which Cruciform Calibration is Done

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac cruciform** (3732)

E.487 ac crucqinr2bdref1**Description**

Quaternion About Which Cruciform Calibration is Done

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.488 ac crucqinr2bdref2**Description**

Quaternion About Which Cruciform Calibration is Done

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.489 ac crucqinr2bdref3**Description**

Quaternion About Which Cruciform Calibration is Done

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.490 ac cructm**Description**

Cruciform Time

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac cruciform (3732)

E.491 ac css1celltest**Description**

CSS-1 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.492 ac css1componentv**Description**

AC Task: CSS1 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor** (3753)**E.493 ac css1curtst****Description**

AC Task: CSS1 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac mediumsensor** (3740)**E.494 ac css1fdcdtavld****Description**

AC Task: CSS1 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac ftsensor** (3736)

E.495 ac css2celltest**Description**

CSS-2 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.496 ac css2componentv**Description**

AC Task: CSS2 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.497 ac css2curtst**Description**

AC Task: CSS2 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensord (3740)

E.498 ac css2fdcdtavld**Description**

AC Task: CSS2 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensord (3736)

E.499 ac css3celltest**Description**

CSS-3 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.500 ac css3componentv**Description**

AC Task: CSS3 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.501 ac css3curtst**Description**

AC Task: CSS3 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.502 ac css3fdcdtavld**Description**

AC Task: CSS3 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.503 ac css4celltest**Description**

CSS-4 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.504 ac css4componentv**Description**

AC Task: CSS4 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor** (3753)**E.505 ac css4curtst****Description**

AC Task: CSS4 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac mediumsensor** (3740)**E.506 ac css4fdcdtavld****Description**

AC Task: CSS4 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac ftsensor** (3736)

E.507 ac css5celltest**Description**

CSS-5 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.508 ac css5componentv**Description**

AC Task: CSS5 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.509 ac css5curtst**Description**

AC Task: CSS5 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.510 ac css5fdcdtavld**Description**

AC Task: CSS5 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.511 ac css6celltest**Description**

CSS-6 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.512 ac css6componentv**Description**

AC Task: CSS6 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.513 ac css6curtst**Description**

AC Task: CSS6 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.514 ac css6fdcdtavld**Description**

AC Task: CSS6 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.515 ac css7celltest**Description**

CSS-7 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.516 ac css7componentv**Description**

AC Task: CSS7 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor** (3753)**E.517 ac css7curtst****Description**

AC Task: CSS7 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac mediumsensor** (3740)**E.518 ac css7fdcdtavld****Description**

AC Task: CSS7 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac ftsensor** (3736)

E.519 ac css8celltest**Description**

CSS-8 FDC Cell Test Failure Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.520 ac css8componentv**Description**

AC Task: CSS8 Component Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.521 ac css8curtst**Description**

AC Task: CSS8 Current FDC Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.522 ac css8fdcdtavld**Description**

AC Task: CSS8 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.523 ac csscetsfdcficnt0**Description**

AC Slow Attitude Packet: CSS 1 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.524 ac csscetsfdcflcnt1**Description**

AC Slow Attitude Packet: CSS 2 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.525 ac csscetsfdcflcnt2**Description**

AC Slow Attitude Packet: CSS 3 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.526 ac csscetsfdcflcnt3**Description**

AC Slow Attitude Packet: CSS 4 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.527 ac csscetsfdcflcnt4**Description**

AC Slow Attitude Packet: CSS 5 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.528 ac csscetsfdcflcnt5**Description**

AC Slow Attitude Packet: CSS 6 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.529 ac csscetsfdcflcnt6**Description**

AC Slow Attitude Packet: CSS 7 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.530 ac csscetsfdcflcnt7**Description**

AC Slow Attitude Packet: CSS 8 Cell FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.531 ac csscrtsfdcflcnt0**Description**

AC Slow Attitude Packet: CSS 1 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.532 ac csscrtsfdcflcnt1**Description**

AC Slow Attitude Packet: CSS 2 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.533 ac csscrtsfdclcnt2**Description**

AC Slow Attitude Packet: CSS 3 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.534 ac csscrtsfdclcnt3**Description**

AC Slow Attitude Packet: CSS 4 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.535 ac csscrtsfdclcnt4**Description**

AC Slow Attitude Packet: CSS 5 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.536 ac csscrtsfdclcnt5**Description**

AC Slow Attitude Packet: CSS 6 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.537 ac csscrtsfdcfcnt6**Description**

AC Slow Attitude Packet: CSS 7 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.538 ac csscrtsfdcfcnt7**Description**

AC Slow Attitude Packet: CSS 8 Current FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.539 ac csscumes0**Description**

CSS-1 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensr (3740)

E.540 ac csscumes1**Description**

CSS-2 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensr (3740)

E.541 ac csscumes2**Description**

CSS-3 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensr (3740)

E.542 ac csscurmes3**Description**

CSS-4 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.543 ac csscurmes4**Description**

CSS-5 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.544 ac csscurmes5**Description**

CSS-6 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.545 ac csscurmes6**Description**

CSS-7 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.546 ac csscurmes7**Description**

CSS-8 Measured Current (Normalized, Albedo Limited)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.547 ac csscurraw0**Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.548 ac csscurraw1****Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.549 ac csscurraw2**Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.550 ac csscurraw3**Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.551 ac csscurraw4****Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.552 ac csscurraw5**Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.553 ac csscurraw6**Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.554 ac csscurraw7****Description**

CSS Raw Current; Amps

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.555 ac csseclipseflg**Description**

AC Task: CSS Detect Eclipse Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
SUN	0	GOOD
ECLIPSE	1	GOOD

Telemetry Source Packets

ac mediumsensor (3740)

E.556 ac cssfdcen**Description**

AC Task: CSS FDC Enable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.557 ac cssflgssp**Description**

AC Slow General Packet: CSS Flags Spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.558 ac cssflure**Description**

AC Task: CSS Failure indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.559 ac cssinit**Description**

AC Task: CSS Init

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.560 ac csslitstat**Description**

AC Slow General Packet: CSS Lit Status

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.561 ac cssqsc2sun0**Description**

CssQsc2Sun Sc To Sun Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.562 ac cssqsc2sun1**Description**

CssQsc2Sun Sc To Sun Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.563 ac cssqsc2sun2**Description**

CssQsc2Sun Sc To Sun Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.564 ac cssqsc2sun3**Description**

CssQsc2Sun Sc To Sun Quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.565 ac delthetamesbd0**Description**

Measured Delta Angle

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.566 ac delthetamesbd1**Description**

Measured Delta Angle

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.567 ac delthetamesbd2**Description**

Measured Delta Angle

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwattitude (3744)

E.568 ac dpmtb0**Description**

MTB Measured Dipole (MTB frame), Am^2

Data Type

64 bits, float, engineering units = am^2 .

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.569 ac dpmtb1**Description**MTB Measured Dipole (MTB frame), Am^2 **Data Type**64 bits, float, engineering units = am^2 .**Measurement Source**

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.570 ac dpmtb2**Description**

MTB Measured Dipole (MTB frame), Am²

Data Type

64 bits, float, engineering units = am2.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.571 ac epheclipsed**Description**

AC Slow General Packet: Eph Eclipsed

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
SUN	0	GOOD
ECLIPSED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.572 ac epheneclipselog**Description**

AC Slow General Packet: Eph Enable Eclipse Logic

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.573 ac ephfnewephdta**Description**

EphFlags: New Eph Data

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoEphData	0	CAUTION
EphUpdate	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.574 ac ephsp**Description**

AC Slow General Packet: Eph Spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.575 ac fasttlmpktvalid**Description**

SensorFlags: FastTlmPktValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac mediumsensor (3740)

E.576 ac frontlit**Description**

AC Slow General Packet: Front Lit

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.577 ac fstatthws**Description**

AC Task: FastAttitude Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatitude (3733)

E.578 ac fstatthwss**Description**

AC Task: FastAttitude Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatitude (3733)

E.579 ac fstatllws**Description**

AC Task: FastAttitude Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatitude (3733)

E.580 ac fstatctlwss**Description**

AC Task: FastAttitude Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatctitude (3733)

E.581 ac fstattpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatctitude (3733)

E.582 ac fstattpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatctitude (3733)

E.583 ac fstattpid**Description**

AC Task: FastAttitude Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.584 ac fstattpl**Description**

AC Task: FastAttitude Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.585 ac fstatsct**Description**

AC Task: FastAttitude Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.586 ac fstatsflg**Description**

AC Task: FastAttitude Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstatitude (3733)

E.587 ac fstconthws**Description**

AC Task: Fast Control Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.588 ac fstconthwss**Description**

AC Task: Fast Control Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.589 ac fstcontlws**Description**

AC Task: Fast Control Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.590 ac fstcontlwss**Description**

AC Task: Fast Control Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.591 ac fstcontpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.592 ac fstcontpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.593 ac fstcontpid**Description**

AC Task: Fast Control Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.594 ac fstcontpl**Description**

AC Task: Fast Control Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.595 ac fstcontsct**Description**

AC Task: Fast Control Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.596 ac fstcontsflg**Description**

AC Task: Fast Control Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstcont (3734)

E.597 ac fstsenspad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsenspad (3736)

E.598 ac ftsenpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.599 ac ftsensorhws**Description**

AC Task: AC Fast Sensor Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.600 ac ftsensorhwss**Description**

AC Task: AC Fast Sensor Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.601 ac fstsensordlws**Description**

AC Task: AC Fast Sensor Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.602 ac fstsensordlws**Description**

AC Task: AC Fast Sensor Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.603 ac fstsensordpid**Description**

AC Task: ACS Fast Sensor Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.604 ac fstsensopl**Description**

AC Task: AC Fast Sensor Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.605 ac fstsensorsct**Description**

AC Task: AC Fast Sensor Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.606 ac fstsensorsflg**Description**

AC Task: AC Fast Sensor Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.607 ac gdsdtavld**Description**

AC Slow General Packet: Goods Data Valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.608 ac gdsmagfldinr0**Description**

GoodsMagFieldInr tesla

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.609 ac gdsmagfldinr1**Description**

GoodsMagFieldInr tesla

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.610 ac gdsomagfldinr2****Description**

GoodsMagFieldInr tesla

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.611 ac gdsmoonposinr0****Description**

GoodsMoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.612 ac gdsmoonposinr1****Description**

GoodsMoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)

E.613 ac gdsmoonposinr2**Description**

GoodsMoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.614 ac gdsscposiinr0**Description**

GoodsScPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.615 ac gdsscposiinr1**Description**

GoodsScPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.616 ac gdsscposiinr2**Description**

GoodsScPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.617 ac gdsscvelinr0**Description**

GoodsScVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.618 ac gdsscvelinr1**Description**

GoodsScVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.619 ac gdsscvelinr2**Description**

GoodsScVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.620 ac gdssunposiinr0**Description**

GoodsSunPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.621 ac gdssunposiinr1**Description**

GoodsSunPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.622 ac gdssunposiinr2**Description**

GoodsSunPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.623 ac gdssunposvelinr0**Description**

GoodsSunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.624 ac gdssunposvelinr1**Description**

GoodsSunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.625 ac gdssunposvelinr2**Description**

GoodsSunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.626 ac gdsupdatetm**Description**

Goods Update Time sec

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.627 ac gndcmdreceivecnt**Description**

AC Ground Command Receive Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.628 ac inertargettmr**Description**

InertialTargetTimer Consecutive Countdown Of Cycles In Inertial Target Submode

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.629 ac intgerrlmtbdy0**Description**

Limited S/C Integral Error, Rad-Sec

Data Type

64 bits, float, engineering units = rds.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.630 ac intgerrlmtbdy1**Description**

Limited S/C Integral Error, Rad-Sec

Data Type

64 bits, float, engineering units = rds.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.631 ac intgerrlmtbdy2**Description**

Limited S/C Integral Error, Rad-Sec

Data Type

64 bits, float, engineering units = rds.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)**E.632 ac iru0biasest0****Description**

Gyro Bias Estimate in S/C Coords using IRU-2 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.633 ac iru0biasest1****Description**

Gyro Bias Estimate in S/C Coords using IRU-2 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)

E.634 ac iru0biasest2**Description**

Gyro Bias Estimate in S/C Coords using IRU-2 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.635 ac iru1biasest0**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.636 ac iru1biasest1**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.637 ac iru1biasest2**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-3

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.638 ac iru1ch1ratetst**Description**

AC_IRU_FDC_Status Iru1Ch1SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.639 ac iru1ch1statictst**Description**

AC_IRU_FDC_Status Iru1Ch1StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.640 ac iru1ch2ratetst**Description**

AC_IRU_FDC_Status Iru1Ch2SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.641 ac iru1ch2statictst**Description**

AC_IRU_FDC_Status Iru1Ch2StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.642 ac iru1compvalid**Description**

Iru1ComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor** (3753)**E.643 ac iru1datavalid****Description**

AC_IRU_FDC_Status Iru1DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac fstsensor** (3736)**E.644 ac iru1motorcurrst****Description**

AC_IRU_FDC_Status Iru1 Motor Current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumsensor** (3740)**E.645 ac iru1temptst****Description**

AC_IRU_FDC_Status Iru1 Temp Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsens (3740)

E.646 ac iru2biasest0**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-2

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.647 ac iru2biasest1**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-2

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.648 ac iru2biasest2**Description**

Gyro Bias Estimate in S/C Coords using IRU-1 & IRU-2

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.649 ac iru2ch1ratetst**Description**

AC_IRU_FDC_Status Iru2Ch1SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.650 ac iru2ch1statictst**Description**

AC_IRU_FDC_Status Iru2Ch1StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.651 ac iru2ch2ratetst**Description**

AC_IRU_FDC_Status Iru2Ch2SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.652 ac iru2ch2statictst**Description**

AC_IRU_FDC_Status Iru2Ch2StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.653 ac iru2compvalid**Description**

Iru2ComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.654 ac iru2datavalid**Description**

AC_IRU_FDC_Status Iru2DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensord (3736)

E.655 ac iru2motorcurrtst**Description**

AC_IRU_FDC_Status Iru2 Motor Current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.656 ac iru2temptst**Description**

AC_IRU_FDC_Status Iru2TempTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.657 ac iru3ch1ratetst**Description**

AC_IRU_FDC_Status Iru3Ch1SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.658 ac iru3ch1statictst**Description**

AC_IRU_FDC_Status Iru3Ch1StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.659 ac iru3ch2ratetst**Description**

AC_IRU_FDC_Status Iru3Ch2SensedRateTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.660 ac iru3ch2statictst**Description**

AC_IRU_FDC_Status Iru3Ch2StaticDataTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumsensor (3740)****E.661 ac iru3compvalid****Description**

Iru3ComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor (3753)****E.662 ac iru3datavalid****Description**

AC_IRU__FDC_Status Iru3DataValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac fstsensor (3736)**

E.663 ac iru3motorcurrst**Description**

AC_IRU_FDC_Status Iru3 Motor Current Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.664 ac iru3temptst**Description**

AC_IRU_FDC_Status Iru3TempTest

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.665 ac iruch1rawct0**Description**

Raw Iru Ch1 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.666 ac iruch1rawct1**Description**

Raw Iru Ch1 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.667 ac iruch1rawct2**Description**

Raw Iru Ch1 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.668 ac iruch1rawdtact0**Description**

Raw Iru Ch1 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.669 ac iruch1rawdtact1**Description**

Raw Iru Ch1 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.670 ac iruch1rawdtact2**Description**

Raw Iru Ch1 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.671 ac iruch2rawct0**Description**

Raw Iru Ch2 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.672 ac iruch2rawct1**Description**

Raw Iru Ch2 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.673 ac iruch2rawct2**Description**

Raw Iru Ch2 Data Count from XB

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.674 ac iruch2rawdttact0**Description**

Raw Iru Ch2 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.675 ac iruch2rawdtact1**Description**

Raw Iru Ch2 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.676 ac iruch2rawdtact2**Description**

Raw Iru Ch2 Data Count from XB

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.677 ac irudatavalid**Description**

IruDataValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets**ac anc** (3728)**E.678 ac irudatavidspare****Description**

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac ftsensor** (3736)**E.679 ac irudcmgyrtobd00****Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.680 ac irudcmgyrtobd01****Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)

E.681 ac irudcmgyrtobd02**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.682 ac irudcmgyrtobd03**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.683 ac irudcmgyrtobd10**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.684 ac irudcmgyrtobd11**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.685 ac irudcmgyrtobd12**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.686 ac irudcmgyrtobd13**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.687 ac irudcmgyrtobd20**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.688 ac irudcmgyrtobd21**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.689 ac irudcmgyrtobd22**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.690 ac irudcmgyrtobd23**Description**

IruDcmGyrToBdy Convert Gyro measured rates into body axis rates

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.691 ac irudeltact00**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.692 ac irudeltact01**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.693 ac irudeltact10**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.694 ac irudeltact11**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.695 ac irudeltact20**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.696 ac irudeltact21**Description**

IruDeltaCnt

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.697 ac irufdccompvalid0**Description**

IruFdcCompValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.698 ac irufdccompvalid1**Description**

IruFdcCompValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.699 ac irufdccompvalid2**Description**

IruFdcCompValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.700 ac irufdcdatavalid0**Description**

IruFdcDataValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.701 ac irufdcdatavalid1**Description**

IruFdcDataValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.702 ac irufdcdatavalid2**Description**

IruFdcDataValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac anc (3728)

E.703 ac irufdcspare

Description

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.704 ac iruffdcen

Description

IruFlags Flag To Enable FDC

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.705 ac irufnumpwred

Description

IruFlags NumOfIruPowered

Data Type

2 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.706 ac irufpktinv****Description**

IruFlags PacketInvalid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets**ac slwsensor** (3753)**E.707 ac irufpntfault****Description**

IruFlags PersistentFault

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	BAD

Telemetry Source Packets**ac slwsensor** (3753)

E.708 ac irufspare**Description**

IruFlags spares

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.709 ac irufstupdtv**Description**

IruFlags StartupDataValid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.710 ac irufxdtfound**Description**

IruFlags Xdata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoXDate	0	CAUTION
XDataUpdate	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.711 ac irufydtfound**Description**

IruFlags Ydata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoYDate	0	CAUTION
YDataUpdate	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.712 ac irufzdtfound**Description**

IruFlags Zdata_found

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoZDate	0	CAUTION
ZDataUpdate	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.713 ac irumotcurfct0**Description**

IruMotorCurrentFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.714 ac irumotcurfct1**Description**

IruMotorCurrentFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.715 ac irumotcurfct2**Description**

IruMotorCurrentFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.716 ac irumotorcurr0**Description**

Gyro Motor Current, A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Limits

alarm	limit
red high	0.449999988079071
yellow high	0.349999994039536
yellow low	0.170000001788139
red low	0.140000000596046
delta	<i>none</i>

Discussion

Values of up to 2.25 A are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

ac slwsensor (3753)

E.717 ac irumotorcurr1**Description**

Gyro Motor Current, A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Limits

alarm	limit
red high	0.449999988079071
yellow high	0.349999994039536
yellow low	0.170000001788139
red low	0.140000000596046
delta	<i>none</i>

Discussion

Values of up to 2.25 A are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

ac slwsensor (3753)

E.718 ac irumotorcurr2**Description**

Gyro Motor Current, A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Limits

alarm	limit
red high	0.449999988079071
yellow high	0.349999994039536
yellow low	0.170000001788139
red low	0.140000000596046
delta	<i>none</i>

Discussion

Values of up to 2.25 A are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

ac slwsensor (3753)

E.719 ac iruomegafilbd0**Description**

IruOmegaFilBdy, not used!

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.720 ac iruomegafilbd1**Description**

IruOmegaFilBdy, not used!

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.721 ac iruomegafilbd2**Description**

IruOmegaFilBdy, not used!

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.722 ac iruomegamesbd0**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac fstsensor (3736)

E.723 ac iruomegamesbd1**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.724 ac iruomegamesbd2**Description**

IruOmegaMesBdy Measured S/C Rate in S/C Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.725 ac iruomegamesgyro0**Description**

IruOmegaMesGyro Measured S/C Rate in IRU Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.726 ac iruomegamesgyro1**Description**

IruOmegaMesGyro Measured S/C Rate in IRU Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.727 ac iruomegamesgyro2**Description**

IruOmegaMesGyro Measured S/C Rate in IRU Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.728 ac iruomegamesgyro3**Description**

IruOmegaMesGyro Measured S/C Rate in IRU Coordinates rad/sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.729 ac irupacketvalid

Description

IruPacketValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.730 ac irupktvalidfct

Description

IruPacketValidFailCnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.731 ac irurawct00

Description

IruRawCnt IRU1 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.732 ac irurawct01****Description**

IruRawCnt IRU1 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.733 ac irurawct10****Description**

IruRawCnt IRU2 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.734 ac irurawct11****Description**

IruRawCnt IRU2 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)

E.735 ac irurawct20**Description**

IruRawCnt IRU3 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.736 ac irurawct21**Description**

IruRawCnt IRU3 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.737 ac irusenratefct00**Description**

IruSensedRateFailCntr IRU1 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.738 ac irusenratefct01**Description**

IruSensedRateFailCntr IRU1 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.739 ac irusenratefct10**Description**

IruSensedRateFailCntr IRU2 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.740 ac irusenratefct11**Description**

IruSensedRateFailCntr IRU2 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.741 ac irusenratefct20**Description**

IruSensedRateFailCntr IRU3 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.742 ac irusenratefct21**Description**

IruSensedRateFailCntr IRU3 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
TRUE	1	GOOD

Telemetry Source Packets

ac anc (3728)

E.743 ac irustaticdtfct00**Description**

IruStaticDataFailCntr IRU1 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.744 ac irustaticdtfct01**Description**

IruStaticDataFailCntr IRU1 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.745 ac irustaticdtfct10**Description**

IruStaticDataFailCntr IRU2 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.746 ac irustaticdtfct11**Description**

IruStaticDataFailCntr IRU2 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.747 ac irustaticdtfct20**Description**

IruStaticDataFailCntr IRU3 Chan1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.748 ac irustaticdtfct21**Description**

IruStaticDataFailCntr IRU3 Chan2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.749 ac irutestfailspare**Description**

AC_IRU_FDC_Status spare

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.750 ac irutmp0**Description**

Gyro Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.751 ac irutmp1**Description**

Gyro Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.752 ac irutmp2**Description**

Gyro Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.753 ac irutmptstfct0**Description**

IruTempTestFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.754 ac irutmptstfct1**Description**

IruTempTestFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.755 ac irutmptstfct2**Description**

IruTempTestFailCntr

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.756 ac iruturnontm0**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.757 ac iruturnontm1**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.758 ac iruturnontm2**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.759 ac iruturnontmr0**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.760 ac iruturnontmr1**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.761 ac iruturnontmr2**Description**

IruTurnOnTimer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.762 ac iruuse0**Description**

IruUse

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.763 ac iruuse1**Description**

IruUse

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.764 ac iruuse2**Description**

IruUse

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.765 ac magdtavld**Description**

AC Slow General Packet: Mag Data Valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.766 ac mdlfieldbdy0**Description**

Model Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.767 ac mdlfieldbdy1**Description**

Model Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.768 ac mdlfieldbdy2****Description**

Model Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.769 ac medcontflgssp****Description**

Med Control Flags Spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumcont** (3738)**E.770 ac medcontpad1****Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumcont** (3738)

E.771 ac medcontpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.772 ac mediumconthws**Description**

AC Task: Medium Control Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.773 ac mediumconthwss**Description**

AC Task: Medium Control Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.774 ac mediumcontlws**Description**

AC Task: Medium Control Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.775 ac mediumcontlwss**Description**

AC Task: Medium Control Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.776 ac mediumcontpid**Description**

AC Task: Medium Control Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.777 ac mediumcontpl**Description**

AC Task: Medium Control Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.778 ac mediumcontsct**Description**

AC Task: Medium Control Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.779 ac mediumcontsflg**Description**

AC Task: Medium Control Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.780 ac mediumcontsp**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.781 ac mediumsensorphws**Description**

AC Task: AC Medium Sensor Packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.782 ac mediumsensorphwss**Description**

AC Task: AC Medium Sensor Packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.783 ac mediumsensorldws**Description**

AC Task: AC Medium Sensor Packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.784 ac mediumsensorldwss**Description**

AC Task: AC Medium Sensor Packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.785 ac mediumsensorldpid**Description**

AC Task: AC Medium Sensor Packed ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.786 ac mediumsensopl**Description**

AC Task: AC Medium Sensor Packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.787 ac mediumsensorsct**Description**

AC Task: AC Medium Sensor Packed header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.788 ac mediumsensorsflg**Description**

AC Task: AC Medium Sensor Packed header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.789 ac medsenpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.790 ac medsenpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.791 ac momentrwa0**Description**

AC slow Sensor Packet: RWA 1 Momentum

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.792 ac momentrwa1****Description**

AC slow Sensor Packet: RWA 2 Momentum

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.793 ac momentrwa2**Description**

AC slow Sensor Packet: RWA 3 Momentum

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.794 ac momentscestbd0**Description**

S/C Momentum; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.795 ac momentscestbd1**Description**

S/C Momentum; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.796 ac momentscestd2**Description**

S/C Momentum; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.797 ac momentthresmet**Description**

Momentum Threshold Met Flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.798 ac moondtavld**Description**

AC Task: Valid moon data indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.799 ac moonposin0**Description**

MoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.800 ac moonposin1**Description**

MoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.801 ac moonposin2****Description**

MoonPositionInr m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.802 ac mtbapetlmerr****Description**

AC Slow General Packet: MTB APE Telemetry Error

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.803 ac mtbbfield0****Description**

Calculated MTB effect at TAM, T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)

E.804 ac mtbbfield1**Description**

Calculated MTB effect at TAM, T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.805 ac mtbbfield2**Description**

Calculated MTB effect at TAM, T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.806 ac mtbcmdctrm0**Description**

Mtb Command Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.807 ac mtbcmdctrm1**Description**

Mtb Command Command Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.808 ac mtbcmdctrm2**Description**

Mtb Command Command Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.809 ac mtbcmdctrp0**Description**

Mtb Command Command Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.810 ac mtbcmdctrp1**Description**

Mtb Command Command Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.811 ac mtbcmdctrp2**Description**

Mtb Command Command Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.812 ac mtbcmdcur0**Description**

MTB X Current Command; A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.813 ac mtbcmdcur1**Description**

MTB Y Current Command; A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.814 ac mtbcmdcur2**Description**

MTB Z Current Command; A

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.815 ac mtbcmddirection0**Description**

MtbCmdDirection

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DIPOLE_OFF	0	GOOD
DIPOLE_PLUS	1	GOOD
DIPOLE_MINUS	65535	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.816 ac mtbcmddirection1**Description**

MtbCmdDirection

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DIPOLE_OFF	0	GOOD
DIPOLE_PLUS	1	GOOD
DIPOLE_MINUS	65535	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.817 ac mtbcmddirection2**Description**

MtbCmdDirection

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DIPOLE_OFF	0	GOOD
DIPOLE_PLUS	1	GOOD
DIPOLE_MINUS	65535	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.818 ac mtbcmddisable0**Description**

MtbCmdDisable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.819 ac mtbcmddisable1**Description**

MtbCmdDisable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.820 ac mtbcmddisable2**Description**

MtbCmdDisable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.821 ac mtbcmddp0**Description**MTB X Dipole Command; Am²**Data Type**

64 bits, float, engineering units = am2.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.822 ac mtbcmddp1**Description**MTB Y Dipole Command; Am²**Data Type**

64 bits, float, engineering units = am2.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.823 ac mtbcmddp2**Description**MTB Z Dipole Command; Am^2 **Data Type**

64 bits, float, engineering units = am2.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.824 ac mtbcmdenable0**Description**

MtbCmdEnable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.825 ac mtbcmdenable1**Description**

MtbCmdEnable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.826 ac mtbcmdenable2**Description**

MtbCmdEnable

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.827 ac mtbcmdmag0**Description**

MtbCmdMagnitude

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.828 ac mtbcmdmag1**Description**

MtbCmdMagnitude

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.829 ac mtbcmdmag2**Description**

MtbCmdMagnitude

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.830 ac mtbcurcont**Description**

AC Task: MTB Current Control Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.831 ac mtbdpbdy0**Description**

MTB X Measured Dipole (body frame); Am^2

Data Type

64 bits, float, engineering units = am^2 .

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensord (3740)

E.832 ac mtbdpbdy1**Description**MTB Y Measured Dipole (body frame); Am^2 **Data Type**64 bits, float, engineering units = am^2 .**Measurement Source**

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensord (3740)

E.833 ac mtbdpbdy2

Description

MTB Z Measured Dipole (body frame); Am^2

Data Type

64 bits, float, engineering units = am^2 .

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.834 ac mtbfdcen

Description

AC Task: MTB FDC Enable Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.835 ac mtbfdcspare**Description**

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.836 ac mtbfdcstatussp**Description**

AC_MTB_FDCStatus spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.837 ac mtbflgssp**Description**

AC Slow General Packet: MTB Flags Spare

Data Type

11 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.838 ac mtbgndcont**Description**

AC Task: MTB Ground Control Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.839 ac mtbmeascur0**Description**

MTB X Measured Current; A

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209000006318092
yellow high	0.19990000128746
yellow low	-0.19990000128746
red low	-0.209000006318092
delta	<i>none</i>

Telemetry Source Packets**ac mediumsensor** (3740)**E.840 ac mtbmeascur1****Description**

MTB Y Measured Current; A

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209000006318092
yellow high	0.19990000128746
yellow low	-0.19990000128746
red low	-0.209000006318092
delta	<i>none</i>

Telemetry Source Packets**ac mediumsensor** (3740)**E.841 ac mtbmeascur2****Description**

MTB Z Measured Current; A

Data Type

64 bits, float, engineering units = A.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.209000006318092
yellow high	0.19990000128746
yellow low	-0.19990000128746
red low	-0.209000006318092
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.842 ac mtbpw0**Description**

MTB Pulse Width (per MTB)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.843 ac mtbpw1**Description**

MTB Pulse Width (per MTB)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.844 ac mtbpw2**Description**

MTB Pulse Width (per MTB)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.845 ac mtbpwcntr0**Description**

MTB Pulse Width Cmd Counter (per MTB), Unload Cycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.846 ac mtbpwcntr1**Description**

MTB Pulse Width Cmd Counter (per MTB), Unload Cycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.847 ac mtbpwcntr2**Description**

MTB Pulse Width Cmd Counter (per MTB), Unload Cycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.848 ac mtbtlmctrm0**Description**

Mtb Command Telemetry Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.849 ac mtbtlmctrm1**Description**

Mtb Command Telemetry Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.850 ac mtbtlmctrm2****Description**

Mtb Command Telemetry Counter (- direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.851 ac mtbtlmctrp0****Description**

Mtb Command Telemetry Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.852 ac mtbtlmctrp1****Description**

Mtb Command Telemetry Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)

E.853 ac mtbtlmctrp2**Description**

Mtb Command Telemetry Counter (+ direction)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.854 ac mtbtotallflure**Description**

AC Slow General Packet: MTB Total Failure

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.855 ac mtbxcmdtst**Description**

AC Slow General Packet: MTB X Command Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.856 ac mtbxcompvalid**Description**

MtbXComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.857 ac mtbx dptst**Description**

AC Task: MTB X Dipole Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.858 ac mtbxdtavld**Description**

AC Task: MTB X data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac mediumsensor (3740)

E.859 ac mtbycmddtst**Description**

AC Slow General Packet: MTB Y Command Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.860 ac mtbycompvalid**Description**

MtbYComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.861 ac mtbydptst**Description**

AC Task: MTB Y Dipole Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.862 ac mtbydtavld**Description**

AC Task: MTB Y data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac mediumsensor (3740)

E.863 ac mtbzcmtddtst**Description**

AC Slow General Packet: MTB Z Command Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.864 ac mtbzcompvalid**Description**

MtbZComponentValid

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.865 ac mtbzdptst**Description**

AC Task: MTB Z Dipole Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensord (3740)

E.866 ac mtbzdtauld**Description**

AC Task: MTB Z data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac mediumsensord (3740)

E.867 ac mtsyssestbd0**Description**

Total System Momentum; body frame; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.868 ac mtsysestbd1**Description**

Total System Momentum; body frame; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.869 ac mtsysestbd2**Description**

Total System Momentum; body frame; Nms

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.870 ac mtumfailcntr**Description**

Momentum Failure Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	0

Telemetry Source Packets**ac mediumcont** (3738)**E.871 ac mtummetcntr****Description**

Momentum Threshold Met Counter, count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumcont** (3738)**E.872 ac mtumsyserrbd0****Description**

MomentSysErrBdy System Momentum Error, n-m-sec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Telemetry Source Packets**ac mediumcont** (3738)**E.873 ac mtumsyserrbd1****Description**

MomentSysErrBdy System Momentum Error, n-m-sec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Telemetry Source Packets**ac mediumcont** (3738)

E.874 ac mtumsyserrbd2**Description**

MomentSysErrBdy System Momentum Error, n-m-sec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.875 ac mtumsyssestmag**Description**

MomentSysEstMag

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.876 ac newmagdta**Description**

AC Slow General Packet: New Mag Data

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NoMagData	0	CAUTION
MagUpdate	1	GOOD

Telemetry Source Packets**ac slwgeneral** (3750)**E.877 ac nohwratemect****Description**

Error Counter for no HW based rate measurement; ACSCycles

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.878 ac offsetslw****Description**

AC Task: Offset Slew Setup OK Flag; (if false could be other ac.commandattitude

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Discussion

AC Task: Offset Slew Setup OK Flag; (if false could be other ac.commandattitude error)

Telemetry Source Packets**ac slwcont** (3746)**E.879 ac omegacmddbdy0****Description**

S/C Commanded Rate, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.880 ac omegacmdbdy1**Description**

S/C Commanded Rate, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.881 ac omegacmdbdy2**Description**

S/C Commanded Rate, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.882 ac omegaerrbdy0**Description**

S/C Rate Error; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.883 ac omegaerrbdy1**Description**

S/C Rate Error; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.884 ac omegaerrbdy2**Description**

S/C Rate Error; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.885 ac omegaerrflcntr**Description**

Rate Error Fail Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac mediumcont (3738)

E.886 ac omegaerrlmtbd0**Description**

Limited S/C Rate Error, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.887 ac omegaerrlmtbd1**Description**

Limited S/C Rate Error, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.888 ac omegaerrrlmtbd2**Description**

Limited S/C Rate Error, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.889 ac omegaestbdy0**Description**

S/C Rate Estimate; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.0349065847694874
yellow high	0.0349065847694874
yellow low	-0.0349065847694874
red low	-0.0349065847694874
delta	<i>none</i>

Telemetry Source Packets

ac fstattitude (3733)

E.890 ac omegaestbdy1**Description**

S/C Rate Estimate; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.0349065847694874
yellow high	0.0349065847694874
yellow low	-0.0349065847694874
red low	-0.0349065847694874
delta	<i>none</i>

Telemetry Source Packets

ac fstattitude (3733)

E.891 ac omegaestbdy2**Description**

S/C Rate Estimate; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	0.0349065847694874
yellow high	0.0349065847694874
yellow low	-0.0349065847694874
red low	-0.0349065847694874
delta	<i>none</i>

Telemetry Source Packets

ac fstattitude (3733)

E.892 ac pwrstatusiru0**Description**

IRU1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.893 ac pwrstatusiru1**Description**

IRU2

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.894 ac pwrstatusiru2**Description**

IRU3

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.895 ac pwrstatusrwa0**Description**

RWA1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.896 ac pwrstatusrwa1**Description**

RWA2

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.897 ac pwrstatusrwa2**Description**

RWA3

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets**ac slwsensor** (3753)**E.898 ac pwrstatusrwasp****Description**

spares

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.899 ac pwrstatusspare****Description**

spares

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.900 ac ratefrmbfield0****Description**

AC Task: Rate of change of mag field unit vector (0)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.901 ac ratefrmbfield1**Description**

AC Task: Rate of change of mag field unit vector (1)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.902 ac ratefrmbfield2

Description

AC Task: Rate of change of mag field unit vector (2)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.903 ac ratefrmsuncss0

Description

AC Task: Rate of change of sun unit vector from CSS (0)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.904 ac ratefrmsuncss1**Description**

AC Task: Rate of change of sun unit vector from CSS (1)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.905 ac ratefrmsuncss2**Description**

AC Task: Rate of change of sun unit vector from CSS (2)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.906 ac ratenulltmr**Description**

RateNullTimer RateNull timer (sec?)

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.907 ac ratesource**Description**

ACS Rate Knowledge State Source

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
RATE_NOT_AVAIL	0	BAD
RATE_PROP_ONLY	1	CAUTION
RATE_TAMONLY	2	CAUTION
RATE_TAMCSS	3	CAUTION
RATE_ST	4	GOOD
RATE_IRU	5	GOOD

Telemetry Source Packets

ac fstattitude (3733)

E.908 ac rtnullconvcnt**Description**

Rate Null Convergence Counter (counts down)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.909 ac rwa1componentv**Description**

AC Task: RWA1 component validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.910 ac rwa1curtst**Description**

AC Slow General Packet: RWA 1 Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.911 ac rwa1dtavld**Description**

AC Task: RWA1 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac ftsensor (3736)

E.912 ac rwa1ovrspdtst**Description**

AC Slow General Packet: RWA1 Overspeed Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.913 ac rwa1torquetst**Description**

AC Slow General Packet: RWA 1 Torque Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.914 ac rwa1zerocnttst**Description**

AC Slow General Packet: RWA 1 Zero Count Test

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.915 ac rwa2componentv**Description**

AC Task: RWA2 component validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.916 ac rwa2curtst**Description**

AC Slow General Packet: RWA 2 Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.917 ac rwa2dtavld**Description**

AC Task: RWA2 data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensord (3736)

E.918 ac rwa2ovrspdtst**Description**

AC Slow General Packet: RWA 2 Overspeed Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.919 ac rwa2torquetst**Description**

AC Slow General Packet: RWA 2 Torque Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensord (3740)

E.920 ac rwa2zerocnttst**Description**

AC Slow General Packet: RWA 2 Zero Count Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.921 ac rwa3componentv**Description**

AC Task: RWA3 component validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.922 ac rwa3curtst**Description**

AC Slow General Packet: RWA 3 Current Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.923 ac rwa3dtavld**Description**

AC Slow General Packet: RWA 3 Data Validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.924 ac rwa3ovrspdtst**Description**

AC Slow General Packet: RWA 3 Overspeed Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.925 ac rwa3torquetst**Description**

AC Slow General Packet: RWA 3 Torque Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.926 ac rwa3zerocnttst**Description**

AC Slow General Packet: RWA 3 Zero Count Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.927 ac rwaaccuspdct0**Description**

RwaAccumSpeedCnts Accumulated Wheel Speed Delta Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.928 ac rwaaccuspdct1**Description**

RwaAccumSpeedCnts Accumulated Wheel Speed Delta Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.929 ac rwaaccuspdct2**Description**

RwaAccumSpeedCnts Accumulated Wheel Speed Delta Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.930 ac rwadatavidspare**Description**

AC_RWA_FDC_Status spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.931 ac rwafdcen**Description**

AC Task: RWA FDC Enable Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.932 ac rwafdcspare**Description**

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.933 ac rwafled1**Description**

AC Task: RWA 1 Failed Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.934 ac rwafled2**Description**

AC Task: RWA 2 Failed Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.935 ac rwafl3**Description**

AC Task: RWA 3 Failed Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.936 ac rwafl4sp**Description**

AC Task: RWA 4 Failed Flag, Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.937 ac rwaflgssp**Description**

AC Slow General Packet: RWA Flags Spare

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.938 ac rwafourwhlctrl**Description**

AC Task: RWA Four Wheel Control Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
RWA_CTRL_3	0	CAUTION
RWA_CTRL_4	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.939 ac rwagndcont**Description**

AC Task: RWA Ground Control Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FSWCNTRL	0	GOOD
GRNDCNTRL	1	CAUTION

Telemetry Source Packets

ac slwsensor (3753)

E.940 ac rwagndcontid**Description**

AC Slow General Packet: RWA Ground Control ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.941 ac rwaintgspderr0**Description**

RWA Integrated Speed Control Error, Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwgeneral** (3750)**E.942 ac rwaintgspderr1****Description**

RWA Integrated Speed Control Error, Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwgeneral** (3750)

E.943 ac rwaintgspderr2

Description

RWA Integrated Speed Control Error, Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.944 ac rwainttrqct0

Description

RwaIntTrqCnts Integrated Torque Command Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.945 ac rwainttrqct1**Description**

RwaIntTrqCnts Integrated Torque Command Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.946 ac rwainttrqct2**Description**

RwaIntTrqCnts Integrated Torque Command Count (Counts)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.947 ac rwamomentbdy0**Description**

RWA Momentum (body frame), NmSec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.948 ac rwamomentbdy1**Description**

RWA Momentum (body frame), NmSec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.949 ac rwamomentbdy2**Description**

RWA Momentum (body frame), NmSec

Data Type

64 bits, float, engineering units = nms.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.950 ac rwamotorcurr0**Description**

AC Task: RWA 1 Motor Current

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.951 ac rwamotorcurr1**Description**

AC Task: RWA 2 Motor Current

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.952 ac rwamotorcurr2

Description

AC Task: RWA 3 Motor Current

Data Type

64 bits, float, engineering units = a.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.953 ac rwamotortorque0

Description

AC Task: RWA 1 Motor Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.954 ac rwamotortorque1**Description**

AC Task: RWA 2 Motor Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.955 ac rwamotortorque2**Description**

AC Task: RWA 3 Motor Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.956 ac rwamtcurfdcfclct0**Description**

AC Task: RWA 1 Motor Current Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac slwsensor** (3753)**E.957 ac rwamtcurfdcfclt1****Description**

AC Task: RWA 2 Motor Current Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac slwsensor** (3753)**E.958 ac rwamtcurfdcfclt2****Description**

AC Task: RWA 3 Motor Current Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac slwsensor** (3753)

E.959 ac rwaospdfdcflcnt0**Description**

AC Slow Attitude Packet: RWA 1 Overspeed FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.960 ac rwaospdfdcflcnt1**Description**

AC Slow Attitude Packet: RWA 2 Overspeed FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.961 ac rwaospdfdcflcnt2**Description**

AC Slow Attitude Packet: RWA 3 Overspeed FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.962 ac rwareundanton**Description**

AC Slow General Packet: RWA Redundant ON

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.963 ac rwaseqct**Description**

RwaSeqCount CCSDS Sequence Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.964 ac rwasol**Description**

AC Slow General Packet: RWA SOL

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.965 ac rwaspdcont**Description**

AC Task: RWA Speed Control Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
TORQUE_CTRL	0	GOOD
SPEED_CTRL	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.966 ac rwaspderr0**Description**

RW Speed Control Error (r/s)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.967 ac rwaspderr1**Description**

RW Speed Control Error (r/s)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.968 ac rwaspderr2**Description**

RW Speed Control Error (r/s)

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.969 ac rwaspdfil0**Description**

RWA1 Filtered Speed; Rad/Sec

Data Type

64 bits, float, engineering units = RPS.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	373
yellow high	267
yellow low	-267
red low	-373
delta	<i>none</i>

Telemetry Source Packets

ac ftsensor (3736)

E.970 ac rwaspdfil1**Description**

RWA2 Filtered Speed; Rad/Sec

Data Type

64 bits, float, engineering units = RPS.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	373
yellow high	267
yellow low	-267
red low	-373
delta	<i>none</i>

Telemetry Source Packets

ac fstsensor (3736)

E.971 ac rwaspdfil2**Description**

RWA3 Filtered Speed; Rad/Sec

Data Type

64 bits, float, engineering units = RPS.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	373
yellow high	267
yellow low	-267
red low	-373
delta	<i>none</i>

Telemetry Source Packets

ac fstsensor (3736)

E.972 ac rwaspdraw0**Description**

RWA1 Digital Tach Speed; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.973 ac rwaspdraw1**Description**

RWA2 Digital Tach Speed; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.974 ac rwaspdraw2**Description**

RWA3 Digital Tach Speed; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.975 ac rwatcmd0**Description**

Torque Command for RWA0; Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.976 ac rwatcmd1**Description**

Torque Command for RWA1; Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.977 ac rwatcmd2**Description**

Torque Command for RWA2; Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.978 ac rwatcmdlmt0**Description**

Limited Torque Command for RWA0; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.979 ac rwatcmdlmt1**Description**

Limited Torque Command for RWA1; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.980 ac rwatcmdlmt2**Description**

Limited Torque Command for RWA2; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.981 ac rwatcmdvolt0**Description**

RW Torque Command Voltage (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.982 ac rwatcmdvolt1**Description**

RW Torque Command Voltage (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.983 ac rwatcmdvolt2**Description**

RW Torque Command Voltage (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.984 ac rwatestfailspare**Description**

AC_RWA_FDC_Status spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.985 ac rwatmp0**Description**

RWA Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	55
yellow low	-23
red low	-50
delta	<i>none</i>

Telemetry Source Packets**ac slwsensor** (3753)**E.986 ac rwatmp1****Description**

RWA Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	55
yellow low	-23
red low	-50
delta	<i>none</i>

Telemetry Source Packets**ac slwsensor** (3753)**E.987 ac rwatmp2****Description**

RWA Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	55
yellow low	-23
red low	-50
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.988 ac rwatorbdy0**Description**

RWA Torque (body frame), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.989 ac rwatorbdy1****Description**

RWA Torque (body frame), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.990 ac rwatorbdy2**Description**

RWA Torque (body frame), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.991 ac rwatorctl0**Description**

RWA 1 Controller Torque Command (not incl. Friction; torque null); Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.992 ac rwatorctl1**Description**

RWA 2 Controller Torque Command (not incl. Friction; torque null); Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.993 ac rwatorctl2**Description**

RWA 3 Controller Torque Command (not incl. Friction; torque null); Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.994 ac rwatorfrcscaled0**Description**

RWA Scaled Friction Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.995 ac rwatorfrcsaled1**Description**

RWA Scaled Friction Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.996 ac rwatorfrcsaled2**Description**

RWA Scaled Friction Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.997 ac rwatorqcmdct0**Description**

Rwa TorqueCmdCnt RW Torque Command To IO Card (Count)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.998 ac rwatorqcmdct1**Description**

Rwa TorqueCmdCnt RW Torque Command To IO Card (Count)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.999 ac rwatorqcmdct2**Description**

Rwa TorqueCmdCnt RW Torque Command To IO Card (Count)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1000 ac rwatrqfdclcnt0**Description**

AC Slow Attitude Packet: RWA 1 Torq FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	50
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1001 ac rwatrqfdcflcnt1**Description**

AC Slow Attitude Packet: RWA 2 Torq FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	50
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1002 ac rwatrqfdcflcnt2**Description**

AC Slow Attitude Packet: RWA 3 Torq FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	150
yellow high	50
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1003 ac rwazpulfdcfcnt0**Description**

AC Slow Attitude Packet: RWA 1 Zero Pulse FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1505
yellow high	1500
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1004 ac rwazpulfdcfcnt1**Description**

AC Slow Attitude Packet: RWA 2 Zero Pulse FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1505
yellow high	1500
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1005 ac rwazpulfdcflcnt2**Description**

AC Slow Attitude Packet: RWA 3 Zero Pulse FDC Test Fail Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1505
yellow high	1500
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1006 ac sab2folsnadtmr0**Description**

SunAcqBack2FrontOLSNAdtimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1007 ac sab2folsnadtmr1**Description**

SunAcqBack2FrontOLSTimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1008 ac sab2folsnadtmr2**Description**

SunAcqBack2FrontOLSTimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1009 ac sab2ftimer**Description**

SunAcqBack2Fronttimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1010 ac sablindznptmr0**Description**

SunAcqBlindZonePulsetimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1011 ac sablindznptmr1**Description**

SunAcqBlindZonePulsetimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1012 ac sablindznptmr2**Description**

SunAcqBlindZonePulsetimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1013 ac sablindzntmr0**Description**

SunAcqBlindZonetimer

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1014 ac sarnbzcconvergect**Description**

SunAcqRNBZConvergeCnt Sun Acquisition Convergence Counter (counts down)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1015 ac scdtavld**Description**

AC Task: Valid Spacecraft data indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.1016 ac scposinr0**Description**

Ephemeris S/C Position (ECI frame), m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1017 ac scposinr1**Description**

Ephemeris S/C Position (ECI frame), m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwgeneral** (3750)**E.1018 ac scposinr2****Description**

Ephemeris S/C Position (ECI frame), m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwgeneral** (3750)

E.1019 ac scrossbangle

Description

AC Slow Sensor Packet: Angle between CSS Sun and Mag Field Vectors

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumsensor (3740)

E.1020 ac scrossbnglerrct

Description

ScrossBangleErrorCnt Error Counter for Sun Vector and Bfield Vector nearly paral

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1021 ac scrossbvld**Description**

AC Task: SxB data valid flag (sun cross bfield)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	GOOD
Valid	1	GOOD

Telemetry Source Packets

ac mediumsensor (3740)

E.1022 ac sctosunvecx**Description**

Instrument ACS status message, S/C to sun unit vector X component

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.1023 ac sctosunvecy**Description**

Instrument ACS status message, S/C to sun unit vector Y component

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.1024 ac sctosunvecz**Description**

Instrument ACS status message, S/C to sun unit vector Z component

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac status (3759)

E.1025 ac scvelinr0**Description**

Ephemeris S/C Velocity (ECI frame), m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1026 ac scvelinr1**Description**

Ephemeris S/C Velocity (ECI frame), m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1027 ac scvelinr2**Description**

Ephemeris S/C Velocity (ECI frame), m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1028 ac sensorflagsp**Description**

SensorFlags spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1029 ac slowtlmpktvalid**Description**

SlowTlmPktValid

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets**ac slwsensor** (3753)**E.1030 ac slwalpha****Description**SlewAlpha Magnitude Of SC Accel While Ramping, rad/s²**Data Type**

64 bits, float, engineering units = rs2.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.1031 ac slwalphabdy0****Description**

SlewAlphaBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.1032 ac slwalphabdy1****Description**

SlewAlphaBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)

E.1033 ac slwalphabdy2**Description**

SlewAlphaBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1034 ac slwalphamax**Description**

SlewAlphaMax Magnitude Of AlphaMaxBdy, rad/x^2

Data Type

64 bits, float, engineering units = rs2.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1035 ac slwalphamaxbd0**Description**

SlewAlphaMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1036 ac slwalphamaxbd1**Description**

SlewAlphaMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1037 ac slwalphamaxbd2**Description**

SlewAlphaMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1038 ac slwatthws**Description**

AC Task: Slow Att packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1039 ac slwatthwss**Description**

AC Task: Slow Att packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1040 ac slwatllws**Description**

AC Task: Slow Att packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1041 ac slwatllwss**Description**

AC Task: Slow Att packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1042 ac slwattpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1043 ac slwattpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1044 ac slwattpid**Description**

AC Task: Slow Att packed ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1045 ac slwattpl**Description**

AC Task: Slow Att packed header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1046 ac slwattsct**Description**

AC Task: Slow Att packed header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1047 ac slwattsflg**Description**

AC Task: Slow Att packed header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1048 ac slwcnter**Description**

AC Task: Current Slew Counter (counts up)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1049 ac slwcoasttheta**Description**

SlewCoastTheta Total Slew Angle While Coasting, rad

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1050 ac slwcoasttm**Description**

SlewCoastTime Total Coast Time In Seconds

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1051 ac slwconthws**Description**

AC Task: SlowCont packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1052 ac slwconthwss**Description**

AC Task: SlowCont packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1053 ac slwcontlws**Description**

AC Task: SlowCont packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1054 ac slwcontlwss**Description**

AC Task: SlowCont packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1055 ac slwcontpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1056 ac slwcontpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1057 ac slwcontpid**Description**

AC Task: SlowCont packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1058 ac slwcontpl**Description**

AC Task: SlowCont packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1059 ac slwcontsct**Description**

AC Task: SlowCont packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1060 ac slwcontsflg**Description**

AC Task: SlowCont packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1061 ac slwcostcycl**Description**

Commanded Slew Total Coast Time, ACSCycles

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1062 ac slwcostomega**Description**

Commanded Slew Coast Rate, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1063 ac slwcosttmbegcycl**Description**

AC Task: Slew Coast Start Time; ACSCycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1064 ac slwcosttmendcycl**Description**

Slew Coast Stop Time, ACSCycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1065 ac slwcycl**Description**

Commanded Slew Total Time, ACSCycles

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1066 ac slweuleraxis0**Description**

Slew Euler Axis (unit vector); none

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1067 ac slweuleraxis1**Description**

Slew Euler Axis (unit vector); none

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1068 ac slweuleraxis2**Description**

Slew Euler Axis (unit vector); none

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1069 ac slwgeneralhws**Description**

AC Task: AC SlowGeneral Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1070 ac slwgeneralhwss**Description**

AC Task: AC SlowGeneral Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1071 ac slwgenerallws**Description**

AC Task: AC SlowGeneral Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1072 ac slwgenerallwss**Description**

AC Task: AC SlowGeneral Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1073 ac slwgeneralpid**Description**

AC Task: AC SlowGeneral Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1074 ac slwgeneralpl**Description**

AC Task: AC SlowGeneral Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1075 ac slwgeneralsct**Description**

AC Task: AC SlowGeneral Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1076 ac slwgeneralsflg**Description**

AC Task: AC SlowGeneral Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1077 ac slwgenpad1**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1078 ac slwgenpad2**Description**

pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1079 ac slwinprogcnflict**Description**

SlewInProgConflict

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1080 ac slwmd**Description**

Slew Mode

Data Type

32 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
INIT	0	GOOD
IN_PROGRESS	1	GOOD
COMPLETED	2	GOOD
ERROR	3	BAD

Telemetry Source Packets

ac fstcont (3734)

E.1081 ac slwomega**Description**

Max SC Rate While Ramping (End Of Ramp-Up), rad/s

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1082 ac slwomegacmddb0**Description**

Slew Commanded Rate; body frame; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac mediumcont** (3738)**E.1083 ac slwomegacmdbd1****Description**

Slew Commanded Rate; body frame; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac mediumcont** (3738)

E.1084 ac slwomegacmddb2**Description**

Slew Commanded Rate; body frame; Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1085 ac slwomegatot**Description**

Calculated Slew Rate, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1086 ac slwrampcycle**Description**

SlewRampCycle Total Ramp Time (Up + Down) In ACS Cycles

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1087 ac slwramphalfcycl**Description**

Commanded Slew Total Ramp Time (Up or Down), ACSCycles

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1088 ac slwramphalfm**Description**

SlewRampHalfTime Ramp-Up Or Ramp-Down Time In Seconds

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1089 ac slwramptheta**Description**

SlewRampTheta Total Slew Angle From Ramping (Up + Down), rad

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1090 ac slwrampthetamax**Description**

SlewRampThetaMax Max Slew Angle Using Ramp-Ramp Rate Profile, rad

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1091 ac slwramptm**Description**

SlewRampTime Total Ramp Time (Up + Down) In Seconds

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1092 ac slwrateprofile**Description**

Slew Rate Profile, enum

Data Type

32 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NONE	0	GOOD
RAMPRAMP	1	GOOD
RAMPCOASTRAMP	2	GOOD

Telemetry Source Packets

ac slwcont (3746)

E.1093 ac slwsenpad1**Description**

AC slow Sensor Packet: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.1094 ac slwsenpad2****Description**

AC slow Sensor Packet: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.1095 ac slwsensorhws****Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.1096 ac slwsensorhwss****Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)

E.1097 ac slwsensorlws**Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1098 ac slwsensorlwss**Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1099 ac slwsensorpid**Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1100 ac slwsensorpl**Description**

AC slow Sensor Packet: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1101 ac slwsensorsct**Description**

AC slow Sensor Packet: Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1102 ac slwsensorsflg**Description**

AC slow Sensor Packet: Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1103 ac slwsenspare0**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1104 ac slwsenspare1**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1105 ac slwsenspare2**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1106 ac slwsignalpha**Description**

Commanded Slew Accel. Direction;(1;0;-1)

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1107 ac slwtbd0**Description**

SlewTorqueBdy RW Torque In S/C Coordinates (Nm)

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1108 ac slwtbd1**Description**

SlewTorqueBdy RW Torque In S/C Coordinates (Nm)

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1109 ac slwtbd2**Description**

SlewTorqueBdy RW Torque In S/C Coordinates (Nm)

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1110 ac slwtcmdbdy0**Description**

Slew Commanded Torque; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1111 ac slwtcmdbdy1**Description**

Slew Commanded Torque; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1112 ac slwtcmdbdy2**Description**

Slew Commanded Torque; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac mediumcont** (3738)**E.1113 ac slwtheta****Description**

Commanded Slew Total Angle; Rad

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwcont** (3746)

E.1114 ac slwthetatot**Description**

Calculated Slew Angle Completed; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1115 ac slwtime**Description**

Total Slew time In Seconds

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1116 ac slwtorqmaxbd0**Description**

SlewTorqueMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1117 ac slwtorqmaxbd1**Description**

SlewTorqueMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1118 ac slwtorqmaxbd2**Description**

SlewTorqueMaxBdy

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1119 ac slwtorqueaxis0**Description**

SlewTorqueAxis

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1120 ac slwtorqueaxis1**Description**

SlewTorqueAxis

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1121 ac slwtorqueaxis2**Description**

SlewTorqueAxis

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1122 ac spdcmd0

Description

RWA Speed Command, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1123 ac spdcmd1

Description

RWA Speed Command, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1124 ac spdcmd2**Description**

RWA Speed Command, Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwgeneral (3750)

E.1125 ac sst1seqct**Description**

St1SeqCount

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1126 ac st1bkttemp**Description**

St1BracketTemp, sec

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1127 ac st1componentv**Description**

AC Task: Star Tracker 1 component validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets**ac slwsensor** (3753)**E.1128 ac st1dcmbdtosta00****Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.1129 ac st1dcmbdtosta01****Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)**E.1130 ac st1dcmbdtosta02****Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac anc** (3728)

E.1131 ac st1dcmbdtosta10**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1132 ac st1dcmbdtosta11**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1133 ac st1dcmbdtosta12**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1134 ac st1dcmbdtosta20**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1135 ac st1dcmbdtosta21**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1136 ac st1dcmbdtosta22**Description**

St1DcmBdyToSta Direction Cosine Matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1137 ac st1dtavld**Description**

AC Task: Star Tracker 1 data validity

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	65535	BAD

Telemetry Source Packets

ac fstsensord (3736)

E.1138 ac st1dtavldtst**Description**

AC Task: Star Tracker 1 data valid test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac mediumsensord (3740)

E.1139 ac st1dtmesreftst**Description**

AC Slow General Packet: Star Tracker 1 Date Mes Ref Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensord (3740)

E.1140 ac st1dtreftst**Description**

AC Slow General Packet: Star Tracker 1 Date Ref Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensord (3740)

E.1141 ac st1dtstfddcflcnt**Description**

AC Slow Attitude Packet: ST1 Data FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1142 ac st1earthoccult**Description**

AC Slow General Packet: Star Tracker 1 Earth Occultation Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NOT_OCCULTED	0	GOOD
OCCULTED	1	CAUTION

Telemetry Source Packets

ac mediumsensor (3740)

E.1143 ac st1fdcdtavld**Description**

AC Task: Star Tracker 1 FDC data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac fstsensor (3736)

E.1144 ac st1fdcen**Description**

AC Task: Star Tracker 1 FDC Enable flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1145 ac st1moonoccult**Description**

AC Slow General Packet: Star Tracker 1 Moon Occultation Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NOT_OCCULTED	0	GOOD
OCCULTED	1	CAUTION

Telemetry Source Packets

ac mediumsensor (3740)

E.1146 ac st1nodtatst**Description**

AC Slow General Packet: Star Tracker 1 No Data Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.1147 ac st1nodttfdcflcnt**Description**

AC Slow Attitude Packet: ST1 No Data FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1148 ac st1omegames0**Description**

St1Omegames, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1149 ac st1omegames1**Description**

St1Omegames, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1150 ac st1omegames2**Description**

St1Omegames, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1151 ac st1omegaraw0**Description**

St1OmeGARAW, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1152 ac st1omegaraw1**Description**

St1OmeGARAW, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1153 ac st1omegaraw2**Description**

St1OmeGARAW, arcsec

Data Type

64 bits, float, engineering units = as.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1154 ac st1pktvldtst**Description**

AC Slow General Packet: Star Tracker 1 Packet Valid Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensord (3740)

E.1155 ac st1qinr2bdraw0**Description**

St1QInrToBdyRaw

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1156 ac st1qinr2bdraw1**Description**

St1QInrToBdyRaw

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1157 ac st1qinr2bdraw2**Description**

St1QInrToBdyRaw

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1158 ac st1qinr2bdraw3**Description**

St1QInrToBdyRaw

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1159 ac st1qinr2staprp0**Description**

St1AInrToStaPrp ST Measurement Synchronized with IRU

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1160 ac st1qinr2staprp1**Description**

St1AInrToStaPrp ST Measurement Synchronized with IRU

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1161 ac st1qinr2staprp2**Description**

St1AInrToStaPrp ST Measurement Synchronized with IRU

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1162 ac st1qinr2staprp3**Description**

St1AInrToStaPrp ST Measurement Synchronized with IRU

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1163 ac st1sainfodtatst**Description**

AC Slow General Packet: Star Tracker 1 SA Info Data Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.1164 ac st1sainfofrmtst**Description**

AC Slow General Packet: Star Tracker 1 SA Info Frame Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.1165 ac st1secondsttst**Description**

AC Slow General Packet: Star Tracker 1 Second Status Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac mediumsensor (3740)

E.1166 ac st1sunoccult**Description**

AC Slow General Packet: Star Tracker 1 Sun Occultation Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
NOT_OCCULTED	0	GOOD
OCCULTED	1	CAUTION

Telemetry Source Packets

ac mediumsensord (3740)

E.1167 ac st1tmptst**Description**

AC Slow General Packet: Star Tracker 1 Temp Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	0.5
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac mediumsensord (3740)

E.1168 ac st1toirutmdelay**Description**

St1TolruTimeDelay sec

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Telemetry Source Packets

ac anc (3728)

E.1169 ac sta1stdatarcved**Description**

STA FirstStDataReceived

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	CAUTION
TRUE	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1170 ac stacmd00**Description**

ST Velocity Aberration Cmd (0)(0)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1171 ac stacmd01**Description**

ST Velocity Aberration Cmd (0)(1)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.1172 ac stacmd02****Description**

ST Velocity Aberration Cmd (0)(2)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.1173 ac stadatavidspare****Description**

spare

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac fstsensor** (3736)**E.1174 ac stadoteearth0****Description**

ST to Earth Angle Cosine; per ST

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)

E.1175 ac stadotmoon0**Description**

ST to Moon Angle Cosine; per ST

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1176 ac stadotsun0**Description**

ST to Sun Angle Cosine; per ST

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1177 ac stafdcspare**Description**

spare

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1178 ac staflagsp**Description**

STA spare

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1179 ac staflsd**Description**

STA Failed

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OK	0	GOOD
FAILED	1	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.1180 ac staomegamesbd00**Description**

ST1 Measured Rate (body frame); Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.1181 ac staomegamesbd01**Description**

ST1 Measured Rate (body frame); Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.1182 ac staomegamesbd02**Description**

ST1 Measured Rate (body frame); Rad/Sec

Data Type

64 bits, float, engineering units = rps.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.1183 ac stapacketvalid**Description**

STR Packet Valid Flag

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac fstsensor (3736)

E.1184 ac stapktvalid**Description**

Unused for AIM

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac ftsensor (3736)

E.1185 ac stapwrstatus**Description**

STA StPowerStatus

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	CAUTION
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1186 ac statestfailspare**Description**

AC_STA_FDC_Status spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumsensor** (3740)**E.1187 ac sunangle0****Description**

Extracted Sun Angle from Measure Sun Vector (rad)

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets**ac slwattitude** (3744)**E.1188 ac sunangle1****Description**

Extracted Sun Angle from Measure Sun Vector (rad)

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets**ac slwattitude** (3744)**E.1189 ac sunangle2****Description**

Extracted Sun Angle from Measure Sun Vector (rad)

Data Type

64 bits, float, engineering units = rad.

Measurement Source

AC

Telemetry Source Packets**ac slwattitude** (3744)

E.1190 ac sunaqbak2frflg**Description**

AC Task: Sun Acq Back-to-Front Slew Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1191 ac sunaqbak2friruv**Description**

AC Task: SunAcqBack2FrontIRUvalid

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1192 ac sunaqblindznflg**Description**

AC Task: Sun Acq Blind Zone Flag (no sun detected)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1193 ac sunaqblindzniruv**Description**

AC Task: SunAcqBlindZoneIRUvalid

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1194 ac sunaqbzswaxisflg**Description**

AC Task: Sun Acq Blind Zone Switch Slew Axis Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1195 ac sunaqconvcnt**Description**

AC Task: Sun Acquisition Convergence Counter (counts down)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcnt (3746)

E.1196 ac sunaqrtnullbzflg**Description**

AC Task: Sun Acq Rate Null Blind Zone Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumcont (3738)

E.1197 ac sundtavld**Description**

AC Task: Valid Sun data indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Invalid	0	CAUTION
Valid	1	GOOD

Telemetry Source Packets

ac slwgeneral (3750)

E.1198 ac sunpntecclipsetmr**Description**

Sun Pnt Eclipse Countdown Tmer, ACSCycles

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwcont** (3746)**E.1199 ac sunposinr0****Description**

SunPositionInr, m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.1200 ac sunposinr1****Description**

SunPositionInr, m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)**E.1201 ac sunposinr2****Description**

SunPositionInr, m

Data Type

64 bits, float, engineering units = m.

Measurement Source

AC

Telemetry Source Packets**ac slwgeneral** (3750)

E.1202 ac sunposmesuntbd0**Description**

s/c to sun unit vector; meas. by CSS; body frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1203 ac sunposmesuntbd1**Description**

s/c to sun unit vector; meas. by CSS; body frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1204 ac sunposmesuntbd2**Description**

s/c to sun unit vector; meas. by CSS; body frame

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1205 ac sunpresent**Description**

AC Task: Sun Present indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
FALSE	0	GOOD
TRUE	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1206 ac sunvelinr0**Description**

SunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1207 ac sunvelinr1**Description**

SunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1208 ac sunvelinr2**Description**

SunVelocityInr m/sec

Data Type

64 bits, float, engineering units = mps.

Measurement Source

AC

Telemetry Source Packets

ac slwgeneral (3750)

E.1209 ac systemmd**Description**

ACS Internal Mode, 1=Normal, 2=Error, 3= SafeHold

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
Unknown	0	CAUTION
Normal	1	GOOD
NMLERROR	2	BAD
SAFEHOLD	3	CAUTION

Telemetry Source Packets

ac fstcont (3734)

E.1210 ac tamabfdesttst**Description**

AC Slow General Packet: TAM A Bfield Est Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1211 ac tamabfdrawtst**Description**

AC Medium Sensor Packet: Tam A Bfield Raw Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1212 ac tamabkwrfdclnt**Description**

AC Slow Attitude Packet: Tam A Broken Wire FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1500
yellow high	1125
yellow low	-1
red low	-1
delta	none

Telemetry Source Packets

ac slwsensor (3753)

E.1213 ac tamabrknwiretst**Description**

AC Task: TAM A Broken Wire Test Fail Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1214 ac tamacomponentv**Description**

AC Task: TAM A component validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac slwsensor (3753)

E.1215 ac tamadtavld**Description**

AC Task: TAM A data validity

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
UNKNOWN	0	CAUTION
VALID	1	GOOD
INVALID	3	BAD

Telemetry Source Packets

ac mediumsensor (3740)

E.1216 ac tamaesfdfdcflcnt**Description**

AC Slow Attitude Packet: Tam A Est Field FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1217 ac tamarwfdfdcflcnt**Description**

AC Slow Attitude Packet: Tam A Raw Field FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1218 ac tamatmpfdclcnt**Description**

AC Slow Attitude Packet: Tam A Temperature FDC Test Fail Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	25
yellow high	19
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1219 ac tamatmpfled**Description**

AC Task: TAM A temperature test fail flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1220 ac tambfdest0**Description**

TAM Magnetic Field compensated for various dipoles, in TAM Frame, (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1221 ac tambfdest1**Description**

TAM Magnetic Field compensated for various dipoles, in TAM Frame, (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1222 ac tambfdest2**Description**

TAM Magnetic Field compensated for various dipoles, in TAM Frame, (Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1223 ac tambfdestbd0**Description**

TAM Estimated Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1224 ac tambfdestbd1**Description**

TAM Estimated Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1225 ac tambfdestbd2**Description**

TAM Estimated Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac mediumsensor (3740)

E.1226 ac tambfdmesbd0**Description**

TAM Measured Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1227 ac tambfdmesbd1**Description**

TAM Measured Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1228 ac tambfdmesbd2**Description**

TAM Measured Magnetic Field (body frame); T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1229 ac tambfieldmes0**Description**

TAM Measured Magnetic Field (sensor frame), T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1230 ac tambfieldmes1**Description**

TAM Measured Magnetic Field (sensor frame), T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1231 ac tambfieldmes2**Description**

TAM Measured Magnetic Field (sensor frame), T

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	0.000119999996968545
yellow high	5.99999984842725e-05
yellow low	-5.99999984842725e-05
red low	-0.000119999996968545
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1232 ac tambfieldraw0**Description**

TamBfieldRaw TAM A Bfield (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1233 ac tambfieldraw1**Description**

TamBfieldRaw TAM A Bfield (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1234 ac tambfieldraw2**Description**

TamBfieldRaw TAM A Bfield (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1235 ac tambfieldrawct0**Description**

TamBfieldRawCnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1236 ac tambfieldrawct1**Description**

TamBfieldRawCnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1237 ac tambfieldrawct2**Description**

TamBfieldRawCnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1238 ac tamdatavalidct**Description**

Number of Counts the TAM BField Rate has been deemed Valid

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1239 ac tamerrors**Description**

FDC Error Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1240 ac tamfdcen**Description**

AC Task: TAM FDC enable indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets**ac slwsensor** (3753)**E.1241 ac tamfdcspare****Description**

spare

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac slwsensor** (3753)**E.1242 ac tamfdcstatussp****Description**

AC_TAM_FDC_Status spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets**ac mediumsensor** (3740)**E.1243 ac tamfirsttm****Description**

AC Slow General Packet: TAM First Time Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1244 ac tamflgssp**Description**

AC Slow General Packet: TAM Flags spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1245 ac tamonlyerrorcnt**Description**

TAMOnlyErrorCnt Error Counter for TAM only rate measurement

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1246 ac tamsel**Description**

Tam Selection Flag; A = 0; B = 1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
TAM.A	0	GOOD
TAM.B	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1247 ac tamsfx**Description**

TamScaleFactorX TAM Scale Factor (Volt/Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1248 ac tamsfy**Description**

TamScaleFactorY TAM Scale Factor (Volt/Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1249 ac tamsfz**Description**

TamScaleFactorZ TAM Scale Factor (Volt/Telsa)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1250 ac tamsol**Description**

AC Task: TAM SOL indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1251 ac tamstrtupdtav**Description**

AC Slow General Packet: TAM Start Up Data Valid Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	2
yellow high	2
yellow low	0
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1252 ac tamtempraw**Description**

TamTempRaw TAM A Temperature (V)

Data Type

64 bits, float, engineering units = V.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1253 ac tamtmp0**Description**

TAM Temperature, DegC

Data Type

64 bits, float, engineering units = C.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	70
yellow low	-30
red low	-45
delta	<i>none</i>

Telemetry Source Packets

ac slwsensor (3753)

E.1254 ac tamtmpvld**Description**

AC Task: Valid TAM temperature indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwsensor (3753)

E.1255 ac tcmdbdy0**Description**

S/C Open-Loop Torque FF Control; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1256 ac tcmdbdy1**Description**

S/C Open-Loop Torque FF Control; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1257 ac tcmdbdy2**Description**

S/C Open-Loop Torque FF Control; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac mediumcont (3738)

E.1258 ac tcmdrwabdy0**Description**

S/C Total Control Torque Command on body; body frame (Nm)

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)**E.1259 ac tcmdrwabdy1****Description**

S/C Total Control Torque Command on body; body frame (Nm)

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)

E.1260 ac tcmdrwabdy2**Description**

S/C Total Control Torque Command on body; body frame (Nm)

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.1261 ac thetaerrbdy0**Description**

S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1262 ac thetaerrbdy1**Description**

S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1263 ac thetaerrbdy2**Description**

S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1264 ac thetaerrflcntr**Description**

Angle Error Fail Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ac mediumcont** (3738)**E.1265 ac thetaerrrlmtbd0****Description**

Limited S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)**E.1266 ac thetaerrrlmtbd1****Description**

Limited S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.1267 ac thetaerrlmtbd2**Description**

Limited S/C Angle Error; Rad

Data Type

64 bits, float, engineering units = Rad.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.1268 ac tmsystem**Description**

System Time; Sec from GPS epoch

Data Type

64 bits, float, engineering units = sec.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstattitude (3733)

E.1269 ac torqueestbdy0**Description**

Estimated S/C Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1270 ac torqueestbdy1**Description**

Estimated S/C Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1271 ac torqueestbdy2**Description**

Estimated S/C Torque, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1272 ac torquefrc0**Description**

AC slow Sensor Packet: Calculated RWA 1 Friction Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)**E.1273 ac torquefrc1****Description**

AC slow Sensor Packet: Calculated RWA 2 Friction Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac fstcont** (3734)

E.1274 ac torquefrc2**Description**

AC slow Sensor Packet: Calculated RWA 3 Friction Torque

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac fstcont (3734)

E.1275 ac torquegyrestbd0**Description**

S/C Gyroscopic FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1276 ac torquegyrestbd1**Description**

S/C Gyroscopic FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1277 ac torquegyrestbd2**Description**

S/C Gyroscopic FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1278 ac torquemtbestbd0**Description**

S/C MTB FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwcont** (3746)**E.1279 ac torquemtbestbd1****Description**

S/C MTB FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwcont** (3746)

E.1280 ac torquemtbestbd2**Description**

S/C MTB FF Torque Command, Nm

Data Type

64 bits, float, engineering units = nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1281 ac torquepidbdy0**Description**

S/C PID Control Torque Command; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1282 ac torquepidbdy1**Description**

S/C PID Control Torque Command; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1283 ac torquepidbdy2**Description**

S/C PID Control Torque Command; body frame; Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwcont (3746)

E.1284 ac torquerwa0**Description**

RWA Torque (per RWA), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)**E.1285 ac torquerwa1****Description**

RWA Torque (per RWA), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**ac slwsensor** (3753)

E.1286 ac torquerwa2**Description**

RWA Torque (per RWA), Nm

Data Type

64 bits, float, engineering units = Nm.

Measurement Source

AC

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

ac slwsensor (3753)

E.1287 ac wheeloff**Description**

RWA Off Indicator (not used)

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwcont (3746)

E.1288 ac wheelon1**Description**

AC Task: RWA 1 wheel on Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1289 ac wheelon2**Description**

AC Task: RWA 2 wheel on Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1290 ac wheelon3**Description**

AC Task: RWA 3 wheel on Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1291 ac wheelon4sp**Description**

AC Task: RWA 4 wheel on Flag, Spare

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AC

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ac slwsensor (3753)

E.1292 ac xbangdsmfok**Description**

AC Slow Attitude Packet Received: XB AN Goods Mag Field Packet Received Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1293 ac xbangdssmecfok**Description**

AC Slow Attitude Packet Received: XB AN Goods Sun Moon Ecef Packet Received Coun

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Discussion

AC Slow Attitude Packet Received: XB AN Goods Sun Moon Ecef Packet Received Counter

Telemetry Source Packets

ac slwattitude (3744)

E.1294 ac xbangdsstvecok**Description**

AC Slow Attitude Packet Received: XB AN Goods Stat Vector Packet Received Counte

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Discussion

AC Slow Attitude Packet Received: XB AN Goods Stat Vector Packet Received Counter

Telemetry Source Packets

ac slwattitude (3744)

E.1295 ac xbapeultlmok**Description**

AC Slow Attitude Packet Received: XB APE Uplink Packet Received Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1296 ac xbepsslwtlmok**Description**

AC Task: Xb EPS Slow Packet Receive Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.1297 ac xbfsttlmerr**Description**

AC Task: Xb Fast Error Packet Receive Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Limits

alarm	limit
red high	10
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ac fstattitude (3733)

E.1298 ac xbfsttlmok**Description**

AC Task: Xb Fast Packet Receive Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.1299 ac xbroutinetmerr**Description**

AC Slow Attitude Packet Received: XB Routine Error Packet Received Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1300 ac xbslwtlmok**Description**

AC Task: Xb Slow Packet Receive Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac fstattitude (3733)

E.1301 ac xbst1tlmok**Description**

AC Slow Attitude Packet Received: XB St1 Packet Received Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AC

Telemetry Source Packets

ac slwattitude (3744)

E.1302 aep algsp1sce**Description**

AEP Software Generated Tlm: Alg spares for SCE

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1303 aep arraycursce**Description**

AEP Software Generated Tlm: Array Current - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1304 aep batcursce

Description

AEP Software Generated Tlm: Battery Current - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1305 aep batot

Description

AEP Software Generated Telemetry: Battery Overtemp

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
Nominal	0	GOOD
Overtemp	1	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1306 aep batov

Description

AEP Software Generated Telemetry: Battery Overvolt

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
Nominal	0	GOOD
Overvolt	1	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1307 aep busvoltsce**Description**

AEP Software Generated Tlm: Battery Voltage - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1308 aep cell1pressce**Description**

AEP Software Generated Tlm: Cell1 Pressure - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1309 aep cell1tmpsce**Description**

AEP Software Generated Tlm: Cell1 Temp - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1310 aep cell2pressce**Description**

AEP Software Generated Tlm: Cell2 Pressure - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1311 aep cell2tmpsce**Description**

AEP Software Generated Tlm: Cell2 Temp - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1312 aep chgmd**Description**

AEP Software Generated Telemetry: Charge Mode

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
TRICKLE	0	GOOD
TAPER	1	GOOD
FULL	2	GOOD
DISCHARGE	3	GOOD

Telemetry Source Packets

aep soft_tlm (3760)

E.1313 aep chgst**Description**

AEP Software Generated Telemetry: Charge State

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1314 aep cmdacpt**Description**

AEP Software Generated Tlm: Command Accept

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1315 aep cmdrejct**Description**

AEP Software Generated Tlm: Command Reject

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1316 aep computedsoc**Description**

APE calculated state of charge (percent)

Data Type

32 bits, float, engineering units = any.

Measurement Source

AEP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	120
yellow high	101
yellow low	50
red low	45
delta	<i>none</i>

Telemetry Source Packets

aep soft_tlm (3760)

E.1317 aep dcshtindex**Description**

AEP Software Generated Tlm: DC Shunt Index

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1318 aep entry**Description**

AEP Software Generated Tlm: Entry

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1319 aep excnt**Description**

AEP Software Generated Tlm: Execute count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1320 aep exit**Description**

AEP Software Generated Tlm: Exit

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1321 aep hws**Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1322 aep hwss**Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1323 aep imuwarningtmr**Description**

AEP Software Generated Tlm: IMU Warning Timer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1324 aep ldcursce**Description**

AEP Software Generated Tlm: APE Load Current - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1325 aep ldshedlevel**Description**

AEP Software Generated Telemetry: Load Shed Level

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
NOSHED	0	GOOD
LEVEL2	3	BAD
LEVEL1	4	BAD
LEVEL0	5	BAD

Telemetry Source Packets**aep soft_tlm** (3760)**E.1326 aep lws****Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm** (3760)**E.1327 aep lwss****Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm** (3760)**E.1328 aep otprotectsce****Description**

AEP Software Generated Tlm:Overtemp protect SCE

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

aep soft_tlm (3760)

E.1329 aep ovprotectsce**Description**

AEP Software Generated Tlm:Overvolt protect SCE

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

aep soft_tlm (3760)

E.1330 aep pid**Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1331 aep pl**Description**

AEP Software Generated Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1332 aep prevdod**Description**

AEP Software Generated Tlm: Present Depth of Discharge (100-SOC)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1333 aep ptsoc**Description**

Pressure-temperature state of charge (percent)

Data Type

32 bits, float, engineering units = any.

Measurement Source

AEP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	120
yellow high	101
yellow low	50
red low	45
delta	<i>none</i>

Telemetry Source Packets

aep soft_tlm (3760)

E.1334 aep sadeploymonsce**Description**

AEP Software Generated Tlm:Solar Array Deploy Monitor - SCE

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1335 aep sct**Description**

AEP Software Generated Telemetry: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm** (3760)**E.1336 aep sflg****Description**

AEP Software Generated Telemetry: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm** (3760)**E.1337 aep shcardcnt****Description**

AEP Software Generated Tlm: Shunt Card ID Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm** (3760)**E.1338 aep sp1****Description**

AEP Software Generated Tlm: Spare1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm (3760)****E.1339 aep sp10****Description**

AEP Software Generated Tlm: Spare10

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm (3760)****E.1340 aep sp2****Description**

AEP Software Generated Tlm: Spare2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm (3760)****E.1341 aep sp3****Description**

AEP Software Generated Tlm: Spare3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets**aep soft_tlm (3760)**

E.1342 aep sp4**Description**

AEP Software Generated Tlm: Spare4

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1343 aep sp5**Description**

AEP Software Generated Tlm: Spare5

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1344 aep sp6**Description**

AEP Software Generated Tlm: Spare6

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1345 aep sp7**Description**

AEP Software Generated Tlm: Spare7

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1346 aep sp8**Description**

AEP Software Generated Tlm: Spare8

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1347 aep sp9**Description**

AEP Software Generated Tlm: Spare9

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1348 aep spssce**Description**

AEP Software Generated Tlm: spares - SCE

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AEP

Telemetry Source Packets

aep soft_tlm (3760)

E.1349 aep totalbatvsce**Description**

AEP Software Generated Tlm: Total Battery Voltage - SCE

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

AEP

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD
OUTRANGE	2	BAD
DELTAMAX	3	BAD

Telemetry Source Packets

aep soft_tlm (3760)

E.1350 an acmfldtavld**Description**

AN AC MagField Vector (ECI) Tlm; Valid Data flag

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an acmftlm** (3762)**E.1351 an acmfhws****Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an acmftlm** (3762)**E.1352 an acmfhwss****Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an acmftlm** (3762)**E.1353 an acmflws****Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an acmftlm** (3762)

E.1354 an acmflwss**Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1355 an acmfpid**Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1356 an acmfpl**Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1357 an acmfsct**Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1358 an acmfsflg**Description**

AN AC MagField Vector (ECI) Tlm; Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1359 an acmftlmcnt**Description**

AC Magfield tlm cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1360 an acmftlmmfpkts0**Description**

AN AC MagField Vector (ECI) Tlm; spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1361 an acmftlmmfpkts1**Description**

AN AC MagField Vector (ECI) Tlm; spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1362 an acmftlmonoff**Description**

AC magfield vector tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1363 an acmftow**Description**

AN AC MagField Vector (ECI) Tlm; Time Of Week

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1364 an acmfvecj2k0**Description**

AN AC MagField Vector (ECI) Tlm; Vector J2000 (0)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1365 an acmfvecj2k1**Description**

AN AC MagField Vector (ECI) Tlm; Vector J2000 (1)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1366 an acmfvecj2k2**Description**

AN AC MagField Vector (ECI) Tlm; Vector J2000 (2)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1367 an acmfweek**Description**

AN AC MagField Vector (ECI) Tlm; Week Number

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acmftlm (3762)

E.1368 an acsmecf2d2j2k00**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1369 an acsmecf2d2j2k01**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1370 an acsmecf2d2j2k02**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1371 an acsmecf2d2j2k10**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1372 an acsmecf2d2j2k11**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1373 an acsmecf2d2j2k12**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1374 an acsmecf2d2j2k20**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1375 an acsmecf2d2j2k21**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1376 an acsmecf2d2j2k22**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1377 an acsmecfcnt**Description**

AC Sun/Moon/Ecef Tlm cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1378 an acsmecfecf2j2ktm**Description**

gps time in double format

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1379 an acsmecfgha**Description**

Greenwich hour angle (radians)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1380 an acsmecfhws**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1381 an acsmecfhwss**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1382 an acsmecflws**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1383 an acsmecflwss**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1384 an acsmecfmoonpos0**Description**

moon position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1385 an acsmecfmoonpos1**Description**

moon position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1386 an acsmecfmoonpos2**Description**

moon position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1387 an acsmecfonoff**Description**

AC sun moon ecef parms tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1388 an acsmecfpid**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1389 an acsmecfpl**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1390 an acsmecfpmcx**Description**

X component of polar motion correction

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1391 an acsmecfpmcy**Description**

Y component of polar motion correction

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1392 an acsmecfrefmtow**Description**

GPS seconds from midnight 01/06/80

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1393 an acsmecfreftmweek**Description**

reference GPS week

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1394 an acsmecfsct**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1395 an acsmecfsflg**Description**

AN AC Sun Moon ECEF Parm's Telemetry: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1396 an acsmecfsunpos0**Description**

sun position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1397 an acsmecfsunpos1**Description**

sun position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1398 an acsmecfsunpos2**Description**

sun position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1399 an acsmecfsunvel0**Description**

sun velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1400 an acsmecfsunvel1**Description**

sun velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1401 an acsmecfsunvel2**Description**

sun velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1402 an acsmpadb0**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1403 an acsmpadb1**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1404 an acsmpadb2**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1405 an acsmpadb3**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1406 an acsmpadb4**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1407 an acsmpadb5**Description**

Spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1408 an acsmppadb0**Description**

AN AC Sun Moon ECEF Parm's Tlm: Sun Moon ECEF pad (0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1409 an acsmppadb1**Description**

AN AC Sun Moon ECEF Parm's Tlm: Sun Moon ECEF pad (1)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acsmecf (3763)

E.1410 an acstvechws**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1411 an acstvechwss**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1412 an acstveclws**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1413 an acstveclwss**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1414 an acstvecpadb0**Description**

AN AC State Vector Telemetry: state vector pad (0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1415 an acstvecpadb1**Description**

AN AC State Vector Telemetry: state vector pad (0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1416 an acstvecpid**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1417 an acstvecpl**Description**

AN AC State Vector Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1418 an acstvecqual**Description**

AN AC State Vector Telemetry: state vector quality indicator

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1419 an acstvecsct**Description**

AN AC State Vector Telemetry: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1420 an acstvecsflg**Description**

AN AC State Vector Telemetry: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1421 an acstvectlmcnt**Description**

ANtoAC State Vector tlm cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1422 an acstvectmonoff**Description**

AC State Vector tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1423 an acstvectow**Description**

AN AC State Vector Telemetry: state vector time of week (sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1424 an acstvecweek**Description**

AN AC State Vector Telemetry: state vector week

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1425 an acstvecxposj2k**Description**

X Position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1426 an acstvecxvelj2k**Description**

X Velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1427 an acstvecyposj2k**Description**

Y Position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1428 an acstvecyvelj2k**Description**

Y Velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1429 an acstveczposj2k**Description**

Z Position; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1430 an acstveczvelj2k**Description**

Z Velocity; J2000

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an acstvectlm (3765)

E.1431 an alarmsrstcnt**Description**

task alarms reset cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1432 an cyclssncgndupdct**Description**

Goods cycles since last State Vector upload

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1433 an dtblseled**Description**

Number dump table selected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1434 an dyndtblct**Description**

Goods Dynamic data dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1435 an dyndtblupdt**Description**

Goods Dynamic data dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1436 an dynltblct**Description**

Goods Dynamic data load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1437 an dynltblrjct**Description**

Goods Dynamic data load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1438 an ecf2j2kgha**Description**

Greenwich hour angle (radians)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1439 an ecf2j2khws**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1440 an ecf2j2khwss**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1441 an ecf2j2klws**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1442 an ecf2j2klwss**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1443 an ecf2j2kpadb0**Description**

AN Goods ECEF to J2K tlm:pad (0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1444 an ecf2j2kpadb1**Description**

AN Goods ECEF to J2K tlm:pad (1)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1445 an ecf2j2kpid**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1446 an ecf2j2kpl**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an ecf2j2ktlm** (3766)**E.1447 an ecf2j2kpmcx****Description**

X component of polar motion correction

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an ecf2j2ktlm** (3766)**E.1448 an ecf2j2kpmcy****Description**

Y component of polar motion correction

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an ecf2j2ktlm** (3766)**E.1449 an ecf2j2ksct****Description**

AN Goods ECEF to J2K tlm: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an ecf2j2ktlm** (3766)

E.1450 an ecf2j2ksflg**Description**

AN Goods ECEF to J2K tlm: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1451 an ecf2j2ktm**Description**

gps time in double format

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1452 an ecf2j2ktod2j2k00**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1453 an ecf2j2ktod2j2k01**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1454 an ecf2j2ktod2j2k02**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1455 an ecf2j2ktod2j2k10**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1456 an ecf2j2ktod2j2k11**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1457 an ecf2j2ktod2j2k12**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1458 an ecf2j2ktod2j2k20**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1459 an ecf2j2ktod2j2k21**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1460 an ecf2j2ktod2j2k22**Description**

True-of-Date to J2000 direction cosine matrix

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an ecf2j2ktlm (3766)

E.1461 an ecj2ktlmcnt**Description**

Goods Ecef to J2K tlm count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1462 an ecfj2ktlmonoff**Description**

Goods ecef to J2K parms tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1463 an fdironoffcmdrjct**Description**

Goods FDIR ON/OFF cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1464 an fdironoffct**Description**

Goods FDIR ON/OFF cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1465 an fdirtoldtblct**Description**

Goods FDIR tolerances dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1466 an fdirtoldtblupdt**Description**

Goods FDIR tolerances dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1467 an fdirtolltblct**Description**

Goods FDIR tolerances load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1468 an fdirtolltblrjct**Description**

Goods FDIR tolerances load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1469 an gdshkcoefficient**Description**

AN Goods Housekeeping Telemetry: Coefficient

Data Type

32 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1470 an gdshkfdirend**Description**

AN Goods Housekeeping Telemetry: FDIR Enabled

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1471 an gdshkgpstmtow**Description**

AN Goods Housekeeping Telemetry: GPS Time; Time of week (sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1472 an gdshkgpstnweek**Description**

AN Goods Housekeeping Telemetry: gps time; week

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1473 an gdshkhws**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1474 an gdshkhwss**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1475 an gdshklws**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1476 an gdshklwss**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an gdshktlm** (3767)**E.1477 an gdshkmdstat****Description**

AN Goods Housekeeping Telemetry: Mode Status

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

AN

State Conversions

state	value	desirability
HaltPreInit	1	CAUTION
Initialized	2	CAUTION
Normal	3	GOOD
HaltFailUD	4	BAD
HaltFailApses	5	BAD
HaltFailProp	6	BAD

Telemetry Source Packets**an gdshktlm** (3767)**E.1478 an gdshkpid****Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an gdshktlm** (3767)**E.1479 an gdshkpl****Description**

AN Goods Housekeeping Telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1480 an gdshkppadb0**Description**

AN Goods Housekeeping Telemetry: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1481 an gdshkppadb1**Description**

AN Goods Housekeeping Telemetry: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1482 an gdshksct**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1483 an gdshksflg**Description**

AN Goods Housekeeping Telemetry: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1484 an gdshktlmcnt**Description**

Goods Housekeeping tlm sent cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1485 an gdshktlmonoff**Description**

Goods Housekeeping tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an tskdgtlm** (3769)**E.1486 an gdshkxposj2k****Description**

AN Goods Housekeeping Telemetry: x Position J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an gdshktlm** (3767)**E.1487 an gdshkxvelj2k****Description**

AN Goods Housekeeping Telemetry: x Velocity J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an gdshktlm** (3767)**E.1488 an gdshkyposj2k****Description**

AN Goods Housekeeping Telemetry: y Position J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets**an gdshktlm** (3767)

E.1489 an gdshkyvelj2k**Description**

AN Goods Housekeeping Telemetry: y Velocity J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1490 an gdshkzposj2k**Description**

AN Goods Housekeeping Telemetry: z Position J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1491 an gdshkzvelj2k**Description**

AN Goods Housekeeping Telemetry: z Velocity J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdshktlm (3767)

E.1492 an gdssmpadb0**Description**

AN Goods Sun Moon ECEF Parm's tlm: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1493 an gdssmpadb1**Description**

AN Goods Sun Moon ECEF Parm's tlm: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1494 an gdssmposhws**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1495 an gdssmposhwss**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1496 an gdssmposlwss**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1497 an gdssmposlwss**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1498 an gdssmposmoonpos0**Description**

moon position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1499 an gdssmposmoonpos1**Description**

moon position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1500 an gdssmposmoonpos2**Description**

moon position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1501 an gdssmpospid**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1502 an gdssmpospl**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1503 an gdssmpossct**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1504 an gdssmpossflg**Description**

AN Goods Sun Moon ECEF Parm's tlm: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1505 an gdssmpossunpos0**Description**

sun position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1506 an gdssmpossunpos1**Description**

sun position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1507 an gdssmpossunpos2**Description**

sun position; J2000 (m)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1508 an gdssmpossunvel0**Description**

sun velocity; J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1509 an gdssmpossunvel1**Description**

sun velocity; J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1510 an gdssmpossunvel2**Description**

sun velocity; J2000 (m/s)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1511 an gdssmpostlmcnt**Description**

Goods Sun/Moon position tlm cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1512 an gdssmpostlmtow**Description**

AN Goods Sun Moon ECEF Parm's tlm: time of week (sec)

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1513 an gdssmpostmonoff**Description**

Goods sun moon pos tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1514 an gdssmpostmweek**Description**

AN Goods Sun Moon ECEF Parm's tlm: Week

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1515 an gdssmspare0**Description**

AN Goods Sun Moon ECEF Parm's tlm: Moon Pos spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1516 an gdssmspare1**Description**

AN Goods Sun Moon ECEF Parm's tlm: Moon Pos spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1517 an gdssmspare2**Description**

AN Goods Sun Moon ECEF Parm's tlm: Moon Pos spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an gdssmpostlm (3768)

E.1518 an haltrstcmdrjct**Description**

Goods Halt-Reset cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1519 an haltrstct**Description**

Goods Halt-Reset cmd execnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1520 an hpcfgcmdrjct**Description**

Goods Harris Priester cfg cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1521 an hpcfgct**Description**

Goods Harris Priester cfg cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1522 an hpcfgdtblct**Description**

Goods Harris Priester cfg dump table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1523 an hpcfgdtblupdt**Description**

Goods Harris Priester cfg dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1524 an hpcfgltblct

Description

Goods Harris Priestster Cfg load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1525 an hpcfgltblrjct

Description

Goods Harris Priestster Cfg load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1526 an initcmdrjct

Description

Goods initialize cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1527 an initct**Description**

Goods initialize cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1528 an initgdstodefct**Description**

AN Task Diagnostic Tlm: Init Goods to Defaults Execute Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1529 an istveccmdrjct**Description**

Goods Initial State vector cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1530 an istvecct**Description**

Goods Initial State vector cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1531 an istvecdtblct**Description**

Goods Initial state vector dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1532 an istvecdtblupdt**Description**

Goods Initial state vector dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1533 an istvecltblct**Description**

Goods Initial state vector load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1534 an istvecltblrjct**Description**

Goods Initial state vector load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1535 an mfdtblct**Description**

AN Task Diagnostic Tlm: Mag Field Dump Tbl Exec Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1536 an mfdtblupdt**Description**

AN Task Diagnostic Tlm: Mag Field Dump Table Update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1537 an mfnitcnt**Description**

AN Task Diagnostic Tlm: Mag Field Init Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1538 an mfltblct**Description**

AN Task Diagnostic Tlm:Mag Field Load Tbl Exec Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1539 an minmaxdtblct**Description**

Goods MinMax dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1540 an minmaxdtblupdt**Description**

Goods MinMax dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1541 an minmaxvalcmdrjct**Description**

Goods Min-Max value cmd rej cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1542 an minmaxvalct**Description**

Goods Min-Max value cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1543 an opvalsdtblct**Description**

Goods Operating Parm's values dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1544 an opvalsdtblupdt**Description**

Goods Operating Parm's values dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1545 an opvalsltblct**Description**

Goods operating parm's values load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1546 an opvalsltblrjct**Description**

Goods operating parm's values load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1547 an orbcfgdtblct**Description**

AN Task Diagnostic Tlm: ORB Cfg Dump Tbl Exec Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1548 an orbcfgdtblupdt**Description**

AN Task Diagnostic Tlm: OrbCfg Dump Table Update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1549 an orbcfgltblct**Description**

AN Task Diagnostic Tlm: ORB Cfg Load Tbl Exec Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1550 an orbcfgltblrjct**Description**

AN Task Diagnostic Tlm: ORB Cfg Load Tbl Reject Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1551 an passtm**Description**

Task execution pass time

Data Type

64 bits, float, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1552 an refalldtblsct**Description**

Refresh all dump tables cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1553 an refseldtblct**Description**

Refresh selected dump tables cmd exe cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1554 an sbreadpipecnt**Description**

software bus read pipe count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1555 an tdhws**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1556 an tdlwss**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1557 an tdlws**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1558 an tdlwss**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1559 an tdpid**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1560 an tdpl**Description**

AN Task Diagnostic Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1561 an tdsct**Description**

AN Task Diagnostic Tlm: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1562 an tdsflg**Description**

AN Task Diagnostic Tlm: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1563 an tdsp20**Description**

7 bytes to make tlm pkt length = odd number

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1564 an tdsp21**Description**

7 bytes to make tlm pkt length = odd number

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1565 an tdsp22**Description**

7 bytes to make tlm pkt length = odd number

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1566 an tdsp23**Description**

7 bytes to make tlm pkt length = odd number

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1567 an tdsp24**Description**

7 bytes to make tlm pkt length = odd number

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1568 an tdtlmcnt**Description**

AN Task Diagnostic tlm sent cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1569 an tdtlmonoff**Description**

Task Tlm ena/dis

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1570 an tmct**Description**

Time command received count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1571 an tskcmdrjct**Description**

AN task commands rejected cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1572 an tskct**Description**

AN task command executed cnt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1573 an tskdgpadb0**Description**

AN Task Diagnostic Tlm: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1574 an tskdgpadb1**Description**

AN Task Diagnostic Tlm: Pad

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1575 an usconstdtblct**Description**

Goods User constant dump table update

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1576 an usconstdtblupdt**Description**

Goods User constant dump table update flag

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1577 an usconstltblct**Description**

Goods User constants load table exe cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Telemetry Source Packets

an tskdgtlm (3769)

E.1578 an usconstltblrjct**Description**

Goods User constants load table rej cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

AN

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

an tskdgtlm (3769)

E.1579 ape asm1553sp0**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1580 ape asm1553sp1**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1581 ape asm1553sp10**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1582 ape asm1553sp11**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1583 ape asm1553sp12**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1584 ape asm1553sp13**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1585 ape asm1553sp14**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1586 ape asm1553sp15**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1587 ape asm1553sp2**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1588 ape asm1553sp3**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1589 ape asm1553sp4**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1590 ape asm1553sp5**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1591 ape asm1553sp6**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1592 ape asm1553sp7**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1593 ape asm1553sp8**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1594 ape asm1553sp9**Description**

not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1595 ape asmcmdacpt**Description**

APE Task: APE safehold monitor commands accepted

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1596 ape asmcmdrejct**Description**

APE Task: APE safehold monitor commands rejected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1597 ape asmdeployen**Description**

APE Safehold Software Generated Tlm: Deploy enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	CAUTION

Telemetry Source Packets**ape safe_soft_tlm (3774)****E.1598 ape asmdeployseq****Description**

APE Task: asm deploy sequence status flag

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
INACT	0	GOOD
ACTIVE	1	CAUTION
COMPLETE	2	GOOD

Telemetry Source Packets**ape safe_soft_tlm (3774)****E.1599 ape asmentrycnt****Description**

APE Task: APE safehold monitor entry counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets**ape safe_soft_tlm (3774)****E.1600 ape asmexcnt****Description**

APE Task: APE safehold monitor exec counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1601 ape asmexitcnt**Description**

APE Task: APE safehold monitor exit counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1602 ape asmldshedlevel**Description**

APE Task: APE safehold monitor loadshed level

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO.SHED	0	GOOD
UNUSED	1	BAD
LEVEL2_PREP	2	CAUTION
LEVEL2	3	BAD
LEVEL1	4	BAD
RESTORE	5	CAUTION

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1603 ape asmppptmr**Description**

APE Safehold Software Generated Tlm: ppp timer

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1604 ape asmscsep1swstat**Description**

APE Task: asm spacecraft separation switch 1 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NOT	0	CAUTION
SEP	1	GOOD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1605 ape asmscsep2swstat**Description**

APE Task: asm spacecraft separation switch 2 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NOT	0	CAUTION
SEP	1	GOOD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1606 ape asmscsep3swstat**Description**

APE Task: asm spacecraft separation switch 3 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NOT	0	CAUTION
SEP	1	GOOD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1607 ape asmsepflg**Description**

APE Task: APE safehold monitor separation flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	CAUTION
YES	1	GOOD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1608 ape asmseps0**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1609 ape asmseps1**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1610 ape asmseps1015**Description**

APE Safehold Software Generated Tlm: spare

Data Type

6 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1611 ape asmsepsp2**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1612 ape asmsepsp3**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1613 ape asmsepsp8**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1614 ape exdwlinstradr**Description**

APE Safehold Software Generated Tlm: Exec Dwell Instr Addr

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1615 ape exdwlopadr**Description**

APE Safehold Software Generated Tlm: Exec Dwell Op Addr

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1616 ape exeacssus**Description**

APE Exec Tlm: acs suspend

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
ENABLED	0	GOOD
SUSPEND	1	BAD

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1617 ape exeactualbtbank**Description**

APE Exec Tlm: Actual BT Bank

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
BANK1	0	GOOD
BANK2	1	GOOD

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1618 ape exeaepsus**Description**

APE Exec Tlm: aep suspend

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
ENABLED	0	GOOD
SUSPEND	1	BAD

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1619 ape exeautsus**Description**

APE Exec Tlm: aut suspend

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
ENABLED	0	GOOD
SUSPEND	1	BAD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1620 ape exedccserr**Description**

APE Exec Tlm: dc cs err

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	CAUTION

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1621 ape exedclenerr**Description**

APE Exec Tlm: dc len err

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	CAUTION

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1622 ape exedladr**Description**

APE Exec Tlm: D l address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1623 ape exedllen**Description**

APE Exec Tlm: D l len

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1624 ape exedtachksen**Description**

APE Exec Tlm:data checks enabled

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1625 ape exeexctr**Description**

APE Exec Tlm: Execute Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1626 ape exefrovfctr**Description**

APE Exec Tlm: FR OVF Counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft.tlm (3772)

E.1627 ape exeinstchksen**Description**

APE Exec Tlm: inst checks enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1628 ape exeinstdwact**Description**

APE Exec Tlm: inst dwell act

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
INACT	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1629 ape exeinstdwout**Description**

APE Exec Tlm: inst dw out

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1630 ape exelstbadcmd0**Description**

APE Exec Tlm: last bad command (0)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1631 ape exelstbadcmd1**Description**

APE Exec Tlm: last bad command (1)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1632 ape exelstbadcmd2**Description**

APE Exec Tlm: last bad command (2)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1633 ape exelstbadcmd3**Description**

APE Exec Tlm: last bad command (3)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1634 ape exelstbadcmd4**Description**

APE Exec Tlm: last bad command (4)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1635 ape exelstokcmd0**Description**

APE Exec Tlm: last ok command (0)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1636 ape exelstokcmd1**Description**

APE Exec Tlm: last ok command (1)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1637 ape exelstokcmd2**Description**

APE Exec Tlm: last ok command (2)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1638 ape exelstokcmd3**Description**

APE Exec Tlm: last ok command (3)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1639 ape exelstokcmd4**Description**

APE Exec Tlm: last ok command (4)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1640 ape exemajorfrm**Description**

APE Exec Tlm: Major Frame

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1641 ape exeminorfrm**Description**

APE Exec Tlm: Minor Frame

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1642 ape exeopdwlact

Description

APE Exec Tlm: op dwell act

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
INACT	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1643 ape exeopdwout

Description

APE Exec Tlm: op dw out

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1644 ape exereqbtbank

Description

APE Exec Tlm: Req BT Bank

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
BANK1	0	GOOD
BANK2	1	GOOD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1645 ape exerestcnt**Description**

APE Exec Tlm: restart count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1646 ape exesafhld**Description**

APE Exec Tlm: Safehold

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1647 ape exeshmsus**Description**

APE Exec Tlm: shm suspend

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
ENABLED	0	GOOD
SUSPEND	1	BAD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1648 ape exesp**Description**

APE Exec Tlm: Spare

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1649 ape exesubadd1en**Description**

APE Exec Tlm: subadd 1 enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1650 ape exesussp**Description**

APE Exec Tlm: suspend spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1651 ape exetblnum**Description**

APE Exec Tlm: Table Number

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1652 ape exetskcmderrs**Description**

APE Exec Tlm: Task Command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1653 ape exeutilact**Description**

APE Exec Tlm: Util Act

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1654 ape exhksopt**Description**

APE Exec Tlm: checks output

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1655 ape exhws**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1656 ape exhwss**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1657 ape exlws**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1658 ape exlwss**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1659 ape exmderrs**Description**

APE Exec Tlm: Command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1660 ape exmdsok**Description**

APE Exec Tlm: Commands ok

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1661 ape exmdstoseq**Description**

APE Exec Tlm: Commands to sequence

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1662 ape expid**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1663 ape expl**Description**

APE Exec Tlm: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1664 ape exrashcnt**Description**

APE Exec Tlm: crash count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1665 ape exrashreason**Description**

APE Exec Tlm: crash reason

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1666 ape exrevision**Description**

APE Safehold Software Generated Tlm: APE Exec Revision

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1667 ape exsct**Description**

APE Exec Tlm: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1668 ape exsflg**Description**

APE Exec Tlm: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1669 ape exsp1**Description**

APE Safehold Software Generated Tlm: spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1670 ape exsrsave**Description**

APE Exec Tlm: CSR Save

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape ex_soft_tlm (3772)

E.1671 ape exversion**Description**

APE Safehold Software Generated Tlm: APE Exec Version

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1672 ape safehws**Description**

APE Task: Safe Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1673 ape safehwss**Description**

APE Task: Safe Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1674 ape safelws**Description**

APE Task: Safe Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1675 ape safelwss**Description**

APE Task: Safe Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1676 ape safepid**Description**

APE Task: Safe Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1677 ape safepl**Description**

APE Task: Safe Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1678 ape safesct**Description**

APE Task: Safe Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1679 ape safesflg**Description**

APE Task: Safe Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1680 ape safhldcausesp**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1681 ape shc1553**Description**

flag for safehold entry by 1553 command

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1682 ape shchlp**Description**

flag for safehold entry by HLP command

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1683 ape shcmaj**Description**

flag for safehold entry by loss of major frame sync (OIP)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1684 ape shcmin**Description**

flag for safehold entry by loss of minor frame sync (OIP)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1685 ape shcrwa**Description**

flag for safehold entry by loss of RWA commands

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1686 ape shcsoc**Description**

APE Safehold Software Generated Tlm: calculated state of charge (fraction of 1)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1687 ape shcsp**Description**

APE Safehold Software Generated Tlm: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

APE

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1688 ape shctclk**Description**

flag for safehold entry by loss of 2 Khz clock

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

APE

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

ape safe_soft_tlm (3774)

E.1689 di adr**Description**

DI Task: address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1690 di badpid**Description**

DI Task: Bad Packet id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1691 di blastramtst**Description**

DI Task: Blast RAM Test

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1692 di cmdsaaccepted**Description**

DI Task: Number of commands accepted

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1693 di cmdsrej**Description**

DI Task: Number of commands rejected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1694 di dispare**Description**

DI Task: SPARE

Data Type

6 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1695 di errorcnt**Description**

DI Task: Error Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1696 di lasterrcode**Description**

DI Task: Last Error Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets**di tlm_pkt** (3776)**E.1697 di maptest****Description**

DI Task: MAP Test

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets**di tlm_pkt** (3776)**E.1698 di modetest****Description**

DI Task: MODE Test

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets**di tlm_pkt** (3776)**E.1699 di ramintegbank1****Description**

DI Task: RAM Integ Bank 1

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets**di tlm_pkt** (3776)

E.1700 di ramintegbank10**Description**

DI Task: RAM Integ Bank 10

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1701 di ramintegbank11**Description**

DI Task: RAM Integ Bank 11

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1702 di ramintegbank12**Description**

DI Task: RAM Integ Bank 12

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1703 di ramintegbank13**Description**

DI Task: RAM Integ Bank 13

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1704 di ramintegbank14**Description**

DI Task: RAM Integ Bank 14

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1705 di ramintegbank15**Description**

DI Task: RAM Integ Bank 15

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1706 di ramintegbank16**Description**

DI Task: RAM Integ Bank 16

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1707 di ramintegbank2**Description**

DI Task: RAM Integ Bank 2

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1708 di ramintegbank3**Description**

DI Task: RAM Integ Bank 3

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1709 di ramintegbank4**Description**

DI Task: RAM Integ Bank 4

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1710 di ramintegbank5**Description**

DI Task: RAM Integ Bank 5

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1711 di ramintegbank6**Description**

DI Task: RAM Integ Bank 6

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1712 di ramintegbank7**Description**

DI Task: RAM Integ Bank 7

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1713 di ramintegbank8**Description**

DI Task: RAM Integ Bank 8

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1714 di ramintegbank9**Description**

DI Task: RAM Integ Bank 9

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1715 di rdbackerrs**Description**

DI Task: Read Back Errors

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1716 di registertest**Description**

DI Task: REGISTER Test

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1717 di tlmphkthws**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1718 di tlm_pkt**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1719 di tlm_pkt**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1720 di tlm_pkt**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1721 di tlmpktpid**Description**

DI Task: Diagnostic Telemetry Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1722 di tlmpktpl**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1723 di tlmpktsct**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1724 di tlmptsflg**Description**

DI Task: Diagnostic Telemetry Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1725 di tmrtest**Description**

DI Task: TMR Test

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1726 di tstval**Description**

DI Task: Test Value

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

DI

Telemetry Source Packets

di tlm_pkt (3776)

E.1727 dl ccdsrandbypass**Description**

Downlink Superpacket by sw from dl card: CCSDS Rand Bypass

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoBypass	0	GOOD
Bypass	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1728 dl ccdsrndmize**Description**

Downlink Superpacket by sw from dl card: CCSDS Randomize

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
ON	0	GOOD
OFF	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1729 dl ceccsds**Description**

Downlink Superpacket by sw from dl card: CE CCSDS

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NonCCSDS	0	CAUTION
CCSDS	1	GOOD

Telemetry Source Packets

dl sppkt (3778)

E.1730 dl convenbit**Description**

Convolutional Encoding ENA bit (0=ENA; 1=DIS)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

dl sppkt (3778)

E.1731 dl convencbypass**Description**

Downlink Superpacket by sw from dl card: Conv Enc Bypass

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoBypass	0	GOOD
Bypass	1	CAUTION

Telemetry Source Packets**dl sppkt (3778)****E.1732 dl ffovrfllow****Description**

Downlink Superpacket by sw from dl card: FIFO Overflow

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Overflow	1	BAD

Telemetry Source Packets**dl sppkt (3778)****E.1733 dl ffsyncerr****Description**

Downlink Superpacket by sw from dl card: FIFO Sync Error

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Error	1	BAD

Telemetry Source Packets**dl sppkt (3778)**

E.1734 dl ffunrunerr**Description**

Downlink Superpacket by sw from dl card: FIFO Underrun Error

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Underrun	1	BAD

Telemetry Source Packets

dl sppkt (3778)

E.1735 dl haltflg**Description**

Downlink Superpacket by sw from dl card: Halt Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Latch	1	GOOD

Telemetry Source Packets

dl sppkt (3778)

E.1736 dl hss2ct**Description**

Downlink Superpkt by sw from dl card: HSS2 Command Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1737 dl hss2ffovrflow**Description**

Downlink Superpkt by sw from dl card: HSS2 FIFO Overflow

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1738 dl hss2ffunderflow**Description**

Downlink Superpkt by sw from dl card: HSS2 FIFO Underflow

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**dl sppkt (3778)****E.1739 dl hss2framingerr****Description**

Downlink Superpkt by sw from dl card: HSS2 Framing Error

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**dl sppkt (3778)****E.1740 dl hss2incommmsg****Description**

Downlink Superpkt by sw from dl card: HSS2 Incomplete Msg

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**dl sppkt (3778)**

E.1741 dl hss2ivopcode**Description**

Downlink Superpkt by sw from dl card: HSS2 Invalid Opcode

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1742 dl hss2parityerr**Description**

Downlink Superpkt by sw from dl card: HSS2 Parity Err

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1743 dl hss2seqerr**Description**

Downlink Superpkt by sw from dl card: HSS2 Sequence Error

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1744 dl hss2tlmfrmcnt**Description**

Downlink Superpacket by sw from dl card: HSS2 Tlm Frame Cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1745 dl inhibithss2input**Description**

Downlink Superpacket by sw from dl card: Inhib HSS2 Input

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoInhibit	0	GOOD
Inhibit	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1746 dl inhibitinput2**Description**

Downlink Superpacket by sw from dl card: Inhib Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1747 dl inhibitinput3**Description**

Downlink Superpacket by sw from dl card: Inhib Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1748 dl inhibitinput4**Description**

Downlink Superpacket by sw from dl card: Inhib Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1749 dl inhibitinput5**Description**

Downlink Superpacket by sw from dl card: Inhib Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1750 dl inhibitinput6**Description**

Downlink Superpacket by sw from dl card: Inhib Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1751 dl inhibitpbinput**Description**

Downlink Superpacket by sw from dl card: Inhib PB Input

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoInhibit	0	GOOD
Inhibit	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1752 dl inhibtscsainput**Description**

Downlink Superpacket by sw from dl card: Inhib SCSA Input

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoInhibit	0	GOOD
Inhibit	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1753 dl lrdrivers**Description**

Downlink Superpacket by sw from dl card: LR A Drivers

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
ON	0	GOOD
OFF	1	CAUTION

Telemetry Source Packets**dl sppkt (3778)****E.1754 dl lrbdrivers****Description**

Downlink Superpacket by sw from dl card: LR B Drivers

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
ON	0	GOOD
OFF	1	CAUTION

Telemetry Source Packets**dl sppkt (3778)****E.1755 dl lrbiterate****Description**

Downlink Superpacket by sw from dl card: LR bit Rate

Data Type

13 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
RATE_2_0MBPS	1	GOOD
RATE_4_0KBPS	499	GOOD

Telemetry Source Packets**dl sppkt (3778)**

E.1756 dl nrzltom**Description**

Downlink Superpacket by sw from dl card: NRZ L to M

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
ON	0	GOOD
OFF	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1757 dl pid**Description**

DL Task: Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1758 dl pktsecshi**Description**

DL Task: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1759 dl pktsecslo****Description**

DL Task: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1760 dl pktsubsecshi****Description**

DL Task: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1761 dl pktsubsecslo****Description**

DL Task: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)

E.1762 dl pl**Description**

DL Task: Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1763 dl randbypass**Description**

Downlink Superpacket by sw from dl card: FCC Rand Bypass

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
NoBypass	0	CAUTION
Bypass	1	GOOD

Telemetry Source Packets

dl sppkt (3778)

E.1764 dl randtype0**Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1765 dl randtype1****Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1766 dl randtype2****Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1767 dl randtype3****Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)

E.1768 dl randtype4**Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1769 dl randtype5**Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1770 dl randtype6**Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1771 dl randtype7**Description**

Downlink Superpacket by sw from dl card: FCC Rand Type 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1772 dl res**Description**

Reserved

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1773 dl routeselregw1**Description**

Downlink Superpacket by sw from dl card: Route Sel Reg W1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1774 dl routeselregw2**Description**

Downlink Superpacket by sw from dl card: Route Sel Reg W2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1775 dl routeselregw3**Description**

Downlink Superpacket by sw from dl card: Route Sel Reg W3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1776 dl rtrcmdivflg**Description**

DL Superpacket by sw from dl card: Router Cmd Invalid Flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Invalid	1	CAUTION

Telemetry Source Packets**dl sppkt (3778)****E.1777 dl scsact****Description**

Downlink Superpkt by sw from dl card: SCSA Command Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt (3778)****E.1778 dl scsaffovrflow****Description**

Downlink Superpkt by sw from dl card: SCSA FIFO Overflow

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**dl sppkt (3778)****E.1779 dl scsaffunderflow****Description**

Downlink Superpkt by sw from dl card: SCSA FIFO Underflow

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1780 dl scsaframingerr**Description**

Downlink Superpkt by sw from dl card: SCSA Framing Error

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1781 dl scsaincommmsg**Description**

Downlink Superpkt by sw from dl card: SCSA Incomplete Msg

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1782 dl scsaivopcode**Description**

Downlink Superpkt by sw from dl card: SCSA Invalid Opcode

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1783 dl scsaparityerr**Description**

Downlink Superpkt by sw from dl card: SCSA Parity Err

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1784 dl scsaseqerr**Description**

Downlink Superpkt by sw from dl card: SCSA Sequence Error

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

dl sppkt (3778)

E.1785 dl scsatlmfrmcnt**Description**

Downlink Superpacket by sw from dl card: SCSA Tlm Frame Cnt

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1786 dl sct**Description**

DL Task: Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1787 dl selftstfl**Description**

DL Task: Self test fail indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1788 dl selftstpass**Description**

DL Task: Self Test pass indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1789 dl sflg**Description**

DL Task: Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1790 dl shortcadu**Description**

Downlink Superpacket by sw from dl card: Short CADU

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
SHORT	1	CAUTION

Telemetry Source Packets

dl sppkt (3778)

E.1791 dl sp0**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1792 dl sp1****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1793 dl sp14****Description**

spare

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1794 dl sp15****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)

E.1795 dl sp16**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1796 dl sp17**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1797 dl sp18b**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1798 dl sp19**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1799 dl sp2**Description**

Fill

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1800 dl sp20**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1801 dl sp22**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1802 dl syncerrhss2**Description**

Downlink Superpacket by sw from dl card: Sync Err HSS2

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Error	1	BAD

Telemetry Source Packets

dl sppkt (3778)

E.1803 dl syncerrinput2**Description**

Downlink Superpacket by sw from dl card: Sync Err Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt (3778)****E.1804 dl syncerrinput3****Description**

Downlink Superpacket by sw from dl card: Sync Err Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt (3778)****E.1805 dl syncerrinput4****Description**

Downlink Superpacket by sw from dl card: Sync Err Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt (3778)****E.1806 dl syncerrinput5****Description**

Downlink Superpacket by sw from dl card: Sync Err Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt (3778)**

E.1807 dl syncerrinput6**Description**

Downlink Superpacket by sw from dl card: Sync Err Input

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets

dl sppkt (3778)

E.1808 dl syncerrpbininput**Description**

Downlink Superpacket by sw from dl card: Sync Err PB Input

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Error	1	BAD

Telemetry Source Packets

dl sppkt (3778)

E.1809 dl syncerrscsa**Description**

Downlink Superpacket by sw from dl card: Sync Err SCSCA

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

DL

State Conversions

state	value	desirability
Okay	0	GOOD
Error	1	BAD

Telemetry Source Packets**dl sppkt** (3778)**E.1810 dl vducnt****Description**

VCDU Count (i.e., Number of VCDU's Stored in Output FIFO)

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

DL

Telemetry Source Packets**dl sppkt** (3778)**E.1811 ds evhws****Description**

Recorder: Event Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets**ds ev** (3781)**E.1812 ds evhwss****Description**

Recorder: Event Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets

ds ev (3781)

E.1813 ds evlws**Description**

Recorder: Event Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets

ds ev (3781)

E.1814 ds evlwss**Description**

Recorder: Event Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets

ds ev (3781)

E.1815 ds evmnemonic**Description**

Recorder: Event mnemonic

Data Type

48 bits, character string, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets**ds ev** (3781)**E.1816 ds evmsg****Description**

c-type DS event message to recorder

Data Type

480 bits, character string, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets**ds ev** (3781)**E.1817 ds evpid****Description**

Recorder: Event Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets**ds ev** (3781)**E.1818 ds evpl****Description**

Recorder: Event Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets**ds ev** (3781)

E.1819 ds evsct**Description**

Recorder: Event Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets

ds ev (3781)

E.1820 ds evsflg**Description**

Recorder: Event Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

DS

Telemetry Source Packets

ds ev (3781)

E.1821 hs accmddaccepted**Description**

Total OBC ACS command accepted.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1822 hs accmddrjct**Description**

Total OBC ACS command rejected.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1823 hs acexcnt**Description**

ac Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1824 hs acfsttlmdropped**Description**

Not used (spare)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1825 hs actcmdchan**Description**

Critical Telemetry from UL to OBC: Active Command Channel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1826 hs adexcnt**Description**

ad Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1827 hs adpresentflg**Description**

ad Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	GOOD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1828 hs agexcnt****Description**

Not used SORCE

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.1829 hs anexcnt****Description**

an Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.1830 hs anpresentflg****Description**

an Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	GOOD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1831 hs apecritstata**Description**

Critical Telemetry from UL to OBC: APE Critical Status A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1832 hs apecritstatb**Description**

Critical Telemetry from UL to OBC: APE Critical Status B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1833 hs apeinsafhllda**Description**

Critical Telemetry from UL to OBC: APE in Safehold A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1834 hs apeinsafhldb**Description**

Critical Telemetry from UL to OBC: APE in Safehold B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1835 hs apesafhldarmplg**Description**

Critical Telemetry from UL to OBC: APE Safehold Arm Plug

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1836 hs apesunaqa**Description**

Critical Telemetry from UL to OBC: APE sun acquired A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1837 hs apesunab****Description**

Critical Telemetry from UL to OBC: APE sun acquired B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1838 hs apeuprocstata****Description**

Critical Telemetry from UL to OBC: APE uproc Status A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1839 hs apeuprocstatb****Description**

Critical Telemetry from UL to OBC: APE uproc Status B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.1840 hs bcstrtedby**Description**

XB bus control started by

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Init	0	CAUTION
ByInterrupt	1	GOOD
ByFlyWheel	2	BAD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1841 hs bothchansrecgd**Description**

Critical Telemetry from UL to OBC: Both Channels Rec Good

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1842 hs ccwbootpath**Description**

Critical Telemetry from UL to OBC: CCW Boot Path

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs_ul_crit_tlm_pkt** (3811)**E.1843 hs_ccwsp10****Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs_ul_crit_tlm_pkt** (3811)**E.1844 hs_ccwsp11****Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs_ul_crit_tlm_pkt** (3811)**E.1845 hs_ccwsp12****Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs_ul_crit_tlm_pkt** (3811)

E.1846 hs ccwsp13**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1847 hs ccwsp14**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1848 hs ccwsp15**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1849 hs ccwsp3**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1850 hs ccwsp4**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1851 hs ccwsp5**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1852 hs ccwsp6**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1853 hs ccwsp7**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1854 hs ccwsp8**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1855 hs ccwsp9**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1856 hs ceuselfcont5hz**Description**

Critical Telemetry from UL to OBC: CEU Self Control 5hz

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1857 hs ceuxmtrselmate**Description**

Critical Telemetry from UL to OBC: CEU Xmtr Select Mate

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1858 hs cmdch1ppstat**Description**

Critical Tlm from UL to OBC: CMD Channel Pingpong Status

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1859 hs cmdexcnt**Description**

hs command accept counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1860 hs cmdrejcode**Description**

Critical Telemetry from UL to OBC: Command Reject Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1861 hs cmdrejtcnt**Description**

HS command reject count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1862 hs cmdrjct**Description**

hs ul command reject counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1863 hs coldrestcnt**Description**

HS Cold Restart count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1864 hs coldwarmflg**Description**

OBC Reset Type

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ColdRst	0	GOOD
WarmRst	1	GOOD

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1865 hs crittlmhws**Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1866 hs crittlmhwss**Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1867 hs crittlmlws****Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1868 hs crittlmlwss****Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1869 hs crittlmpid****Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.1870 hs crittlmpl**Description**

Critical Telemetry from UL to OBC: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1871 hs crittlmsct**Description**

Critical Telemetry from UL to OBC: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1872 hs crittlmsflg**Description**

Critical Telemetry from UL to OBC: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1873 hs cschkcodeend**Description**

Code CS status

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1874 hs cschkeeend**Description**

EEPROM CS status

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1875 hs cschkstaticend**Description**

SRAM CS status

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1876 hs cscodecsum**Description**

Code checksum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1877 hs cscodesegerrs**Description**

Code segment errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1878 hs cscsumend**Description**

CS Task State

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1879 hs cseeerrs**Description**

EEPROM segment errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1880 hs cseepcsum**Description**

EEPROM checksum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1881 hs cseeprrhamerrcnt**Description**

CS EEPROM HAM error counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1882 hs cseeprrlasterradd**Description**

CS EEPROM HAM latest error address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1883 hs csexcnt**Description**

cs Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1884 hs csivctr**Description**

CS command reject counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1885 hs cslstaticerrid**Description**

Last SRAM error address

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1886 hs cslstcodeerradr**Description**

Last Code error address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1887 hs cslsteerradr**Description**

Last EEPROM error address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1888 hs cspresentflg**Description**

CS Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1889 hs csstaticcsum**Description**

SRAM checksum

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1890 hs csstaticerrs****Description**

SRAM segment errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1891 hs csvldctr****Description**

cs command accept counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.1892 hs cswlioerrst****Description**

Critical Telemetry from UL to OBC:CSW LIO Error State

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.1893 hs cswpasseqst**Description**

Critical Telemetry from UL to OBC: CSW PAS Seq State

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1894 hs cswpasst**Description**

Critical Telemetry from UL to OBC: CSW PAS State

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1895 hs cswsp10**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1896 hs cswsp11**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1897 hs cswsp12**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1898 hs cswsp13**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1899 hs cswsp14**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1900 hs cswsp15**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1901 hs cswsp5**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1902 hs cswsp6**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1903 hs cswsp7**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1904 hs cswsp8**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1905 hs cswsp9**Description**

Critical Telemetry from UL to OBC: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1906 hs cswwerrst**Description**

Critical Telemetry from UL to OBC: CSW SW Error State

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1907 hs cswwst**Description**

Critical Telemetry from UL to OBC: CSW SW State

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1908 hs ct**Description**

hs ul command accept counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1909 hs diexcnt**Description**

di Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1910 hs difstdummy**Description**

Dummy; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1911 hs dipresentflg**Description**

di Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1912 hs discritlemsp14**Description**

Critical Telemetry from UL to OBC: Disc Crit Tlm Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1913 hs discritlemsp15**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1914 hs dislwdummy****Description**

HS Slow Telemetry: Slow Dummy

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1915 hs dscmddexutedcnt****Description**

Total # of DS commands executed.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.1916 hs dscmddrjctcnt****Description**

Total # of DS commands rejected.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)**

E.1917 hs dscurfltrtbl**Description**

ID of current filter table.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1918 hs dsevrds0pktcnt**Description**

Total number of packets in Data Set 0 (Virtual Recorder 1).

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1919 hs dsevrds1pktcnt**Description**

Total number of packets in Data Set 1 (Virtual Recorder 1).

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1920 hs dsevrds2pkcnt**Description**

Total number of packets in Data Set 2 (Virtual Recorder 1).

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1921 hs dsevrds3pkcnt**Description**

Total number of packets in Data Set 3 (Virtual Recorder 1).

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1922 hs dsexcnt**Description**

ds Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1923 hs dshkslwsp1**Description**

HS Slow Telemetry: spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1924 hs dshkslwsp2**Description**

HS Slow Telemetry: spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1925 hs dshkslwsp3**Description**

HS Slow Telemetry: spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1926 hs dslsttxrtxseqnum**Description**

Sequence # of last telemetry packet retransmitted.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1927 hs dslsttxrtxvr**Description**

Virtual Recorder last telemetry packet retransmitted from.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1928 hs dspbkpaused**Description**

Flag indicating 1 for playback paused.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	CAUTION

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.1929 hs dspresentflg****Description**

ds Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1930 hs dsrtxseqpend****Description**

Sequence # of telemetry packet awaiting retransmit.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1931 hs dstotalfremblcks****Description**

Total number of memory blocks not used by any recorder for storage.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1932 hs eeprotect**Description**

Critical Telemetry from UL to OBC: EEPROM Protect

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1933 hs epcmddexutedcnt**Description**

HS Task: EP Command executed count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1934 hs epcmdrjctcnt**Description**

HS Task: Command rejected count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.1935 hs epexcnt****Description**

ep Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1936 hs eppresentflg****Description**

ep Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.1937 hs evmnemonic****Description**

Spacecraft event mnemonic

Data Type

48 bits, character string, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs sc_ev_msg** (3807)**E.1938 hs evmsg****Description**

Spacecraft event message

Data Type

480 bits, character string, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs sc_ev_msg** (3807)**E.1939 hs excnt****Description**

HS Task Execution count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1940 hs frmcnta****Description**

Critical Telemetry from UL to OBC: Frame Count A

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1941 hs frmcntb****Description**

Critical Telemetry from UL to OBC: Frame Count B

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1942 hs frmrejcode****Description**

Critical Telemetry from UL to OBC: Frame Reject Code

Data Type

11 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.1943 hs frmjrct****Description**

Critical Telemetry from UL to OBC: Frame Reject Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.1944 hs fstspkthdrsflg**Description**

HS fast super packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1945 hs fstspkthdrpid**Description**

HS fast super packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1946 hs fstspkthdrpl**Description**

HS fast super packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1947 hs fstsppkthdrsct**Description**

HS fast super packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1948 hs fstsppkthshws**Description**

HS fast super packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1949 hs fstsppkthshwss**Description**

HS fast super packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1950 hs fstspkthslws**Description**

HS fast super packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1951 hs fstspkthslwss**Description**

HS fast super packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1952 hs fstsp**Description**

HS Fast Spares

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1953 hs group2fdcflg**Description**

a task in that FDC group has suspended

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1954 hs group3fdcflg**Description**

a task in that FDC group has suspended

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1955 hs gscct**Description**

Critical Telemetry from UL to OBC: GSC Command Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1956 hs gscrejcode**Description**

Critical Telemetry from UL to OBC: GSC Reject Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1957 hs gscrjct**Description**

Critical Telemetry from UL to OBC: GSC Cmd Reject Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1958 hs hardlinenotend**Description**

Critical Telemetry from UL to OBC: Hardline not enabled

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1959 hs hkrequestperiod**Description**

HS Tlm Request Period

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1960 hs hsexcnt**Description**

hs Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1961 hs hspresentflg**Description**

hs Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1962 hs hws****Description**

Hi word secs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1963 hs hwss****Description**

Hi word subsecs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1964 hs itexcnt****Description**

it Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)

E.1965 hs itpresentflg**Description**

it Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	GOOD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1966 hs lstaterrcmd**Description**

Command # of last aborted command from an ATS.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1967 hs lstaterrseq**Description**

Sequence # of last aborted command from an ATS.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1968 hs lstcpuutil****Description**

Not used SORCE

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1969 hs lstevseqno****Description**

Sequence number of last event message

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.1970 hs lsttserrcmdoset****Description**

Command # of last aborted command from an RTS.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.1971 hs lstrtserrseq**Description**

Sequence # of last aborted command from an RTS.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1972 hs lstrtsinitiated**Description**

last rts number initiated (not the last one finised)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1973 hs lws**Description**

Lo word secs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1974 hs lwss**Description**

Lo word subsecs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1975 hs miscflgsp0**Description**

Critical Telemetry from UL to OBC: Misc Flag Spares

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1976 hs miscflgsps1513**Description**

Critical Telemetry from UL to OBC: Misc Flag Spares

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1977 hs miscflgsps53**Description**

Critical Telemetry from UL to OBC: Misc Flag Spares

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.1978 hs msavgprocorld**Description**

Average processor load in

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1979 hs mscmddsexutedcnt**Description**

MS command count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1980 hs mscmddsrjctcnt**Description**

MS command reject count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1981 hs mscurprocorld**Description**

Current processor load in

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1982 hs mscurscrubticks**Description**

Number of 16.67 mS ticks expended scrubbing

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1983 hs msdbecnt**Description**

Dummy; not used.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.1984 hs msdisd**Description**

MS Task State

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Enabled	0	GOOD
Disabled	1	CAUTION

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1985 hs msdramlasterradd**Description**

MS DRAM TMR latest error address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1986 hs msdramtmrerrcnt****Description**

MS DRAM TMR Error Counter

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1987 hs msexcnt****Description**

ms Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.1988 hs mshighprocorld****Description**

High processor load in

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.1989 hs mslwprocorld**Description**

Low processor load in

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1990 hs mspresentflg**Description**

MS Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.1991 hs msrestrt**Description**

Unused

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1992 hs msscrubcnt****Description**

Segments scrubbed

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1993 hs msscrubcntforavg****Description**

Continuous counter incremented after each block scrubbed. Used for processor lo

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Continuous counter incremented after each block scrubbed. Used for processor loading calculation

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1994 hs mssramsberradx****Description**

SRAM Single-Bit-Error Address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1995 hs mssramsberrcnt****Description**

SRAM Total Single Bit Errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1996 hs mssramscrubcnt****Description**

SRAM segments scrubbed

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.1997 hs ngscct****Description**

Critical Telemetry from UL to OBC: NGSC Cmd Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt** (3811)

E.1998 hs ngscrejcode**Description**

Critical Telemetry from UL to OBC: NGSC Reject Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.1999 hs ngscrjct**Description**

Critical Telemetry from UL to OBC: NGSC Reject Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2000 hs nobitlcka**Description**

Critical Telemetry from UL to OBC: No Bit Lock A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2001 hs nobitlckb**Description**

Critical Telemetry from UL to OBC: No Bit Lock B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2002 hs norfpresenta**Description**

Critical Telemetry from UL to OBC: NO RF Present A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2003 hs norfpresentb**Description**

Critical Telemetry from UL to OBC: NO RF Present B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2004 hs obcheartbeat**Description**

Critical Telemetry from UL to OBC: OBC Heartbeat

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2005 hs obchlpnd**Description**

Critical Telemetry from UL to OBC: HLP Enabled

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2006 hs obcpwron**Description**

Critical Telemetry from UL to OBC: OBC Power On

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2007 hs obcwdxexpired**Description**

Critical Tlm from UL to OBC: OBC Watchdog Timer Expired

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2008 hs obcwdrsten**Description**

Critical Telemetry from UL to OBC: OBC word reset enable

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2009 hs oscausedrst**Description**

Set if OBC is reset by operating system

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
False	0	GOOD
TRUE	1	BAD

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2010 hs pccnt****Description**

Critical Telemetry from UL to OBC: PC Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2011 hs pcerrcnt****Description**

Critical Telemetry from UL to OBC: PC Err Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2012 hs pcerrstat****Description**

Critical Telemetry from UL to OBC: PC Err Stat

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.2013 hs peakcpuutil**Description**

Not used SORCE

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2014 hs pegend**Description**

Critical Telemetry from UL to OBC: Pegasus Enabled

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2015 hs pgpresentflg**Description**

pg Task Exe Count

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2016 hs preferredchannel**Description**

Critical Telemetry from UL to OBC: Preferred Channel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2017 hs presentflg**Description**

ac Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2018 hs rstcnt**Description**

Critical Telemetry from UL to OBC: Reset Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2019 hs s1excnt****Description**

s1 Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2020 hs s1msgcnt****Description**

Critical Telemetry from UL to OBC: HSS1 Msg Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2021 hs s1msgrejcode****Description**

Critical Telemetry from UL to OBC: HSS1 Message Rej Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.2022 hs s1msgsjct**Description**

Critical Telemetry from UL to OBC: HSS1 Message Rej Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2023 hs s1presentflg**Description**

s1 Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2024 hs s2excnt**Description**

s2 Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2025 hs s2presentflg****Description**

s2 Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2026 hs sbbufforunerrcnt****Description**

Buffer overrun count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2027 hs sbcmderrcnt****Description**

SB task command error count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2028 hs sbexcnt**Description**

sb Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2029 hs sborunpipeid**Description**

Buffer overrun pipe ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2030 hs sborunsndtskid**Description**

Buffer overrun task ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2031 hs sborunstd**Description**

Buffer overrun stream ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2032 hs sboserrcnt**Description**

Invalid Message Queue Count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2033 hs sbpresentflg**Description**

SB Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2034 hs sbquefulerrcnt**Description**

Message queue full pipe ID

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2035 hs sbquefulpipeid****Description**

Message queue full pipe ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2036 hs sbquefulsndtskid****Description**

Message queue full sender task ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.2037 hs sbquefulstid**Description**

Message queue full stream ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	65535
yellow high	65535
yellow low	65535
red low	65535
delta	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2038 hs sbreceiveerrcnt**Description**

Pipe receive error count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2039 hs sbsndrcnt**Description**

Pipe send error count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2040 hs sbvlcdmddcnt**Description**

SB task valid command count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2041 hs scatpafreebytes**Description**

Number of free bytes in ATS A.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2042 hs scatpbfreebytes**Description**

Number of free bytes in ATS B.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2043 hs scatpcmdnum****Description**

Current cmd # of ATS executing (1 - 600).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2044 hs scatpldctr****Description**

Number of ATS loads successfully completed.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2045 hs scatplderrctr****Description**

Number of ATS loads aborted.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2046 hs scatppatchctr**Description**

Number of ATS patches successfully completed.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2047 hs scatppatcherrctr**Description**

Number of ATS patches aborted.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2048 hs scatpst**Description**

Current ATS state: 2 = Idle, 5 = Executing.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
EMPTY	0	CAUTION
LOADED	1	GOOD
IDLE	2	GOOD
EXECUTED	3	GOOD
SKIPPED	4	CAUTION
ACTIVE	5	GOOD
FAILED_CHECKSUM	6	BAD
FAILED_DISTRIB	7	BAD
STARTING	8	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2049 hs scatscmdctr**Description**

Total # cmds sent by all ATSS (cumulative).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2050 hs scatscmderrctr**Description**

Total # cmds aborted when sent by all ATSS (cumulative).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2051 hs scatsnum**Description**

Current ATS number: 0 = none, 1 = A, 2 = B.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NONE	0	GOOD
ATS_A	1	GOOD
ATS_B	2	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2052 hs sccmdctr**Description**

Number of ground commands successfully executed.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2053 hs sccmderrctr**Description**

Number of ground commands aborted.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2054 hs sccurtm****Description**

SC current time

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2055 hs scevhws****Description**

Spacecraft event packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs sc_ev_msg** (3807)**E.2056 hs scevhwss****Description**

Spacecraft event packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs sc_ev_msg** (3807)

E.2057 hs scevlws**Description**

Spacecraft event packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_sc_ev_msg (3807)

E.2058 hs scevlwss**Description**

Spacecraft event packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_sc_ev_msg (3807)

E.2059 hs scevpid**Description**

Spacecraft event packet SID (0x0874)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_sc_ev_msg (3807)

E.2060 hs scevpl**Description**

Spacecraft event packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs sc_ev_msg (3807)

E.2061 hs scevsct**Description**

Spacecraft event packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs sc_ev_msg (3807)

E.2062 hs scevsflg**Description**

Spacecraft event packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs sc_ev_msg (3807)

E.2063 hs scexcnt**Description**

sc Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2064 hs scnnextatstm**Description**

Next cmd time in ATS executing (seconds).

Data Type

32 bits, unsigned integer, engineering units = sec.

Measurement Source

HS

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2065 hs scnextrtstm**Description**

UTC when next RTS command will occur.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2066 hs scnumrtsact**Description**

Number of currently active RTSs.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2067 hs scpresentflg**Description**

sc Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2068 hs scrtsactctr****Description**

Total count of all successful RTSs executed.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2069 hs scrtsacterrctr****Description**

Total count of all failed RTS execution attempts.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2070 hs scrtscmdctr****Description**

Total # cmds sent by all RTSs (cumulative).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)

E.2071 hs scrtscmderrctr**Description**

Total # cmds aborted when sent by all RTSs (cumulative).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2072 hs scrtsdisdstat1**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2073 hs scrtsdisdstat10**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2074 hs scrtsdisdstat100****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2075 hs scrtsdisdstat101****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2076 hs scrtsdisdstat102**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2077 hs scrtsdisdstat103**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2078 hs scrtsdisdstat104**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2079 hs scrtsdisdstat105**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2080 hs scrtsdisdstat106**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2081 hs scrtsdisdstat107**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2082 hs scrtsdisdstat108**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2083 hs scrtsdisdstat109**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2084 hs scrtsdisdstat11**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2085 hs scrtsdisdstat110**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2086 hs scrtsdisdstat111**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2087 hs scrtsdisdstat112**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2088 hs scrtsdisdstat113**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2089 hs scrtsdisdstat114**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2090 hs scrtsdisdstat115**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2091 hs scrtsdisdstat116**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2092 hs scrtsdisdstat117**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2093 hs scrtsdisdstat118**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2094 hs scrtsdisdstat119**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2095 hs scrtsdisdstat12**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2096 hs scrtsdisdstat120**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2097 hs scrtsdisdstat121**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2098 hs scrtsdisdstat122**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2099 hs scrtsdisdstat123**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2100 hs scrtsdisdstat124****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2101 hs scrtsdisdstat125****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2102 hs scrtsdisdstat126****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2103 hs scrtsdisdstat127**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2104 hs scrtsdisdstat128**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2105 hs scrtsdisdstat13**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2106 hs scrtsdisdstat14**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2107 hs scrtsdisdstat15**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2108 hs scrtsdisdstat16**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2109 hs scrtsdisdstat17**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2110 hs scrtsdisdstat18**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2111 hs scrtsdisdstat19**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2112 hs scrtsdisdstat2**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2113 hs scrtsdisdstat20****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2114 hs scrtsdisdstat21****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2115 hs scrtsdisdstat22**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2116 hs scrtsdisdstat23**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2117 hs scrtsdisdstat24**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2118 hs scrtsdisdstat25**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2119 hs scrtsdisdstat26**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2120 hs scrtsdisdstat27**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2121 hs scrtsdisdstat28**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2122 hs scrtsdisdstat29**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2123 hs scrtsdisdstat3**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2124 hs scrtsdisdstat30**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2125 hs scrtsdisdstat31**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2126 hs scrtsdisdstat32**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2127 hs scrtsdisdstat33**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2128 hs scrtsdisdstat34**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2129 hs scrtsdisdstat35**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2130 hs scrtsdisdstat36**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2131 hs scrtsdisdstat37**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2132 hs scrtsdisdstat38**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2133 hs scrtsdisdstat39**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2134 hs scrtsdisdstat4**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2135 hs scrtsdisdstat40**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2136 hs scrtsdisdstat41**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2137 hs scrtsdisdstat42**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2138 hs scrtsdisdstat43**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2139 hs scrtsdisdstat44**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2140 hs scrtsdisdstat45**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2141 hs scrtsdisdstat46****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2142 hs scrtsdisdstat47****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2143 hs scrtsdisdstat48**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2144 hs scrtsdisdstat49**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2145 hs scrtsdisdstat5**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2146 hs scrtsdisdstat50**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2147 hs scrtsdisdstat51**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2148 hs scrtsdisdstat52**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2149 hs scrtsdisdstat53**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2150 hs scrtsdisdstat54**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2151 hs scrtsdisdstat55**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2152 hs scrtsdisdstat56**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2153 hs scrtsdisdstat57**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2154 hs scrtsdisdstat58**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2155 hs scrtsdisdstat59****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2156 hs scrtsdisdstat6****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2157 hs scrtsdisdstat60**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2158 hs scrtsdisdstat61**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2159 hs scrtsdisdstat62**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2160 hs scrtsdisdstat63**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2161 hs scrtsdisdstat64**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2162 hs scrtsdisdstat65**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2163 hs scrtsdisdstat66**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2164 hs scrtsdisdstat67**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2165 hs scrtsdisdstat68**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2166 hs scrtsdisdstat69**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2167 hs scrtsdisdstat7**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2168 hs scrtsdisdstat70**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2169 hs scrtsdisdstat71****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2170 hs scrtsdisdstat72****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2171 hs scrtsdisdstat73**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2172 hs scrtsdisdstat74**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2173 hs scrtsdisdstat75**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2174 hs scrtsdisdstat76**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2175 hs scrtsdisdstat77**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2176 hs scrtsdisdstat78**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2177 hs scrtsdisdstat79**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2178 hs scrtsdisdstat8**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2179 hs scrtsdisdstat80**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2180 hs scrtsdisdstat81**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2181 hs scrtsdisdstat82**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2182 hs scrtsdisdstat83**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2183 hs scrtsdisdstat84****Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2184 hs scrtsdisdstat85****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)**

E.2185 hs scrtsdisdstat86**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2186 hs scrtsdisdstat87**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2187 hs scrtsdisdstat88**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2188 hs scrtsdisdstat89**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2189 hs scrtsdisdstat9**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2190 hs scrtsdisdstat90**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2191 hs scrtsdisdstat91**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2192 hs scrtsdisdstat92**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2193 hs scrtsdisdstat93**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2194 hs scrtsdisdstat94**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2195 hs scrtsdisdstat95**Description**

RTS disabled status; 0 = enabled; 1 = disabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2196 hs scrtsdisdstat96**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2197 hs scrtsdisdstat97****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2198 hs scrtsdisdstat98****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2199 hs scrtsdisdstat99**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2200 hs scrtssexstat1**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2201 hs scrtssexstat10**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2202 hs scrtsexstat100**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2203 hs scrtsexstat101**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2204 hs scrtsexstat102**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2205 hs scrtsexstat103**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2206 hs scrtsexstat104**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2207 hs scrtsexstat105**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2208 hs scrtsexstat106**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2209 hs scrtsexstat107**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2210 hs scrtsexstat108**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2211 hs scrtsexstat109****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2212 hs scrtsexstat11****Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)**

E.2213 hs scrtsexstat110**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2214 hs scrtsexstat111**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2215 hs scrtsexstat112**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2216 hs scrtsexstat113**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2217 hs scrtsexstat114**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2218 hs scrtsexstat115**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2219 hs scrtsexstat116**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2220 hs scrtsexstat117**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2221 hs scrtsexstat118**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2222 hs scrtsexstat119**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2223 hs scrtsexstat12**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2224 hs scrtsexstat120**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2225 hs scrtsexstat121**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2226 hs scrtsexstat122**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2227 hs scrtsexstat123**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2228 hs scrtsexstat124**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2229 hs scrtsexstat125**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2230 hs scrtsexstat126**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2231 hs scrtsexstat127****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2232 hs scrtsexstat128****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2233 hs scrtsexstat13****Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2234 hs scrtsexstat14**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2235 hs scrtsexstat15**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2236 hs scrtsexstat16**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2237 hs scrtsexstat17**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2238 hs scrtsexstat18**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2239 hs scrtsexstat19**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2240 hs scrtsexstat2**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2241 hs scrtsexstat20****Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2242 hs scrtsexstat21****Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)**

E.2243 hs scrtsexstat22**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2244 hs scrtsexstat23**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2245 hs scrtsexstat24**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2246 hs scrtsexstat25**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2247 hs scrtsexstat26**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2248 hs scrtsexstat27**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2249 hs scrtsexstat28**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2250 hs scrtsexstat29**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2251 hs scrtsexstat3**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2252 hs scrtsexstat30**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2253 hs scrtsexstat31**Description**

RTS execution status; 0 = Idle; 1 = Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2254 hs scrtsexstat32**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2255 hs scrtsexstat33**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2256 hs scrtsexstat34**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2257 hs scrtsexstat35**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2258 hs scrtsexstat36**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2259 hs scrtsexstat37**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2260 hs scrtsexstat38**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2261 hs scrtsexstat39**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2262 hs scrtsexstat4**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2263 hs scrtsexstat40**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2264 hs scrtsexstat41**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2265 hs scrtsexstat42**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2266 hs scrtsexstat43**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2267 hs scrtsexstat44**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2268 hs scrtsexstat45**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2269 hs scrtsexstat46**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2270 hs scrtsexstat47**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2271 hs scrtsexstat48**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2272 hs scrtsexstat49**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2273 hs scrtsexstat5**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2274 hs scrtsexstat50**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2275 hs scrtsexstat51**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2276 hs scrtsexstat52**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2277 hs scrtsexstat53**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2278 hs scrtsexstat54**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2279 hs scrtsexstat55**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2280 hs scrtsexstat56**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2281 hs scrtsexstat57**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2282 hs scrtsexstat58**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2283 hs scrtsexstat59**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2284 hs scrtsexstat6**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2285 hs scrtsexstat60**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2286 hs scrtsexstat61**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2287 hs scrtsexstat62**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2288 hs scrtsexstat63**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2289 hs scrtsexstat64**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2290 hs scrtsexstat65**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2291 hs scrtsexstat66**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2292 hs scrtsexstat67**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2293 hs scrtsexstat68**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2294 hs scrtsexstat69**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2295 hs scrtsexstat7**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2296 hs scrtsexstat70**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2297 hs scrtsexstat71**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2298 hs scrtsexstat72**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2299 hs scrtsexstat73**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2300 hs scrtsexstat74**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2301 hs scrtsexstat75**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2302 hs scrtsexstat76**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2303 hs scrtsexstat77**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2304 hs scrtsexstat78**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2305 hs scrtsexstat79**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2306 hs scrtsexstat8**Description**

RTS execution status; 0 = Idle; 1 = Active.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2307 hs scrtsexstat80**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2308 hs scrtsexstat81**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2309 hs scrtsexstat82**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2310 hs scrtsexstat83**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2311 hs scrtsexstat84****Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2312 hs scrtsexstat85****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2313 hs scrtsexstat86**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2314 hs scrtsexstat87**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2315 hs scrtsexstat88**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2316 hs scrtsexstat89**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2317 hs scrtsexstat9**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2318 hs scrtsexstat90****Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2319 hs scrtsexstat91****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2320 hs scrtsexstat92**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2321 hs scrtsexstat93**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2322 hs scrtsexstat94**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2323 hs scrtsexstat95**Description**

RTS execution status; 0 = idle; 1 = active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2324 hs scrtsexstat96**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2325 hs scrtsexstat97**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2326 hs scrtsexstat98**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2327 hs scrtsexstat99**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2328 hs scrtsldctr**Description**

Number of successfull RTS loads.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2329 hs scrtslderrctr**Description**

Number of RTS loads aborted.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2330 hs scrtsnum****Description**

Next RTS command from this RTS.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2331 hs scsaerrflg****Description**

Critical Telemetry from UL to OBC: SCSA Error Flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt** (3811)**E.2332 hs scsamsgcnt****Description**

Critical Telemetry from UL to OBC: SCSA Msg Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt** (3811)

E.2333 hs scsamsgrejcode**Description**

Critical Telemetry from UL to OBC: SCSA Msg Reject Code

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2334 hs scsamsgrjct**Description**

Critical Telemetry from UL to OBC: SCSA Msg Reject Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2335 hs scswpendflg**Description**

Indication of pending ATS switch (1)

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO_SWITCH	0	GOOD
SWITCH_PENDING	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2336 hs sevenmintmr****Description**

Critical Telemetry from UL to OBC: 7 Minute Timer

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2337 hs shntcarderrcnt****Description**

HS Slow Telemetry: shunt card id error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2338 hs slwspkthdrsflg****Description**

HS Task: slow super packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.2339 hs slwsppkthdrpid**Description**

HS Task: slow super packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2340 hs slwsppkthdrpl**Description**

HS Task: slow super packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2341 hs slwsppkthdrsrct**Description**

HS slow super packet sequence count

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2342 hs slwsppkthshws**Description**

HS Task: slow super packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2343 hs slwsppkthshwss**Description**

HS Task: slow super packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2344 hs slwsppkthslws**Description**

HS Task: slow super packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2345 hs slwsppkthslwss**Description**

HS Task: slow super packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2346 hs smactmemtype**Description**

Location of active image

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
None	0	GOOD
EEPROM	2	CAUTION
RAM	3	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2347 hs smcmtflcnt**Description**

SM commit FAIL count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2348 hs smcmtoperation**Description**

SM commit operation

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD
DumpOnly	5	GOOD
ReplaceInit	6	GOOD
ReplaceActive	7	GOOD
AppendActive	8	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2349 hs smcmtsucccnt**Description**

SM commit success count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2350 hs smdmpact**Description**

Dump active flag

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2351 hs smdmpcopiesleft**Description**

Copies to dump

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2352 hs smexcnt**Description**

sm Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2353 hs smgndcmdsexex**Description**

SM ground cmds executed

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2354 hs smhkfstsp1**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2355 hs smhkfstsp2**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2356 hs smldcrc**Description**

CRC of image to load

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2357 hs smldstadr**Description**

Start address of image load

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2358 hs smmdwlstat**Description**

Memory dwell active flag

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NotDwell	0	GOOD
Dwell	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2359 hs smpresentflg**Description**

SM Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2360 hs smsysversion0**Description**

FSW version id (60 = FSW 6.0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2361 hs smsysversion1**Description**

FSW version id (00 for FSW 6.0)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2362 hs smtblcsum**Description**

Failsum of table to load

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2363 hs smtblfrmimage**Description**

Table source location

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2364 hs smtblidseled**Description**

ID of selected table

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2365 hs smtblopsact****Description**

SM table operations status

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
ACTIVE	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2366 hs smtblsize****Description**

Table size (words)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2367 hs smtbltype****Description**

Table type

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
SCP	0	GOOD
SYS	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2368 hs smtblwdsld**Description**

Words loaded

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2369 hs smtoterrcnt**Description**

SM total error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2370 hs sp**Description**

Critical Telemetry from UL to OBC: Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2371 hs sramdbeaddress**Description**

SRAM Double Bit Error Address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2372 hs stg3sep1sw**Description**

Critical Telemetry from UL to OBC: Stage 3 Sep1 Switch

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2373 hs stg3sep2sw**Description**

Critical Telemetry from UL to OBC: Stage 3 Sep2 Switch

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2374 hs stg3sep3sw**Description**

Critical Telemetry from UL to OBC: Stage3 sep3 switch

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2375 hs svcarcnt**Description**

Critical Telemetry from UL to OBC: SV Char Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2376 hs svcarerrcnt**Description**

Critical Telemetry from UL to OBC: SV Char Err Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2377 hs svcnt****Description**

Critical Telemetry from UL to OBC: SV Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2378 hs sverrcnt****Description**

Critical Telemetry from UL to OBC: SV Err Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)****E.2379 hs sverrstat****Description**

Critical Telemetry from UL to OBC: SV Err Stat

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs ul_crit_tlm_pkt (3811)**

E.2380 hs swcarderrcnt**Description**

HS Slow Telemetry:switch card id error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2381 hs syncsearcha**Description**

Critical Telemetry from UL to OBC: Sync Search A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2382 hs syncsearchb**Description**

Critical Telemetry from UL to OBC: Sync Search B

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2383 hs taexcnt**Description**

ta Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2384 hs tc10hzerrcount**Description**

10 Hz error count

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2385 hs tc1hzerrcount**Description**

1 Hz error count

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2386 hs tccurrsystmhws**Description**

TC Current System Time; Hi Word Secs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2387 hs tccurrsystmhws**Description**

TC Current System Time; Hi Word Subsecs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2388 hs tccurrsystmlws**Description**

TC Current System Time; Lo Word Secs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2389 hs tccurrsystmlwss**Description**

TC Current System Time; Lo Word Subsecs

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2390 hs tcexcnt**Description**

tc Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2391 hs tcgndcmdsex**Description**

tc command accept counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2392 hs tconeHzsource**Description**

Source of 1Hz clock

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Init	0	CAUTION
Interrupt	1	GOOD
FlyWheel	2	BAD
Xb_std_isr	3	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2393 hs tcpresentflg**Description**

tc Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2394 hs tcslwdummy**Description**

Dummy; not used.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2395 hs tcsp12**Description**

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2396 hs tcsp19**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2397 hs tcsp3**Description**

spare

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2398 hs tcsp4**Description**

spare

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2399 hs tcsp5**Description**

spare

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2400 hs tcsp5a**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2401 hs tctenhzsource****Description**

Source of 10Hz clock

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Init	0	CAUTION
Interrupt	1	GOOD
FlyWheel	2	BAD
Xb_std_isr	3	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2402 hs tctoterrcnt****Description**

TC command error count

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2403 hs tcxolopnlfracct****Description**

Critical Tlm from UL to OBC: TCXO Last Open Loop Frac Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2404 hs tcxolopnlpfreq**Description**

Critical Telemetry from UL to OBC: TCXO Last Open Loop Freq

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2405 hs tcxonext1hzfreq**Description**

Critical Telemetry from UL to OBC: TCXO Next 1 Hz Freq

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs_ul_crit_tlm_pkt (3811)

E.2406 hs tgcmdsaccepted**Description**

TG command accept count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2407 hs tgcmdsrjct**Description**

TG command reject count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2408 hs tgexcnt**Description**

tg Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2409 hs tgpresentflg**Description**

TG Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2410 hs tgsberr****Description**

Error count while sending superpackets

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2411 hs tgspktsent****Description**

Count of Super Packets sent

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2412 hs tgsppktst0****Description**

n x 100mS till Super Packet 0 Dispatched

Data Type

16 bits, unsigned integer, engineering units = ms.

Measurement Source

HS

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2413 hs tgsppktst1**Description**

n x 100mS till Super Packet 1 Dispatched

Data Type

16 bits, unsigned integer, engineering units = ms.

Measurement Source

HS

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2414 hs tgsppktst2**Description**

n x 100mS till Super Packet 2 Dispatched

Data Type

16 bits, unsigned integer, engineering units = ms.

Measurement Source

HS

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2415 hs tgsppktst3**Description**

n x 100mS till Super Packet 3 Dispatched

Data Type

16 bits, unsigned integer, engineering units = ms.

Measurement Source

HS

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.2416 hs tguncapid****Description**

TG received packet with unknown APID (not in table)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2417 hs tobuvsinuse****Description**

Number of output buffers (3) used by TO.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.2418 hs tocmddexutedcnt**Description**

TO Command executed count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2419 hs tocmddrjctcnt**Description**

TO command Rejected count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2420 hs tocurfltrtbl**Description**

TO current filter table

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2421 hs todmp**Description**

TO dump in progress

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
DUMP	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2422 hs todmpingapid**Description**

The APID of packets being dumped (0xAA = SM Mem dump, 0xAB=SM Table dump, 0xFFFF

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

The APID of packets being dumped (0xAA = SM Mem dump, 0xAB=SM Table dump, 0xFFFF=DS event dump).

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2423 hs todroppedpkts**Description**

TO Number of Dropped Packets

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2424 hs toexcnt**Description**

to Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2425 hs tofstsp1**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2426 hs tofstsp2**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2427 hs tofstsp3****Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2428 hs tonumpktsent****Description**

TO Num of Packets Received

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.2429 hs tonumpktstodmp****Description**

TO Num Packets to Dump

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)

E.2430 hs topresentflg**Description**

TC Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2431 hs totalfrmcnt**Description**

Critical Telemetry from UL to OBC: Total Frame Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.2432 hs totlmindexrate**Description**

telemetry index rate

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2433 hs tpcmddexutedcnt****Description**

TP Command executed count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2434 hs tpcmdrjctcnt****Description**

TP command Rejected count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt (3782)****E.2435 hs tpexcnt****Description**

tp Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.2436 hs tppresentflg**Description**

tp Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2437 hs tpslwdummy**Description**

Dummy; not used.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2438 hs tsact**Description**

TS Active

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	CAUTION
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2439 hs tscmderrcnt****Description**

ts command reject counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2440 hs tsct****Description**

ts command accept counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2441 hs tsexcnt****Description**

ts Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2442 hs tsfsttrailingbnd**Description**

Used for Software development only

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2443 hs tsresentflg**Description**

ts Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2444 hs tsres1**Description**

TS Reserved

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2445 hs tsres2**Description**

Reserved

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2446 hs tsres21**Description**

Reserved

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2447 hs tsres3**Description**

Reserved

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2448 hs tsslwtrailingbnd**Description**

Used for Software development only.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.2449 hs tsstoredcmddexct**Description**

Count of stored command sequence execution REQUESTS, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2450 hs tsthreshldoccct0**Description**

Count of all threshold 1 occurrences, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2451 hs tsthreshldoccct1****Description**

Count of all threshold 2 occurrences, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2452 hs tsthreshldoccct2****Description**

Count of all threshold 3 occurrences, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2453 hs tsthreshldoccct3****Description**

Count of all threshold 4 occurrences, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2454 hs tstlmcnt**Description**

Count of telemetry packets successfully processed, ts:reset_counters sets to 0

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2455 hs tstmon0fuse0**Description**

HS Task: TMON 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2456 hs tstmon0fuse1**Description**

HS Task: TMON 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2457 hs tstmon0fuse2**Description**

HS Task: TMON 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2458 hs tstmon0fuse3**Description**

HS Task: TMON 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2459 hs tstmon100fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2460 hs tstmon100fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2461 hs tstmon100fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2462 hs tstmon100fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2463 hs tstmon101fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2464 hs tstmon101fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2465 hs tstmon101fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2466 hs tstmon101fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2467 hs tstmon102fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2468 hs tstmon102fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2469 hs tstmon102fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2470 hs tstmon102fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2471 hs tstmon103fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2472 hs tstmon103fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2473 hs tstmon103fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2474 hs tstmon103fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2475 hs tstmon104fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2476 hs tstmon104fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2477 hs tstmon104fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2478 hs tstmon104fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2479 hs tstmon105fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2480 hs tstmon105fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2481 hs tstmon105fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2482 hs tstmon105fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2483 hs tstmon106fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2484 hs tstmon106fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2485 hs tstmon106fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2486 hs tstmon106fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2487 hs tstmon107fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2488 hs tstmon107fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2489 hs tstmon107fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2490 hs tstmon107fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2491 hs tstmon108fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2492 hs tstmon108fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2493 hs tstmon108fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2494 hs tstmon108fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2495 hs tstmon109fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2496 hs tstmon109fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2497 hs tstmon109fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2498 hs tstmon109fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2499 hs tstmon10fuse0**Description**

HS Task: TMON 10

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2500 hs tstmon10fuse1**Description**

HS Task: TMON 10

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2501 hs tstmon10fuse2**Description**

HS Task: TMON 10

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2502 hs tstmon10fuse3**Description**

HS Task: TMON 10

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2503 hs tstmon110fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2504 hs tstmon110fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2505 hs tstmon110fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2506 hs tstmon110fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2507 hs tstmon111fuse0****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2508 hs tstmon111fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2509 hs tstmon111fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2510 hs tstmon111fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2511 hs tstmon112fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2512 hs tstmon112fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2513 hs tstmon112fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2514 hs tstmon112fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2515 hs tstmon113fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2516 hs tstmon113fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2517 hs tstmon113fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2518 hs tstmon113fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2519 hs tstmon114fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2520 hs tstmon114fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2521 hs tstmon114fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2522 hs tstmon114fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2523 hs tstmon115fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2524 hs tstmon115fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2525 hs tstmon115fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2526 hs tstmon115fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2527 hs tstmon116fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2528 hs tstmon116fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2529 hs tstmon116fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2530 hs tstmon116fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2531 hs tstmon117fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2532 hs tstmon117fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2533 hs tstmon117fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2534 hs tstmon117fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2535 hs tstmon118fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2536 hs tstmon118fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2537 hs tstmon118fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2538 hs tstmon118fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2539 hs tstmon119fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2540 hs tstmon119fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2541 hs tstmon119fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2542 hs tstmon119fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2543 hs tstmon11fuse0**Description**

HS Task: TMON 11

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2544 hs tstmon11fuse1**Description**

HS Task: TMON 11

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2545 hs tstmon11fuse2**Description**

HS Task: TMON 11

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2546 hs tstmon11fuse3**Description**

HS Task: TMON 11

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2547 hs tstmon120fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2548 hs tstmon120fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2549 hs tstmon120fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2550 hs tstmon120fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2551 hs tstmon121fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2552 hs tstmon121fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2553 hs tstmon121fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2554 hs tstmon121fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2555 hs tstmon122fuse0****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2556 hs tstmon122fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2557 hs tstmon122fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2558 hs tstmon122fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2559 hs tstmon123fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2560 hs tstmon123fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2561 hs tstmon123fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2562 hs tstmon123fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2563 hs tstmon124fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2564 hs tstmon124fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2565 hs tstmon124fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2566 hs tstmon124fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2567 hs tstmon125fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2568 hs tstmon125fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2569 hs tstmon125fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2570 hs tstmon125fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2571 hs tstmon126fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2572 hs tstmon126fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2573 hs tstmon126fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2574 hs tstmon126fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2575 hs tstmon127fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2576 hs tstmon127fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2577 hs tstmon127fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2578 hs tstmon127fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2579 hs tstmon12fuse0**Description**

HS Task: TMON 12

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2580 hs tstmon12fuse1****Description**

HS Task: TMON 12

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2581 hs tstmon12fuse2****Description**

HS Task: TMON 12

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2582 hs tstmon12fuse3****Description**

HS Task: TMON 12

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2583 hs tstmon13fuse0**Description**

HS Task: TMON 13

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2584 hs tstmon13fuse1**Description**

HS Task: TMON 13

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2585 hs tstmon13fuse2**Description**

HS Task: TMON 13

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2586 hs tstmon13fuse3**Description**

HS Task: TMON 13

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2587 hs tstmon14fuse0**Description**

HS Task: TMON 14

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2588 hs tstmon14fuse1****Description**

HS Task: TMON 14

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2589 hs tstmon14fuse2****Description**

HS Task: TMON 14

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2590 hs tstmon14fuse3****Description**

HS Task: TMON 14

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2591 hs tstmon15fuse0**Description**

HS Task: TMON 15

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2592 hs tstmon15fuse1**Description**

HS Task: TMON 15

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2593 hs tstmon15fuse2**Description**

HS Task: TMON 15

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2594 hs tstmon15fuse3**Description**

HS Task: TMON 15

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2595 hs tstmon16fuse0**Description**

HS Task: TMON 16

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2596 hs tstmon16fuse1**Description**

HS Task: TMON 16

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2597 hs tstmon16fuse2**Description**

HS Task: TMON 16

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2598 hs tstmon16fuse3**Description**

HS Task: TMON 16

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2599 hs tstmon17fuse0**Description**

HS Task: TMON 17

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2600 hs tstmon17fuse1**Description**

HS Task: TMON 17

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2601 hs tstmon17fuse2**Description**

HS Task: TMON 17

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2602 hs tstmon17fuse3**Description**

HS Task: TMON 17

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2603 hs tstmon18fuse0**Description**

HS Task: TMON 18

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2604 hs tstmon18fuse1****Description**

HS Task: TMON 18

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2605 hs tstmon18fuse2****Description**

HS Task: TMON 18

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2606 hs tstmon18fuse3****Description**

HS Task: TMON 18

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2607 hs tstmon19fuse0**Description**

HS Task: TMON 19

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2608 hs tstmon19fuse1**Description**

HS Task: TMON 19

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2609 hs tstmon19fuse2**Description**

HS Task: TMON 19

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2610 hs tstmon19fuse3**Description**

HS Task: TMON 19

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2611 hs tstmon1fuse0**Description**

HS Task: TMON 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2612 hs tstmon1fuse1**Description**

HS Task: TMON 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2613 hs tstmon1fuse2**Description**

HS Task: TMON 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2614 hs tstmon1fuse3**Description**

HS Task: TMON 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2615 hs tstmon20fuse0**Description**

HS Task: TMON 20

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2616 hs tstmon20fuse1**Description**

HS Task: TMON 20

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2617 hs tstmon20fuse2**Description**

HS Task: TMON 20

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2618 hs tstmon20fuse3**Description**

HS Task: TMON 20

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2619 hs tstmon21fuse0**Description**

HS Task: TMON 21

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2620 hs tstmon21fuse1**Description**

HS Task: TMON 21

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2621 hs tstmon21fuse2**Description**

HS Task: TMON 21

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2622 hs tstmon21fuse3**Description**

HS Task: TMON 21

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2623 hs tstmon22fuse0**Description**

HS Task: TMON 22

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2624 hs tstmon22fuse1**Description**

HS Task: TMON 22

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2625 hs tstmon22fuse2**Description**

HS Task: TMON 22

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2626 hs tstmon22fuse3**Description**

HS Task: TMON 22

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2627 hs tstmon23fuse0**Description**

HS Task: TMON 23

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2628 hs tstmon23fuse1**Description**

HS Task: TMON 23

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2629 hs tstmon23fuse2**Description**

HS Task: TMON 23

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2630 hs tstmon23fuse3**Description**

HS Task: TMON 23

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2631 hs tstmon24fuse0**Description**

HS Task: TMON 24

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2632 hs tstmon24fuse1**Description**

HS Task: TMON 24

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2633 hs tstmon24fuse2**Description**

HS Task: TMON 24

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2634 hs tstmon24fuse3**Description**

HS Task: TMON 24

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2635 hs tstmon25fuse0**Description**

HS Task: TMON 25

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2636 hs tstmon25fuse1**Description**

HS Task: TMON 25

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2637 hs tstmon25fuse2**Description**

HS Task: TMON 25

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2638 hs tstmon25fuse3**Description**

HS Task: TMON 25

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2639 hs tstmon26fuse0**Description**

HS Task: TMON 26

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2640 hs tstmon26fuse1**Description**

HS Task: TMON 26

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2641 hs tstmon26fuse2**Description**

HS Task: TMON 26

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2642 hs tstmon26fuse3**Description**

HS Task: TMON 26

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2643 hs tstmon27fuse0**Description**

HS Task: TMON 27

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2644 hs tstmon27fuse1**Description**

HS Task: TMON 27

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2645 hs tstmon27fuse2**Description**

HS Task: TMON 27

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2646 hs tstmon27fuse3**Description**

HS Task: TMON 27

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2647 hs tstmon28fuse0**Description**

HS Task: TMON 28

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2648 hs tstmon28fuse1**Description**

HS Task: TMON 28

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2649 hs tstmon28fuse2**Description**

HS Task: TMON 28

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2650 hs tstmon28fuse3**Description**

HS Task: TMON 28

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2651 hs tstmon29fuse0**Description**

HS Task: TMON 29

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2652 hs tstmon29fuse1**Description**

HS Task: TMON 29

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2653 hs tstmon29fuse2**Description**

HS Task: TMON 29

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2654 hs tstmon29fuse3**Description**

HS Task: TMON 29

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2655 hs tstmon2fuse0**Description**

HS Task: TMON 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2656 hs tstmon2fuse1**Description**

HS Task: TMON 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2657 hs tstmon2fuse2**Description**

HS Task: TMON 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2658 hs tstmon2fuse3**Description**

HS Task: TMON 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2659 hs tstmon30fuse0**Description**

HS Task: TMON30

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2660 hs tstmon30fuse1**Description**

HS Task: TMON30

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2661 hs tstmon30fuse2**Description**

HS Task: TMON30

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2662 hs tstmon30fuse3**Description**

HS Task: TMON30

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2663 hs tstmon31fuse0**Description**

HS Task: TMON 31

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2664 hs tstmon31fuse1**Description**

HS Task: TMON 31

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2665 hs tstmon31fuse2**Description**

HS Task: TMON 31

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2666 hs tstmon31fuse3**Description**

HS Task: TMON 31

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2667 hs tstmon32fuse0**Description**

HS Task: TMON 32

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2668 hs tstmon32fuse1**Description**

HS Task: TMON 32

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2669 hs tstmon32fuse2**Description**

HS Task: TMON 32

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2670 hs tstmon32fuse3**Description**

HS Task: TMON 32

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2671 hs tstmon33fuse0**Description**

HS Task: TMON 33

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2672 hs tstmon33fuse1**Description**

HS Task: TMON 33

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2673 hs tstmon33fuse2**Description**

HS Task: TMON 33

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2674 hs tstmon33fuse3**Description**

HS Task: TMON 33

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2675 hs tstmon34fuse0**Description**

HS Task: TMON 34

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2676 hs tstmon34fuse1**Description**

HS Task: TMON 34

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2677 hs tstmon34fuse2**Description**

HS Task: TMON 34

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2678 hs tstmon34fuse3**Description**

HS Task: TMON 34

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2679 hs tstmon35fuse0**Description**

HS Task: TMON 35

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2680 hs tstmon35fuse1**Description**

HS Task: TMON 35

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2681 hs tstmon35fuse2**Description**

HS Task: TMON 35

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2682 hs tstmon35fuse3**Description**

HS Task: TMON 35

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2683 hs tstmon36fuse0**Description**

HS Task: TMON 36

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2684 hs tstmon36fuse1**Description**

HS Task: TMON 36

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2685 hs tstmon36fuse2**Description**

HS Task: TMON 36

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2686 hs tstmon36fuse3**Description**

HS Task: TMON 36

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2687 hs tstmon37fuse0**Description**

HS Task: TMON 37

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2688 hs tstmon37fuse1**Description**

HS Task: TMON 37

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2689 hs tstmon37fuse2**Description**

HS Task: TMON 37

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2690 hs tstmon37fuse3**Description**

HS Task: TMON 37

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2691 hs tstmon38fuse0**Description**

HS Task: TMON 38

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2692 hs tstmon38fuse1**Description**

HS Task: TMON 38

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2693 hs tstmon38fuse2**Description**

HS Task: TMON 38

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2694 hs tstmon38fuse3**Description**

HS Task: TMON 38

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2695 hs tstmon39fuse0**Description**

HS Task: TMON 39

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2696 hs tstmon39fuse1**Description**

HS Task: TMON 39

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2697 hs tstmon39fuse2**Description**

HS Task: TMON 39

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2698 hs tstmon39fuse3**Description**

HS Task: TMON 39

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2699 hs tstmon3fuse0**Description**

HS Task: TMON 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2700 hs tstmon3fuse1**Description**

HS Task: TMON 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2701 hs tstmon3fuse2**Description**

HS Task: TMON 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2702 hs tstmon3fuse3**Description**

HS Task: TMON 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2703 hs tstmon40fuse0**Description**

HS Task: TMON 40

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2704 hs tstmon40fuse1**Description**

HS Task: TMON 40

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2705 hs tstmon40fuse2**Description**

HS Task: TMON 40

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2706 hs tstmon40fuse3**Description**

HS Task: TMON 40

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2707 hs tstmon41fuse0**Description**

HS Task: TMON 41

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2708 hs tstmon41fuse1**Description**

HS Task: TMON 41

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2709 hs tstmon41fuse2**Description**

HS Task: TMON 41

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2710 hs tstmon41fuse3**Description**

HS Task: TMON 41

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2711 hs tstmon42fuse0**Description**

HS Task: TMON 42

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2712 hs tstmon42fuse1**Description**

HS Task: TMON 42

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2713 hs tstmon42fuse2**Description**

HS Task: TMON 42

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2714 hs tstmon42fuse3**Description**

HS Task: TMON 42

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2715 hs tstmon43fuse0**Description**

HS Task: TMON 43

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2716 hs tstmon43fuse1**Description**

HS Task: TMON 43

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2717 hs tstmon43fuse2**Description**

HS Task: TMON 43

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2718 hs tstmon43fuse3**Description**

HS Task: TMON 43

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2719 hs tstmon44fuse0**Description**

HS Task: TMON 44

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2720 hs tstmon44fuse1**Description**

HS Task: TMON 44

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2721 hs tstmon44fuse2**Description**

HS Task: TMON 44

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2722 hs tstmon44fuse3**Description**

HS Task: TMON 44

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2723 hs tstmon45fuse0**Description**

HS Task: TMON 45

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2724 hs tstmon45fuse1**Description**

HS Task: TMON 45

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2725 hs tstmon45fuse2**Description**

HS Task: TMON 45

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2726 hs tstmon45fuse3**Description**

HS Task: TMON 45

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2727 hs tstmon46fuse0**Description**

HS Task: TMON 46

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2728 hs tstmon46fuse1**Description**

HS Task: TMON 46

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2729 hs tstmon46fuse2**Description**

HS Task: TMON 46

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2730 hs tstmon46fuse3**Description**

HS Task: TMON 46

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2731 hs tstmon47fuse0**Description**

HS Task: TMON 47

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2732 hs tstmon47fuse1**Description**

HS Task: TMON 47

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2733 hs tstmon47fuse2**Description**

HS Task: TMON 47

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2734 hs tstmon47fuse3**Description**

HS Task: TMON 47

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2735 hs tstmon48fuse0**Description**

HS Task: TMON 48

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2736 hs tstmon48fuse1**Description**

HS Task: TMON 48

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2737 hs tstmon48fuse2**Description**

HS Task: TMON 48

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2738 hs tstmon48fuse3**Description**

HS Task: TMON 48

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2739 hs tstmon49fuse0**Description**

HS Task: TMON 49

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2740 hs tstmon49fuse1**Description**

HS Task: TMON 49

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2741 hs tstmon49fuse2**Description**

HS Task: TMON 49

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2742 hs tstmon49fuse3**Description**

HS Task: TMON 49

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2743 hs tstmon4fuse0**Description**

HS Task: TMON 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2744 hs tstmon4fuse1**Description**

HS Task: TMON 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2745 hs tstmon4fuse2**Description**

HS Task: TMON 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2746 hs tstmon4fuse3**Description**

HS Task: TMON 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2747 hs tstmon50fuse0**Description**

HS Task: TMON 50

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2748 hs tstmon50fuse1**Description**

HS Task: TMON 50

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2749 hs tstmon50fuse2**Description**

HS Task: TMON 50

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2750 hs tstmon50fuse3**Description**

HS Task: TMON 50

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2751 hs tstmon51fuse0**Description**

HS Task: TMON 51

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2752 hs tstmon51fuse1**Description**

HS Task: TMON 51

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2753 hs tstmon51fuse2**Description**

HS Task: TMON 51

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2754 hs tstmon51fuse3**Description**

HS Task: TMON 51

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2755 hs tstmon52fuse0**Description**

HS Task: TMON 52

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2756 hs tstmon52fuse1**Description**

HS Task: TMON 52

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2757 hs tstmon52fuse2**Description**

HS Task: TMON 52

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2758 hs tstmon52fuse3**Description**

HS Task: TMON 52

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2759 hs tstmon53fuse0**Description**

HS Task: TMON 53

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2760 hs tstmon53fuse1**Description**

HS Task: TMON 53

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2761 hs tstmon53fuse2**Description**

HS Task: TMON 53

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2762 hs tstmon53fuse3**Description**

HS Task: TMON 53

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2763 hs tstmon54fuse0**Description**

HS Task: TMON 54

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2764 hs tstmon54fuse1**Description**

HS Task: TMON 54

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2765 hs tstmon54fuse2**Description**

HS Task: TMON 54

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2766 hs tstmon54fuse3**Description**

HS Task: TMON 54

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2767 hs tstmon55fuse0**Description**

HS Task: TMON 55

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2768 hs tstmon55fuse1**Description**

HS Task: TMON 55

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2769 hs tstmon55fuse2**Description**

HS Task: TMON 55

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2770 hs tstmon55fuse3**Description**

HS Task: TMON 55

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2771 hs tstmon56fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2772 hs tstmon56fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2773 hs tstmon56fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2774 hs tstmon56fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2775 hs tstmon57fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2776 hs tstmon57fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2777 hs tstmon57fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2778 hs tstmon57fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2779 hs tstmon58fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2780 hs tstmon58fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2781 hs tstmon58fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2782 hs tstmon58fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2783 hs tstmon59fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2784 hs tstmon59fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2785 hs tstmon59fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2786 hs tstmon59fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2787 hs tstmon5fuse0**Description**

HS Task: TMON 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2788 hs tstmon5fuse1**Description**

HS Task: TMON 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2789 hs tstmon5fuse2**Description**

HS Task: TMON 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2790 hs tstmon5fuse3**Description**

HS Task: TMON 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2791 hs tstmon60fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2792 hs tstmon60fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2793 hs tstmon60fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2794 hs tstmon60fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2795 hs tstmon61fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2796 hs tstmon61fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2797 hs tstmon61fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2798 hs tstmon61fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2799 hs tstmon62fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2800 hs tstmon62fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2801 hs tstmon62fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2802 hs tstmon62fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2803 hs tstmon63fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2804 hs tstmon63fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2805 hs tstmon63fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2806 hs tstmon63fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2807 hs tstmon64fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2808 hs tstmon64fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2809 hs tstmon64fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2810 hs tstmon64fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2811 hs tstmon65fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2812 hs tstmon65fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2813 hs tstmon65fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2814 hs tstmon65fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2815 hs tstmon66fuse0****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2816 hs tstmon66fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2817 hs tstmon66fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2818 hs tstmon66fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2819 hs tstmon67fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2820 hs tstmon67fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2821 hs tstmon67fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2822 hs tstmon67fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2823 hs tstmon68fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2824 hs tstmon68fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2825 hs tstmon68fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2826 hs tstmon68fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2827 hs tstmon69fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2828 hs tstmon69fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2829 hs tstmon69fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2830 hs tstmon69fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2831 hs tstmon6fuse0**Description**

HS Task: TMON 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2832 hs tstmon6fuse1**Description**

HS Task: TMON 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2833 hs tstmon6fuse2**Description**

HS Task: TMON 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2834 hs tstmon6fuse3**Description**

HS Task: TMON 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2835 hs tstmon70fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2836 hs tstmon70fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2837 hs tstmon70fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2838 hs tstmon70fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2839 hs tstmon71fuse0****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2840 hs tstmon71fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2841 hs tstmon71fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2842 hs tstmon71fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2843 hs tstmon72fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2844 hs tstmon72fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2845 hs tstmon72fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2846 hs tstmon72fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2847 hs tstmon73fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2848 hs tstmon73fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2849 hs tstmon73fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2850 hs tstmon73fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2851 hs tstmon74fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2852 hs tstmon74fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2853 hs tstmon74fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2854 hs tstmon74fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2855 hs tstmon75fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2856 hs tstmon75fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2857 hs tstmon75fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2858 hs tstmon75fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2859 hs tstmon76fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2860 hs tstmon76fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2861 hs tstmon76fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2862 hs tstmon76fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2863 hs tstmon77fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2864 hs tstmon77fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2865 hs tstmon77fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2866 hs tstmon77fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2867 hs tstmon78fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2868 hs tstmon78fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2869 hs tstmon78fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2870 hs tstmon78fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2871 hs tstmon79fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2872 hs tstmon79fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2873 hs tstmon79fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2874 hs tstmon79fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2875 hs tstmon7fuse0**Description**

HS Task: TMON 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2876 hs tstmon7fuse1**Description**

HS Task: TMON 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2877 hs tstmon7fuse2**Description**

HS Task: TMON 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2878 hs tstmon7fuse3**Description**

HS Task: TMON 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2879 hs tstmon80fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2880 hs tstmon80fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2881 hs tstmon80fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2882 hs tstmon80fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2883 hs tstmon81fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2884 hs tstmon81fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2885 hs tstmon81fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2886 hs tstmon81fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2887 hs tstmon82fuse0****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2888 hs tstmon82fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2889 hs tstmon82fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2890 hs tstmon82fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2891 hs tstmon83fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2892 hs tstmon83fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2893 hs tstmon83fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2894 hs tstmon83fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2895 hs tstmon84fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2896 hs tstmon84fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2897 hs tstmon84fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2898 hs tstmon84fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2899 hs tstmon85fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2900 hs tstmon85fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2901 hs tstmon85fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2902 hs tstmon85fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2903 hs tstmon86fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2904 hs tstmon86fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2905 hs tstmon86fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2906 hs tstmon86fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2907 hs tstmon87fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2908 hs tstmon87fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2909 hs tstmon87fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2910 hs tstmon87fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2911 hs tstmon88fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2912 hs tstmon88fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2913 hs tstmon88fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2914 hs tstmon88fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2915 hs tstmon89fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2916 hs tstmon89fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2917 hs tstmon89fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2918 hs tstmon89fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2919 hs tstmon8fuse0**Description**

HS Task: TMON 8

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2920 hs tstmon8fuse1**Description**

HS Task: TMON 8

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2921 hs tstmon8fuse2**Description**

HS Task: TMON 8

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2922 hs tstmon8fuse3**Description**

HS Task: TMON 8

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2923 hs tstmon90fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2924 hs tstmon90fuse1****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2925 hs tstmon90fuse2****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2926 hs tstmon90fuse3****Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2927 hs tstmon91fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2928 hs tstmon91fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2929 hs tstmon91fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2930 hs tstmon91fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2931 hs tstmon92fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2932 hs tstmon92fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2933 hs tstmon92fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2934 hs tstmon92fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2935 hs tstmon93fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2936 hs tstmon93fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2937 hs tstmon93fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2938 hs tstmon93fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2939 hs tstmon94fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2940 hs tstmon94fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2941 hs tstmon94fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2942 hs tstmon94fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2943 hs tstmon95fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2944 hs tstmon95fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2945 hs tstmon95fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2946 hs tstmon95fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2947 hs tstmon96fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2948 hs tstmon96fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2949 hs tstmon96fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2950 hs tstmon96fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2951 hs tstmon97fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2952 hs tstmon97fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2953 hs tstmon97fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2954 hs tstmon97fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2955 hs tstmon98fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2956 hs tstmon98fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2957 hs tstmon98fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2958 hs tstmon98fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2959 hs tstmon99fuse0**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2960 hs tstmon99fuse1**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2961 hs tstmon99fuse2**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2962 hs tstmon99fuse3**Description**

HS Task: TMON undefined

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2963 hs tstmon9fuse0**Description**

HS Task: TMON 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Limits

alarm	limit
red high	0.5
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2964 hs tstmon9fuse1**Description**

HS Task: TMON 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2965 hs tstmon9fuse2**Description**

HS Task: TMON 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2966 hs tstmon9fuse3**Description**

HS Task: TMON 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2967 hs tstmonen0**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2968 hs tstmonen1**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2969 hs tstmonen10**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2970 hs tstmonen100**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2971 hs tstmonen101**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2972 hs tstmonen102**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2973 hs tstmonen103**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2974 hs tstmonen104**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2975 hs tstmonen105**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2976 hs tstmonen106**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2977 hs tstmonen107**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2978 hs tstmonen108**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2979 hs tstmonen109**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2980 hs tstmonen11**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2981 hs tstmonen110**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2982 hs tstmonen111**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2983 hs tstmonen112****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2984 hs tstmonen113****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2985 hs tstmonen114****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2986 hs tstmonen115**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2987 hs tstmonen116**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2988 hs tstmonen117**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2989 hs tstmonen118**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2990 hs tstmonen119**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2991 hs tstmonen12**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2992 hs tstmonen120****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2993 hs tstmonen121****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.2994 hs tstmonen122****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.2995 hs tstmonen123**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2996 hs tstmonen124**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2997 hs tstmonen125**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2998 hs tstmonen126**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.2999 hs tstmonen127**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3000 hs tstmonen13**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3001 hs tstmonen14**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3002 hs tstmonen15**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3003 hs tstmonen16**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3004 hs tstmonen17**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3005 hs tstmonen18**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3006 hs tstmonen19**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3007 hs tstmonen2**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3008 hs tstmonen20****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3009 hs tstmonen21****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3010 hs tstmonen22**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3011 hs tstmonen23**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3012 hs tstmonen24**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3013 hs tstmonen25**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3014 hs tstmonen26**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3015 hs tstmonen27****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3016 hs tstmonen28****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3017 hs tstmonen29**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3018 hs tstmonen3**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3019 hs tstmonen30**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3020 hs tstmonen31**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3021 hs tstmonen32**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3022 hs tstmonen33****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3023 hs tstmonen34****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3024 hs tstmonen35**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3025 hs tstmonen36**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3026 hs tstmonen37**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3027 hs tstmonen38**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3028 hs tstmonen39**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3029 hs tstmonen4**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3030 hs tstmonen40**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3031 hs tstmonen41**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3032 hs tstmonen42**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3033 hs tstmonen43**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3034 hs tstmonen44**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3035 hs tstmonen45**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3036 hs tstmonen46****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3037 hs tstmonen47****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3038 hs tstmonen48**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3039 hs tstmonen49**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3040 hs tstmonen5**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3041 hs tstmonen50**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3042 hs tstmonen51**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3043 hs tstmonen52****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3044 hs tstmonen53****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3045 hs tstmonen54**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3046 hs tstmonen55**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3047 hs tstmonen56**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3048 hs tstmonen57**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3049 hs tstmonen58**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3050 hs tstmonen59****Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3051 hs tstmonen6****Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3052 hs tstmonen60**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3053 hs tstmonen61**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3054 hs tstmonen62**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3055 hs tstmonen63**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3056 hs tstmonen64**Description**

not used

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3057 hs tstmonen65****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3058 hs tstmonen66****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3059 hs tstmonen67****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3060 hs tstmonen68**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3061 hs tstmonen69**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3062 hs tstmonen7**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3063 hs tstmonen70****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3064 hs tstmonen71****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3065 hs tstmonen72****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3066 hs tstmonen73**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3067 hs tstmonen74**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3068 hs tstmonen75**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3069 hs tstmonen76**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3070 hs tstmonen77**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3071 hs tstmonen78**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3072 hs tstmonen79**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3073 hs tstmonen8**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3074 hs tstmonen80**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3075 hs tstmonen81****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3076 hs tstmonen82****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3077 hs tstmonen83****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3078 hs tstmonen84**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3079 hs tstmonen85**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3080 hs tstmonen86**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3081 hs tstmonen87**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3082 hs tstmonen88**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3083 hs tstmonen89**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3084 hs tstmonen9**Description**

TMON status; 0 = disabled; 1 = enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3085 hs tstmonen90**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3086 hs tstmonen91**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3087 hs tstmonen92****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3088 hs tstmonen93****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3089 hs tstmonen94****Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3090 hs tstmonen95**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3091 hs tstmonen96**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3092 hs tstmonen97**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3093 hs tstmonen98**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3094 hs tstmonen99**Description**

not used

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3095 hs tswatchmd**Description**

TS Watch Mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
ACTIVE	0	GOOD
WATCH	1	CAUTION

Discussion

0 = not in Watch, 1 = in Watch Mode, ts:watch_mode_enable (does not execute stored cmds)

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3096 hs uprocrsttmr**Description**

Critical Telemetry from UL to OBC: uproc Reset Timer

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	2
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	16
yellow high	16
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.3097 hs vcdurate**Description**

Critical Telemetry from UL to OBC: VCDU Rate

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs ul_crit_tlm_pkt (3811)

E.3098 hs vr1conpbkonflg**Description**

0 = off, 1 = on (transmits as tlm received).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3099 hs vr1dmp**Description**

0 = no, 1 = yes (VR is dumping data).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
DUMP	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3100 hs vr1fsnumsd0**Description**

Sequence # of first tlm packet in Data Set 0.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3101 hs vr1fsnumsd1**Description**

Sequence # of first tlm packet in Data Set 1.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3102 hs vr1fsnumsd2**Description**

Sequence # of first tlm packet in Data Set 2.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3103 hs vr1fsnumsd3**Description**

Sequence # of first tlm packet in Data Set 3.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3104 hs vr1lstrecseqnum**Description**

Sequence # of last recorded packet.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3105 hs vr1lsttxseqnum**Description**

Sequence # of last packet to be transmitted from this VR.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3106 hs vr1ovrwend**Description**

0 = off, 1 = on (data sent to this VR over quota writes over oldest).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3107 hs vr1pbk**Description**

0 = off, 1 = on (playback in progress for this recorder).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
PLAYBACK	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3108 hs vr1pri1ovf**Description**

0 = no, 1 = yes (exceeded priority 1 quota for this VR).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IN_LIMIT	0	GOOD
OVERFLOW	1	BAD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3109 hs vr1pri2ovf**Description**

0 = no, 1 = yes (exceeded priority 2 quota for this VR).

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3110 hs vr1rtx**Description**

0 = off, 1 = on (retransmit in progress for this recorder - not data set 0).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
REXMIT	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3111 hs vr1totalavlblks**Description**

Number of free memory blocks for recorder (quota-used).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3112 hs vr1vrsp**Description**

spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3113 hs vr2conpbkonflg**Description**

0 = off, 1 = on (transmits as tlm received).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3114 hs vr2dmp****Description**

0 = no, 1 = yes (VR is dumping data).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
DUMP	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3115 hs vr2fsnumsd0****Description**

Sequence # of first tlm packet in Data Set 0.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3116 hs vr2fsnumsd1****Description**

Sequence # of first tlm packet in Data Set 1.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3117 hs vr2fsnums2**Description**

Sequence # of first tlm packet in Data Set 2.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3118 hs vr2fsnums3**Description**

Sequence # of first tlm packet in Data Set 3.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3119 hs vr2lstrecseqnum**Description**

Sequence # of last recorded packet.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3120 hs vr2lsttxseqnum****Description**

Sequence # of last packet to be transmitted from this VR.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3121 hs vr2ovrwend****Description**

0 = off, 1 = on (data sent to this VR over quota writes over oldest).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3122 hs vr2pbk****Description**

0 = off, 1 = on (playback in progress for this recorder).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
PLAYBACK	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3123 hs vr2pri1ovf**Description**

0 = no, 1 = yes (exceeded priority 1 quota for this VR).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IN.LIMIT	0	GOOD
OVERFLOW	1	BAD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3124 hs vr2pri2ovf**Description**

0 = no, 1 = yes (exceeded priority 2 quota for this VR).

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3125 hs vr2rtx**Description**

0 = off, 1 = on (retransmit in progress for this recorder - not data set 0).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
REXMIT	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3126 hs vr2totalavlblks**Description**

Number of free memory blocks for recorder (quota-used).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3127 hs vr2vrsp**Description**

spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3128 hs vr3conpbkonflg****Description**

0 = off, 1 = on (transmits as tlm received).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3129 hs vr3dmp****Description**

0 = no, 1 = yes (VR is dumping data).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
DUMP	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3130 hs vr3fsnums0**Description**

Sequence # of first tlm packet in Data Set 0.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3131 hs vr3fsnums1**Description**

Sequence # of first tlm packet in Data Set 1.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3132 hs vr3fsnums2**Description**

Sequence # of first tlm packet in Data Set 2.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3133 hs vr3fsnums3d**Description**

Sequence # of first tlm packet in Data Set 3.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3134 hs vr3lstrecseqnum**Description**

Sequence # of last recorded packet.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3135 hs vr3lsttxseqnum**Description**

Sequence # of last packet to be transmitted from this VR.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3136 hs vr3ovrwend**Description**

0 = off, 1 = on (data sent to this VR over quota writes over oldest).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3137 hs vr3pbk**Description**

0 = off, 1 = on (playback in progress for this recorder).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
PLAYBACK	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3138 hs vr3pri1ovf**Description**

0 = no, 1 = yes (exceeded priority 1 quota for this VR).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IN_LIMIT	0	GOOD
OVERFLOW	1	BAD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3139 hs vr3pri2ovf**Description**

0 = no, 1 = yes (exceeded priority 2 quota for this VR).

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3140 hs vr3rtx**Description**

0 = off, 1 = on (retransmit in progress for this recorder - not data set 0).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
REXMIT	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3141 hs vr3totalavlblks**Description**

Number of free memory blocks for recorder (quota-used).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3142 hs vr3vrsp**Description**

spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3143 hs vr4conpbkonflg**Description**

0 = off, 1 = on (transmits as tlm received).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3144 hs vr4dmp****Description**

0 = no, 1 = yes (VR is dumping data).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
DUMP	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3145 hs vr4fsnumsd0****Description**

Sequence # of first tlm packet in Data Set 0.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3146 hs vr4fsnumsd1****Description**

Sequence # of first tlm packet in Data Set 1.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3147 hs vr4fsnumsd2**Description**

Sequence # of first tlm packet in Data Set 2.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3148 hs vr4fsnumsd3**Description**

Sequence # of first tlm packet in Data Set 3.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3149 hs vr4lstrecseqnum**Description**

Sequence # of last recorded packet.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3150 hs vr4lsttxseqnum****Description**

Sequence # of last packet to be transmitted from this VR.

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3151 hs vr4ovrwend****Description**

0 = off, 1 = on (data sent to this VR over quota writes over oldest).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3152 hs vr4pbk****Description**

0 = off, 1 = on (playback in progress for this recorder).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
PLAYBACK	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3153 hs vr4pri1ovf**Description**

0 = no, 1 = yes (exceeded priority 1 quota for this VR).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IN.LIMIT	0	GOOD
OVERFLOW	1	BAD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3154 hs vr4pri2ovf**Description**

0 = no, 1 = yes (exceeded priority 2 quota for this VR).

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3155 hs vr4rtx**Description**

0 = off, 1 = on (retransmit in progress for this recorder - not data set 0).

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IDLE	0	GOOD
REXMIT	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3156 hs vr4totalavlblks**Description**

Number of free memory blocks for recorder (quota-used).

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3157 hs vr4vrsp**Description**

spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3158 hs vrtxtickcnt****Description**

Operating system free-running tick counter (1 tick = 16.6667 mS)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt** (3808)**E.3159 hs warmrestcnt****Description**

HS Warm Restart count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3160 hs xbabstd****Description**

Bit 7 of the SBC Status register. It determines whether Bus Controller will opera

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
MilStd1553B	0	GOOD
MilStd1553A	1	BAD

Discussion

Bit 7 of the SBC Status register. It determines whether Bus Controller will operate under MIL-STD-1553A or MIL-STD-1553B. 1 = MIL-STD-1553A; 0 = MIL-STD-1553B. SORCE uses MIL-STD-1553B so this bit should be 0.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3161 hs xbaen**Description**

Bit 5 of the SBC Status register. Related to the Auto Enable feature (not used b

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Bit 5 of the SBC Status register. Related to the Auto Enable feature (not used by SORCE) of the Summit chip. This bit should be 0.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3162 hs xbbcen**Description**

Bit 4 of the SBC Control register. 1 = Broadcast Enable. For SORCE; this bit sho

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Disable	0	GOOD
Enable	1	BAD

Discussion

Bit 4 of the SBC Control register. 1 = Broadcast Enable. For SORCE; this bit should be 0.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3163 hs xbbit0**Description**

Bit 0 of the SBC Control register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3164 hs xbbit10**Description**

Bit 10 of the SBC Status register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3165 hs xbbit1211**Description**

Bits 12-11 of the SBC Controller register. N/A

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3166 hs xbbit1511****Description**

Bits 15-11 of the SBC Status register. N/A

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3167 hs xbbit2****Description**

Bit 2 of the SBC Status register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)**E.3168 hs xbbit3****Description**

Bit 3 of the SBC Control register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs fst_sup_pkt** (3782)

E.3169 hs xbbit4**Description**

Bit 4 of the SBC Status register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3170 hs xbbit5**Description**

Bit 5 of the SBC Control register. N/A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3171 hs xbbit97**Description**

Bits 9-7 of the SBC Control register. For SORCE; bit 9 is initialized to 0 by th

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Bits 9-7 of the SBC Control register. For SORCE; bit 9 is initialized to 0 by the XB software to select 14 micro-seconds Message Time-out under MIL-STD-1553B.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3172 hs xbbufr**Description**

Bit 6 of the SBC Control register. 1 = Buffer Mode Enable. For SORCE; this bit s

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Disable	0	GOOD
Enable	1	BAD

Discussion

Bit 6 of the SBC Control register. 1 = Buffer Mode Enable. For SORCE; this bit should be 0.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3173 hs xbbussel0**Description**

Star Tracker 1 bus select. 1 = A bus; 0 = B bus.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
B_Bus	0	CAUTION
A_Bus	1	GOOD

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3174 hs xbbussel1**Description**

Star Tracker 2 bus select. 1 = A bus; 0 = B bus.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
B_Bus	0	CAUTION
A_Bus	1	GOOD

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3175 hs xbbussel2**Description**

APE bus select. 1 = A bus; 0 = B bus.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
B_Bus	0	CAUTION
A_Bus	1	GOOD

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3176 hs xbbussel3**Description**

SORCE Instrument bus select. 1 = A bus; 0 = B bus.

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
B_Bus	0	CAUTION
A_Bus	1	GOOD

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3177 hs xbcmddexutedcnt**Description**

XB Number of ground commands successfully executed.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3178 hs xbcmdrjctcnt**Description**

XB Number of ground commands unsuccessfully executed.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3179 hs xbcmderr0**Description**

Count of Star Tracker 1 command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3180 hs xbcmderr1**Description**

Count of Star Tracker 2 command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3181 hs xbcmderr2**Description**

Count of APE command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3182 hs xbcmderr3**Description**

Count of SORCE Instrument command Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.3183 hs xbcmdok0****Description**

Count of Star Tracker 1 command OK

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.3184 hs xbcmdok1****Description**

Count of Star Tracker 2 command OK

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)****E.3185 hs xbcmdok2****Description**

Count of APE command OK

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets**hs slw_sup_pkt (3808)**

E.3186 hs xbcmdok3**Description**

Count of SORCE Instrument command OK

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3187 hs xberrs0**Description**

Count of Star Tracker 1 RT errors.

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3188 hs xberrs1**Description**

Count of Star Tracker 2 RT errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3189 hs xberrs2**Description**

Count of APE RT errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3190 hs xberrs3**Description**

Count of SORCE Instrument RT errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3191 hs xbetec**Description**

Bit 10 of the SBC Control register. 1 = External Timer Clock Enable. 0 = Use In

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
IntClock	0	BAD
ExtClock	1	GOOD

Discussion

Bit 10 of the SBC Control register. 1 = External Timer Clock Enable. 0 = Use Internal Timer Clock. For SORCE; this bit should be 1

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3192 hs xbex**Description**

Bit 3 of the SBC Status register; 1 = Summit is executing. 0 = Summit is idle.

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Idle	0	BAD
Executing	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3193 hs xbexcnt**Description**

xb Task Exe Count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs slw_sup_pkt (3808)

E.3194 hs xbfstsp**Description**

Spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3195 hs xbinten**Description**

Bit 1 of the Summit Control register. 1= Interrupt Log List Enable. For SORCE; t

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Disable	0	BAD
Enable	1	GOOD

Discussion

Bit 1 of the Summit Control register. 1= Interrupt Log List Enable. For SORCE; this bit should be 1.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3196 hs xblck**Description**

Bit 6 of the Summit Status register. For SORCE; this bit should be 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3197 hs xblsterrstat**Description**

XB_last_error_status contains the most recent error detected by the XB subsystem

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoError	0	GOOD
SummitStop	4	BAD
OutOfRange	6	BAD
BadPkt	7	BAD
StrmCodeMismatch	8	BAD
BadCS	9	BAD

Discussion

XB_last_error_status contains the most recent error detected by the XB subsystem. XB_last_error_status = 0 means no error. XB_last_error_status may assume the following non-zero values: 4 = SBC Summit chip stopped for some reason. When this happens; Note the value of the telemetry point XB_severe_error_status (see below). This is a severe error. The CEU must be rebooted to regain the 1553 bus traffic. 6 = Channel number is out of range when XB commanded to enable/disable a channel. 7 = XB commanded to generate a packet which Software Bus didn't like. 8 = An invalid stream and function code pair was received by an output channel. 9 = A packet with a bad checksum was received by an output channel.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3198 hs xbmsel**Description**

Bits 9-8 of the SBC Status register. 0 = Bus Controller; 1 = Remote Terminal; 2

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
BusController	0	GOOD
RemoteTerm	1	BAD
MonitorTerm	2	BAD
SMT_SRT	3	BAD

Discussion

Bits 9-8 of the SBC Status register. 0 = Bus Controller.;1 = Remote Terminal; 2 = Monitor Terminal; 3 = SMT/SRT; For SORCE; these two bits should always have value 0

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3199 hs xbppen**Description**

Bit 2 of the SBC Control register. Ping-Pong Enable. 0 = Bus Controller will ret

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
Same	0	BAD
Alternate	1	GOOD

Discussion

Bit 2 of the SBC Control register. Ping-Pong Enable. 0 = Bus Controller will retry on the same bus. 1 = Bus Controller will retry on the alternate bus. For SORCE; this bit should be 1

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3200 hs xbpresentflg**Description**

XB Task Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoResponse	0	BAD
Present	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3201 hs xbready**Description**

Bit 1 of the SBC Status register. For SORCE; this bit should be 1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NotReady	0	BAD
Ready	1	GOOD

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3202 hs xbsbit**Description**

Bit 14 of the SBC Control register. Assertion of this bit puts Summit into a Bui

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Bit 14 of the SBC Control register. Assertion of this bit puts Summit into a Built-In-Test.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3203 hs xbsevereerrstat**Description**

When the SBC operates normally; XB_severe_error_status should be 0. When XB_las

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

HS

State Conversions

state	value	desirability
NoError	0	GOOD
SummitStop	4	BAD

Discussion

When the SBC operates normally; XB_severe_error_status should be 0. When XB_last_error_status = 4 (see above); XB_severe_error_status contains the contents of the SBC Interrupt pending register at the time of the SBC's stoppage. Note this value; It will be useful in determining the cause of the stoppage.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3204 hs xbsrst**Description**

Bit 13 of the SBC Control register. Assertion of this bit puts Summit into a so

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Bit 13 of the SBC Control register. Assertion of this bit puts Summit into a software reset.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3205 hs xbstex**Description**

Bit 15 of the SBC Control register. Assertion of this bit commences operation of

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Discussion

Bit 15 of the SBC Control register. Assertion of this bit commences operation of the Summit.

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3206 hs xbteract**Description**

Bit 0 of the SBC Status register. For SORCE; this bit should be 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

HS

Telemetry Source Packets

hs fst_sup_pkt (3782)

E.3207 pg PG200_error_cnt**Description**

Error count for error type PG200

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3208 pg PG201_error_cnt**Description**

Error count for error type PG201

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3209 pg PG202_error_cnt**Description**

Error count for error type PG202

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3210 pg PG203_error_cnt**Description**

Error count for error type PG203

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3211 pg Spare**Description**

PG TLM NULL

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3212 pg a2w1id**Description**

PG TLM Null

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3213 pg a2w2b2sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3214 pg a2w2id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3215 pg a2w2s17sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3216 pg a2w2s19sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3217 pg a2w2s20sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3218 pg a2w2s21sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3219 pg a2w2s22sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3220 pg a2w2s23sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3221 pg a2w2s24sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3222 pg a2w3id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3223 pg a2w3s25sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3224 pg a2w3s26sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3225 pg a2w3s27sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3226 pg a2w3s28sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3227 pg a2w3s29sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3228 pg a2w3s30sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3229 pg a3w1id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3230 pg a3w2b1sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3231 pg a3w2b5sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3232 pg a3w2id**Description**

PG TLM Spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3233 pg a3w2s19sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3234 pg a3w2s20sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3235 pg a3w2s21sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3236 pg a3w2s22sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3237 pg a3w2s23sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3238 pg a3w2s24sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3239 pg a3w3id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3240 pg a3w3s25sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3241 pg a3w3s26sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3242 pg a3w3s27sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3243 pg a3w3s28sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3244 pg a3w3s29sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3245 pg a3w3s30sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3246 pg a4w1b9sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3247 pg a4w1id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3248 pg a4w2b0sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3249 pg a4w2b2sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3250 pg a4w2b4sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3251 pg a4w2id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3252 pg a4w2s19sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3253 pg a4w2s20sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3254 pg a4w2s21sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3255 pg a4w2s22sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3256 pg a4w2s23sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3257 pg a4w2s24sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3258 pg a4w3b11sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3259 pg a4w3b12sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3260 pg a4w3id**Description**

PG TLM Id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3261 pg a4w3s25sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3262 pg a4w3s26sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3263 pg a4w3s27sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3264 pg a4w3s28sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3265 pg a4w3s29sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3266 pg a4w3s30sp**Description**

PG TLM Spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3267 pg acsmd**Description**

ACS mode

Data Type

8 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
LAUNCH	0	BAD
CONTRATE	1	BAD
CONTSUNACQ	2	BAD
CONTSUNPOINT	3	BAD
NORMTARGETSUN	4	GOOD
NORMTARGETEARTH	5	GOOD
NORMTRGTINERTIAL	6	GOOD
CALCRUCIFORM	7	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3268 pg aftdeck_nxtmp2**Description**

PG TLM Aft Deck (-X) Temp 2

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-18
red low	-23
delta	none

Telemetry Source Packets

pg pegtlm (3819)

E.3269 pg apeafhldarmplg1**Description**

Uplink solar array safe/arm plug indicator 1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
PriSec_Installed	0	GOOD
Pri_Installed	1	CAUTION
Sec_Installed	2	CAUTION
None_Installed	3	BAD

Telemetry Source Packets

pg pegtlm (3819)

E.3270 pg apeafhldarmplg2**Description**

Uplink solar array safe/arm plug indicator 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3271 pg apealvpstmp**Description**

PG TLM APE A Low Voltage Power Suply Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-143593
c1	551.9169921875
c2	-0.881235003471375
c3	0.000747669022530317
c4	-3.55351005509874e-07
c5	8.96804991379341e-11
c6	-9.38657009378566e-15
c7	0

Limits

alarm	limit
red high	66
yellow high	61
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3272 pg apeamain15vmon**Description**

pg_ape_a_main_15v_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	15.5
yellow high	15.1499996185303
yellow low	14.5
red low	14.25
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3273 pg apeamain5vmon**Description**

pg_ape_a_main_5v_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3274 pg apeamainn15vmon**Description**

pg_ape_a_main.n15v_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-14.25
yellow high	-14.5
yellow low	-15.1499996185303
red low	-15.5
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3275 pg apecritstata**Description**

APE A critical ststus

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3276 pg apecritstatb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3277 pg apeinsafhllda**Description**

Ape A in safehold

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**pg pegtlm (3819)****E.3278 pg apeinsafhlddb****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm (3819)****E.3279 pg apesunaqa****Description**

APE A sun acquired

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**pg pegtlm (3819)**

E.3280 pg apesunaqb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3281 pg apeuprocstata**Description**

APE A Processor status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Connect	0	GOOD
Disconnect	1	BAD

Telemetry Source Packets

pg pegtlm (3819)

E.3282 pg apeuprocstatb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm (3819)****E.3283 pg bad_sbsend_cnt****Description**

Count of SBsends with bad status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm (3814)****E.3284 pg batbaseplatetmpa****Description**

PG TLM Battery Baseplate Temp A

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3285 pg batbaseplatetmpb**Description**

PG TLM Battery Base Plate Temp B

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3286 pg batchgst**Description**

PG TLM Battery Charge State indicator

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3287 pg batcpv10voltage**Description**

pg.bat_cpv10.voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	36.3358192443848
c1	-0.0177507996559143
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtln (3819)

E.3288 pg batcpv1voltage**Description**

pg_bat_cpv1_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3289 pg batcpv2voltage**Description**

pg_bat_cpv2_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**pg pegtlm (3819)****E.3290 pg batcpv3voltage****Description**

pg_bat_cpv3_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**pg pegtlm (3819)**

E.3291 pg batcpv4voltage**Description**

pg_bat_cpv4_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	14.4960432052612
c1	-0.00708159990608692
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3292 pg batcpv5voltage**Description**

pg_bat_cpv5_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	18.1036567687988
c1	-0.00884400028735399
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**pg pegtln** (3819)**E.3293 pg batcpv6voltage****Description**

pg.bat.cpv6.voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	21.627269744873
c1	-0.0105652995407581
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**pg pegtln** (3819)

E.3294 pg batcpv7voltage**Description**

pg_bat_cpv7_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	25.2582015991211
c1	-0.0123391002416611
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3295 pg batcpv8voltage**Description**

pg_bat_cpv8_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	28.8709373474121
c1	-0.0141040002927184
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3296 pg batcpv9voltage**Description**

pg.bat.cpv9.voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	32.5255317687988
c1	-0.0158894006162882
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3297 pg batcur**Description**

pg_batt_current

Data Type

12 bits, unsigned integer, engineering units = a.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	26
yellow high	13
yellow low	-17
red low	-20
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3298 pg batpresscell1**Description**

pg_batt_press_cell1

Data Type

12 bits, unsigned integer, engineering units = psi.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	2136
c1	-1.0440000295639
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	900
yellow high	800
yellow low	300
red low	200
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3299 pg batpresscell2**Description**

pg.batt.press.cell2

Data Type

12 bits, unsigned integer, engineering units = psi.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	2136
c1	-1.0440000295639
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

pg pegtlm (3819)

E.3300 pg batrelay1pos**Description**

pg_batt_relay_1_pos

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISCONNECT	0	GOOD
CONNECT	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3301 pg batrelay2pos**Description**

pg_batt_relay_2_pos

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISCONNECT	0	GOOD
CONNECT	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3302 pg battmpcell1**Description**

pg_batt.temp_cell1

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	25
yellow high	20
yellow low	-5
red low	-10
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3303 pg battmpcell2**Description**

pg_batt_temp_cell2

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	25
yellow high	20
yellow low	-5
red low	-10
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3304 pg batvagecpv11**Description**

pg_batt_voltage_cpv11

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	39.6362380981445
c1	-0.01936100050807
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	36
yellow high	34.7000007629395
yellow low	26
red low	25
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3305 pg btprepnsuhtenpr**Description**

Battery Cell Survival Heater Enable, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3306 pg btsuhtenrd**Description**

PG TLM Battery Cell Survival Heater Enable, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3307 pg bus2khzpherrw2af**Description**

pg_Two_khz_bus_out_of_phase_lock_w2_af

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Lock	0	GOOD
NoLock	1	BAD

Telemetry Source Packets

pg pegtln (3819)

E.3308 pg buscurld**Description**

pg_bus_current_load

Data Type

12 bits, unsigned integer, engineering units = a.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	20
yellow high	17
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3309 pg busvoltage**Description**

pg_bus_voltage

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	39.6362380981445
c1	-0.01936100050807
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	36
yellow high	36
yellow low	21.5
red low	21.5
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3310 pg cdedtctrpnirtd**Description**

PG TLM CDE Dectector PNL RTD

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-33847.671875
c1	129.143096923828
c2	-0.204334497451782
c3	0.000171243998920545
c4	-7.99999995138023e-08
c5	1.98000001810916e-11
c6	-2.01000007823027e-15
c7	0

Limits

alarm	limit
red high	65
yellow high	60
yellow low	-25
red low	-60
delta	<i>none</i>

Telemetry Source Packets**pg pegtlm** (3819)**E.3311 pg cdepwpr****Description**

PG TLM Cde Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3312 pg cdepwrd****Description**

PG TLM Cde Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3313 pg ceua3vmon****Description**

pg_ceu_a_3v_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	3.45000004768372
yellow high	3.33999991416931
yellow low	3.25999999046326
red low	3.15000009536743
delta	<i>none</i>

Telemetry Source Packets**pg pegtlm** (3819)**E.3314 pg ceua5vcritmon****Description**

pg_ceu_a_5v_crit_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3315 pg ceua5vncritmon**Description**

pg_ceu_a_5v_ncrit_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.15000009536743
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3316 pg ceualvpstmp**Description**

PG TLM CEU Low Voltage Power Suply Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-143593
c1	551.9169921875
c2	-0.881235003471375
c3	0.000747669022530317
c4	-3.55351005509874e-07
c5	8.96804991379341e-11
c6	-9.38657009378566e-15
c7	0

Limits

alarm	limit
red high	73
yellow high	68
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3317 pg ceuan15vmon**Description**

pg_ceu_a_n15v_mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-14.1999998092651
yellow high	-14.8299999237061
yellow low	-15.1199998855591
red low	-15.8999996185303
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3318 pg ceuancrit**Description**

PG TLM Ceu A Non Critical 5 Volt Power Flag (Obc)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3319 pg ceuncpwr**Description**

PG TLM Ceu Noncritical Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3320 pg cipselpwpr**Description**

PG TLM Cips Electronics Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3321 pg cipselpwr**Description**

PG TLM Cips Electronics Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3322 pg cipsexttmp**Description**

PG TLM CIPS EXT THERM

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-1208.376953125
c1	2.25655150413513
c2	-0.00143062404822558
c3	3.14999994088794e-07
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	70
yellow low	-30
red low	-45
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3323 pg cmdeqer1553w2af**Description**

pg_Cmds_rcvd_out_seq_over_1553_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3324 pg cmdeqerdcrdw2af**Description**

pg_Cmd_out_of_seq_from_daught_card_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3325 pg cmdfforunw2af**Description**

pg_CMD_FIFO_overnun_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3326 pg cmdfwrmtdisdw2af**Description**

pg_Cmd_fetched_while_remote_cnd_disabled_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3327 pg convenbit**Description**

Convolution Encoding ENA bit (0=ENA;1 = DIS)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
ENA	0	GOOD
DIS	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3328 pg dacrddefinedw2af****Description**

pg_Daughter_card_defined_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3329 pg dacrdrstw2af****Description**

pg_Daughter_card_reset_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3330 pg dg1hzcnt****Description**

Number of TC_1HZ_SID received by the PG task

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3331 pg dghktmlcnt**Description**

PG housekeeping telemetry count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3332 pg dghsswrreterrnt**Description**

RX HSS1 write response return error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3333 pg dghsswrretokcnt**Description**

RX HSS1 write response return OK count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm (3814)****E.3334 pg dgpegtlmdlcnt****Description**

Pegasus telemetry to downlink count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm (3814)****E.3335 pg dgpegtmdlerrcnt****Description**

Pegasus telemetry to downlink error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm (3814)****E.3336 pg dgrxhsswrrscnt****Description**

RX HSS1 write response count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm (3814)**

E.3337 pg dgsvcnt**Description**

Number of State Vectors received from Pegasus Launch vehicle

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3338 pg dgtlmrstcnt**Description**

Telemetry reset count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3339 pg dgtlmtopegct**Description**

Last Four SV sent to the ground OK count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3340 pg dgltmtopegrjct**Description**

Last Four SV sent to the ground Error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3341 pg dgtskcmdrjct**Description**

PG task command reject count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3342 pg dgtskct**Description**

PG task command executed count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3343 pg dgtxct**Description**

TX message to Pegasus count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3344 pg dgtxhsswtect**Description**

TX HSS1 write command count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3345 pg dgtxhsswteerrcnt**Description**

TX HSS1 write error count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3346 pg epbatchgmd**Description**

pg_ep_batt_charge_mode

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
TRICKLE	0	GOOD
TAPER	1	GOOD
FULL	2	GOOD
DISCHARGE	3	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3347 pg epclacedsoc**Description**

pg_ep_calculated_soc

Data Type

32 bits, float, engineering units = any.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	100
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	120
yellow high	101
yellow low	50
red low	45
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3348 pg epdcshntindex**Description**

pg_ep_dc_shunt_index

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3349 pg epldshedlevel**Description**

pg_ep_loadshed_level

Data Type

3 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NOSHED	0	GOOD
LEVEL2	3	BAD
LEVEL1	4	BAD
LEVEL0	5	BAD

Telemetry Source Packets

pg pegtlm (3819)

E.3350 pg epsoftsp1**Description**

pg_ep_soft_spare1

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3351 pg epsoftsp2**Description**

pg_ep_soft_spare2

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3352 pg epsoftsp4**Description**

pg_ep_soft_spare4

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3353 pg epsftsp5**Description**

PG TLM Spare

Data Type

6 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3354 pg f1outoflckw2af**Description**

pg_F1_out_of_lock_w2_af

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
LOCK	0	GOOD
SEARCH	1	CAUTION

Telemetry Source Packets

pg pegtln (3819)

E.3355 pg f2outoflckw2af**Description**

pg_F2_out_of_lock_w2_af

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
LOCK	0	GOOD
SEARCH	1	CAUTION

Telemetry Source Packets

pg pegtlm (3819)

E.3356 pg flushnotemptw2af**Description**

pg_FIFO_flush_when_FIFOs_not_empty_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3357 pg good_sbsend_cnt**Description**

Count of SBsends with good status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3358 pg hktlmhws**Description**

PG Task: Housekeeping telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3359 pg hktlmhwss**Description**

PG Task: Housekeeping telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3360 pg hktlmlws**Description**

PG Task: Housekeeping telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3361 pg hktlmlwss**Description**

PG Task: Housekeeping telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm** (3814)**E.3362 pg hktlmpid****Description**

PG Task: Housekeeping telemetry packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm** (3814)**E.3363 pg hktlmpl****Description**

PG Task: Housekeeping telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm** (3814)**E.3364 pg hktlmsct****Description**

PG Task: Housekeeping telemetry packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg hktlm** (3814)

E.3365 pg hktlmsflg**Description**

PG Task: Housekeeping telemetry packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3366 pg inhttpwpr**Description**

PG TLM Instrument Heater Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3367 pg inhttpwrdr**Description**

PG TLM Instrument Heater Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3368 pg iru12pwr**Description**

PG TLM Iru-1 And Iru-2 Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3369 pg iru1pwpr**Description**

PG TLM Iru-1 Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3370 pg iru2pwpr**Description**

PG TLM Iru-2 Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3371 pg iruawheelcurcal**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru a wheel cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3372 pg iruawheelcurgain**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru a wheel gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3373 pg iruawheelcurmag**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru a wheel magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.25
yellow high	1.75
yellow low	0.850000023841858
red low	0.699999988079071
delta	<i>none</i>

Discussion

Values of up to 9 V are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

pg pegtln (3819)

E.3374 pg iruax**Description**

PG TLM XB AC Fast Tlm Msg from APE; IRU A X axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3375 pg iruay**Description**

PG TLM XB AC Fast Tlm Msg from APE; IRU A Y axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3376 pg irubwheelcurcal**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru b wheel cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3377 pg irubwheelcurgain**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru b wheel gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3378 pg irubwheelcurmag**Description**

PG TLM XB AC Slow Tlm Msg from APE; iru b wheel magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.25
yellow high	1.75
yellow low	0.850000023841858
red low	0.699999988079071
delta	<i>none</i>

Discussion

Values of up to 9 V are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus

Telemetry Source Packets

pg pegtln (3819)

E.3379 pg irubx**Description**

PG TLM XB AC Fast Tlm Msg from APE; IRU B X axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3380 pg iruby**Description**

PG TLM XB AC Fast Tlm Msg from APE; IRU B Y axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3381 pg lstrtsfired**Description**

Last RTS fired

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3382 pg lvsep3**Description**

pg_lv_sep_3

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Mated	0	CAUTION
Sep	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3383 pg maxsubpktallow**Description**

Max number of sub-pkts allowed in super-pkt

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3384 pg mtbcurxcal**Description**

pg_mtb_current_x_cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3385 pg mtbcurxgain****Description**

pg_mtb_current_x_gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3386 pg mtbcurxmag****Description**

pg_mtb_current_x_magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3387 pg mtbxpwra****Description**

PG TLM Mtb X Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3388 pg mtbypwra**Description**

PG TLM Mtb Y Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3389 pg mtbzipwra**Description**

PG TLM Mtb Z Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3390 pg mxmypnltmp**Description**

PG TLM TP Task: Negative X Negative Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3391 pg mxpnltmp**Description**

PG TLM TP Task: Negative X Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3392 pg nadk_nxtmp**Description**

PG TLM NADK (-X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3393 pg nu1**Description**

pg_not_used1

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3394 pg nu2**Description**

pg_not_used2

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3395 pg nu264**Description**

pg_not_used3

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3396 pg nu275**Description**

pg_not_used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3397 pg pegsvtlmhws**Description**

PG Task: Pegasus SV telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3398 pg pegsvtlmlhwss****Description**

PG Task: Pegasus SV telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3399 pg pegsvtlmlws****Description**

PG Task: Pegasus SV telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3400 pg pegsvtlmlwss****Description**

PG Task: Pegasus SV telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)**

E.3401 pg pegsvtlmpid**Description**

PG Task: Pegasus SV telemetry packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3402 pg pegsvtlmpl**Description**

PG Task: Pegasus SV telemetry packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3403 pg pegsvtlmsct**Description**

PG Task: Pegasus SV telemetry packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3404 pg pegsvtlmsflg**Description**

PG Task: Pegasus SV telemetry packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3405 pg pegtlmend**Description**

Pegasus Telemetry processing enabled (T/F)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3406 pg phtrenbatoper**Description**

PG TLM Pri Htr Ena Batt Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3407 pg phtrenstoper**Description**

PG TLM Eps Slow Tlm Msg From Ape; Pri Htr Ena St Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3408 pg phtrensurvbatpre**Description**

PG TLM Batt & Pre Panel

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3409 pg phtrgcst1**Description**

PG TLM Pri Htr Gc St1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3410 pg ppp1tmp**Description**

PG TLM HDRM 1 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3411 pg ppp2tmp**Description**

PG TLM HDRM 2 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3412 pg ppp3tmp**Description**

PG TLM HDRM 3 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3413 pg ppp4tmp**Description**

PG TLM HDRM 4 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3414 pg ppp5tmp**Description**

PG TLM HDRM 5 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegt1m (3819)

E.3415 pg ppp6tmp**Description**

PG TLM HDRM 6 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	65
yellow low	-45
red low	-50
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3416 pg preshttmp**Description**

PG TLM PRE Shunt Card AD590 Sensor - counts to degrees celcius

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Limits

alarm	limit
red high	62
yellow high	58
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3417 pg pri1htrgcbat**Description**

PG TLM Pri1 Htr Gc Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtln** (3819)**E.3418 pg pri2htrgcbat****Description**

PG TLM Pri2 Htr Gc Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtln** (3819)**E.3419 pg pulsecmdornw2af****Description**

pg_Pulse_cmd_overnrn.w2.af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtln** (3819)

E.3420 pg pwmcntrlmd**Description**

pg_pwm_cntrl_mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
ENABLED	0	GOOD
DISABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3421 pg pwmdutycyclcmd**Description**

pg_pwm_duty_cycle_cmd

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	86
yellow high	77
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3422 pg pwr**Description**

PG TLM St1 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3423 pg r1htrgcbat**Description**

PG TLM Redun1 Htr Gc Batt

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3424 pg r2htrgcbat**Description**

PG TLM Redun2 Htr Gc Batt

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3425 pg rhtrenbatoper**Description**

PG TLM Eps Slow Tlm Msg From Ape; Redun Htr Ena Batt Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3426 pg rhtrenstoper**Description**

PG TLM Eps Slow Tlm Msg From Ape; Redun Htr Ena St Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3427 pg rhtrgcst1**Description**

PG TLM Redun Htr Gc St1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3428 pg rts_activ_ctr**Description**

Total RTS activation ctr, incr when an RTS is started without error

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3429 pg rtscnter**Description**

RTS Counter

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3430 pg rwa1pwr**Description**

PG TLM Rwa 1 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3431 pg rwa2pwr**Description**

PG TLM Rwa 2 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3432 pg rwa3pwr**Description**

PG TLM Rwa 3 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3433 pg rwatach1accum**Description**

pg_rwa_tach1.Count RWA 1 Tachometer Data

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3434 pg rwatach1whlid**Description**

pg_rwa_tach1.WheelID RWA 1 Tachometer Data

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3435 pg rwatach2accum****Description**

pg_rwa_tach2_Count RWA 2 Tachometer Data

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3436 pg rwatach2whlid****Description**

pg_rwa_tach2_WheelID RWA 2 Tachometer Data

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3437 pg rwatach3accum****Description**

pg_rwa_tach3_Count RWA 3 Tachometer Data

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)

E.3438 pg rwatach3whlid**Description**

pg_rwa_tach3_WheelID RWA 3 Tachometer Data

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3439 pg rwaxpwr**Description**

PG TLM Rwa-X Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3440 pg rwaypwr**Description**

PG TLM Rwa-Y Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3441 pg rwazopht**Description**

PG TLM Rwa-Z Operational Heater

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3442 pg rwazpwr**Description**

PG TLM Rwa-Z Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3443 pg rx_cr_lock**Description**

PG TLM Rx Carrier Lock

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.100000001490116
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3444 pg rx_demod_lock**Description**

PG TLM Rx Demod Lock

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.100000001490116
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3445 pg rxaagc**Description**

pg_rx.a_agc

Data Type

12 bits, unsigned integer, engineering units = dbm.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	2.10479998588562
c1	0.0164000000804663
c2	-5.99999984842725e-05
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-30
yellow high	-50
yellow low	-115
red low	-122
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3446 pg rxalooptress**Description**

PG TLM RCV A Loop Stress - Offset Frequency from n

Data Type

12 bits, unsigned integer, engineering units = khz.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	715.789978027344
c1	-0.459500014781952
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	140
yellow high	100
yellow low	-100
red low	-140
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3447 pg sadppwenpr**Description**

PG TLM Solar Array Deployment Power Enable, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3448 pg sadppwenrd**Description**

PG TLM Solar Array Deployment Power Enable, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3449 pg safulldepstat**Description**

PG TLM S/A Full deploy Stat

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3450 pg sapnnx_nxnydppr**Description**

PG TLM Sa Panels -X And -X-Y Deployment Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3451 pg sapnnx_nxnydprd**Description**

PG TLM Sa Panels -X And -X-Y Deployment Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3452 pg sapnnxpydppr**Description**

PG TLM Sa Panels -X+Y Primary Deployment

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3453 pg sapnnxpydprd**Description**

PG TLM Sa Panels -X+Y Redundant Deployment

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3454 pg sapnpxdppr_cant**Description**

PG TLM Sa Panels +X Primary Deployment (Cant)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3455 pg sapnpxdprd_cant**Description**

PG TLM Sa Panels +X Redundant Deployment (Cant)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3456 pg sapnpxpypxnydppr**Description**

PG TLM Sa Panels +X+Y And +X-Y Deployment Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3457 pg sapnpxpypxnydprd**Description**

PG TLM Sa Panels +X+Y And +X-Y Deployment Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3458 pg sappparmseta**Description**

pg_sa_ppp_arm_set_a

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7.5
yellow high	7.5
yellow low	2
red low	2
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3459 pg sappparmsedb**Description**

pg_sa_ppp_arm_set_b

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7.5
yellow high	7.5
yellow low	2
red low	2
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3460 pg shnt1dcstat**Description**

pg_shunt_1_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3461 pg shnt2dcstat**Description**

pg_shunt_2_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets

pg pegtlm (3819)

E.3462 pg shnt2pwmmd**Description**

pg_shunt_2_pwm_mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3463 pg shnt3dcstat**Description**

pg_shunt_3_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3464 pg shnt4dcstat**Description**

pg_shunt_4_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets

pg pegtlm (3819)

E.3465 pg shnt4pwmmmd**Description**

pg_shunt_4_pwm_mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets**pg pegtlm (3819)****E.3466 pg shnt5dcstat****Description**

pg_shunt_5_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtlm (3819)****E.3467 pg shnt6dcstat****Description**

pg_shunt_6_dc_status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets**pg pegtlm (3819)**

E.3468 pg shnt6pwmmd**Description**

pg_shunt_6_pwm_mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3469 pg shntwrddid1**Description**

pg_shunt_wrd_id1

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3470 pg shntwrddid2**Description**

pg_shunt_wrd_id2

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3471 pg slrarcur****Description**

pg_solar_array_current

Data Type

12 bits, unsigned integer, engineering units = a.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	30
yellow high	30
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**pg pegtlm** (3819)**E.3472 pg slraroptcur****Description**

pg_solar_array_output_current

Data Type

12 bits, unsigned integer, engineering units = a.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	28
yellow high	28
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3473 pg slrarshntcur**Description**

pg_solar_array_shunt.current

Data Type

12 bits, unsigned integer, engineering units = a.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	26
yellow high	26
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3474 pg sofiecvpwenpr**Description**

PG TLM Sofie Cover Power Enable, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3475 pg sofiecvpwenrd**Description**

PG TLM Sofie Cover Power Enable, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3476 pg sofieel_inpwpr**Description**

PG TLM Sofie Electronics And Instrument Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3477 pg sofieel_inpwrd**Description**

PG TLM Sofie Electronics And Instrument Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3478 pg sofieexttmpa**Description**

PG TLM SOFIE INST EXT THERM A

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-33847.671875
c1	129.143096923828
c2	-0.204334497451782
c3	0.000171243998920545
c4	-7.99999995138023e-08
c5	1.98000001810916e-11
c6	-2.01000007823027e-15
c7	0

Limits

alarm	limit
red high	79
yellow high	74
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3479 pg sp11**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3480 pg sp13**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3481 pg sp15**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3482 pg sp18**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3483 pg sp1xbepsfst**Description**

pg_ep_fast_spare1

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3484 pg sp2**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3485 pg sp22**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3486 pg sp23**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3487 pg sp24**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3488 pg sp26**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3489 pg sp27**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3490 pg sp2xbepsfst**Description**

pg_ep_fast_spare2

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3491 pg sp30**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3492 pg sp3xbepsfst**Description**

pg_ep_fast_spare3

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3493 pg sp40**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3494 pg sp45**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3495 pg sp4xbepsfst**Description**

pg_ep_fast_spare4

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3496 pg sp5xbepsfst**Description**

pg_ep_fast_spare5

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3497 pg sp6**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3498 pg sp63**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3499 pg sp64**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3500 pg sp65**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3501 pg sp66**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3502 pg sp67**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3503 pg sp68**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3504 pg sp6xbepsfst**Description**

pg_ep_fast_spare6

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3505 pg sp7xbepsfst**Description**

pg_ep_fast_spare7

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3506 pg sp8xbepsfst**Description**

pg_ep_fast_spare8

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3507 pg sp9xbepsfst**Description**

pg_ep_fast_spare9

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3508 pg sp_convenbit**Description**

Convolution Encoding ENA bit (0=ENA;1 = DIS)

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3509 pg spepmisc1**Description**

pg_ep_misc_Spare1

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3510 pg spepmisc15**Description**

pg_ep_misc_Spare7

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3511 pg spepmisc16**Description**

pg_ep_misc_Spare8

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3512 pg spepmisc2**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3513 pg spepmisc22**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3514 pg spepmisc23**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3515 pg spepmisc24**Description**

pg_ep_misc_Spare12

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3516 pg spepmisc25**Description**

pg_ep_misc_Spare13

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3517 pg spepmisc26**Description**

pg_ep_misc_Spare14

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3518 pg spepmisc27**Description**

pg_ep_misc_Spare15

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3519 pg spepmisc3**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3520 pg spepmisc30**Description**

PG TLM spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtln (3819)

E.3521 pg spepmisc5**Description**

pg_ep_misc_Spare6

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3522 pg spepslo1**Description**

pg_ep_slow_spare1

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3523 pg spepslo10**Description**

pg_ep_slow_spare10

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3524 pg spepslo11**Description**

pg_ep_slow_spare11

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3525 pg spepslo12**Description**

pg_ep_slow_spare12

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3526 pg spepslo13**Description**

pg_ep_slow_spare13

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3527 pg spepslo14**Description**

pg_ep_slow_spare14

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3528 pg spepslo2**Description**

pg_ep_slow_spare2

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3529 pg spepslo3**Description**

pg_ep_slow_spare3

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3530 pg spepslo4**Description**

pg_ep_slow_spare4

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3531 pg spepslo5**Description**

pg_ep_slow_spare5

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3532 pg spepslo6**Description**

pg_ep_slow_spare6

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3533 pg spepslo7**Description**

pg_ep_slow_spare7

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3534 pg spepslo8**Description**

pg_ep_slow_spare8

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3535 pg spepslo9**Description**

pg_ep_slow_spare9

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3536 pg stpwrđ**Description**

PG TLM Star Tracker Power, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3537 pg svloopbakend**Description**

Pegasus SV loopback enabled (T/F)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3538 pg tamafieldxcal**Description**

pg_tam.a_field.x_cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm (3819)****E.3539 pg tamafieldxgain****Description**

pg_tam_a_field_x_gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm (3819)****E.3540 pg tamafieldxmag****Description**

pg_tam_a_field_x_magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.00499999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets**pg pegtlm** (3819)**E.3541 pg tamafieldycal****Description**

pg_tam_a_field_y_cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3542 pg tamafieldygain****Description**

tam_a_field_y_gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3543 pg tamafieldymag****Description**

tam_a_field_y_magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.004999999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3544 pg tamafieldzcal**Description**

tam_a_field_z_cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3545 pg tamafieldzgain**Description**

tam_a_field_z_gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3546 pg tamafieldzmag**Description**

tam_a_field_z_magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.00499999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3547 pg tcvropht_a**Description**

PG TLM Transceiver Ops Heater A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3548 pg tcvropht_b**Description**

PG TLM Transceiver Ops Heater B

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3549 pg tcvrrwazophtpwen**Description**

PG TLM Transceiver And Rwa-Z Operational Heater Power Enable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3550 pg tcvrstrwazsuhtpw**Description**

PG TLM Transceiver, Star Tracker And Rwa-Z Survival Heater Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3551 pg tlmfechoffw2af**Description**

pg.TLM.fetch.turned.off.w2.af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3552 pg tlmhws**Description**

PG: Pegasus Telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3553 pg tlmhwss**Description**

PG: Pegasus Telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3554 pg tlmllws**Description**

PG: Pegasus Telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3555 pg tlmlwss****Description**

PG: Pegasus Telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3556 pg tlmpid****Description**

PG: Telemetry packet ID sent to Pegasus launch vehicle

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3557 pg tlmpl****Description**

PG: Pegasus Telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)

E.3558 pg tlmsct**Description**

PG: Pegasus Telemetry packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3559 pg tlmsflg**Description**

PG: Pegasus Telemetry packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3560 pg tmdfforunw2af**Description**

pg.TMD_FIFO_overrun_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3561 pg tmdffunrunw2af**Description**

pg_TMD_FIFO_underrun_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3562 pg tmrfforunw2af**Description**

pg_TMR_FIFO_overrun_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3563 pg tx_on_off_st**Description**

PG TLM Tx ON/OFF Stat

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

PG

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00100000004749745
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3564 pg txarfpwr**Description**

PG TLM TX A RF Power - Downlink RF Power at the Di

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	23.5370006561279
c1	-0.0219999998807907
c2	7.00000009601354e-06
c3	-8.00000010681146e-10
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7
yellow high	6.5
yellow low	5.5
red low	3
delta	<i>none</i>

Telemetry Source Packets**pg pegtlm** (3819)**E.3565 pg txcdoff****Description**

PG TLM Transmitter Command Off

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3566 pg txcdonpr****Description**

PG TLM Transmitter Command On, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3567 pg txcdonrd**Description**

PG TLM Transmitter Command On, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3568 pg txpwpr**Description**

PG TLM Transmitter Power Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtln (3819)

E.3569 pg txpwr**Description**

PG TLM Transmitter Power Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3570 pg txrtcdhgpr**Description**

PG TLM Transmitter Rate Command High, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3571 pg txrtcdhgpr**Description**

PG TLM Transmitter Rate Command High, Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3572 pg txrtcdlw**Description**

PG TLM Transmitter Rate Command Low

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3573 pg ulactcmdchan**Description**

Uplink active command channel

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
CHANNEL_B	0	GOOD
CHANNEL_A	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3574 pg ulbothchansrecgd****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)**E.3575 pg ulccwbootpath****Description**

Boot path select

Data Type

3 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
EEPROM	0	GOOD
SuromMon	1	GOOD
SuromMon	2	GOOD
SuromMon	3	GOOD
UART	4	GOOD
EEPROM	5	GOOD
UART	6	GOOD
EEPROM	7	GOOD

Telemetry Source Packets**pg pegtlm** (3819)

E.3576 pg ulccwsp**Description**

spare

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3577 pg ulceuselfcont5hz**Description**

Uplink CEU selef control 5 hz

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3578 pg ulceuxmtrselmate**Description**

Uplink CEU transmitter select_mate

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
SELF	0	GOOD
MATE	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3579 pg ulcmdch1ppstat****Description**

Uplink command channel 1 ping-pong data buffer status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
LoadA_ReadyB	0	GOOD
LoadB_ReadyA	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3580 pg ulcmdrjct****Description**

pg_ul_cmd_rej_cnt command error count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)

E.3581 pg ulcswlioerrst**Description**

Uplink CSW LIO error state

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3582 pg ulcswpasseqst**Description**

Uplink CSW pas seq state

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3583 pg ulcswpasst**Description**

Uplink CSW pas stste

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3584 pg ulcswsps**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3585 pg ulcswswerrst**Description**

Uplink CSW software error state

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3586 pg ulcswswst**Description**

Uplink CSW software state

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3587 pg ulct**Description**

pg_ul_cmd_cnt command count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3588 pg uldiscrittms14**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3589 pg uldiscrittms15**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3590 pg uleepprotect**Description**

Uplink EEPROM write protect

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3591 pg ulfrmcnta**Description**

pg_ul_frame_count_a uplink frame_count_a (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3592 pg ulfrmrjct**Description**

pg_ul_frame_rej_cnt frame count errors (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3593 pg ulgscct**Description**

pg_ul_gsc_cmd_cnt GSC command count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3594 pg ulgscrjct**Description**

pg_ul_gsc_rej_cnt GSC command error count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3595 pg ulhardlinenotend**Description**

Hardline Not Enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
HARDLINE	0	GOOD
RFCOMM	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3596 pg ulhss1msgcnt**Description**

pg_ul_hss1_msg_cnt HSS message count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3597 pg ulhss1rjct**Description**

pg_ul_hss1_rej_cnt HSS message error count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3598 pg ulmiscfgs1513**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3599 pg ulmiscflgsp0**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3600 pg ulmiscflgsps53**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3601 pg ulnoblckb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3602 pg ulnorfpresentb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3603 pg ulobcheartbeat**Description**

OBC Heartbeat

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Flatline	0	BAD
Present	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3604 pg ulobchlpnd**Description**

OBC HLP commanding enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3605 pg ulobcpwron**Description**

OBC Power On

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3606 pg ulobcwexpired**Description**

OBC Watchdog Expired

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
EXPIRED	0	BAD
MONITOR	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3607 pg ulobcwdrsten**Description**

Uplink OBC watchdog reset enable

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3608 pg ulpegend**Description**

Pegasus uart enabled

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3609 pg ulrstcnt**Description**

pg.ul.reset.cnt uplink reset counter (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3610 pg ulscsaerrflg**Description**

SCSA error flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3611 pg ulscsamsgetc**Description**

pg_ul_scsa_msg_cnt SCSA message count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3612 pg ulscsamsgrjct**Description**

pg_ul_scsa_msg_rej_cnt SCSA message error count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3613 pg ulsevenmintmr**Description**

Unlink 7 minute timer

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3614 pg ulstg3sep1sw**Description**

Stage 3 separation switch 1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets

pg pegtlm (3819)

E.3615 pg ulstg3sep2sw**Description**

Stage 3 separation switch 2

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3616 pg ulstg3sep3sw****Description**

Stage 3 separation switch

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

PG

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets**pg pegtlm** (3819)**E.3617 pg ulsvcnt****Description**

pg_ul_sv_cnt state vector counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegtlm** (3819)

E.3618 pg ulsverrcnt**Description**

pg_ul_sv_err_count PEGASUS SV error count (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3619 pg ulsyncsearchb**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3620 pg ultotalfrmcnt**Description**

pg_ul_total_frame_cnt total uplink frame counter (LSB)

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3621 pg uluprocrsttmr**Description**

Uplink micorprocessor reset timer

Data Type

3 bits, unsigned integer, engineering units = hr.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	0
c1	2
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	1
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3622 pg ulvcdurate**Description**

Uplink VCDU release rate

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3623 pg unusedepsfst**Description**

pg_unused

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3624 pg updiscninvw2af**Description**

pg_uP_disconnect_invoked_w2_af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegtlm (3819)

E.3625 pg vindex**Description**

PG Task: Pegasus telemetry vector index

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3626 pg vs0pgpegsvcont**Description**

PG Task: Pegasus sv control

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3627 pg vs0pgpegsvcsum**Description**

PG task last rcvd tlm: tlm checksum state vector 1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3628 pg vs0pgpegsvfun**Description**

PG Task: Pegasus sv function

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3629 pg vs0pgpegsvgpstm****Description**

PG Task: Pegasus sv gps time

Data Type

32 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3630 pg vs0pgpegsvlen****Description**

PG Task: Pegasus sv len

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)****E.3631 pg vs0pgpegsvpitch****Description**

PG task last rcvd tlm: pitch rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets**pg pegsvtlm (3816)**

E.3632 pg vs0pgpegsvq0**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3633 pg vs0pgpegsvq1**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3634 pg vs0pgpegsvq2**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3635 pg vs0pgpegsvq3**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3636 pg vs0pgpegsvroll**Description**

PG task last rcvd tlm: roll rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3637 pg vs0pgpegsvseq**Description**

PG Task: Pegasus sv sequence

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3638 pg vs0pgpegsvsourc**Description**

PG Task: Pegasus sv source

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3639 pg vs0pgpegsvsubfun**Description**

PG Task: Pegasus sv subfunction

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3640 pg vs0pgpegsvtrgt**Description**

PG Task: Pegasus sv target

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3641 pg vs0pgpegsvweek**Description**

PG Task: Pegasus sv week

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3642 pg vs0pgpegsvxpos**Description**

X position, feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3643 pg vs0pgpegsvxvel**Description**

X velocity, feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3644 pg vs0pgpegsvyaw**Description**

PG task last rcvd tlm: yaw rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3645 pg vs0pgpegsvypos**Description**

Y position, feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3646 pg vs0pgpegsvyvel**Description**

Y velocity, feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3647 pg vs0pgpegsvzpos**Description**

Z position, feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3648 pg vs0pgpegsvzvel**Description**

Z velocity, feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3649 pg vs1pgpegsvcont**Description**

PG Task: Pegasus sv control

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3650 pg vs1pgpegsvcsum**Description**

PG task last rcvd tlm: tlm checksum state vector 2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3651 pg vs1pgpegsvfun**Description**

PG Task: Pegasus sv function

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3652 pg vs1pgpegsvgpstm**Description**

PG task last rcvd tlm: seconds since 0000 hrs sunday

Data Type

32 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3653 pg vs1pgpegsvlen**Description**

PG Task: Pegasus sv len

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3654 pg vs1pgpegsvpitch**Description**

PG task last rcvd tlm: pitch rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3655 pg vs1pgpegsvq0**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3656 pg vs1pgpegsvq1**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3657 pg vs1pgpegsvq2**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3658 pg vs1pgpegsvq3**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3659 pg vs1pgpegsvroll**Description**

PG task last rcvd tlm: roll rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3660 pg vs1pgpegsvseq**Description**

PG Task: Pegasus sv sequence

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3661 pg vs1pgpegsvsorce**Description**

PG Task: Pegasus sv source

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3662 pg vs1pgpegsvsubfun**Description**

PG Task: Pegasus sv subfunction

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3663 pg vs1pgpegsvtrgt**Description**

PG Task: Pegasus sv target

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3664 pg vs1pgpegsvweek**Description**

PG Task: Pegasus sv week

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3665 pg vs1pgpegsvxpos**Description**

PG task last rcvd tlm: X position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3666 pg vs1pgpegsvxvel**Description**

PG task last rcvd tlm: X velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3667 pg vs1pgpegsvyaw**Description**

PG task last rcvd tlm: yaw rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3668 pg vs1pgpegsvypos**Description**

PG task last rcvd tlm: Y position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3669 pg vs1pgpegsvyvel**Description**

PG task last rcvd tlm: Y velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3670 pg vs1pgpegsvzpos**Description**

PG task last rcvd tlm: Z position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3671 pg vs1pgpegsvzvel**Description**

PG task last rcvd tlm: Z velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3672 pg vs2pgpegsvcont**Description**

PG Task: Pegasus sv control

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3673 pg vs2pgpegsvcsum**Description**

PG task last rcvd tlm: tlm checksum state vector 3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3674 pg vs2pgpegsvfn**Description**

PG Task: Pegasus sv function

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3675 pg vs2pgpegsvgpstm**Description**

PG task last rcvd tlm: seconds since 0000 hrs sunday

Data Type

32 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3676 pg vs2pgpegsvlen**Description**

PG Task: Pegasus sv len

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3677 pg vs2pgpegsvpitch**Description**

PG task last rcvd tlm: pitch rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3678 pg vs2pgpegsvq0**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3679 pg vs2pgpegsvq1**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3680 pg vs2pgpegsvq2**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3681 pg vs2pgpegsvq3**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3682 pg vs2pgpegsvroll**Description**

PG task last rcvd tlm: roll rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3683 pg vs2pgpegsvseq**Description**

PG Task: Pegasus sv sequence

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3684 pg vs2pgpegsvsourc**Description**

PG Task: Pegasus sv source

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3685 pg vs2pgpegsvsubfun**Description**

PG Task: Pegasus sv subfunction

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3686 pg vs2pgpegsvtrgt**Description**

PG Task: Pegasus sv target

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3687 pg vs2pgpegsvweek**Description**

PG Task: Pegasus sv week

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3688 pg vs2pgpegsvxpos**Description**

PG task last rcvd tlm: X position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3689 pg vs2pgpegsvxvel**Description**

PG task last rcvd tlm: X velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3690 pg vs2pgpegsvyaw**Description**

PG task last rcvd tlm: yaw rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3691 pg vs2pgpegsvypos**Description**

PG task last rcvd tlm: Y position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3692 pg vs2pgpegsvyvel**Description**

PG task last rcvd tlm: Y velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3693 pg vs2pgpegsvzpos**Description**

PG task last rcvd tlm: Z position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3694 pg vs2pgpegsvzvel**Description**

PG task last rcvd tlm: Z velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3695 pg vs3pgpegsvcont**Description**

PG Task: Pegasus sv control

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3696 pg vs3pgpegsvcsum**Description**

PG task last rcvd tlm: tlm checksum state vector 4

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3697 pg vs3pgpegsvfun**Description**

PG Task: Pegasus sv function

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3698 pg vs3pgpegsvgpstm**Description**

PG task last rcvd tlm: seconds since 0000 hrs sunday

Data Type

32 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3699 pg vs3pgpegsvlen**Description**

PG Task: Pegasus sv len

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3700 pg vs3pgpegsvpitch**Description**

PG task last rcvd tlm: pitch rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3701 pg vs3pgpegsvq0**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3702 pg vs3pgpegsvq1**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3703 pg vs3pgpegsvq2**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3704 pg vs3pgpegsvq3**Description**

PG task last rcvd tlm: quaternion

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3705 pg vs3pgpegsvroll**Description**

PG task last rcvd tlm: roll rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3706 pg vs3pgpegsvseq**Description**

PG Task: Pegasus sv sequence

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3707 pg vs3pgpegvsourse**Description**

PG Task: Pegasus sv source

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3708 pg vs3pgpegsvsubfun**Description**

PG Task: Pegasus sv subfunction

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3709 pg vs3pgpegsvtrgt**Description**

PG Task: Pegasus sv target

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3710 pg vs3pgpegsvweek**Description**

PG Task: Pegasus sv week

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3711 pg vs3pgpegsvxpos**Description**

PG task last rcvd tlm: X position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3712 pg vs3pgpegsvxvel**Description**

PG task last rcvd tlm: X velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3713 pg vs3pgpegsvyaw**Description**

PG task last rcvd tlm: yaw rate; radians/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3714 pg vs3pgpegsvypos**Description**

PG task last rcvd tlm: Y position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3715 pg vs3pgpegsvyvel**Description**

PG task last rcvd tlm: Y velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3716 pg vs3pgpegsvzpos**Description**

PG task last rcvd tlm: Z position; feet

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3717 pg vs3pgpegsvzvel**Description**

PG task last rcvd tlm: Z velocity; feet/second

Data Type

64 bits, float, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg pegsvtlm (3816)

E.3718 pg xbcipscritrcnt**Description**

Count of XB CIPS critical telemetry carrier packets received

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3719 pg xbcipstlmrcnt**Description**

Count of XB CIPS telemetry carrier packets received

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3720 pg xbsofiecritrcnt**Description**

Count of XB SOFIE critical telemetry carrier packets received

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3721 pg xbsofietlmrcnt**Description**

Count of XB SOFIE telemetry carrier packets received

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

PG

Telemetry Source Packets

pg hktlm (3814)

E.3722 pg xpnltmp**Description**

PG TLM TP Task: X Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtln (3819)

E.3723 pg xypnltmp**Description**

PG TLM TP Task: X Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

PG

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478007248603
c4	-6.27999980906679e-08
c5	1.65999991530441e-11
c6	-1.80999992927401e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

pg pegtlm (3819)

E.3724 sm copynum**Description**

SM Task: number of copies

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3725 sm copynum_170**Description**

SM Task: number of copies

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3726 sm dmpdta0****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3727 sm dmpdta1****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3728 sm dmpdta10****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3729 sm dmpdta11****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3730 sm dmpdta12****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)**E.3731 sm dmpdta13****Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets**sm mem_dmp** (3830)

E.3732 sm dmpdta14**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3733 sm dmpdta15**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3734 sm dmpdta16**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3735 sm dmpdta17**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3736 sm dmpdta18**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3737 sm dmpdta19**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3738 sm dmpdta2**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3739 sm dmpdta20**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3740 sm dmpdta21**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3741 sm dmpdta22**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3742 sm dmpdta23**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3743 sm dmpdta24**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3744 sm dmpdta25**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3745 sm dmpdta26**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3746 sm dmpdta27**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3747 sm dmpdta28**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3748 sm dmpdta29**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3749 sm dmpdta3**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3750 sm dmpdta30**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3751 sm dmpdta31**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3752 sm dmpdta32**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3753 sm dmpdta33**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3754 sm dmpdta34**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3755 sm dmpdta35**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3756 sm dmpdta36**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3757 sm dmpdta37**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3758 sm dmpdta38**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3759 sm dmpdta39**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3760 sm dmpdta4**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3761 sm dmpdta40**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3762 sm dmpdta41**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3763 sm dmpdta42**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3764 sm dmpdta43**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3765 sm dmpdta44**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3766 sm dmpdta45**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3767 sm dmpdta46**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3768 sm dmpdta47**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3769 sm dmpdta48**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3770 sm dmpdta49**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3771 sm dmpdta5**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3772 sm dmpdta50**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3773 sm dmpdta51**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3774 sm dmpdta52**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3775 sm dmpdta53**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3776 sm dmpdta54**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3777 sm dmpdta55**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3778 sm dmpdta56**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3779 sm dmpdta57**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3780 sm dmpdta58**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3781 sm dmpdta59**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3782 sm dmpdta6**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3783 sm dmpdta60**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3784 sm dmpdta61**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3785 sm dmpdta62**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3786 sm dmpdta63**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3787 sm dmpdta64**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3788 sm dmpdta65**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3789 sm dmpdta66**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3790 sm dmpdta67**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3791 sm dmpdta68**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3792 sm dmpdta69**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3793 sm dmpdta7**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3794 sm dmpdta70**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3795 sm dmpdta71**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3796 sm dmpdta72**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3797 sm dmpdta73**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3798 sm dmpdta74**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3799 sm dmpdta75**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3800 sm dmpdta76**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3801 sm dmpdta77**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3802 sm dmpdta78**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3803 sm dmpdta79**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3804 sm dmpdta8**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3805 sm dmpdta80**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3806 sm dmpdta81**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3807 sm dmpdta82**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3808 sm dmpdta83**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3809 sm dmpdta84**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3810 sm dmpdta85**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3811 sm dmpdta86**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3812 sm dmpdta87**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3813 sm dmpdta88**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3814 sm dmpdta89**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3815 sm dmpdta9**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3816 sm dmpdta90**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3817 sm dmpdta91**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3818 sm dmpdta92**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3819 sm dmpdta93**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3820 sm dmpdta94**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3821 sm dmpdta95**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3822 sm dmpdta96**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3823 sm dmpdta97**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3824 sm dmpdta98**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3825 sm dmpdta99**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3826 sm dtawrd0**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3827 sm dtawrd1**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3828 sm dtawrd10**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3829 sm dtawrd11**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3830 sm dtawrd12**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3831 sm dtawrd13**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3832 sm dtawrd14**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3833 sm dtawrd15**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3834 sm dtawrd16**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3835 sm dtawrd17**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3836 sm dtawrd18**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3837 sm dtawrd19**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3838 sm dtawrd2**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3839 sm dtawrd20**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3840 sm dtawrd21**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3841 sm dtawrd22**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3842 sm dtawrd23**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3843 sm dtawrd24**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3844 sm dtawrd25**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3845 sm dtawrd26**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3846 sm dtawrd27**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3847 sm dtawrd28**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3848 sm dtawrd29**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3849 sm dtawrd3**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3850 sm dtawrd30**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3851 sm dtawrd31**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3852 sm dtawrd32**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3853 sm dtawrd33**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3854 sm dtawrd34**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3855 sm dtawrd35**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3856 sm dtawrd36**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3857 sm dtawrd37**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3858 sm dtawrd38**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3859 sm dtawrd39**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3860 sm dtawrd4**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3861 sm dtawrd40**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3862 sm dtawrd41**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3863 sm dtawrd42**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3864 sm dtawrd43**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3865 sm dtawrd44**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3866 sm dtawrd45**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3867 sm dtawrd46**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3868 sm dtawrd47**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3869 sm dtawrd48**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3870 sm dtawrd49**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3871 sm dtawrd5**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3872 sm dtawrd50**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3873 sm dtawrd51**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3874 sm dtawrd52**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3875 sm dtawrd53**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3876 sm dtawrd54**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3877 sm dtawrd55**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3878 sm dtawrd56**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3879 sm dtawrd57**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3880 sm dtawrd58**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3881 sm dtawrd59**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3882 sm dtawrd6**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3883 sm dtawrd60**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3884 sm dtawrd61**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3885 sm dtawrd62**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3886 sm dtawrd63**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3887 sm dtawrd7**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3888 sm dtawrd8**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3889 sm dtawrd9**Description**

SM Task: Memory Dwell data word

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3890 sm firststmdwladr**Description**

SM Task: Memory Dwell data word addr of first test

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3891 sm frmemadr**Description**

SM Task: fr memory address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3892 sm hws**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3893 sm hws_170**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3894 sm hwss**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3895 sm hwss_170**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3896 sm lws**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3897 sm lws_170**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3898 sm lwss**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3899 sm lwss__170**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3900 sm mdwlhws**Description**

SM Task: Memory Dwell Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3901 sm mdwlhwss**Description**

SM Task: Memory Dwell Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3902 sm mdwllws**Description**

SM Task: Memory Dwell Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3903 sm mdwllwss**Description**

SM Task: Memory Dwell Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3904 sm mdwlpid**Description**

SM Task: Memory Dwell Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3905 sm mdwlp1**Description**

SM Task: Memory Dwell Packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3906 sm mdwlsct**Description**

SM Task: Memory Dwell Packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3907 sm mdwlsflg**Description**

SM Task: Memory Dwell Packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.3908 sm numwds**Description**

SM Task: number of words

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3909 sm numwds_170**Description**

SM Task: number of words

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3910 sm pid**Description**

SM Task:Table Dump packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3911 sm pid_170**Description**

SM Task:Table Dump packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3912 sm pl**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3913 sm pl_170**Description**

SM Task:Table Dump packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3914 sm procorid**Description**

SM Task: Memory Dump processor id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3915 sm sct**Description**

SM Task:Table Dump packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3916 sm sct_170**Description**

SM Task:Table Dump packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3917 sm sflg**Description**

SM Task:Table Dump packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3918 sm sflg_170**Description**

SM Task: Table Dump packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3919 sm sp2**Description****Data Type**

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3920 sm tbldmpdta100**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3921 sm tbldmpdta101**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3922 sm tbldmpdta102**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3923 sm tbldmpdta103**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3924 sm tbldmpdta104**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3925 sm tbldmpdta105**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3926 sm tbldmpdta106**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3927 sm tbldmpdta107**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3928 sm tbldmpdta108**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3929 sm tbldmpdta109**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3930 sm tbldmpdta110**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3931 sm tbldmpdta111**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3932 sm tbldmpdta112**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3933 sm tbldmpdta113**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3934 sm tbldmpdta114**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3935 sm tbldmpdta115**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3936 sm tbldmpdta116**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3937 sm tbldmpdta117**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3938 sm tbldmpdta118**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3939 sm tbldmpdta119**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3940 sm tbldmpdta120**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3941 sm tblid**Description**

SM Task: Table id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3942 sm tbloffset**Description**

SM Task: Table offset

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3943 sm tblsource**Description**

SM Task: Source of Table.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3944 sm tdmpdta0**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3945 sm tdmpdta1**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3946 sm tdmpdta10**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3947 sm tdmpdta100**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3948 sm tdmpdta101**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3949 sm tdmpdta102**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3950 sm tdmpdta103**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3951 sm tdmpdta104**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3952 sm tdmpdta105**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3953 sm tdmpdta106**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3954 sm tdmpdta107**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3955 sm tdmpdta108**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3956 sm tdmpdta109**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3957 sm tdmpdta11**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3958 sm tdmpdta110**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3959 sm tdmpdta111**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3960 sm tdmpdta112**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3961 sm tdmpdta113**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3962 sm tdmpdta114**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3963 sm tdmpdta115**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3964 sm tdmpdta116**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3965 sm tdmpdta117**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3966 sm tdmpdta118**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3967 sm tdmpdta119**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3968 sm tdmpdta12**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3969 sm tdmpdta120**Description**

SM Task: Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mem_dmp (3830)

E.3970 sm tdmpdta13**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3971 sm tdmpdta14**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3972 sm tdmpdta15**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3973 sm tdmpdta16**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3974 sm tdmpdta17**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3975 sm tdmpdta18**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3976 sm tdmpdta19**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3977 sm tdmpdta2**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3978 sm tdmpdta20**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3979 sm tdmpdta21**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3980 sm tdmpdta22**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3981 sm tdmpdta23**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3982 sm tdmpdta24**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3983 sm tdmpdta25**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3984 sm tdmpdta26**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3985 sm tdmpdta27**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3986 sm tdmpdta28**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3987 sm tdmpdta29**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3988 sm tdmpdta3**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3989 sm tdmpdta30**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3990 sm tdmpdta31**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3991 sm tdmpdta32**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3992 sm tdmpdta33**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3993 sm tdmpdta34**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3994 sm tdmpdta35**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3995 sm tdmpdta36**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3996 sm tdmpdta37**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3997 sm tdmpdta38**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3998 sm tdmpdta39**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.3999 sm tdmpdta4**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4000 sm tdmpdta40**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4001 sm tdmpdta41**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4002 sm tdmpdta42**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4003 sm tdmpdta43**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4004 sm tdmpdta44**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4005 sm tdmpdta45**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4006 sm tdmpdta46**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4007 sm tdmpdta47**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4008 sm tdmpdta48**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4009 sm tdmpdta49**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4010 sm tdmpdta5**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4011 sm tdmpdta50**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4012 sm tdmpdta51**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4013 sm tdmpdta52**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4014 sm tdmpdta53**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4015 sm tdmpdta54**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4016 sm tdmpdta55**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4017 sm tdmpdta56**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4018 sm tdmpdta57**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4019 sm tdmpdta58**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4020 sm tdmpdta59**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4021 sm tdmpdta6**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4022 sm tdmpdta60**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4023 sm tdmpdta61**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4024 sm tdmpdta62**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4025 sm tdmpdta63**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4026 sm tdmpdta64**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4027 sm tdmpdta65**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4028 sm tdmpdta66**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4029 sm tdmpdta67**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4030 sm tdmpdta68**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4031 sm tdmpdta69**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4032 sm tdmpdta7**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4033 sm tdmpdta70**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4034 sm tdmpdta71**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4035 sm tdmpdta72**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4036 sm tdmpdta73**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4037 sm tdmpdta74**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4038 sm tdmpdta75**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4039 sm tdmpdta76**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4040 sm tdmpdta77**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4041 sm tdmpdta78**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4042 sm tdmpdta79**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4043 sm tdmpdta8**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4044 sm tdmpdta80**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4045 sm tdmpdta81**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4046 sm tdmpdta82**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4047 sm tdmpdta83**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4048 sm tdmpdta84**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4049 sm tdmpdta85**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4050 sm tdmpdta86**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4051 sm tdmpdta87**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4052 sm tdmpdta88**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4053 sm tdmpdta89**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4054 sm tdmpdta9**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4055 sm tdmpdta90**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4056 sm tdmpdta91**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4057 sm tdmpdta92**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4058 sm tdmpdta93**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4059 sm tdmpdta94**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4060 sm tdmpdta95**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4061 sm tdmpdta96**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4062 sm tdmpdta97**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4063 sm tdmpdta98**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4064 sm tdmpdta99**Description**

SM Task: Table Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm tbl_dmp (3834)

E.4065 sm tenhzdelcnt**Description**

SM Task: Memory Dwell 10 hz delay count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SM

Telemetry Source Packets

sm mdwl_tlm (3828)

E.4066 su dmpdta0**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4067 su dmpdta1**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4068 su dmpdta10**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4069 su dmpdta100**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4070 su dmpdta101**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4071 su dmpdta102**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4072 su dmpdta103**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4073 su dmpdta104**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4074 su dmpdta105**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4075 su dmpdta106**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4076 su dmpdta107**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4077 su dmpdta108**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4078 su dmpdta109**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4079 su dmpdta11**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4080 su dmpdta110**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4081 su dmpdta111**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4082 su dmpdta112**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4083 su dmpdta113**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4084 su dmpdta114**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4085 su dmpdta115**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4086 su dmpdta116**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4087 su dmpdta117**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4088 su dmpdta118**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4089 su dmpdta119**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4090 su dmpdta12**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4091 su dmpdta120**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4092 su dmpdta121**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4093 su dmpdta122**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4094 su dmpdta123**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4095 su dmpdta124**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4096 su dmpdta125**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4097 su dmpdta126**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4098 su dmpdta127**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4099 su dmpdta128**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4100 su dmpdta129**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4101 su dmpdta13**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4102 su dmpdta130**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4103 su dmpdta131**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4104 su dmpdta132**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4105 su dmpdta133**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4106 su dmpdta134**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4107 su dmpdta135**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4108 su dmpdta136**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4109 su dmpdta137**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4110 su dmpdta138**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4111 su dmpdta139**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4112 su dmpdta14**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4113 su dmpdta140**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4114 su dmpdta141**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4115 su dmpdta142**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4116 su dmpdta143**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4117 su dmpdta144**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4118 su dmpdta145**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4119 su dmpdta146**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4120 su dmpdta147**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4121 su dmpdta148**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4122 su dmpdta149**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4123 su dmpdta15**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4124 su dmpdta150**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4125 su dmpdta151**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4126 su dmpdta152**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4127 su dmpdta153**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4128 su dmpdta154**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4129 su dmpdta155**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4130 su dmpdta156**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4131 su dmpdta157**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4132 su dmpdta158**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4133 su dmpdta159**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4134 su dmpdta16**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4135 su dmpdta160**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4136 su dmpdta161**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4137 su dmpdta162**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4138 su dmpdta163**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4139 su dmpdta164**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4140 su dmpdta165**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4141 su dmpdta166**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4142 su dmpdta167**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4143 su dmpdta168**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4144 su dmpdta169**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4145 su dmpdta17**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4146 su dmpdta170**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4147 su dmpdta171**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4148 su dmpdta172**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4149 su dmpdta173**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4150 su dmpdta174**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4151 su dmpdta175**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4152 su dmpdta176**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4153 su dmpdta177**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4154 su dmpdta178**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4155 su dmpdta179**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4156 su dmpdta18**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4157 su dmpdta180**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4158 su dmpdta181**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4159 su dmpdta182**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4160 su dmpdta183**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4161 su dmpdta184**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4162 su dmpdta185**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4163 su dmpdta186**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4164 su dmpdta187**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4165 su dmpdta188**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4166 su dmpdta189**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4167 su dmpdta19**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4168 su dmpdta190**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4169 su dmpdta191**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4170 su dmpdta192**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4171 su dmpdta193**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4172 su dmpdta194**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4173 su dmpdta195**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4174 su dmpdta196**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4175 su dmpdta197**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4176 su dmpdta198**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4177 su dmpdta199**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4178 su dmpdta2**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4179 su dmpdta20**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4180 su dmpdta200**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4181 su dmpdta201**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4182 su dmpdta202**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4183 su dmpdta203**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4184 su dmpdta204**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4185 su dmpdta205**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4186 su dmpdta206**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4187 su dmpdta207**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4188 su dmpdta208**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4189 su dmpdta209**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4190 su dmpdta21**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4191 su dmpdta210**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4192 su dmpdta211**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4193 su dmpdta212**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4194 su dmpdta213**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4195 su dmpdta214**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4196 su dmpdta215**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4197 su dmpdta216**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4198 su dmpdta217**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4199 su dmpdta218**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4200 su dmpdta219**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4201 su dmpdta22**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4202 su dmpdta220**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4203 su dmpdta221**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4204 su dmpdta222**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4205 su dmpdta223**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4206 su dmpdta224**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4207 su dmpdta225**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4208 su dmpdta226**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4209 su dmpdta227**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4210 su dmpdta228**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4211 su dmpdta229**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4212 su dmpdta23**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4213 su dmpdta230**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4214 su dmpdta231**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4215 su dmpdta232**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4216 su dmpdta233**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4217 su dmpdta234**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4218 su dmpdta235**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4219 su dmpdta236**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4220 su dmpdta237**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4221 su dmpdta238**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4222 su dmpdta239**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4223 su dmpdta24**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4224 su dmpdta240**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4225 su dmpdta241**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4226 su dmpdta242**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4227 su dmpdta243**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4228 su dmpdta244**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4229 su dmpdta245**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4230 su dmpdta246**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4231 su dmpdta247**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4232 su dmpdta248**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4233 su dmpdta249**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4234 su dmpdta25**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4235 su dmpdta250**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4236 su dmpdta251**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4237 su dmpdta252**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4238 su dmpdta253**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4239 su dmpdta254**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4240 su dmpdta255**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4241 su dmpdta256**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4242 su dmpdta257**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4243 su dmpdta258**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4244 su dmpdta259**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4245 su dmpdta26**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4246 su dmpdta260**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4247 su dmpdta261**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4248 su dmpdta262**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4249 su dmpdta263**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4250 su dmpdta264**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4251 su dmpdta265**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4252 su dmpdta266**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4253 su dmpdta267**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4254 su dmpdta268**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4255 su dmpdta269**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4256 su dmpdta27**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4257 su dmpdta270**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4258 su dmpdta271**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4259 su dmpdta272**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4260 su dmpdta273**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4261 su dmpdta274**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4262 su dmpdta275**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4263 su dmpdta276**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4264 su dmpdta277**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4265 su dmpdta278**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4266 su dmpdta279**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4267 su dmpdta28**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4268 su dmpdta280**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4269 su dmpdta281**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4270 su dmpdta282**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4271 su dmpdta283**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4272 su dmpdta284**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4273 su dmpdta285**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4274 su dmpdta286**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4275 su dmpdta287**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4276 su dmpdta288**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4277 su dmpdta289**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4278 su dmpdta29**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4279 su dmpdta290**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4280 su dmpdta291**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4281 su dmpdta292**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4282 su dmpdta293**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4283 su dmpdta294**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4284 su dmpdta295**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4285 su dmpdta296**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4286 su dmpdta297**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4287 su dmpdta298**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4288 su dmpdta299**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4289 su dmpdta3**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4290 su dmpdta30**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4291 su dmpdta300**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4292 su dmpdta301**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4293 su dmpdta302**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4294 su dmpdta303**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4295 su dmpdta304**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4296 su dmpdta305**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4297 su dmpdta306**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4298 su dmpdta307**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4299 su dmpdta308**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4300 su dmpdta309**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4301 su dmpdta31**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4302 su dmpdta310**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4303 su dmpdta311**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4304 su dmpdta312**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4305 su dmpdta313**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4306 su dmpdta314**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4307 su dmpdta315**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4308 su dmpdta316**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4309 su dmpdta317**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4310 su dmpdta318**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4311 su dmpdta319**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4312 su dmpdta32**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4313 su dmpdta320**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4314 su dmpdta321**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4315 su dmpdta322**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4316 su dmpdta323**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4317 su dmpdta324**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4318 su dmpdta325**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4319 su dmpdta326**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4320 su dmpdta327**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4321 su dmpdta328**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4322 su dmpdta329**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4323 su dmpdta33**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4324 su dmpdta330**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4325 su dmpdta331**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4326 su dmpdta332**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4327 su dmpdta333**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4328 su dmpdta334**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4329 su dmpdta335**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4330 su dmpdta336**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4331 su dmpdta337**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4332 su dmpdta338**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4333 su dmpdta339**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4334 su dmpdta34**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4335 su dmpdta340**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4336 su dmpdta341**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4337 su dmpdta342**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4338 su dmpdta343**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4339 su dmpdta344**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4340 su dmpdta345**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4341 su dmpdta346**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4342 su dmpdta347**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4343 su dmpdta348**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4344 su dmpdta349**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4345 su dmpdta35**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4346 su dmpdta350**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4347 su dmpdta351**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4348 su dmpdta352**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4349 su dmpdta353**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4350 su dmpdta354**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4351 su dmpdta355**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4352 su dmpdta356**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4353 su dmpdta357**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4354 su dmpdta358**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4355 su dmpdta359**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4356 su dmpdta36**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4357 su dmpdta360**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4358 su dmpdta361**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4359 su dmpdta362**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4360 su dmpdta363**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4361 su dmpdta364**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4362 su dmpdta365**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4363 su dmpdta366**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4364 su dmpdta367**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4365 su dmpdta368**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4366 su dmpdta369**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4367 su dmpdta37**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4368 su dmpdta370**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4369 su dmpdta371**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4370 su dmpdta372**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4371 su dmpdta373**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4372 su dmpdta374**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4373 su dmpdta375**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4374 su dmpdta376**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4375 su dmpdta377**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4376 su dmpdta378**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4377 su dmpdta379**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4378 su dmpdta38**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4379 su dmpdta380**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4380 su dmpdta381**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4381 su dmpdta382**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4382 su dmpdta383**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4383 su dmpdta384**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4384 su dmpdta385**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4385 su dmpdta386**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4386 su dmpdta387**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4387 su dmpdta388**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4388 su dmpdta389**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4389 su dmpdta39**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4390 su dmpdta390**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4391 su dmpdta391**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4392 su dmpdta392**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4393 su dmpdta393**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4394 su dmpdta394**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4395 su dmpdta395**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4396 su dmpdta396**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4397 su dmpdta397**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4398 su dmpdta398**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4399 su dmpdta399**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4400 su dmpdta4**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4401 su dmpdta40**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4402 su dmpdta400**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4403 su dmpdta401**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4404 su dmpdta402**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4405 su dmpdta403**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4406 su dmpdta404**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4407 su dmpdta405**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4408 su dmpdta406**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4409 su dmpdta407**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4410 su dmpdta408**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4411 su dmpdta409**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4412 su dmpdta41**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4413 su dmpdta410**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4414 su dmpdta411**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4415 su dmpdta412**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4416 su dmpdta413**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4417 su dmpdta414**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4418 su dmpdta415**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4419 su dmpdta416**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4420 su dmpdta417**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4421 su dmpdta418**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4422 su dmpdta419**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4423 su dmpdta42**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4424 su dmpdta420**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4425 su dmpdta421**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4426 su dmpdta422**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4427 su dmpdta423**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4428 su dmpdta424**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4429 su dmpdta425**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4430 su dmpdta426**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4431 su dmpdta427**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4432 su dmpdta428**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4433 su dmpdta429**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4434 su dmpdta43**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4435 su dmpdta430**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4436 su dmpdta431**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4437 su dmpdta432**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4438 su dmpdta433**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4439 su dmpdta434**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4440 su dmpdta435**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4441 su dmpdta436**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4442 su dmpdta437**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4443 su dmpdta438**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4444 su dmpdta439**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4445 su dmpdta44**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4446 su dmpdta440**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4447 su dmpdta441**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4448 su dmpdta442**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4449 su dmpdta443**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4450 su dmpdta444**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4451 su dmpdta445**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4452 su dmpdta446**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4453 su dmpdta447**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4454 su dmpdta448**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4455 su dmpdta449**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4456 su dmpdta45**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4457 su dmpdta450**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4458 su dmpdta451**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4459 su dmpdta452**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4460 su dmpdta453**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4461 su dmpdta454**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4462 su dmpdta455**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4463 su dmpdta456**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4464 su dmpdta457**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4465 su dmpdta458**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4466 su dmpdta459**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4467 su dmpdta46**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4468 su dmpdta460**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4469 su dmpdta461**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4470 su dmpdta462**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4471 su dmpdta463**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4472 su dmpdta464**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4473 su dmpdta465**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4474 su dmpdta466**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4475 su dmpdta467**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4476 su dmpdta468**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4477 su dmpdta469**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4478 su dmpdta47**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4479 su dmpdta470**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4480 su dmpdta471**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4481 su dmpdta472**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4482 su dmpdta473**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4483 su dmpdta474**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4484 su dmpdta475**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4485 su dmpdta476**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4486 su dmpdta477**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4487 su dmpdta478**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4488 su dmpdta479**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4489 su dmpdta48**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4490 su dmpdta480**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4491 su dmpdta481**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4492 su dmpdta482**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4493 su dmpdta483**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4494 su dmpdta484**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4495 su dmpdta485**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4496 su dmpdta486**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4497 su dmpdta487**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4498 su dmpdta488**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4499 su dmpdta489**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4500 su dmpdta49**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4501 su dmpdta490**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4502 su dmpdta491**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4503 su dmpdta492**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4504 su dmpdta493**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4505 su dmpdta494**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4506 su dmpdta495**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4507 su dmpdta496**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4508 su dmpdta497**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4509 su dmpdta498**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4510 su dmpdta499**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4511 su dmpdta5**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4512 su dmpdta50**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4513 su dmpdta500**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4514 su dmpdta501**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4515 su dmpdta502**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4516 su dmpdta503**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4517 su dmpdta504**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4518 su dmpdta505**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4519 su dmpdta506**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4520 su dmpdta507**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4521 su dmpdta508**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4522 su dmpdta509**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4523 su dmpdta51**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4524 su dmpdta510**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4525 su dmpdta511**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4526 su dmpdta52**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4527 su dmpdta53**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4528 su dmpdta54**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4529 su dmpdta55**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4530 su dmpdta56**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4531 su dmpdta57**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4532 su dmpdta58**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4533 su dmpdta59**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4534 su dmpdta6**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4535 su dmpdta60**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4536 su dmpdta61**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4537 su dmpdta62**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4538 su dmpdta63**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4539 su dmpdta64**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4540 su dmpdta65**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4541 su dmpdta66**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4542 su dmpdta67**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4543 su dmpdta68**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4544 su dmpdta69**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4545 su dmpdta7**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4546 su dmpdta70**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4547 su dmpdta71**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4548 su dmpdta72**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4549 su dmpdta73**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4550 su dmpdta74**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4551 su dmpdta75**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4552 su dmpdta76**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4553 su dmpdta77**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4554 su dmpdta78**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4555 su dmpdta79**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4556 su dmpdta8**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4557 su dmpdta80**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4558 su dmpdta81**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4559 su dmpdta82**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4560 su dmpdta83**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4561 su dmpdta84**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4562 su dmpdta85**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4563 su dmpdta86**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4564 su dmpdta87**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4565 su dmpdta88**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4566 su dmpdta89**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4567 su dmpdta9**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4568 su dmpdta90**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4569 su dmpdta91**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4570 su dmpdta92**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4571 su dmpdta93**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4572 su dmpdta94**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4573 su dmpdta95**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4574 su dmpdta96**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4575 su dmpdta97**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4576 su dmpdta98**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4577 su dmpdta99**Description**

SU Task: SUROM Memory Dump contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4578 su lstcrc**Description**

SU Task: SUROM last CRC

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4579 su lstcrcadr**Description**

SU Task: SUROM last CRC address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4580 su lstcrcbytecnt**Description**

SU Task: SUROM last CRC byte count

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4581 su romdmptypehws**Description**

SU Task: SUROM Memory dump packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4582 su romdmptypehwss**Description**

SU Task: SUROM Memory dump packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4583 su romdmptypelws**Description**

SU Task: SUROM Memory dump packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4584 su romdmptypelwss**Description**

SU Task: SUROM Memory dump packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4585 su romdmtypepid**Description**

SU Task: SUROM Memory dump packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4586 su romdmtypepepl**Description**

SU Task: SUROM Memory dump packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4587 su romdmptypesct**Description**

SU Task: SUROM Memory dump packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4588 su romdmptypesflg**Description**

SU Task: SUROM Memory dump packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omdmp (3838)

E.4589 su rromambipids**Description**

AMBI Discretes

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4590 su rromambistat**Description**

AMBI Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4591 su rrombootcnt**Description**

Time OBC has booted (includes Hot and Warm)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4592 su rromccw**Description**

Current CCW (from ULC)

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4593 su rromchkerrcnt1**Description**

Failsum bank errors in boot image #1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4594 su rromchkerrcnt2**Description**

Failsum bank errors in boot im

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4595 su rromchkerrcnt3**Description**

Failsum bank errors in boot image #3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4596 su rromcmdaccnt**Description**

Count of 'Command Ready' IRQ's from ULC

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4597 su rromcmdffapid0**Description**

Last command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4598 su rromcmdffapid1**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4599 su rromcmdffapid2**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4600 su rromcmdffapid3**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4601 su rromcmdffapid4**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4602 su rromcmdffapid5**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4603 su rromcmdffapid6**Description**

Previous command App Id

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4604 su rromcmdffapid7**Description**

SU Task: SUROM command fifo APID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4605 su rromcmdfffcn0**Description**

Last command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4606 su rromcmdfffcn1**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4607 su rromcmdfffcn2**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4608 su rromcmdfffcn3**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4609 su rromcmdfffcn4**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4610 su rromcmdfffcn5**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4611 su rromcmdfffcn6**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4612 su rromcmdfffcn7**Description**

Previous command function code

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4613 su rromcmdrjct**Description**

Commands Rejected count from ULC

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4614 su rromcsw**Description**

Current CSW

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4615 su rromear**Description**

External Error Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4616 su rromesr**Description**

External DMA Error Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4617 su rromeim0**Description**

External Interrupt Mask (Upper)

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4618 su rromeim1**Description**

External Interrupt Mask (Lower)

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4619 su rromeir**Description**

Interrupt Enable Register

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4620 su rromeis0**Description**

External Interrupt Summary (Upper)

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4621 su rromeis1**Description**

External Interrupt Summary (Lower)

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4622 su rromhsshealth1**Description**

TBD HSS #1 Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4623 su rromhsshealth2**Description**

TBD HSS #2 Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4624 su rromhsshealth3**Description**

TBD HSS #3 Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4625 su rromhsshealth4**Description**

SU Task: SUROM HSS Health status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4626 su rromhssirqst1**Description**

HSS #1 IRQ Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4627 su rromhssirqst2**Description**

HSS #2 IRQ Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4628 su rromhssirqst3**Description**

HSS #3 IRQ Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4629 su rromhssirqst4**Description**

HSS #4 IRQ Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4630 su rromhsspids**Description**

HSS Discretes

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4631 su rromhws**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4632 su rromhwss**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4633 su rromirr**Description**

Interrupt Request Register

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4634 su rromliobrerrst**Description**

LIO Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4635 su rromliopids**Description**

LIO Discretes

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4636 su rromliostat**Description**

ASCM LIO Configuration Word

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4637 su rromlstpeekedadr**Description**

Address of last peek

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4638 su rromlws**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4639 su rromlwss**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4640 su rrommear**Description**

Machine Fail Error Address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4641 su rrommesr**Description**

Machine Fail Error Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4642 su rrommir**Description**

Misc. Interrupt Register

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4643 su rromobcst**Description**

TBD Bit-Field describing the OBC State

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4644 su rrompascmdrsp**Description**

PAS Command Response

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4645 su rrompassubassy**Description**

PAS Subassembly Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4646 su rrompcistat**Description**

PCI Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4647 su rrompeekrsp**Description**

Peek response

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4648 su rrompid**Description**

SU Task: SUROM Housekeeping Telemetry Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4649 su rrompl**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4650 su rromsbar**Description**

Single Bit Error Address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4651 su rromsbsr**Description**

Single Bit Error Status

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4652 su rromsct**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4653 su rromsflg**Description**

SU Task: SUROM Housekeeping Telemetry Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4654 su rromsp0hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4655 su rromsp1hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4656 su rromsp2hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4657 su rromsp3hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4658 su rromsp4hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4659 su rromsp5hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4660 su rromsp6hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4661 su rromsp7hk**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4662 su rromulcirqcnt**Description**

Validated command count from ULC

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4663 su wrdsp**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SU

Telemetry Source Packets

su omhk (3850)

E.4664 sx hws**Description**

SX Task: Super Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4665 sx hwss**Description**

SX Task: Super Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4666 sx lws**Description**

SX Task: Super Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4667 sx lwss**Description**

SX Task: Super Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4668 sx pid**Description**

SX Task: Super Packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4669 sx pl**Description**

SX Task: Super Packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.4670 sx s1mddta0**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4671 sx s1mddta1**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4672 sx s1mddta10**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4673 sx s1mddta100**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4674 sx s1mddta101**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4675 sx s1mddta102**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4676 sx s1mddta103**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4677 sx s1mddta104**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4678 sx s1mddta105**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4679 sx s1mddta106**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4680 sx s1mddta107**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4681 sx s1mddta108**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4682 sx s1mddta109**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4683 sx s1mddta11**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4684 sx s1mddta110**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4685 sx s1mddta111**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4686 sx s1mddta112**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4687 sx s1mddta113**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4688 sx s1mddta114**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4689 sx s1mddta115**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4690 sx s1mddta116**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4691 sx s1mddta117**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4692 sx s1mddta118**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4693 sx s1mddta119**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4694 sx s1mddta12**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4695 sx s1mddta120**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4696 sx s1mddta121**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4697 sx s1mddta122**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4698 sx s1mddta123**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4699 sx s1mddta124**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4700 sx s1mddta125**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4701 sx s1mddta126**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4702 sx s1mddta127**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4703 sx s1mddta128**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4704 sx s1mddta129**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4705 sx s1mddta13**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4706 sx s1mddta130**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4707 sx s1mddta131**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4708 sx s1mddta132**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4709 sx s1mddta133**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4710 sx s1mddta134**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4711 sx s1mddta135**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4712 sx s1mddta136**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4713 sx s1mddta137**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4714 sx s1mddta138**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4715 sx s1mddta139**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4716 sx s1mddta14**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4717 sx s1mddta140**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4718 sx s1mddta141**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4719 sx s1mddta142**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4720 sx s1mddta143**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4721 sx s1mddta144**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4722 sx s1mddta145**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4723 sx s1mddta146**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4724 sx s1mddta147**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4725 sx s1mddta148**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4726 sx s1mddta149**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4727 sx s1mddta15**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4728 sx s1mddta150**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4729 sx s1mddta151**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4730 sx s1mddta152**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4731 sx s1mddta153**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4732 sx s1mddta154**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4733 sx s1mddta155**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4734 sx s1mddta156**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4735 sx s1mddta157**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4736 sx s1mddta158**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4737 sx s1mddta159**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4738 sx s1mddta16**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4739 sx s1mddta160**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4740 sx s1mddta161**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4741 sx s1mddta162**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4742 sx s1mddta163**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4743 sx s1mddta164**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4744 sx s1mddta165**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4745 sx s1mddta166**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4746 sx s1mddta167**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4747 sx s1mddta168**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4748 sx s1mddta169**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4749 sx s1mddta17**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4750 sx s1mddta170**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4751 sx s1mddta171**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4752 sx s1mddta172**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4753 sx s1mddta173**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4754 sx s1mddta174**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4755 sx s1mddta175**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4756 sx s1mddta176**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4757 sx s1mddta177**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4758 sx s1mddta178**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4759 sx s1mddta179**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4760 sx s1mddta18**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4761 sx s1mddta180**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4762 sx s1mddta181**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4763 sx s1mddta182**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4764 sx s1mddta183**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4765 sx s1mddta184**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4766 sx s1mddta185**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4767 sx s1mddta186**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4768 sx s1mddta187**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4769 sx s1mddta188**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4770 sx s1mddta189**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4771 sx s1mddta19**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4772 sx s1mddta190**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4773 sx s1mddta191**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4774 sx s1mddta192**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4775 sx s1mddta193**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4776 sx s1mddta194**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4777 sx s1mddta195**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4778 sx s1mddta196**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4779 sx s1mddta197**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4780 sx s1mddta198**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4781 sx s1mddta199**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4782 sx s1mddta2**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4783 sx s1mddta20**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4784 sx s1mddta200**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4785 sx s1mddta201**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4786 sx s1mddta202**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4787 sx s1mddta203**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4788 sx s1mddta204**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4789 sx s1mddta205**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4790 sx s1mddta206**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4791 sx s1mddta207**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4792 sx s1mddta208**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4793 sx s1mddta209**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4794 sx s1mddta21**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4795 sx s1mddta210**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4796 sx s1mddta211**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4797 sx s1mddta212**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4798 sx s1mddta213**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4799 sx s1mddta214**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4800 sx s1mddta215**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4801 sx s1mddta216**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4802 sx s1mddta217**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4803 sx s1mddta218**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4804 sx s1mddta219**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4805 sx s1mddta22**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4806 sx s1mddta220**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4807 sx s1mddta221**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4808 sx s1mddta222**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4809 sx s1mddta223**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4810 sx s1mddta224**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4811 sx s1mddta225**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4812 sx s1mddta226**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4813 sx s1mddta227**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4814 sx s1mddta228**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4815 sx s1mddta229**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4816 sx s1mddta23**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4817 sx s1mddta230**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4818 sx s1mddta231**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4819 sx s1mddta232**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4820 sx s1mddta233**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4821 sx s1mddta234**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4822 sx s1mddta235**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4823 sx s1mddta236**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4824 sx s1mddta237**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4825 sx s1mddta238**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4826 sx s1mddta239**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4827 sx s1mddta24**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4828 sx s1mddta240**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4829 sx s1mddta241**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4830 sx s1mddta242**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4831 sx s1mddta243**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4832 sx s1mddta244**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4833 sx s1mddta245**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4834 sx s1mddta246**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4835 sx s1mddta247**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4836 sx s1mddta248**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4837 sx s1mddta249**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4838 sx s1mddta25**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4839 sx s1mddta250**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4840 sx s1mddta251**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4841 sx s1mddta252**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4842 sx s1mddta253**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4843 sx s1mddta254**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4844 sx s1mddta255**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4845 sx s1mddta256**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4846 sx s1mddta257**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4847 sx s1mddta258**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4848 sx s1mddta259**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4849 sx s1mddta26**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4850 sx s1mddta260**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4851 sx s1mddta261**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4852 sx s1mddta262**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4853 sx s1mddta263**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4854 sx s1mddta264**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4855 sx s1mddta265**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4856 sx s1mddta266**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4857 sx s1mddta267**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4858 sx s1mddta268**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4859 sx s1mddta269**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4860 sx s1mddta27**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4861 sx s1mddta270**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4862 sx s1mddta271**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4863 sx s1mddta272**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4864 sx s1mddta273**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4865 sx s1mddta274**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4866 sx s1mddta275**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4867 sx s1mddta276**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4868 sx s1mddta277**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4869 sx s1mddta278**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4870 sx s1mddta279**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4871 sx s1mddta28**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4872 sx s1mddta280**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4873 sx s1mddta281**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4874 sx s1mddta282**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4875 sx s1mddta283**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4876 sx s1mddta284**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4877 sx s1mddta285**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4878 sx s1mddta286**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4879 sx s1mddta287**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4880 sx s1mddta288**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4881 sx s1mddta289**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4882 sx s1mddta29**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4883 sx s1mddta290**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4884 sx s1mddta291**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4885 sx s1mddta292**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4886 sx s1mddta293**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4887 sx s1mddta294**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4888 sx s1mddta295**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4889 sx s1mddta296**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4890 sx s1mddta297**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4891 sx s1mddta298**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4892 sx s1mddta299**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4893 sx s1mddta3**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4894 sx s1mddta30**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4895 sx s1mddta300**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4896 sx s1mddta301**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4897 sx s1mddta302**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4898 sx s1mddta303**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4899 sx s1mddta304**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4900 sx s1mddta305**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4901 sx s1mddta306**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4902 sx s1mddta307**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4903 sx s1mddta308**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4904 sx s1mddta309**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4905 sx s1mddta31**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4906 sx s1mddta310**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4907 sx s1mddta311**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4908 sx s1mddta312**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4909 sx s1mddta313**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4910 sx s1mddta314**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4911 sx s1mddta315**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4912 sx s1mddta316**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4913 sx s1mddta317**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4914 sx s1mddta318**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4915 sx s1mddta319**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4916 sx s1mddta32**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4917 sx s1mddta320**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4918 sx s1mddta321**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4919 sx s1mddta322**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4920 sx s1mddta323**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4921 sx s1mddta324**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4922 sx s1mddta325**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4923 sx s1mddta326**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4924 sx s1mddta327**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4925 sx s1mddta328**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4926 sx s1mddta329**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4927 sx s1mddta33**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4928 sx s1mddta330**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4929 sx s1mddta331**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4930 sx s1mddta332**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4931 sx s1mddta333**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4932 sx s1mddta334**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4933 sx s1mddta335**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4934 sx s1mddta336**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4935 sx s1mddta337**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4936 sx s1mddta338**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4937 sx s1mddta339**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4938 sx s1mddta34**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4939 sx s1mddta340**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4940 sx s1mddta341**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4941 sx s1mddta342**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4942 sx s1mddta343**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4943 sx s1mddta344**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4944 sx s1mddta345**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4945 sx s1mddta346**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4946 sx s1mddta347**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4947 sx s1mddta348**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4948 sx s1mddta349**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4949 sx s1mddta35**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4950 sx s1mddta350**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4951 sx s1mddta351**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4952 sx s1mddta352**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4953 sx s1mddta353**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4954 sx s1mddta354**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4955 sx s1mddta355**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4956 sx s1mddta356**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4957 sx s1mddta357**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4958 sx s1mddta358**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4959 sx s1mddta359**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4960 sx s1mddta36**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4961 sx s1mddta360**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4962 sx s1mddta361**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4963 sx s1mddta362**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4964 sx s1mddta363**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4965 sx s1mddta364**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4966 sx s1mddta365**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4967 sx s1mddta366**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4968 sx s1mddta367**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4969 sx s1mddta368**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4970 sx s1mddta369**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4971 sx s1mddta37**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4972 sx s1mddta370**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4973 sx s1mddta371**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4974 sx s1mddta372**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4975 sx s1mddta373**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4976 sx s1mddta374**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4977 sx s1mddta375**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4978 sx s1mddta376**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4979 sx s1mddta377**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4980 sx s1mddta378**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4981 sx s1mddta379**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4982 sx s1mddta38**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4983 sx s1mddta380**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4984 sx s1mddta381**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4985 sx s1mddta382**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4986 sx s1mddta383**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4987 sx s1mddta384**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4988 sx s1mddta385**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4989 sx s1mddta386**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4990 sx s1mddta387**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4991 sx s1mddta388**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4992 sx s1mddta389**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4993 sx s1mddta39**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4994 sx s1mddta390**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4995 sx s1mddta391**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4996 sx s1mddta392**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4997 sx s1mddta393**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4998 sx s1mddta394**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.4999 sx s1mddta395**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5000 sx s1mddta396**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5001 sx s1mddta397**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5002 sx s1mddta398**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5003 sx s1mddta399**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5004 sx s1mddta4**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5005 sx s1mddta40**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5006 sx s1mddta400**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5007 sx s1mddta401**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5008 sx s1mddta402**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5009 sx s1mddta403**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5010 sx s1mddta404**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5011 sx s1mddta405**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5012 sx s1mddta406**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5013 sx s1mddta407**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5014 sx s1mddta408**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5015 sx s1mddta409**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5016 sx s1mddta41**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5017 sx s1mddta410**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5018 sx s1mddta411**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5019 sx s1mddta412**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5020 sx s1mddta413**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5021 sx s1mddta414**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5022 sx s1mddta415**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5023 sx s1mddta416**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5024 sx s1mddta417**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5025 sx s1mddta418**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5026 sx s1mddta419**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5027 sx s1mddta42**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5028 sx s1mddta420**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5029 sx s1mddta421**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5030 sx s1mddta422**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5031 sx s1mddta423**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5032 sx s1mddta424**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5033 sx s1mddta425**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5034 sx s1mddta426**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5035 sx s1mddta427**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5036 sx s1mddta428**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5037 sx s1mddta429**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5038 sx s1mddta43**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5039 sx s1mddta430**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5040 sx s1mddta431**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5041 sx s1mddta432**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5042 sx s1mddta433**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5043 sx s1mddta434**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5044 sx s1mddta435**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5045 sx s1mddta436**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5046 sx s1mddta437**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5047 sx s1mddta438**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5048 sx s1mddta439**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5049 sx s1mddta44**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5050 sx s1mddta440**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5051 sx s1mddta441**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5052 sx s1mddta442**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5053 sx s1mddta443**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5054 sx s1mddta444**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5055 sx s1mddta445**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5056 sx s1mddta446**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5057 sx s1mddta447**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5058 sx s1mddta448**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5059 sx s1mddta449**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5060 sx s1mddta45**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5061 sx s1mddta450**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5062 sx s1mddta451**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5063 sx s1mddta452**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5064 sx s1mddta453**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5065 sx s1mddta454**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5066 sx s1mddta455**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5067 sx s1mddta456**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5068 sx s1mddta457**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5069 sx s1mddta458**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5070 sx s1mddta459**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5071 sx s1mddta46**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5072 sx s1mddta460**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5073 sx s1mddta461**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5074 sx s1mddta462**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5075 sx s1mddta463**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5076 sx s1mddta464**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5077 sx s1mddta465**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5078 sx s1mddta466**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5079 sx s1mddta467**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5080 sx s1mddta468**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5081 sx s1mddta469**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5082 sx s1mddta47**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5083 sx s1mddta470**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5084 sx s1mddta471**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5085 sx s1mddta472**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5086 sx s1mddta473**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5087 sx s1mddta48**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5088 sx s1mddta49**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5089 sx s1mddta5**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5090 sx s1mddta50**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5091 sx s1mddta51**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5092 sx s1mddta52**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5093 sx s1mddta53**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5094 sx s1mddta54**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5095 sx s1mddta55**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5096 sx s1mddta56**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5097 sx s1mddta57**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5098 sx s1mddta58**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5099 sx s1mddta59**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5100 sx s1mddta6**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5101 sx s1mddta60**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5102 sx s1mddta61**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5103 sx s1mddta62**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5104 sx s1mddta63**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5105 sx s1mddta64**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5106 sx s1mddta65**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5107 sx s1mddta66**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5108 sx s1mddta67**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5109 sx s1mddta68**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5110 sx s1mddta69**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5111 sx s1mddta7**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5112 sx s1mddta70**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5113 sx s1mddta71**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5114 sx s1mddta72**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5115 sx s1mddta73**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5116 sx s1mddta74**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5117 sx s1mddta75**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5118 sx s1mddta76**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5119 sx s1mddta77**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5120 sx s1mddta78**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5121 sx s1mddta79**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5122 sx s1mddta8**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5123 sx s1mddta80**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5124 sx s1mddta81**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5125 sx s1mddta82**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5126 sx s1mddta83**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5127 sx s1mddta84**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5128 sx s1mddta85**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5129 sx s1mddta86**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5130 sx s1mddta87**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5131 sx s1mddta88**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5132 sx s1mddta89**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5133 sx s1mddta9**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5134 sx s1mddta90**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5135 sx s1mddta91**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5136 sx s1mddta92**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5137 sx s1mddta93**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5138 sx s1mddta94**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5139 sx s1mddta95**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5140 sx s1mddta96**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5141 sx s1mddta97**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5142 sx s1mddta98**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5143 sx s1mddta99**Description**

SX Task: Memory Dump Packet contents

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5144 sx s1mdpid**Description**

SX Task: Memory Dump Packet within UL VCDU ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5145 sx s1mdstadr**Description**

SX Task: Memory Dump Packet start address

Data Type

31 bits, signed integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5146 sx s1mdtmhws**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5147 sx s1mdtmhwss**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5148 sx s1mdtmlws**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5149 sx s1mdtmlwss**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5150 sx s1mdtype**Description**

SX Task: Memory Dump Packet type 0 = Operand; 1 = Instruction

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5151 sx s1memsumppl**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5152 sx s1memsumpsct**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5153 sx s1memsumpsflg**Description**

SX Task: Memory Dump Packet within UL VCDU Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx s1_mem_dmp_pkt (3852)

E.5154 sx sbaudrate0**Description**

SX Task: baud rate

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5155 sx sbaudrate1**Description**

SX Task: Baud Rate

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5156 sx schrestrts0**Description**

SX Task: restarts

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5157 sx schrestrts1**Description**

SX Task: CH Restarts

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5158 sx scmdsex0**Description**

SX Task: Commands executed

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5159 sx scmdsex1**Description**

SX Task: Commands executed

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5160 sx scmdsfwd0**Description**

SX Task: Commands forwarded

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5161 sx scmdsfwd1**Description**

SX Task: Cmd Fwd

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5162 sx scmdsrej0**Description**

SX Task: Commands rejected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5163 sx scmdsrej1**Description**

SX Task: Cmd Rej

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5164 sx sct**Description**

SX Task: Super Packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5165 sx serropcode0**Description**

SX Task: Opcode Errors

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5166 sx serrocode1**Description**

SX Task: Error Opcode

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5167 sx serrslave0**Description****Data Type**

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5168 sx serrslave1**Description**

SX Task: Error Slave

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5169 sx sflg**Description**

SX Task: Super Packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5170 sx sirqpkts0**Description****Data Type**

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5171 sx sirqpkts1**Description**

SX Task: IRQ Packets

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5172 sx slldrxerr0**Description**

SX Task: LLD receive error

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5173 sx slldrxerr1**Description**

SX Task: LLD RX Error

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5174 sx slldtxerr0**Description**

SX Task: LLD Transmit error

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5175 sx slldtxerr1**Description**

SX Task: LLD Transmit error

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5176 sx srxctlreg0**Description**

SX Task:

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5177 sx srxctlreg1**Description**

SX Task: Rx Ctl Reg

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5178 sx srxerrs0**Description**

SX Task: Receive errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5179 sx srxerrs1**Description**

SX Task: RX Errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5180 sx srxstat0**Description**

SX Task: Receive status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5181 sx srxstat1**Description**

SX Task: RX Status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5182 sx ssubasystat0**Description**

SX Task: Sub Asy status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5183 sx ssubasystat1**Description**

SX Task: Sub Asy status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5184 sx stxerrs0**Description**

SX Task: Transmit errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5185 sx stxerrs1**Description**

SX Task: TX Errors

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5186 sx stxstat0**Description**

SX Task: Transmit status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5187 sx stxstat1**Description**

SX Task: TX Status

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5188 sx swrapmd0**Description**

SX Task: wrap mode

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5189 sx swrapmd1**Description**

SX Task: wrap mode

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

SX

Telemetry Source Packets

sx sppkt (3863)

E.5190 tg hss2loopbakwd**Description**

Word read from the loopback register on HSS2 slave on the downlink card.

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5191 tg loopbakhws**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5192 tg loopbakhwss**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5193 tg loopbaklws**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5194 tg loopbaklwss**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5195 tg loopbakpid**Description**

TG Task: Super Packet of HSS Loopback packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5196 tg loopbakpl**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5197 tg loopbaksct**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5198 tg loopbaksflg**Description**

TG Task: Super Packet of HSS Loopback packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

TG

Telemetry Source Packets

tg loopbak_pkt (3865)

E.5199 tp aftdeck_nxtmp2**Description**

Aft Deck (-X) Temp 2

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5200 tp aftdeck_pxtmp1**Description**

Aft Deck (+X) Temp 1

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5201 tp apeaconttmp**Description**

APE A Controller Card Temp, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	2652.84423828125
c1	-1.4286777973175
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	71
yellow high	66
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5202 tp apealvpstmp**Description**

APE A Low Voltage Power Suply Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-143593.375
c1	551.916748046875
c2	-0.881234586238861
c3	0.000747669022530317
c4	-3.55350522340814e-07
c5	8.96805477101914e-11
c6	-9.38657009378566e-15
c7	0

Limits

alarm	limit
red high	66
yellow high	61
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5203 tp batbaseplatetmpa**Description**

Battery Baseplate Temp A

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5204 tp batbaseplatetmpb**Description**

Battery Base Plate Temp B

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5205 tp batcoolcpvtmpa**Description**

Battery Cool CPV Temp A

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5206 tp batcoolcpvtmpb**Description**

Battery Cool CPV Temp B

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5207 tp batwarmcpvtmpa**Description**

Battery Warm CPV Temp A

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5208 tp batwarmcpvtmpb**Description**

Battery Warm CPV Temp B

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	30
yellow high	25
yellow low	-15
red low	-18
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5209 tp cdedtctrpnirtd**Description**

CDE Dectector PNL RTD

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-33847.671875
c1	129.143096923828
c2	-0.204334497451782
c3	0.000171243795193732
c4	-8.00356829699922e-08
c5	1.97561498410659e-11
c6	-2.00900904968198e-15
c7	0

Limits

alarm	limit
red high	65
yellow high	60
yellow low	-25
red low	-60
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5210 tp cdetherma**Description**

CDE ELECTRONICS

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-33847.671875
c1	129.143096923828
c2	-0.204334497451782
c3	0.000171243795193732
c4	-8.00356829699922e-08
c5	1.97561498410659e-11
c6	-2.00900904968198e-15
c7	0

Limits

alarm	limit
red high	40
yellow high	35
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5211 tp ceualvpstmp**Description**

CEU Low Voltage Power Suply Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-143593.375
c1	551.916748046875
c2	-0.881234645843506
c3	0.000747669022530317
c4	-3.55350522340814e-07
c5	8.96805477101914e-11
c6	-9.38657009378566e-15
c7	0

Limits

alarm	limit
red high	73
yellow high	68
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5212 tp ceuatcxotmp**Description**

CEU A Crystal Oscillator Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-143593.375
c1	551.916748046875
c2	-0.881234586238861
c3	0.000747669022530317
c4	-3.55350522340814e-07
c5	8.96805477101914e-11
c6	-9.38657009378566e-15
c7	0

Limits

alarm	limit
red high	74
yellow high	69
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5213 tp ceuextttmp**Description**

CEU Ext Top Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5214 tp cipsbrkt_nxtmp**Description**

CIPS Brkt (-X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	120
yellow high	105
yellow low	-105
red low	-120
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5215 tp cipsbrkt_pxtmp**Description**

CIPS Brkt (+X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	25
yellow high	15
yellow low	-5
red low	-10
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5216 tp cipsexttmp**Description**

CIPS AFT CAMERA HEAD

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	-1208.376953125
c1	2.25655150413513
c2	-0.00143062358256429
c3	3.14999994088794e-07
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	85
yellow high	70
yellow low	-30
red low	-45
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5217 tp cipsinttmp**Description**

CIPS ELECTRONICS

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2650.41796875
c1	-1.42900002002716
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	76
yellow high	71
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)**E.5218 tp hardpktapid****Description**

TP: Thermal APE hard telemetry packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets**tp hardtlm** (3866)**E.5219 tp hardpktsbsechi****Description**

TP: Thermal APE hard telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets**tp hardtlm** (3866)**E.5220 tp hardpktsbseclo****Description**

TP: Thermal APE hard telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5221 tp hardpktsct**Description**

TP: Thermal APE hard telemetry packet Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5222 tp hardpktsecshi**Description**

TP: Thermal APE hard telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5223 tp hardpktsecslo**Description**

TP: Thermal APE hard telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5224 tp hardpktseqlen**Description**

TP: Thermal APE hard telemetry packet Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5225 tp hardpktsflg**Description**

TP: Thermal APE hard telemetry packet Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5226 tp iru1tmp**Description**

IRU 1 Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	52
yellow high	48
yellow low	-10
red low	-15
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5227 tp iru2tmp**Description**

IRU2 Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	52
yellow high	48
yellow low	-10
red low	-15
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5228 tp mxmypnltmp**Description**

TP Task: Negative X Negative Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5229 tp mxpnltmp**Description**

TP Task: Negative X Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5230 tp mxypnltmp**Description**

TP Task: Negative X Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5231 tp nadk_nxtmp**Description**

NADK (-X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5232 tp nadk_pxtmp**Description**

NADK (+X) temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5233 tp nadkintctrtp**Description**

NADK Int Ctr Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5234 tp ppp1tmp**Description**

HDRM 1 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM instead of Paraffin Pull Pin (PPP). However, we are using leacy names to avoid changing scripts.

Telemetry Source Packets**tp hardtlm** (3866)**E.5235 tp ppp2tmp****Description**

HDRM 2 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM instead of Paraffin Pull Pin (PPP). However, we are using legacy names to avoid changing scripts.

Telemetry Source Packets**tp hardtlm** (3866)

E.5236 tp ppp3tmp**Description**

HDRM 3 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM instead of Paraffin Pull Pin (PPP). However, we are using legacy names to avoid changing scripts.

Telemetry Source Packets

tp hardtlm (3866)

E.5237 tp ppp4tmp**Description**

HDRM 4 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM inst4ead of Paraffin Pull Pin (PPP). However, we are using legacy names to avoid changing scripts.

Telemetry Source Packets

tp hardtlim (3866)

E.5238 tp ppp5tmp**Description**

HDRM 5 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM instead of Paraffin Pull Pin (PPP). However, we are using leacy names to avoid changing scripts.

Telemetry Source Packets

tp hardt1m (3866)

E.5239 tp ppp6tmp**Description**

HDRM 6 Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-45
red low	-50
delta	<i>none</i>

Discussion

HDRM are used in AIM instead of Paraffin Pull Pin (PPP). However, we are using legacy names to avoid changing scripts.

Telemetry Source Packets

tp hardtlm (3866)

E.5240 tp prea2tmp**Description**

PRE Card A2 AD590 Sensor - counts to degrees celcius

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	2594.29028320312
c1	-1.40005087852478
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	62
yellow high	57
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5241 tp prea3tmp**Description**

PRE Card A3 AD590 Sensor - counts to degrees celcius

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2594.29028320312
c1	-1.40005087852478
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	62
yellow high	57
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5242 tp prea4tmp**Description**

PRE Card A4 AD590 Sensor - counts to degrees celcius

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2594.29028320312
c1	-1.40005087852478
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	62
yellow high	57
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5243 tp preextttmp**Description**

PRE EXT TOP Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	45
yellow high	40
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5244 tp preshttmp**Description**

PRE Shunt Card AD590 Sensor - counts to degrees celcius

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2594.29028320312
c1	-1.40005087852478
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	62
yellow high	58
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)**E.5245 tp primebat****Description**

Thermal Telemetry: Prime Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets**tp softtlm** (3870)

E.5246 tp rdbat**Description**

Thermal Telemetry: Redundant Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets

tp softtlm (3870)

E.5247 tp rweexttptmp**Description**

RWE Ext Top Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5248 tp rwxexttmp**Description**

RWX EXT Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5249 tp rwyexttmp**Description**

RWY EXT Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5250 tp rwzexttmp**Description**

RWZ EXT Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-18
red low	-23
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5251 tp rwzoperhtr**Description**

Thermal Telemetry: Reaction Wheel

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets

tp softtlm (3870)

E.5252 tp rxatmp**Description**

Receiver temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-20
red low	-25
delta	<i>none</i>

Discussion

There is only one receiver in AIM

Telemetry Source Packets**tp hardtlm** (3866)**E.5253 tp sapnl14_pxnytmp****Description**

SA PNL 4 (+X, -Y) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5254 tp sapnl1_nxpytmp**Description**

SA PNL 1 (-X, +Y) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5255 tp sapnl2_pxpytmp**Description**

SA PNL 2 (+X, +Y) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)**E.5256 tp sapnl3_pxtmp****Description**

SA PNL 3 (+X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)

E.5257 tp sapnl5_nxnytmp**Description**

SA PNL 5 (-X, -Y) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5258 tp sapnl6_nxtmp**Description**

SA PNL 6 (-X) Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	1056.87072753906
c1	-0.641812264919281
c2	2.84041647091726e-07
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	123
yellow high	118
yellow low	-115
red low	-120
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5259 tp sofieelectexttmp**Description**

SOFIE Elect Ext Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	40
yellow high	35
yellow low	-30
red low	-35
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5260 tp sofieexttmpa**Description**

SOFIE FORE OPTICS BENCH

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.81320385786678e-16
c7	0

Limits

alarm	limit
red high	40
yellow high	35
yellow low	-30
red low	-35
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)**E.5261 tp sofieexttmpb****Description**

SOFIE SUN SENSOR MODULE

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	40
yellow high	35
yellow low	-30
red low	-35
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)

E.5262 tp softhws**Description**

TP Task: Thermal software generated packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5263 tp softhwss**Description**

TP Task: Thermal software generated packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5264 tp softlws**Description**

TP Task: Thermal software generated packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5265 tp softlwss**Description**

TP Task: Thermal software generated packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5266 tp softpid**Description**

TP Task: Thermal software generated packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5267 tp softpl**Description**

TP Task: Thermal software generated packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5268 tp softsct**Description**

TP Task: Thermal software generated packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5269 tp softsflg**Description**

TP Task: Thermal software generated packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5270 tp softwarecuted0**Description**

Transceiver

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5271 tp softwarecuted1**Description**

Reaction Wheel

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5272 tp softwarecuted2**Description**

ST1 Real-time data resulting from software datapoint calculation

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5273 tp softwarecuted4**Description**

Batt Real-time data resulting from software datapoint calculation

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5274 tp sp0**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5275 tp sp1**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5276 tp sp10**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5277 tp sp10tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5278 tp sp11**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5279 tp sp11tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5280 tp sp12**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5281 tp sp12tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5282 tp sp13**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5283 tp sp13tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5284 tp sp14**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardt1m (3866)

E.5285 tp sp14tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5286 tp sp15**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardt1m (3866)

E.5287 tp sp15tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5288 tp sp16**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardt1m (3866)

E.5289 tp sp16tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5290 tp sp17**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5291 tp sp17tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5292 tp sp18**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5293 tp sp18tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5294 tp sp19**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5295 tp sp19tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5296 tp sp1tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5297 tp sp2**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardt1m (3866)

E.5298 tp sp20**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5299 tp sp20tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5300 tp sp21**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5301 tp sp21tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5302 tp sp22**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardt1m (3866)

E.5303 tp sp22tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softt1m (3870)

E.5304 tp sp23**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5305 tp sp23tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5306 tp sp24**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5307 tp sp24tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5308 tp sp25**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5309 tp sp25tp**Description**

Spare (Formerly Thermal Telemetry: ST2 Redundant - st2rd)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5310 tp sp26**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5311 tp sp26tp**Description**

Spare (Formerly Thermal Telemetry: ST2 Prime - st2prime)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5312 tp sp27**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5313 tp sp28**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5314 tp sp29**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5315 tp sp2tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5316 tp sp3**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5317 tp sp30**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5318 tp sp31**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5319 tp sp32**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5320 tp sp33**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5321 tp sp34**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5322 tp sp35**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5323 tp sp36**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5324 tp sp37**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5325 tp sp38**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5326 tp sp39**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5327 tp sp3tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5328 tp sp4**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5329 tp sp40**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5330 tp sp41**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5331 tp sp42**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5332 tp sp43**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5333 tp sp44**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5334 tp sp45**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5335 tp sp46**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5336 tp sp47**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5337 tp sp48**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5338 tp sp49**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5339 tp sp4tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5340 tp sp5**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5341 tp sp50**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5342 tp sp51**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5343 tp sp52**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5344 tp sp53**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5345 tp sp54**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5346 tp sp55**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5347 tp sp56**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5348 tp sp57**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5349 tp sp58**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5350 tp sp5tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5351 tp sp6**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5352 tp sp63**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5353 tp sp64**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5354 tp sp65**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5355 tp sp66**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5356 tp sp67**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5357 tp sp68**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5358 tp sp6tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5359 tp sp7**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5360 tp sp7tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5361 tp sp8**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5362 tp sp8tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlim (3870)

E.5363 tp sp9**Description**

spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp hardtlm (3866)

E.5364 tp sp9tp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

TP

Telemetry Source Packets

tp softtlm (3870)

E.5365 tp st1brackettmp**Description**

ST Bracket Temp, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	65
yellow high	60
yellow low	-35
red low	-40
delta	<i>none</i>

Discussion

There is only one ST in AIM though legacy name from SORCE is used to avoid changing script8

Telemetry Source Packets

tp hardtlm (3866)

E.5366 tp st1prime**Description**

Thermal Telemetry: ST1 Prime

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets

tp softtlm (3870)

E.5367 tp st1rd**Description**

Thermal Telemetry: ST1 Redundant

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets

tp softtlm (3870)

E.5368 tp stroperhtrtmppri**Description**

STR Oper Htr Temp Pri

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	25
yellow low	-15
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5369 tp stroperhtrtmpred**Description**

STR Oper Htr Temp Red

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	25
yellow low	-15
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5370 tp tamatmp**Description**

TAM A Temperature, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	-1208.376953125
c1	2.25655150413513
c2	-0.00143062358256429
c3	3.14999994088794e-07
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	70
yellow high	65
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5371 tp tamtmp**Description**

TAM Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	70
yellow high	65
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5372 tp tcvrexttptmp**Description**

TCVR Ext Top Temp

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-20
red low	-25
delta	<i>none</i>

Telemetry Source Packets

tp hardt1m (3866)

E.5373 tp tx1rftmp**Description**

Transmitter temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	60
yellow high	55
yellow low	-20
red low	-25
delta	<i>none</i>

Discussion

There is only one transmitter in AIM

Telemetry Source Packets

tp hardtlm (3866)

E.5374 tp xcvroperhtr**Description**

Thermal Telemetry: Transciever

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

TP

State Conversions

state	value	desirability
GRND	0	CAUTION
FSW	1	GOOD

Telemetry Source Packets

tp softtlim (3870)

E.5375 tp xmypnltmp**Description**

TP Task: X Neg Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlim (3866)

E.5376 tp xpnltmp**Description**

TP Task: X Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5377 tp xtorquertmp**Description**

MTB X Temp, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	71
yellow high	66
yellow low	-29
red low	-34
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5378 tp xypnltmp**Description**

TP Task: X Y Panel Temperature

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	55
yellow high	50
yellow low	-25
red low	-30
delta	<i>none</i>

Telemetry Source Packets

tp hardtlm (3866)

E.5379 tp ytorquertmp**Description**

MTB Y Temp, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	71
yellow high	66
yellow low	-29
red low	-34
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)**E.5380 tp ztorquertmp****Description**

MTB Z Temp, Deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

TP

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	71
yellow high	66
yellow low	-29
red low	-34
delta	<i>none</i>

Telemetry Source Packets**tp hardtlm** (3866)

E.5381 ul actcmdchan**Description**

Command channel current/last command received on

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
CHANNEL_B	0	GOOD
CHANNEL_A	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5382 ul apecritstata**Description**

APE A 5V LVPS power supply state (basic controller/OIP pwr)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Discussion

Wired to what was APE A inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5383 ul apecritstatb**Description**

APE A 5V LVPS power supply state (basic controller/OIP pwr)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Discussion

Wired to what was APE B inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5384 ul apeinsafhllda**Description**

APE A safehold flag - set by OIP

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Discussion

Wired to what was APE A input to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5385 ul apeinsafhlddb**Description**

APE A safehold flag - set by OIP

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Discussion

Wired to what was APE B inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5386 ul apesafhldarmplg**Description**

Arm plugs installed allow current to flow to PPPs (or PASS)

Data Type

2 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
PriSec_Installed	0	GOOD
Pri_Installed	1	CAUTION
Sec_Installed	2	CAUTION
None_Installed	3	BAD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5387 ul apesunaqa**Description**

APE A ACS detects sun within prescribed angle of array normal

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Discussion

Angle and array normal are both table values, wired to what was APE A inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5388 ul apesunaqb**Description**

APE A ACS detects sun within prescribed angle of array normal

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Discussion

Angle and array normal are both table values, wired to what was APE B inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5389 ul apeuprocstata**Description**

APE A microprocessor (OIP) connection status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Connect	0	GOOD
Disconnect	1	BAD

Discussion

Wired to what was APE A inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5390 ul apeuprocstatb**Description**

APE A microprocessor (OIP) connection status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Connect	0	GOOD
Disconnect	1	GOOD

Discussion

Wired to what was APE B inputs to DL for SORCE

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5391 ul bothchansrecgd**Description**

UL Task: RFComm both channels rec good indicator

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Single	0	CAUTION
Both	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5392 ul ccwbootpath**Description**

UL sets computer control word for OBC boot path (default is 0 = eeprom)

Data Type

3 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
EEPROM	0	GOOD
SuromMon	1	GOOD
SuromMon	2	GOOD
SuromMon	3	GOOD
UART	4	GOOD
EEPROM	5	GOOD
UART	6	GOOD
EEPROM	7	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5393 ul ccwsp10**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5394 ul ccwsp11**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5395 ul ccwsp12**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5396 ul ccwsp13**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5397 ul ccwsp14**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5398 ul ccwsp15**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5399 ul ccwsp3**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5400 ul ccwsp4**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5401 ul ccwsp5**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5402 ul ccwsp6**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5403 ul ccwsp7**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5404 ul ccwsp8**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5405 ul ccwsp9**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5406 ul ceuselfcont5hz**Description**

5hz pulse status from current UL (default off)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5407 ul ceuxmtrselmate**Description**

UL flag to cross strapped transmitter indicating which CEU (DL) to accept teleme

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
SELF	0	GOOD
MATE	1	GOOD

Discussion

UL flag to cross strapped transmitter indicating which CEU (DL) to accept telemetry from (default 1)

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5408 ul cmdch1ppstat**Description**

Uplink command buffer - each command enters the alternate buffer

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
LoadA_ReadyB	0	GOOD
LoadB_ReadyA	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5409 ul cmdrejcode**Description**

Reject code for current/last rejected command frame; 0x202 invalid apid / 0x201

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
PktHeaderError	201	BAD
Invalid_APID	202	BAD
FailsumError	203	BAD
InvalidAPID	513	BAD
CcsdsHdrErr	514	BAD
InvalidCS	515	BAD

Discussion

Reject code for current/last rejected command frame; 0x202 invalid apid / 0x201 = CCSDS header error; 0x203 invalid checksum

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5410 ul cmdrjct**Description**

Number of UL commands rejected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5411 ul crittlmhws**Description**

Header : Hi seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5412 ul crittlmhws**Description**

Header : Hi subseconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5413 ul crittlmlws**Description**

Header : Low seconds (always 0)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5414 ul crittlmlwss**Description**

Header : Low subseconds (always 0)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5415 ul crittlmpid**Description**

Header : packet ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5416 ul crittlmpl**Description**

Header : packet length

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5417 ul crittlmsct****Description**

Header : Sequence counter for UL VCDUs

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5418 ul crittlmsflg****Description**

Header : sequence flags

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5419 ul cswobcbootmd****Description**

1 indicates that OBC is attempting to boot (SUROM check passed)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
BOOT	1	GOOD

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5420 ul cswsp1****Description**

Spare bit

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5421 ul cswsp2****Description**

Spare bit

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5422 ul cswsp3****Description**

Spare bit

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5423 ul cswsp5**Description**

Spare bit

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5424 ul cswsp8**Description**

Spare bit

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5425 ul cswsuromtst**Description**

SUROM test status - only valid during boot (very brief)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
OK	0	GOOD
FAIL	1	BAD

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5426 ul ct****Description**

Number of UL commands accepted (valid)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5427 ul discrctlmsp14****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.5428 ul discrctlmsp15****Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5429 ul eeprotect**Description**

EEPROM write status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5430 ul fillpktdta0**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5431 ul fillpktdta1**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5432 ul fillpktdta10**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5433 ul fillpktdta100**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5434 ul fillpktdta101**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5435 ul fillpktdta102**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5436 ul fillpktdta103**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5437 ul fillpktdta104**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul fill_pkt (3875)****E.5438 ul fillpktdta105****Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul fill_pkt (3875)****E.5439 ul fillpktdta106****Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul fill_pkt (3875)****E.5440 ul fillpktdta107****Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul fill_pkt (3875)**

E.5441 ul fillpktdta108**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5442 ul fillpktdta109**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5443 ul fillpktdta11**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5444 ul fillpktdta110**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5445 ul fillpktdta111**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5446 ul fillpktdta112**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5447 ul fillpktdta113**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5448 ul fillpktdta114**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5449 ul fillpktdta115**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5450 ul fillpktdta116**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5451 ul fillpktdta117**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5452 ul fillpktdta118**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5453 ul fillpktdta119**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5454 ul fillpktdta12**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5455 ul fillpktdta120**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5456 ul fillpktdta121**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5457 ul fillpktdta122**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5458 ul fillpktdta123**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5459 ul fillpktdta124**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5460 ul fillpktdta125**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5461 ul fillpktdta126**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5462 ul fillpktdta127**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5463 ul fillpktdta128**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5464 ul fillpktdta129**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5465 ul fillpktdta13**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5466 ul fillpktdta130**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5467 ul fillpktdta131**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5468 ul fillpktdta132**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5469 ul fillpktdta133**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5470 ul fillpktdta134**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5471 ul fillpktdta135**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5472 ul fillpktdta136**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5473 ul fillpktdta137**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5474 ul fillpktdta138**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5475 ul fillpktdta139**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5476 ul fillpktdta14**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5477 ul fillpktdta140**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5478 ul fillpktdta141**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5479 ul fillpktdta142**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5480 ul fillpktdta143**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5481 ul fillpktdta144**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5482 ul fillpktdta145**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5483 ul fillpktdta146**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5484 ul fillpktdta147**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5485 ul fillpktdta148**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5486 ul fillpktdta149**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5487 ul fillpktdta15**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5488 ul fillpktdta150**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5489 ul fillpktdta151**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5490 ul fillpktdta152**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5491 ul fillpktdta153**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5492 ul fillpktdta154**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5493 ul fillpktdta155**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5494 ul fillpktdta156**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5495 ul fillpktdta157**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5496 ul fillpktdta158**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5497 ul fillpktdta159**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5498 ul fillpktdta16**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5499 ul fillpktdta160**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5500 ul fillpktdta161**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5501 ul fillpktdta162**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5502 ul fillpktdta163**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5503 ul fillpktdta164**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5504 ul fillpktdta165**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5505 ul fillpktdta166**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5506 ul fillpktdta167**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5507 ul fillpktdta168**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5508 ul fillpktdta169**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5509 ul fillpktdta17**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5510 ul fillpktdta170**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5511 ul fillpktdta171**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5512 ul fillpktdta172**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5513 ul fillpktdta173**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5514 ul fillpktdta174**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5515 ul fillpktdta175**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5516 ul fillpktdta176**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5517 ul fillpktdta177**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5518 ul fillpktdta178**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5519 ul fillpktdta179**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5520 ul fillpktdta18**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5521 ul fillpktdta180**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5522 ul fillpktdta181**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5523 ul fillpktdta182**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5524 ul fillpktdta183**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5525 ul fillpktdta184**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5526 ul fillpktdta185**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5527 ul fillpktdta186**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5528 ul fillpktdta187**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5529 ul fillpktdta188**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5530 ul fillpktdta189**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5531 ul fillpktdta19**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5532 ul fillpktdta190**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5533 ul fillpktdta191**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5534 ul fillpktdta192**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5535 ul fillpktdta193**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5536 ul fillpktdta194**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5537 ul fillpktdta195**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5538 ul fillpktdta196**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5539 ul fillpktdta197**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5540 ul fillpktdta198**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5541 ul fillpktdta199**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5542 ul fillpktdta2**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5543 ul fillpktdta20**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5544 ul fillpktdta200**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5545 ul fillpktdta201**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5546 ul fillpktdta202**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5547 ul fillpktdta203**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5548 ul fillpktdta204**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5549 ul fillpktdta205**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5550 ul fillpktdta206**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5551 ul fillpktdta207**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5552 ul fillpktdta208**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5553 ul fillpktdta209**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5554 ul fillpktdta21**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5555 ul fillpktdta210**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5556 ul fillpktdta211**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5557 ul fillpktdta212**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5558 ul fillpktdta213**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5559 ul fillpktdta214**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5560 ul fillpktdta215**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5561 ul fillpktdta216**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5562 ul fillpktdta217**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5563 ul fillpktdta218**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5564 ul fillpktdta219**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5565 ul fillpktdta22**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5566 ul fillpktdta220**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5567 ul fillpktdta221**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5568 ul fillpktdta222**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5569 ul fillpktdta223**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5570 ul fillpktdta224**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5571 ul fillpktdta225**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5572 ul fillpktdta226**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5573 ul fillpktdta227**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5574 ul fillpktdta228**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5575 ul fillpktdta229**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5576 ul fillpktdta23**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5577 ul fillpktdta230**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5578 ul fillpktdta231**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5579 ul fillpktdta232**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5580 ul fillpktdta233**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5581 ul fillpktdta234**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5582 ul fillpktdta235**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5583 ul fillpktdta236**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5584 ul fillpktdta237**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5585 ul fillpktdta238**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5586 ul fillpktdta239**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5587 ul fillpktdta24**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5588 ul fillpktdta240**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5589 ul fillpktdta241**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5590 ul fillpktdta242**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5591 ul fillpktdta243**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5592 ul fillpktdta244**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5593 ul fillpktdta245**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5594 ul fillpktdta246**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5595 ul fillpktdta247**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5596 ul fillpktdta248**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5597 ul fillpktdta249**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5598 ul fillpktdta25**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5599 ul fillpktdta250**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5600 ul fillpktdta251**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5601 ul fillpktdta252**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5602 ul fillpktdta253**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5603 ul fillpktdta254**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5604 ul fillpktdta255**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5605 ul fillpktdta256**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5606 ul fillpktdta257**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5607 ul fillpktdta258**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5608 ul fillpktdta259**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5609 ul fillpktdta26**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5610 ul fillpktdta260**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5611 ul fillpktdta261**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5612 ul fillpktdta262**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5613 ul fillpktdta263**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5614 ul fillpktdta264**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5615 ul fillpktdta265**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5616 ul fillpktdta266**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5617 ul fillpktdta267**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5618 ul fillpktdta268**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5619 ul fillpktdta269**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5620 ul fillpktdta27**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5621 ul fillpktdta270**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5622 ul fillpktdta271**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5623 ul fillpktdta272**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5624 ul fillpktdta273**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5625 ul fillpktdta274**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5626 ul fillpktdta275**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5627 ul fillpktdta276**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5628 ul fillpktdta277**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5629 ul fillpktdta278**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5630 ul fillpktdta279**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5631 ul fillpktdta28**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5632 ul fillpktdta280**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5633 ul fillpktdta281**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5634 ul fillpktdta282**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5635 ul fillpktdta283**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5636 ul fillpktdta284**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5637 ul fillpktdta285**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5638 ul fillpktdta286**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5639 ul fillpktdta287**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5640 ul fillpktdta288**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5641 ul fillpktdta289**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5642 ul fillpktdta29**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5643 ul fillpktdta290**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5644 ul fillpktdta291**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5645 ul fillpktdta292**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5646 ul fillpktdta293**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5647 ul fillpktdta294**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5648 ul fillpktdta295**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5649 ul fillpktdta296**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5650 ul fillpktdta297**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5651 ul fillpktdta298**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5652 ul fillpktdta299**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5653 ul fillpktdta3**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5654 ul fillpktdta30**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5655 ul fillpktdta300**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5656 ul fillpktdta301**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5657 ul fillpktdta302**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5658 ul fillpktdta303**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5659 ul fillpktdta304**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5660 ul fillpktdta305**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5661 ul fillpktdta306**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5662 ul fillpktdta307**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5663 ul fillpktdta308**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5664 ul fillpktdta309**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5665 ul fillpktdta31**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5666 ul fillpktdta310**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5667 ul fillpktdta311**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5668 ul fillpktdta312**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5669 ul fillpktdta313**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5670 ul fillpktdta314**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5671 ul fillpktdta315**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5672 ul fillpktdta316**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5673 ul fillpktdta317**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5674 ul fillpktdta318**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5675 ul fillpktdta319**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5676 ul fillpktdta32**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5677 ul fillpktdta320**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5678 ul fillpktdta321**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5679 ul fillpktdta322**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5680 ul fillpktdta323**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5681 ul fillpktdta324**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5682 ul fillpktdta325**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5683 ul fillpktdta326**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5684 ul fillpktdta327**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5685 ul fillpktdta328**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5686 ul fillpktdta329**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5687 ul fillpktdta33**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5688 ul fillpktdta330**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5689 ul fillpktdta331**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5690 ul fillpktdta332**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5691 ul fillpktdta333**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5692 ul fillpktdta334**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5693 ul fillpktdta335**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5694 ul fillpktdta336**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5695 ul fillpktdta337**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5696 ul fillpktdta338**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5697 ul fillpktdta339**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5698 ul fillpktdta34**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5699 ul fillpktdta340**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5700 ul fillpktdta341**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5701 ul fillpktdta342**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5702 ul fillpktdta343**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5703 ul fillpktdta344**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5704 ul fillpktdta345**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5705 ul fillpktdta346**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5706 ul fillpktdta347**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5707 ul fillpktdta348**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5708 ul fillpktdta349**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5709 ul fillpktdta35**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5710 ul fillpktdta350**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5711 ul fillpktdta351**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5712 ul fillpktdta352**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5713 ul fillpktdta353**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5714 ul fillpktdta354**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5715 ul fillpktdta355**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5716 ul fillpktdta356**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5717 ul fillpktdta357**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5718 ul fillpktdta358**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5719 ul fillpktdta359**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5720 ul fillpktdta36**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5721 ul fillpktdta360**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5722 ul fillpktdta361**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5723 ul fillpktdta362**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5724 ul fillpktdta363**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5725 ul fillpktdta364**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5726 ul fillpktdta365**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5727 ul fillpktdta366**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5728 ul fillpktdta367**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5729 ul fillpktdta368**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5730 ul fillpktdta369**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5731 ul fillpktdta37**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5732 ul fillpktdta370**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5733 ul fillpktdta371**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5734 ul fillpktdta372**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5735 ul fillpktdta373**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5736 ul fillpktdta374**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5737 ul fillpktdta375**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5738 ul fillpktdta376**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5739 ul fillpktdta377**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5740 ul fillpktdta378**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5741 ul fillpktdta379**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5742 ul fillpktdta38**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5743 ul fillpktdta380**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5744 ul fillpktdta381**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5745 ul fillpktdta382**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5746 ul fillpktdta383**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5747 ul fillpktdta384**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5748 ul fillpktdta385**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5749 ul fillpktdta386**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5750 ul fillpktdta387**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5751 ul fillpktdta388**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5752 ul fillpktdta389**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5753 ul fillpktdta39**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5754 ul fillpktdta390**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5755 ul fillpktdta391**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5756 ul fillpktdta392**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5757 ul fillpktdta393**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5758 ul fillpktdta394**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5759 ul fillpktdta395**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5760 ul fillpktdta396**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5761 ul fillpktdta397**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5762 ul fillpktdta398**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5763 ul fillpktdta399**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5764 ul fillpktdta4**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5765 ul fillpktdta40**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5766 ul fillpktdta400**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5767 ul fillpktdta401**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5768 ul fillpktdta402**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5769 ul fillpktdta403**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5770 ul fillpktdta404**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5771 ul fillpktdta405**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5772 ul fillpktdta406**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5773 ul fillpktdta407**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5774 ul fillpktdta408**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5775 ul fillpktdta409**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5776 ul fillpktdta41**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5777 ul fillpktdta410**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5778 ul fillpktdta411**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5779 ul fillpktdta412**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5780 ul fillpktdta413**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5781 ul fillpktdta414**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5782 ul fillpktdta415**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5783 ul fillpktdta416**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5784 ul fillpktdta417**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5785 ul fillpktdta418**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5786 ul fillpktdta419**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5787 ul fillpktdta42**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5788 ul fillpktdta420**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5789 ul fillpktdta421**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5790 ul fillpktdta422**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5791 ul fillpktdta423**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5792 ul fillpktdta424**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5793 ul fillpktdta425**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5794 ul fillpktdta426**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5795 ul fillpktdta427**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5796 ul fillpktdta428**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5797 ul fillpktdta429**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5798 ul fillpktdta43**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5799 ul fillpktdta430**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5800 ul fillpktdta431**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5801 ul fillpktdta432**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5802 ul fillpktdta433**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5803 ul fillpktdta434**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5804 ul fillpktdta435**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5805 ul fillpktdta436**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5806 ul fillpktdta437**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5807 ul fillpktdta438**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5808 ul fillpktdta439**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5809 ul fillpktdta44**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5810 ul fillpktdta440**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5811 ul fillpktdta441**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5812 ul fillpktdta442**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5813 ul fillpktdta443**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5814 ul fillpktdta444**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5815 ul fillpktdta445**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5816 ul fillpktdta446**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5817 ul fillpktdta447**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5818 ul fillpktdta448**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5819 ul fillpktdta449**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5820 ul fillpktdta45**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5821 ul fillpktdta450**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5822 ul fillpktdta451**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5823 ul fillpktdta452**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5824 ul fillpktdta453**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5825 ul fillpktdta454**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5826 ul fillpktdta455**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5827 ul fillpktdta456**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5828 ul fillpktdta457**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5829 ul fillpktdta458**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5830 ul fillpktdta459**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5831 ul fillpktdta46**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5832 ul fillpktdta460**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5833 ul fillpktdta461**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5834 ul fillpktdta462**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5835 ul fillpktdta463**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5836 ul fillpktdta464**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5837 ul fillpktdta465**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5838 ul fillpktdta466**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5839 ul fillpktdta467**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5840 ul fillpktdta468**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5841 ul fillpktdta469**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5842 ul fillpktdta47**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5843 ul fillpktdta470**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5844 ul fillpktdta471**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5845 ul fillpktdta472**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5846 ul fillpktdta473**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5847 ul fillpktdta474**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5848 ul fillpktdta475**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5849 ul fillpktdta48**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5850 ul fillpktdta49**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5851 ul fillpktdta5**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5852 ul fillpktdta50**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5853 ul fillpktdta51**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5854 ul fillpktdta52**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5855 ul fillpktdta53**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5856 ul fillpktdta54**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5857 ul fillpktdta55**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5858 ul fillpktdta56**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5859 ul fillpktdta57**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5860 ul fillpktdta58**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5861 ul fillpktdta59**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5862 ul fillpktdta6**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5863 ul fillpktdta60**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5864 ul fillpktdta61**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5865 ul fillpktdta62**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5866 ul fillpktdta63**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5867 ul fillpktdta64**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5868 ul fillpktdta65**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5869 ul fillpktdta66**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5870 ul fillpktdta67**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5871 ul fillpktdta68**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5872 ul fillpktdta69**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5873 ul fillpktdta7**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5874 ul fillpktdta70**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5875 ul fillpktdta71**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5876 ul fillpktdta72**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5877 ul fillpktdta73**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5878 ul fillpktdta74**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5879 ul fillpktdta75**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5880 ul fillpktdta76**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5881 ul fillpktdta77**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5882 ul fillpktdta78**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5883 ul fillpktdta79**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5884 ul fillpktdta8**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5885 ul fillpktdta80**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5886 ul fillpktdta81**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5887 ul fillpktdta82**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5888 ul fillpktdta83**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5889 ul fillpktdta84**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5890 ul fillpktdta85**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5891 ul fillpktdta86**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5892 ul fillpktdta87**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5893 ul fillpktdta88**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5894 ul fillpktdta89**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5895 ul fillpktdta9**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5896 ul fillpktdta90**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5897 ul fillpktdta91**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5898 ul fillpktdta92**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5899 ul fillpktdta93**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5900 ul fillpktdta94**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5901 ul fillpktdta95**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5902 ul fillpktdta96**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5903 ul fillpktdta97**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5904 ul fillpktdta98**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5905 ul fillpktdta99**Description**

UL Task: Data packet in the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5906 ul fillpkthws**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5907 ul fillpkthwss**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5908 ul fillpktlws**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5909 ul fillpctlwss**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5910 ul fillpktpid**Description**

UL Task: Fill packet in the UL VCDU ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5911 ul fillpktpl**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5912 ul fillpktsct**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5913 ul fillpktsflg**Description**

UL Task: Fill packet in the UL VCDU header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul fill_pkt (3875)

E.5914 ul frmcnta**Description**

Command frame count on UL channel A

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5915 ul frmcntb**Description**

Command frame count on UL channel B

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5916 ul frmrejcode**Description**

Reject code for current/last rejected command frame; 0x103 = bad transfer frame

Data Type

11 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
BadTrnsfrFrm	259	BAD

Discussion

Reject code for current/last rejected command frame; 0x103 = bad transfer frame (invalid segmentation)

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5917 ul frmjrjct**Description**

Total number of command frames rejected: BCH code blocks not matching expected

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5918 ul gscct**Description**

General Spacecraft cmd accept count (cmds to OBC; 1553 RT; Instr)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5919 ul gscrejcode**Description**

Reject code for current/last GSC command reject: 0x304 = HSS1 timeout (no OBC re

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
CmdQueueFull	769	BAD
CmdNotRequested	770	BAD
GoodCmdDropped	771	BAD
CmdFlushFromQ	772	BAD

Discussion

Reject code for current/last GSC command reject: 0x304 = HSS1 timeout (no OBC response)

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5920 ul gscrjct**Description**

General Spacecraft cmd reject count (cmds to OBC; 1553 RT; Instr)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5921 ul hardlinenotend**Description**

Uplink to ground communication path (hardline for I&T only)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
HARDLINE	0	GOOD
RFCOMM	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5922 ul hss1msgcnt**Description**

High speed serial 1 message count (UL to OBC)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5923 ul hss1msgrejcode**Description**

High speed serial 1 message reject code (UL to OBC): 0x401 = Invalid function co

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
InvalidFnctCode	1025	BAD
XmissionError	1281	BAD
InvalidCmdID	1282	BAD
InvalidSideCntrl	1283	BAD
CmdFlgType_Rd	1284	BAD
InvDestID	1285	BAD
GSCQueueEmpty	1286	BAD
CmdFlgType_Wrt	1287	BAD
InvHLPFuncCode	1290	BAD
InvPccFuncCode	1291	BAD
IFhung_GscFlush	1292	BAD
DroppedMsg	1293	BAD
AbortMsgInProg	1294	BAD

Discussion

High speed serial 1 message reject code (UL to OBC): 0x401 = Invalid function code

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5924 ul hss1msgrjct**Description**

High speed serial 1 message reject count (UL to OBC)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.5925 ul mddta0**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5926 ul mddta1**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5927 ul mddta10**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5928 ul mddta100**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5929 ul mddta101**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul mem_dmp_pkt (3886)****E.5930 ul mddta102****Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul mem_dmp_pkt (3886)****E.5931 ul mddta103****Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul mem_dmp_pkt (3886)****E.5932 ul mddta104****Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul mem_dmp_pkt (3886)**

E.5933 ul mddta105**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5934 ul mddta106**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5935 ul mddta107**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5936 ul mddta108**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5937 ul mddta109**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5938 ul mddta11**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5939 ul mddta110**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5940 ul mddta111**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5941 ul mddta112**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5942 ul mddta113**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5943 ul mddta114**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5944 ul mddta115**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5945 ul mddta116**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5946 ul mddta117**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5947 ul mddta118**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5948 ul mddta119**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5949 ul mddta12**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5950 ul mddta120**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5951 ul mddta121**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5952 ul mddta122**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5953 ul mddta123**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5954 ul mddta124**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5955 ul mddta125**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5956 ul mddta126**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5957 ul mddta127**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5958 ul mddta128**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5959 ul mddta129**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5960 ul mddta13**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5961 ul mddta130**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5962 ul mddta131**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5963 ul mddta132**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5964 ul mddta133**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5965 ul mddta134**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5966 ul mddta135**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5967 ul mddta136**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5968 ul mddta137**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5969 ul mddta138**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5970 ul mddta139**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5971 ul mddta14**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5972 ul mddta140**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5973 ul mddta141**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5974 ul mddta142**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5975 ul mddta143**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5976 ul mddta144**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5977 ul mddta145**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5978 ul mddta146**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5979 ul mddta147**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5980 ul mddta148**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5981 ul mddta149**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5982 ul mddta15**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5983 ul mddta150**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5984 ul mddta151**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5985 ul mddta152**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5986 ul mddta153**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5987 ul mddta154**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5988 ul mddta155**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5989 ul mddta156**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5990 ul mddta157**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5991 ul mddta158**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5992 ul mddta159**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5993 ul mddta16**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5994 ul mddta160**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5995 ul mddta161**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5996 ul mddta162**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5997 ul mddta163**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5998 ul mddta164**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.5999 ul mddta165**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6000 ul mddta166**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6001 ul mddta167**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6002 ul mddta168**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6003 ul mddta169**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6004 ul mddta17**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6005 ul mddta170**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6006 ul mddta171**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6007 ul mddta172**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6008 ul mddta173**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6009 ul mddta174**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6010 ul mddta175**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6011 ul mddta176**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6012 ul mddta177**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6013 ul mddta178**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6014 ul mddta179**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6015 ul mddta18**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6016 ul mddta180**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6017 ul mddta181**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6018 ul mddta182**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6019 ul mddta183**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6020 ul mddta184**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6021 ul mddta185**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6022 ul mddta186**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6023 ul mddta187**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6024 ul mddta188**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6025 ul mddta189**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6026 ul mddta19**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6027 ul mddta190**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6028 ul mddta191**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6029 ul mddta192**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6030 ul mddta193**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6031 ul mddta194**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6032 ul mddta195**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6033 ul mddta196**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6034 ul mddta197**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6035 ul mddta198**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6036 ul mddta199**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6037 ul mddta2**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6038 ul mddta20**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6039 ul mddta200**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6040 ul mddta201**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6041 ul mddta202**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6042 ul mddta203**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6043 ul mddta204**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6044 ul mddta205**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6045 ul mddta206**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6046 ul mddta207**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6047 ul mddta208**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6048 ul mddta209**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6049 ul mddta21**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6050 ul mddta210**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6051 ul mddta211**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6052 ul mddta212**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6053 ul mddta213**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6054 ul mddta214**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6055 ul mddta215**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6056 ul mddta216**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6057 ul mddta217**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6058 ul mddta218**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6059 ul mddta219**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6060 ul mddta22**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6061 ul mddta220**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6062 ul mddta221**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6063 ul mddta222**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6064 ul mddta223**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6065 ul mddta224**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6066 ul mddta225**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6067 ul mddta226**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6068 ul mddta227**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6069 ul mddta228**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6070 ul mddta229**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6071 ul mddta23**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6072 ul mddta230**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6073 ul mddta231**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6074 ul mddta232**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6075 ul mddta233**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6076 ul mddta234**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6077 ul mddta235**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6078 ul mddta236**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6079 ul mddta237**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6080 ul mddta238**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6081 ul mddta239**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6082 ul mddta24**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6083 ul mddta240**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6084 ul mddta241**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6085 ul mddta242**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6086 ul mddta243**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6087 ul mddta244**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6088 ul mddta245**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6089 ul mddta246**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6090 ul mddta247**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6091 ul mddta248**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6092 ul mddta249**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6093 ul mddta25**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6094 ul mddta250**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6095 ul mddta251**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6096 ul mddta252**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6097 ul mddta253**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6098 ul mddta254**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6099 ul mddta255**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6100 ul mddta256**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6101 ul mddta257**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6102 ul mddta258**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6103 ul mddta259**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6104 ul mddta26**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6105 ul mddta260**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6106 ul mddta261**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6107 ul mddta262**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6108 ul mddta263**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6109 ul mddta264**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6110 ul mddta265**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6111 ul mddta266**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6112 ul mddta267**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6113 ul mddta268**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6114 ul mddta269**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6115 ul mddta27**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6116 ul mddta270**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6117 ul mddta271**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6118 ul mddta272**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6119 ul mddta273**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6120 ul mddta274**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6121 ul mddta275**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6122 ul mddta276**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6123 ul mddta277**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6124 ul mddta278**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6125 ul mddta279**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6126 ul mddta28**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6127 ul mddta280**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6128 ul mddta281**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6129 ul mddta282**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6130 ul mddta283**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6131 ul mddta284**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6132 ul mddta285**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6133 ul mddta286**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6134 ul mddta287**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6135 ul mddta288**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6136 ul mddta289**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6137 ul mddta29**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6138 ul mddta290**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6139 ul mddta291**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6140 ul mddta292**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6141 ul mddta293**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6142 ul mddta294**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6143 ul mddta295**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6144 ul mddta296**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6145 ul mddta297**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6146 ul mddta298**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6147 ul mddta299**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6148 ul mddta3**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6149 ul mddta30**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6150 ul mddta300**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6151 ul mddta301**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6152 ul mddta302**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6153 ul mddta303**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6154 ul mddta304**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6155 ul mddta305**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6156 ul mddta306**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6157 ul mddta307**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6158 ul mddta308**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6159 ul mddta309**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6160 ul mddta31**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6161 ul mddta310**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6162 ul mddta311**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6163 ul mddta312**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6164 ul mddta313**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6165 ul mddta314**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6166 ul mddta315**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6167 ul mddta316**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6168 ul mddta317**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6169 ul mddta318**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6170 ul mddta319**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6171 ul mddta32**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6172 ul mddta320**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6173 ul mddta321**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6174 ul mddta322**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6175 ul mddta323**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6176 ul mddta324**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6177 ul mddta325**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6178 ul mddta326**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6179 ul mddta327**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6180 ul mddta328**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6181 ul mddta329**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6182 ul mddta33**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6183 ul mddta330**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6184 ul mddta331**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6185 ul mddta332**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6186 ul mddta333**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6187 ul mddta334**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6188 ul mddta335**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6189 ul mddta336**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6190 ul mddta337**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6191 ul mddta338**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6192 ul mddta339**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6193 ul mddta34**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6194 ul mddta340**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6195 ul mddta341**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6196 ul mddta342**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6197 ul mddta343**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6198 ul mddta344**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6199 ul mddta345**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6200 ul mddta346**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6201 ul mddta347**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6202 ul mddta348**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6203 ul mddta349**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6204 ul mddta35**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6205 ul mddta350**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6206 ul mddta351**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6207 ul mddta352**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6208 ul mddta353**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6209 ul mddta354**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6210 ul mddta355**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6211 ul mddta356**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6212 ul mddta357**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6213 ul mddta358**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6214 ul mddta359**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6215 ul mddta36**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6216 ul mddta360**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6217 ul mddta361**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6218 ul mddta362**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6219 ul mddta363**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6220 ul mddta364**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6221 ul mddta365**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6222 ul mddta366**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6223 ul mddta367**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6224 ul mddta368**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6225 ul mddta369**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6226 ul mddta37**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6227 ul mddta370**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6228 ul mddta371**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6229 ul mddta372**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6230 ul mddta373**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6231 ul mddta374**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6232 ul mddta375**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6233 ul mddta376**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6234 ul mddta377**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6235 ul mddta378**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6236 ul mddta379**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6237 ul mddta38**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6238 ul mddta380**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6239 ul mddta381**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6240 ul mddta382**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6241 ul mddta383**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6242 ul mddta384**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6243 ul mddta385**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6244 ul mddta386**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6245 ul mddta387**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6246 ul mddta388**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6247 ul mddta389**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6248 ul mddta39**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6249 ul mddta390**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6250 ul mddta391**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6251 ul mddta392**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6252 ul mddta393**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6253 ul mddta394**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6254 ul mddta395**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6255 ul mddta396**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6256 ul mddta397**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6257 ul mddta398**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6258 ul mddta399**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6259 ul mddta4**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6260 ul mddta40**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6261 ul mddta400**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6262 ul mddta401**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6263 ul mddta402**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6264 ul mddta403**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6265 ul mddta404**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6266 ul mddta405**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6267 ul mddta406**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6268 ul mddta407**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6269 ul mddta408**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6270 ul mddta409**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6271 ul mddta41**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6272 ul mddta410**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6273 ul mddta411**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6274 ul mddta412**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6275 ul mddta413**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6276 ul mddta414**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6277 ul mddta415**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6278 ul mddta416**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6279 ul mddta417**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6280 ul mddta418**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6281 ul mddta419**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6282 ul mddta42**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6283 ul mddta420**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6284 ul mddta421**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6285 ul mddta422**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6286 ul mddta423**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6287 ul mddta424**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6288 ul mddta425**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6289 ul mddta426**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6290 ul mddta427**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6291 ul mddta428**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6292 ul mddta429**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6293 ul mddta43**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6294 ul mddta430**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6295 ul mddta431**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6296 ul mddta432**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6297 ul mddta433**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6298 ul mddta434**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6299 ul mddta435**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6300 ul mddta436**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6301 ul mddta437**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6302 ul mddta438**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6303 ul mddta439**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6304 ul mddta44**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6305 ul mddta440**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6306 ul mddta441**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6307 ul mddta442**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6308 ul mddta443**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6309 ul mddta444**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6310 ul mddta445**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6311 ul mddta446**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6312 ul mddta447**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6313 ul mddta448**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6314 ul mddta449**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6315 ul mddta45**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6316 ul mddta450**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6317 ul mddta451**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6318 ul mddta452**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6319 ul mddta453**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6320 ul mddta454**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6321 ul mddta455**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6322 ul mddta456**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6323 ul mddta457**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6324 ul mddta458**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6325 ul mddta459**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6326 ul mddta46**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6327 ul mddta460**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6328 ul mddta461**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6329 ul mddta462**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6330 ul mddta463**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6331 ul mddta464**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6332 ul mddta465**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6333 ul mddta466**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6334 ul mddta467**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6335 ul mddta468**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6336 ul mddta469**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6337 ul mddta47**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6338 ul mddta470**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6339 ul mddta471**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6340 ul mddta472**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6341 ul mddta473**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6342 ul mddta48**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6343 ul mddta49**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6344 ul mddta5**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6345 ul mddta50**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6346 ul mddta51**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6347 ul mddta52**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6348 ul mddta53**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6349 ul mddta54**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6350 ul mddta55**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6351 ul mddta56**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6352 ul mddta57**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6353 ul mddta58**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6354 ul mddta59**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6355 ul mddta6**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6356 ul mddta60**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6357 ul mddta61**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6358 ul mddta62**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6359 ul mddta63**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6360 ul mddta64**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6361 ul mddta65**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6362 ul mddta66**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6363 ul mddta67**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6364 ul mddta68**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6365 ul mddta69**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6366 ul mddta7**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6367 ul mddta70**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6368 ul mddta71**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6369 ul mddta72**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6370 ul mddta73**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6371 ul mddta74**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6372 ul mddta75**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6373 ul mddta76**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6374 ul mddta77**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6375 ul mddta78**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6376 ul mddta79**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6377 ul mddta8**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6378 ul mddta80**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6379 ul mddta81**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6380 ul mddta82**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6381 ul mddta83**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6382 ul mddta84**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6383 ul mddta85**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6384 ul mddta86**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6385 ul mddta87**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6386 ul mddta88**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6387 ul mddta89**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6388 ul mddta9**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6389 ul mddta90**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6390 ul mddta91**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6391 ul mddta92**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6392 ul mddta93**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6393 ul mddta94**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6394 ul mddta95**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6395 ul mddta96**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6396 ul mddta97**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6397 ul mddta98**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6398 ul mddta99**Description**

UL Task: Memory dump data within the UL VCDU

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6399 ul mdhws**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6400 ul mdhwss**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6401 ul mdlws**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6402 ul mdlwss**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6403 ul mdpid**Description**

UL Task: Memory dump packet in the UL VCDU ID

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6404 ul mdpl**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6405 ul mdsct**Description**

Sequence count of dump packets - if incrementing dump data fields will be over-w

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Discussion

Sequence count of dump packets - if incrementing dump data fields will be over-written!

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6406 ul mdsflg**Description**

UL Task: Memory dump packet in the UL VCDU header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6407 ul mdstadr**Description**

Start address of memory being dumped - will increment for multiple dumps

Data Type

31 bits, signed integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6408 ul mdtype**Description**

Location of memory being dumped (instruction or operand)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Operand	0	GOOD
Instruction	1	GOOD

Telemetry Source Packets

ul mem_dmp_pkt (3886)

E.6409 ul miscflgsp0**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6410 ul miscflgsps1513****Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6411 ul miscflgsps53****Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6412 ul ngscct****Description**

Non-GSC cmd accept count (cmds to UL; PCC)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)

E.6413 ul ngscrejcode**Description**

Reject code for current/last NGSC command reject;; 0x401 = Unassigned function c

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
MemDmpInContMd	1024	BAD
UnassignedFuncCd	1025	BAD
MemLdOutOfRange	1026	BAD
InvalidFuncCode	1027	BAD
DLcmdQfull	1028	BAD
InvalidPktLength	1029	BAD
MemDmpInProg	1030	BAD
InvalidVCDUrate	1070	BAD
MemLdCntrOutRng	1072	BAD
InvalidMemType	1073	BAD
ObcWdtMonInvalid	1074	BAD

Discussion

Reject code for current/last NGSC command reject;; 0x401 = Unassigned function code; 0x403 = Invalid function code; 0x402 = Mem Load Address Outrange

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6414 ul ngscrjct**Description**

Non-GSC cmd reject count (cmds to UL; PCC)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6415 ul nobitlcka**Description**

Lock to modulated (16 Khz) subcarrier (data) - receiver A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
LOCK	0	GOOD
NOLOCK	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6416 ul nobitlckb**Description**

Lock to modulated (16 Khz) subcarrier (data) - receiver B

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
LOCK	0	GOOD
NOLOCK	1	GOOD

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6417 ul norfpresenta****Description**

Lock on UL frequency (2.0935146 Ghz) main carrier (no modulation/data) - receive

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NONE	0	GOOD
PRESENT	1	GOOD

Discussion

Lock on UL frequency (2.0935146 Ghz) main carrier (no modulation/data) - receiver A

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6418 ul norfpresentb****Description**

Lock on UL frequency (2.0935146 Ghz) main carrier (no modulation/data) - receive

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
NONE	0	GOOD
PRESENT	1	GOOD

Discussion

Lock on UL frequency (2.0935146 Ghz) main carrier (no modulation/data) - receiver B

Telemetry Source Packets**ul crit_tlm_pkt** (3872)

E.6419 ul obcbtimage1**Description**

Boot image attempted by OBC : bit 1 of 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6420 ul obcbtimage2**Description**

Boot image attempted by OBC : bit 2 of 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6421 ul obcbtpath1**Description**

OBC boot path 1 of 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6422 ul obcbtpath2**Description**

OBC boot path 2 of 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6423 ul obcbtpath3**Description**

OBC boot path 3 of 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6424 ul obcbtpath4**Description**

OBC boot path 4 of 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6425 ul obcbtstat1**Description**

OBC boot status (if SUROM test fail then 0) bit 1 of 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6426 ul obcbtstat2**Description**

OBC boot status (if SUROM test fail then meg fail ID) bit 2 of 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6427 ul obcbtstat3**Description**

OBC boot status (if SUROM test fail then meg fail ID) bit 3 of 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6428 ul obcheartbeat**Description**

OBC generates signal for WDT - timeout for WDT reset

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Flatline	0	BAD
Present	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6429 ul obchlpnd**Description**

UL accepts HLP commands from OBC via HSS1 if enabled (default disabled)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6430 ul obcpwron**Description**

OBC non-critical power status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6431 ul obcwexpired**Description**

OBC watchdog status set in response to OBC heartbeat

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
EXPIRED	0	BAD
MONITOR	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6432 ul obcwdrsten**Description**

State of UL OBC watchdog function - must be enabled to reset OBC (default disabl

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Discussion

State of UL OBC watchdog function - must be enabled to reset OBC (default disabled) - will not reset more than once per 30 sec

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6433 ul pccnt**Description**

Total number of Pegasus commands transmitted

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Discussion

Pegasus task command count (from OBC) - will increment if UL send back previous state vector (PG hung)

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6434 ul pcerrcnt**Description**

Total number of bad Pegasus commands transmitted

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6435 ul pcerrstat**Description**

Error status for Pegasus task interface: 0x0703 = No PG Cmd Resonse Out

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
NoPGcmd	1795	BAD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6436 ul pegend**Description**

Pegasus interface enable status (default enabled)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Disabled	0	CAUTION
Enabled	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6437 ul preferredchnl**Description**

If command receipt simultaneous on both channels use this one (default channel A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
CHANNEL_B	0	GOOD
CHANNEL_A	1	GOOD

Discussion

If command receipt simultaneous on both channels use this one (default channel A)

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6438 ul rstcnt**Description**

Count of UL resets (via watchdog or command) reset by reset counters command or

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Discussion

Count of UL resets (via watchdog or command) reset by reset counters command or POR

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6439 ul scsaerrflg**Description**

Spacecraft serial A (UL to DL) error flag

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6440 ul scsamsgetc**Description**

Spacecraft serial A (UL to DL) message count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6441 ul scsamsgrejcode**Description**

Spacecraft serial A (UL to DL) message reject code

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
VcduXferNotCmplt	1539	BAD
VcduXferError	1540	BAD
DLcmdXfrNotCmplt	1541	BAD
DLcmdXferError	1542	BAD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6442 ul scsamsgrjct**Description**

Spacecraft serial A (UL to DL) message reject count

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6443 ul sevenmintmrdisd**Description**

For ground test the use of a 7 minute UL reset timer can be used instead of the

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Enabled	0	GOOD
Disabled	1	GOOD

Discussion

For ground test the use of a 7 minute UL reset timer can be used instead of the default 14 hour timer

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6444 ul sp**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6445 ul stg3sep1sw**Description**

Launch vehicle separation status indicator : 0 = mated; 1 = sep

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6446 ul stg3sep2sw**Description**

Launch vehicle separation status indicator : 0 = mated; 1 = sep

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6447 ul stg3sep3sw**Description**

Launch vehicle separation status indicator : 0 = mated; 1 = sep

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
Mated	0	CAUTION
Separated	1	GOOD

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6448 ul svcarcnt**Description**

Total number of characters received over the Pegasus interface

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6449 ul svcarerrcnt**Description**

Total number of incoming character related errors (framing or overrun)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6450 ul svcnt**Description**

Total number of state vectors received (122 bytes in length)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6451 ul sverrcnt**Description**

Total number of bad state vectors received (!=122 bytes in length)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6452 ul sverrstat**Description**

Reason for the last 'incoming error' on the Pegasus interface (cause for either

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
None	0	GOOD
FramingError	1793	BAD
LostPreviousData	1794	BAD
MissingDataInQ	1795	BAD
SV_BadSize	1796	BAD

Discussion

Reason for the last 'incoming error' on the Pegasus interface (cause for either error counter to be incremented): 0x704 = Bad State Vector In

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6453 ul syncsearcha**Description**

Uplink command frame check state machine step one - will be search until a start

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
CmdProcess	0	GOOD
SearchCmd	1	GOOD

Discussion

Uplink command frame check state machine step one - will be search until a start sequence (EB90H) is received - will be sync until processing is complete

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6454 ul syncsearchb**Description**

Uplink command frame check state machine step one - will be search until a start

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

UL

State Conversions

state	value	desirability
CmdProcess	0	GOOD
SearchCmd	1	GOOD

Discussion

Uplink command frame check state machine step one - will be search until a start sequence (EB90H) is received - will be sync until processing is complete

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6455 ul tcxolopnlpfracct**Description**

TCXO open loop frequency fraction count for 1Hz

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6456 ul tcxolopnlpfreq**Description**

Last TCXO open loop frequency count for 1Hz

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Limits

alarm	limit
red high	24574000
yellow high	24574000
yellow low	23426000
red low	23426000
delta	<i>none</i>

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6457 ul tcxonext1hzfreq**Description**

Current TCXO open loop frequency count for 1Hz

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6458 ul totalfrmcnt**Description**

Total count of command frames received on either uplink channel

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets

ul crit_tlm_pkt (3872)

E.6459 ul uprocrsttmr**Description**

Time in 2hr time blocks until UL uproc reset enabled

Data Type

3 bits, unsigned integer, engineering units = hr.

Measurement Source

UL

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	2
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	16
yellow high	16
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6460 ul vcdurate****Description**

Time in seconds between UL VCDU output to DL via SCSA

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

UL

Telemetry Source Packets**ul crit_tlm_pkt** (3872)**E.6461 xb Spare1****Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6462 xb Spare10****Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6463 xb Spare11**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6464 xb Spare12**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6465 xb Spare2**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6466 xb Spare3**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6467 xb Spare4**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6468 xb Spare5**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6469 xb Spare6**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6470 xb Spare7**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6471 xb Spare8**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6472 xb Spare9**Description****Data Type**

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6473 xb a2w1id**Description****Data Type**

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6474 xb a2w2b2sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6475 xb a2w2id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6476 xb a2w2s17sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6477 xb a2w2s19sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6478 xb a2w2s20sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6479 xb a2w2s21sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6480 xb a2w2s22sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6481 xb a2w2s23sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6482 xb a2w2s24sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6483 xb a2w3id****Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6484 xb a2w3s25sp****Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6485 xb a2w3s26sp****Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6486 xb a2w3s27sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6487 xb a2w3s28sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6488 xb a2w3s29sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6489 xb a2w3s30sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6490 xb a2w4b0sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6491 xb a2w4b10sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6492 xb a2w4b11sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6493 xb a2w4b1sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6494 xb a2w4b2sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6495 xb a2w4b3sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6496 xb a2w4b4sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6497 xb a2w4b5sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6498 xb a2w4b6sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6499 xb a2w4b7sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6500 xb a2w4b8sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6501 xb a2w4b9pare**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6502 xb a2w4id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6503 xb a3w1id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6504 xb a3w2b1sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6505 xb a3w2b5sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6506 xb a3w2id**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6507 xb a3w2s19sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6508 xb a3w2s20sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6509 xb a3w2s21sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6510 xb a3w2s22sp****Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6511 xb a3w2s23sp****Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6512 xb a3w2s24sp****Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6513 xb a3w3id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6514 xb a3w3s25sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6515 xb a3w3s26sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6516 xb a3w3s27sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6517 xb a3w3s28sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6518 xb a3w3s29sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6519 xb a3w3s30sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6520 xb a3w4b10sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6521 xb a3w4b11sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6522 xb a3w4b9sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6523 xb a3w4id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6524 xb a3w4sb0sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6525 xb a3w4sb1sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6526 xb a3w4sb2sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6527 xb a3w4sb3sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6528 xb a3w4sb4sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6529 xb a3w4sb5sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6530 xb a3w4sb6sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6531 xb a3w4sb7sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6532 xb a3w4sb8sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6533 xb a4w1b9sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6534 xb a4w1id****Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6535 xb a4w2b0sp****Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6536 xb a4w2b2sp****Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6537 xb a4w2b4sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6538 xb a4w2id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6539 xb a4w2s19sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6540 xb a4w2s20sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6541 xb a4w2s21sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6542 xb a4w2s22sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6543 xb a4w2s23sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6544 xb a4w2s24sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6545 xb a4w3b11sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6546 xb a4w3b12sp**Description**

spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6547 xb a4w3id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6548 xb a4w3s25sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6549 xb a4w3s26sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6550 xb a4w3s27sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6551 xb a4w3s28sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6552 xb a4w3s29sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6553 xb a4w3s30sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6554 xb a4w4b0sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6555 xb a4w4b10sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6556 xb a4w4b11sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6557 xb a4w4b1sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6558 xb a4w4b2sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6559 xb a4w4b3sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6560 xb a4w4b4sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6561 xb a4w4b5sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6562 xb a4w4b6sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6563 xb a4w4b7sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6564 xb a4w4b8sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6565 xb a4w4b9sp**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

1 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6566 xb a4w4id**Description**

EPS Slow Telemetry Message from APE; id

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6567 xb acsfsterrpkthws**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_err_tlm (3897)

E.6568 xb acsfsterrpkthwss**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_err_tlm (3897)

E.6569 xb acsfsterrpctlws**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6570 xb acsfsterrpctlwss**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6571 xb acsfsterrpktpid**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6572 xb acsfsterrpktpl**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6573 xb acsfsterrpktsct**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6574 xb acsfsterrpktsflg**Description**

XB AC Fast Telemetry Error Message; packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.err.tlm (3897)

E.6575 xb apeamain15vmon**Description**

EPS Fast Telemetry Message from APE; APE A Main 15V Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	15.5
yellow high	15.1499996185303
yellow low	14.5
red low	14.25
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6576 xb apeamain5vmon**Description**

EPS Fast Telemetry Message from APE; APE A Main 5V Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6577 xb apeamainn15vmon**Description**

EPS Fast Telemetry Msg from APE; APE A Main N15V Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-14.25
yellow high	-14.5
yellow low	-15.1499996185303
red low	-15.5
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6578 xb apectrlerswrd10**Description**

Current command register content - last command executed (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6579 xb apectrlerswrd11**Description**

Last data word written out a slice 0 SDC channel (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6580 xb apectrlerswrd12**Description**

Current analog calibrate; gain; A/D output setting (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6581 xb apectrlerswrd13**Description**

Current value of bilevel/SDT accumulator (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6582 xb apectrlerswrd14**Description**

Current o_exe_state (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6583 xb apectrlerswrd15****Description**

Current value of Scommand W0 (GROUND TEST ONLY)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6584 xb apeeepromwrt****Description**

APE EEPROM Write Enable Status

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
ENABLE	0	GOOD
DISABLE	1	GOOD

Telemetry Source Packets**xb lot0pkt** (3912)**E.6585 xb batcpv10voltage****Description**

Battery CPV 10(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	36.3358192443848
c1	-0.0177507996559143
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6586 xb batcpv1voltage**Description**

Battery CPV 1(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6587 xb batcpv2voltage**Description**

Battery CPV 2(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6588 xb batcpv3voltage**Description**

Battery CPV 3(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6589 xb batcpv4voltage**Description**

Battery CPV 4(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	14.4960432052612
c1	-0.00708159990608692
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6590 xb batcpv5voltage**Description**

Battery CPV 5(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	18.1036567687988
c1	-0.00884400028735399
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6591 xb batcpv6voltage**Description**

Battery CPV 6(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	21.627269744873
c1	-0.0105652995407581
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6592 xb batcpv7voltage**Description**

Battery CPV 7(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	25.2582015991211
c1	-0.0123391002416611
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6593 xb batcpv8voltage

Description

Battery CPV 8(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	28.8709373474121
c1	-0.0141040002927184
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6594 xb batcpv9voltage

Description

Battery CPV 9(+) Voltage [Relative to CPV 1(-)]

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	32.5255317687988
c1	-0.0158894006162882
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6595 xb batcur**Description**

Battery Current - counts to amps

Data Type

12 bits, unsigned integer, engineering units = A.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	26
yellow high	13
yellow low	-17
red low	-20
delta	<i>none</i>

Discussion

Current not including Direct Power Supply (GSE) or Trickle Charging - counts to amps

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6596 xb batpresscell1**Description**

Battery Pressure Sensor 1

Data Type

12 bits, unsigned integer, engineering units = PSI.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2136
c1	-1.0440000295639
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	900
yellow high	800
yellow low	300
red low	200
delta	<i>none</i>

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6597 xb batpresscell2**Description**

Battery Pressure Sensor 2

Data Type

12 bits, unsigned integer, engineering units = PSI.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	2136
c1	-1.0440000295639
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	900
yellow high	800
yellow low	300
red low	200
delta	<i>none</i>

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6598 xb batrelay1pos**Description**

EPS Slow Telemetry Message from APE; Batt Relay 1 Pos (voltage divider in batter

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISCONNECT	0	GOOD
CONNECT	1	GOOD

Discussion

EPS Slow Telemetry Message from APE; Batt Relay 1 Pos (voltage divider in battery)

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6599 xb batrelay2pos**Description**

EPS Slow Telemetry Message from APE; Batt Relay 2 Pos (voltage divider in batter

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISCONNECT	0	GOOD
CONNECT	1	GOOD

Discussion

EPS Slow Telemetry Message from APE; Batt Relay 2 Pos (voltage divider in battery)

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6600 xb battmpcell1**Description**

Battery Temperature Sensor 1 - counts to deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	25
yellow high	20
yellow low	-5
red low	-10
delta	<i>none</i>

Telemetry Source Packets

xb epsfstlm (3903)

E.6601 xb battmpcell2**Description**

Battery Temperature Sensor 2 - counts to deg C

Data Type

12 bits, unsigned integer, engineering units = C.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_7D
start	0
stop	0
c0	-20384.455078125
c1	82.9009475708008
c2	-0.140058100223541
c3	0.000125478487461805
c4	-6.27617851023388e-08
c5	1.66034200277387e-11
c6	-1.813203831397e-15
c7	0

Limits

alarm	limit
red high	25
yellow high	20
yellow low	-5
red low	-10
delta	<i>none</i>

Telemetry Source Packets**xb epsfstlm** (3903)**E.6602 xb batvagecpv11****Description**

Battery voltage - counts to volts

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	39.6362380981445
c1	-0.01936100050807
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	36
yellow high	34.7000007629395
yellow low	26
red low	25
delta	<i>none</i>

Telemetry Source Packets**xb epsfstlm** (3903)

E.6603 xb btprepnsuhtenpr**Description**

Battery Cell Survival Heater Enable, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6604 xb btsuhtenrd**Description**

BATTERY Cell Survival HEATER ENABLE, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6605 xb bus2khzpherrw1af**Description**

Set if basic controller PLL is out of phase lock with external 2kHz clock (word

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Lock	0	GOOD
NoLock	1	BAD

Discussion

Set if basic controller PLL is out of phase lock with external 2kHz clock (word 1 after flush)

Telemetry Source Packets

xb lot0pkt (3912)

E.6606 xb bus2khzpherrw1bf**Description**

Set if basic controller PLL is out of phase lock with external 2kHz clock (word

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if basic controller PLL is out of phase lock with external 2kHz clock (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6607 xb bus2khzpherrw2af**Description**

Set if basic controller PLL is out of phase lock with external 2kHz clock (word

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Lock	0	GOOD
NoLock	1	BAD

Discussion

Set if basic controller PLL is out of phase lock with external 2kHz clock (word 2 after flush)

Telemetry Source Packets

xb lot0pkt (3912)

E.6608 xb bus2khzpherrw2bf**Description**

Set if basic controller PLL is out of phase lock with external 2kHz clock (word

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if basic controller PLL is out of phase lock with external 2kHz clock (word 2 before flush)

Telemetry Source Packets

xb lot0pkt (3912)

E.6609 xb buscurld**Description**

Load current - counts to amps

Data Type

12 bits, unsigned integer, engineering units = A.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	20
yellow high	17
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb epsfst tlm (3903)

E.6610 xb busvoltage**Description**

Voltage at fuse assembly - counts to volts

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	39.6362380981445
c1	-0.01936100050807
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	36
yellow high	36
yellow low	21.5
red low	21.5
delta	<i>none</i>

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6611 xb cdepwpr**Description**

CDE Power, Primary

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6612 xb cdepwrd**Description**

CDE Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6613 xb ceua3vmon****Description**

EPS Fast Telemetry Message from APE; CEU A 3V Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	3.45000004768372
yellow high	3.33999991416931
yellow low	3.25999999046326
red low	3.15000009536743
delta	<i>none</i>

Telemetry Source Packets**xb eps_misc_tlm** (3905)**E.6614 xb ceua5vcritmon****Description**

EPS Fast Telemetry Message from APE; CEU A 5V Crit Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6615 xb ceua5vncritmon**Description**

EPS Fast Telemetry Msg from APE; CEU A 5V Non Crit Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.15000009536743
yellow low	4.90000009536743
red low	4.75
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6616 xb ceuan15vmon**Description**

EPS Fast Telemetry Msg from APE; CEU A N15V Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	40.9300003051758
c1	-0.0199999995529652
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-14.1999998092651
yellow high	-14.8299999237061
yellow low	-15.1199998855591
red low	-15.8999996185303
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6617 xb ceuancrit**Description**

EPS Slow Telemetry Message from APE; CEU A non critical 5 volt power flag (OBC)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6618 xb ceuncpwr**Description**

CEU Noncritical Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6619 xb cipselpwpr****Description**

CIPS Electronics Power, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6620 xb cipselpwrd****Description**

CIPS Electronics Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6621 xb cmdfforunw1af**Description**

Set if command FIFO overrun status (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6622 xb cmdfforunw1bf**Description**

Set if command FIFO overrun status (word 1 before flush) APE ERROR ACCUMULATOR

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6623 xb cmdfforunw2af**Description**

Set if command FIFO overrun status (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6624 xb cmdfforunw2bf**Description**

Set if command FIFO overrun status (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6625 xb cmdfwrmtdisdw1af**Description**

Set if command fetched from 1553 while remote Set if command disabled (word 1 af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if command fetched from 1553 while remote Set if command disabled (word 1 after flush)

Telemetry Source Packets

xb lot0pkt (3912)

E.6626 xb cmdfwrmtdisdw1bf**Description**

Set if command fetched from 1553 while remote Set if command disabled (word 1 be

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if command fetched from 1553 while remote Set if command disabled (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets**xb lot0pkt** (3912)**E.6627 xb cmdfwrmtdisdw2af****Description**

Set if command fetched from 1553 while remote Set if command disabled (word 2 af

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if command fetched from 1553 while remote Set if command disabled (word 2 after flush)

Telemetry Source Packets**xb lot0pkt** (3912)**E.6628 xb cmdfwrmtdisdw2bf****Description**

Set if command fetched from 1553 while remote Set if command disabled (word 2 be

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if command fetched from 1553 while remote Set if command disabled (word 2 before flush)

Telemetry Source Packets**xb lot0pkt** (3912)**E.6629 xb cmdmc1553****Description**

Echo of the 1553 command word in the XB 1553 Bus Bit Level Read Command

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6630 xb cmdsequer1553w1af**Description**

Set if command out of sequence (1553) (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6631 xb cmdsequer1553w1bf**Description**

Set if command out of sequence (1553) (word 1 before flush) APE ERROR ACCUMULATO

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if command out of sequence (1553) (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6632 xb cmdsequer1553w2af**Description**

Set if command out of sequence (1553) (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6633 xb cmdseqer1553w2bf**Description**

Set if command out of sequence (1553) (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6634 xb cmdseqerdcrdw1af**Description**

Set if command out of sequence (OIP) (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6635 xb cmdseqerdcrdw1bf**Description**

Set if command out of sequence (OIP) (word 1 before flush) APE ERROR ACCUMULATOR

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6636 xb cmdseqerdcrdw2af****Description**

Set if command out of sequence (OIP) (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6637 xb cmdseqerdcrdw2bf****Description**

Set if command out of sequence (OIP) (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6638 xb cntofcmdsfrm1553****Description**

Count of commands received from the 1553 interface since last clear

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)

E.6639 xb cntofcmdsfrmoip**Description**

Count of commands received from the OIP since last clear

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6640 xb csscur1cal**Description**

XB AC Fast Telemetry Message from APE; css 1 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6641 xb csscur1gain**Description**

XB AC Fast Telemetry Message from APE; css 1 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6642 xb csscur1mag**Description**

XB AC Fast Telemetry Message from APE; css 1 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6643 xb csscur2cal**Description**

XB AC Fast Telemetry Message from APE; css 2 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6644 xb csscur2gain**Description**

XB AC Fast Telemetry Message from APE; css 2 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6645 xb csscur2mag**Description**

XB AC Fast Telemetry Message from APE; css 2 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6646 xb csscur3cal**Description**

XB AC Fast Telemetry Message from APE; css 3 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6647 xb csscur3gain**Description**

XB AC Fast Telemetry Message from APE; css 3 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6648 xb csscur3mag**Description**

XB AC Fast Telemetry Message from APE; css 3 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6649 xb csscur4cal**Description**

XB AC Fast Telemetry Message from APE; css 4 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6650 xb csscur4gain**Description**

XB AC Fast Telemetry Message from APE; css 4 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6651 xb csscur4mag**Description**

XB AC Fast Telemetry Message from APE; css 4 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6652 xb csscur5cal**Description**

XB AC Fast Telemetry Message from APE; css 5 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6653 xb csscur5gain**Description**

XB AC Fast Telemetry Message from APE; css 5 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6654 xb csscur5mag**Description**

XB AC Fast Telemetry Message from APE; css 5 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6655 xb csscur6cal**Description**

XB AC Fast Telemetry Message from APE; css 6 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6656 xb csscur6gain**Description**

XB AC Fast Telemetry Message from APE; css 6 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6657 xb csscur6mag**Description**

XB AC Fast Telemetry Message from APE; css 6 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6658 xb csscur7cal**Description**

XB AC Fast Telemetry Message from APE; css 7 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6659 xb csscur7gain**Description**

XB AC Fast Telemetry Message from APE; css 7 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6660 xb csscur7mag**Description**

XB AC Fast Telemetry Message from APE; css 7 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6661 xb csscur8cal**Description**

XB AC Fast Telemetry Message from APE; css 8 cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6662 xb csscur8gain**Description**

XB AC Fast Telemetry Message from APE; css 8 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6663 xb csscur8mag**Description**

XB AC Fast Telemetry Message from APE; css 8 magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6664 xb curbwallocmask**Description**

Current Band Width allocation mask setting

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6665 xb cursp10pinst**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6666 xb cursp11pinst**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6667 xb cursp7pinst**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6668 xb cursp8pinst**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6669 xb dacrddefinedw1af**Description**

Set if daughter card defined bit (OIP) (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6670 xb dacrddefinedw1bf**Description**

Set if daughter card defined bit (OIP) (word 1 before flush) APE ERROR ACCUMULAT

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if daughter card defined bit (OIP) (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6671 xb dacrddefinedw2af**Description**

Set if daughter card defined bit (OIP) (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6672 xb dacrddefinedw2bf**Description**

Set if daughter card defined bit (OIP) (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6673 xb dacdrdstw1af**Description**

Set if daughter card reset (OIP microprocessor) (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6674 xb dacdrdstw1bf**Description**

Set if daughter card reset (OIP microprocessor) (word 1 before flush) APE ERROR

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if daughter card reset (OIP microprocessor) (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6675 xb dacdrstw2af**Description**

Set if daughter card reset (OIP microprocessor) (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6676 xb dacdrstw2bf**Description**

Set if daughter card reset (OIP microprocessor) (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6677 xb endfill20021**Description**

Star Tracker 1 telemetry; pad

Data Type

3584 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 tlm (3949)

E.6678 xb endfill20088**Description**

Star Tracker 1 pointing mode - end fill

Data Type

3584 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 pointing_md (3944)

E.6679 xb epmischws**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6680 xb epmischwss**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6681 xb epmisclws**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6682 xb epmisclwss**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6683 xb epmiscpid**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6684 xb epmiscpl**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6685 xb epmiscsct**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6686 xb epmiscsflg**Description**

EPS Fast Telemetry Message from APE; packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6687 xb epsfsthws**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6688 xb epsfsthwss**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6689 xb epsfstlws**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6690 xb epsfstlwss**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6691 xb epsfstpid**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6692 xb epsfstpl**Description**

EPS Fast Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6693 xb epsfststct**Description**

EPS Fast Telemetry Message from APE; header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6694 xb epsfststflg**Description**

EPS Fast Telemetry Message from APE; header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6695 xb epsslwhws**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsslw_tlm (3907)

E.6696 xb epsslwhwss**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6697 xb epsslwlws**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6698 xb epsslwlwss**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6699 xb epsslwpid**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6700 xb epsslwpl**Description**

EPS Slow Telemetry Message from APE; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6701 xb epsslwsct**Description**

EPS Slow Telemetry Message from APE; header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6702 xb epsslwsflg**Description**

EPS Slow Telemetry Message from APE; header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6703 xb f1outoflckw1af**Description**

Set if major frame (F1) out of lock with 1553 (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6704 xb f1outoflckw1bf**Description**

Set if major frame (F1) out of lock with 1553 (word 1 before flush) APE ERROR AC

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if major frame (F1) out of lock with 1553 (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6705 xb f1outoflckw2af**Description**

Set if major frame (F1) out of lock with 1553 (word 2 after flush)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
LOCK	0	GOOD
SEARCH	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6706 xb f1outoflckw2bf**Description**

Set if major frame (F1) out of lock with 1553 (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6707 xb f1period**Description**

Number of F2 counts before F1 is propagated to backplane

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6708 xb f1phaseacc****Description**

Minor frame phase accumulation

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6709 xb f2outoflckw1af****Description**

Set if minor frame (F2) out of lock with 1553 (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6710 xb f2outoflckw1bf****Description**

Set if minor frame (F2) out of lock with 1553 (word 1 before flush) APE ERROR AC

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if minor frame (F2) out of lock with 1553 (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets**xb lot0pkt** (3912)**E.6711 xb f2outoflckw2af****Description**

Set if minor frame (F2) out of lock with 1553 (word 2 after flush)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
LOCK	0	GOOD
SEARCH	1	CAUTION

Telemetry Source Packets**xb lot0pkt** (3912)**E.6712 xb f2outoflckw2bf****Description**

Set if minor frame (F2) out of lock with 1553 (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6713 xb f2period****Description**

Count of 8kHz clocks before F2 pulsed on backplane

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6714 xb fill1**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6715 xb fill2**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6716 xb flushnotemptw1af**Description**

Set if FIFO is flush)ed when not empty (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6717 xb flushnotemptw1bf**Description**

Set if FIFO is flush)ed when not empty (word 1 before flush) APE ERROR ACCUMULAT

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if FIFO is flush)ed when not empty (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6718 xb flushnotemptw2af**Description**

Set if FIFO is flush)ed when not empty (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6719 xb flushnotemptw2bf**Description**

Set if FIFO is flush)ed when not empty (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6720 xb freqdiff2khz**Description**

Difference in frequency between internal PLL and external 2kHz source

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6721 xb fstpkthdrid**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6722 xb fstpkthdrln**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6723 xb fstpkthdrsct**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6724 xb fstpkthdrsflg**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6725 xb fstlmhdrhws**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6726 xb fsttlmhdlws**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6727 xb fsttmhdrsubhws**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6728 xb fsttmhdrsublws**Description**

XB AC Fast Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6729 xb hashortcycl**Description**

Set if OIP in short cycle telemetry acquisition

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Fast	0	GOOD
Slow	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6730 xb hbshortcycl**Description**

Set if 1553 in short cycle telemetry acquisition

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Fast	0	GOOD
Slow	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6731 xb hcurcmdsourcea**Description**

Current/last command source

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MilStd1553B	0	GOOD
OIP	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6732 xb hcurtmrsourcea**Description**

Current/last telemetry request source

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MilStd1553B	0	GOOD
OIP	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6733 xb hdropout**Description**

Set when two internal 2kHz edges passed with no external 2kHz edge

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Observed	0	GOOD
Dropped	1	BAD

Telemetry Source Packets**xb lot0pkt** (3912)**E.6734 xb hf1outlckumask****Description**

Set if F2 not in sync (minor)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Sync	0	GOOD
NotSync	1	BAD

Telemetry Source Packets**xb lot0pkt** (3912)**E.6735 xb hf2outlckumask****Description**

Set if F1 not in sync (major)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Sync	0	GOOD
NotSync	1	BAD

Telemetry Source Packets**xb lot0pkt** (3912)

E.6736 xb hm2klck**Description**

Current mask setting - if set out of lock will not cause subsystem fail

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Safe	0	GOOD
NoAction	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6737 xb hmf1lck**Description**

Current mask setting - if set out of lock will not cause subsys fail error

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
KeyError	0	GOOD
NoAction	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6738 xb hmf2lck**Description**

Current mask setting - if set out of lock will not cause subsys fail error

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
KeyError	0	GOOD
NoAction	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6739 xb hpulsecmdact**Description**

Set if invoking a pulse command would cause overrun error

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Okay	0	GOOD
Overrun	1	BAD

Telemetry Source Packets

xb lot0pkt (3912)

E.6740 xb hslwmd**Description**

1 indicates operation in slow; small jitter acquisition mode; 0 indicates operat

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
ModJitterFast	0	GOOD
SmallJitterSlow	1	CAUTION

Discussion

1 indicates operation in slow; small jitter acquisition mode; 0 indicates operate in moderate jitter fast acquisition mode (nominal for 90 sec major frame sync)

Telemetry Source Packets

xb lot0pkt (3912)

E.6741 xb htmbusb**Description**

Current time bus selected to source the external 2kHz clock

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
A	0	GOOD
B	1	BAD

Telemetry Source Packets

xb lot0pkt (3912)

E.6742 xb hupdiscn**Description**

When set OIP is disconnected from controller (SA27 access still valid)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Connected	0	GOOD
Disconnected	1	BAD

Telemetry Source Packets

xb lot0pkt (3912)

E.6743 xb ilbridgecmd**Description**

When low; commands fetched from 1553 path are bridged to OIP

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
True	0	GOOD
False	1	CAUTION

Telemetry Source Packets

xb lot0pkt (3912)

E.6744 xb ilbridgetlm**Description**

When low; TMRs fetched from 1553 path are bridged to OIP

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
TMR_Bridged	0	BAD
TMR_NotBridged	1	GOOD

Telemetry Source Packets

xb lot0pkt (3912)

E.6745 xb ildiscfgwte**Description**

When low; 1553 writes to the F1 and F2 config registers are ignored

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Ignord1553toF1F2	0	GOOD
Accept1553toF1F2	1	BAD

Telemetry Source Packets

xb lot0pkt (3912)

E.6746 xb ildisrmtcmd**Description**

When low; 1553 commands are fetched but not executed

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NotExecuted	0	CAUTION
Executed	1	GOOD

Telemetry Source Packets

xb lot0pkt (3912)

E.6747 xb inhttpwpr**Description**

Instrument HEATER Power, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6748 xb inhttpwr****Description**

Instrument HEATER Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6749 xb iru12pwr****Description**

IRU-1 and IRU-2 Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6750 xb iru1pwpr**Description**

IRU-1 Power, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6751 xb iru2pwpr**Description**

IRU-2 Power, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6752 xb iruatmpcal**Description**

XB AC Slow Tlm Msg from APE; iru a temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6753 xb iruatmpgain**Description**

XB AC Slow Tlm Msg from APE; iru a temp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6754 xb iruatmpmag**Description**

XB AC Slow Tlm Msg from APE; iru a temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6755 xb iruawheelcurcal****Description**

XB AC Slow Tlm Msg from APE; iru a wheel cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6756 xb iruawheelcurgain****Description**

XB AC Slow Tlm Msg from APE; iru a wheel gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6757 xb iruawheelcurmag****Description**

XB AC Slow Tlm Msg from APE; iru a wheel magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.25
yellow high	1.75
yellow low	0.850000023841858
red low	0.699999988079071
delta	<i>none</i>

Discussion

Values of up to 9 V are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6758 xb iruax**Description**

XB AC Fast Tlm Msg from APE; IRU A X axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6759 xb iruay**Description**

XB AC Fast Tlm Msg from APE; IRU A Y axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6760 xb irubtmpcal**Description**

XB AC Slow Tlm Msg from APE; iru b temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6761 xb irubtmpgain**Description**

XB AC Slow Tlm Msg from APE; iru b temp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6762 xb irubtmpmag**Description**

XB AC Slow Tlm Msg from APE; iru b temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6763 xb irubwheelcurcal**Description**

XB AC Slow Tlm Msg from APE; iru b wheel cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6764 xb irubwheelcurgain**Description**

XB AC Slow Tlm Msg from APE; iru b wheel gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6765 xb irubwheelcurmag****Description**

XB AC Slow Tlm Msg from APE; iru b wheel magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.25
yellow high	1.75
yellow low	0.850000023841858
red low	0.699999988079071
delta	<i>none</i>

Discussion

Values of up to 9 V are ok for the first 14 sec after IRU poweron as the IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6766 xb irubx****Description**

XB AC Fast Tlm Msg from APE; IRU B X axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6767 xb iruby**Description**

XB AC Fast Tlm Msg from APE; IRU B Y axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6768 xb iructmpcal**Description**

XB AC Slow Tlm Msg from APE; iru c temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6769 xb iructmpgain**Description**

XB AC Slow Tlm Msg from APE; iru c temp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6770 xb iructmpmag**Description**

XB AC Slow Tlm Msg from APE; iru c temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6771 xb irucwheelcurcal**Description**

XB AC Slow Tlm Msg from APE; iru c wheel cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6772 xb irucwheelcurgain****Description**

XB AC Slow Tlm Msg from APE; iru c wheel gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6773 xb irucwheelcurmag****Description**

XB AC Slow Tlm Msg from APE; iru c wheel magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.25
yellow high	1.75
yellow low	0.850000023841858
red low	0.699999988079071
delta	<i>none</i>

Discussion

Values of up to 9 V are ok for the first 14 sec after IRU poweron as th IRU wheel spins up (this is a function of Vbus)

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6774 xb irucx**Description**

XB AC Fast Tlm Msg from APE; IRU C X axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6775 xb irucy**Description**

XB AC Fast Tlm Msg from APE; IRU C Y axis data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6776 xb ldcpstrap**Description**

Current state of daughtercard present signal (low is present)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Present	0	GOOD
NotPresent	1	BAD

Telemetry Source Packets

xb lot0pkt (3912)

E.6777 xb load_test**Description**

LOAD & TEST PLUG ENABLE

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6778 xb lvsep3**Description**

EPS Slow Telemetry Message from APE; LV Sep 3

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
Mated	0	CAUTION
Sep	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6779 xb mtbcurcmdxdir****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6780 xb mtbcurcmdxmag****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6781 xb mtbcurcmdxsubdd****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6782 xb mtbcurcmdydir**Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6783 xb mtbcurcmdymag**Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6784 xb mtbcurcmdysubdd**Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6785 xb mtbcurcmdzdir****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6786 xb mtbcurcmdzmag****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6787 xb mtbcurcmdzsubdd****Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)

E.6788 xb mtbcurxcal**Description**

XB AC Fast Telemetry Message from APE;mtb cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6789 xb mtbcurxgain**Description**

XB AC Fast Telemetry Message from APE; mtb gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6790 xb mtbcurxmag**Description**

XB AC Fast Telemetry Message from APE;mtb magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6791 xb mtbcurycal**Description**

XB AC Fast Telemetry Message from APE;mtb cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6792 xb mtbcurygain**Description**

XB AC Fast Telemetry Message from APE; mtb gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6793 xb mtbcurymag**Description**

XB AC Fast Telemetry Message from APE;mtb magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6794 xb mtbcurzcal**Description**

XB AC Fast Telemetry Message from APE;mtb cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6795 xb mtbcurzgain**Description**

XB AC Fast Telemetry Message from APE; mtb gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6796 xb mtbcurzmag**Description**

XB AC Fast Telemetry Message from APE;mtb magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6797 xb mtblinregxcal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6798 xb mtblinregxgain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6799 xb mtblinregxmag**Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-0.00999999977648258
red low	-0.00999999977648258
delta	<i>none</i>

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6800 xb mtblinregycal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6801 xb mtblinregygain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6802 xb mtblinregymag****Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-0.00999999977648258
red low	-0.00999999977648258
delta	<i>none</i>

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6803 xb mtblinregzcal****Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6804 xb mtblinregzgain****Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6805 xb mtblinregzmag****Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-0.00999999977648258
red low	-0.00999999977648258
delta	<i>none</i>

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6806 xb mtbtlmdisx****Description**

XB AC Fast Telemetry Message from APE; mtb disable x

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6807 xb mtbtlmdisy****Description**

XB AC Fast Telemetry Message from APE; mtb disable y

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6808 xb mtbtlmdisz****Description**

XB AC Fast Telemetry Message from APE; mtb disable z

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)

E.6809 xb mtbtlmenx**Description**

XB AC Fast Telemetry Message from APE; mtb disable x

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6810 xb mtbtlmeny**Description**

XB AC Fast Telemetry Message from APE; mtb disable y

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6811 xb mtbtlmenz**Description**

XB AC Fast Telemetry Message from APE; mtb disable z

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6812 xb mtbtlmnu**Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac fst tlm (3898)

E.6813 xb mtbtlmsepa**Description**

XB AC Fast Telemetry Message from APE; mtb sep a, Correspond to SEP 2 Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MATED	0	CAUTION
SEPARATED	1	GOOD

Telemetry Source Packets

xb ac fst tlm (3898)

E.6814 xb mtbtlmsepb**Description**

XB AC Fast Telemetry Message from APE; mtb sep b, Correspond to SEP 1 Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MATED	0	CAUTION
SEPARATED	1	GOOD

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6815 xb mtbtlmsubadd**Description**

XB AC Fast Telemetry Message from APE; mtb data

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6816 xb mtbtlmwdtmr**Description**

XB AC Fast Telemetry Message from APE; mtb watchdog timer

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
EXPIRED	0	BAD
COUNTING	1	GOOD

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6817 xb mtbxpwra**Description**

EPS Slow Telemetry Message from APE; MTB X Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6818 xb mtbypwra**Description**

EPS Slow Telemetry Message from APE; MTB Y Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6819 xb mtbzipwra**Description**

EPS Slow Telemetry Message from APE; MTB Z Power A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6820 xb nu**Description**

EPS Fast Telemetry Message from APE; not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6821 xb nuepsfst**Description**

EPS Fast Telemetry Message from APE; not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6822 xb obootimage**Description**

Current boot image select passed to OIP on last reset

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
EEPROM_0	0	GOOD
EEPROM_1	1	GOOD

Telemetry Source Packets

xb lot0pkt (3912)

E.6823 xb phaseerr2khz**Description**

Phase error at last received external 2kHz signal

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6824 xb phtrenbatoper**Description**

EPS Slow Telemetry Msg from APE; PRI HTR Ena Batt Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6825 xb phtrenstoper**Description**

EPS Slow Tlm Msg from APE; PRI HTR ENA ST Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6826 xb phtrensurvbatpre**Description**

EPS Slow Tlm Msg from APE; PRI HTR ENA; Batt & PRE Panel

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6827 xb phtrgcst1**Description**

EPS Slow Telemetry Message from APE; Pri HTR GC ST1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6828 xb pri1htrgcbat**Description**

EPS Slow Telemetry Message from APE; Pri1 Htr GC Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6829 xb pri2htrgcbat**Description**

EPS Slow Telemetry Message from APE; Pri2 Htr GC Battery

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6830 xb pulsecmdclkssel0****Description**

Current pulse command clock period select 0

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6831 xb pulsecmdclkssel1****Description**

Current pulse command clock period select 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6832 xb pulsecmdorunw1af****Description**

Set if pulse command will overrun buffer (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)

E.6833 xb pulsecmdorunw1bf**Description**

Set if pulse command will overrun buffer (word 1 before flush) APE ERROR ACCUMUL

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if pulse command will overrun buffer (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.6834 xb pulsecmdorunw2af**Description**

Set if pulse command will overrun buffer (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6835 xb pulsecmdorunw2bf**Description**

Set if pulse command will overrun buffer (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6836 xb pulsecmdtm**Description**

Pulse command time in operation

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6837 xb pwmcntrlmd**Description**

EPS Fast Telemetry Message from APE; pwm control mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
ENABLED	0	GOOD
DISABLED	1	GOOD

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6838 xb pwmdutycyclcmd**Description**

EPS Fast Telemetry Msg from APE; PWM Duty Cycle Cmd

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	86
yellow high	77
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6839 xb r1htrgcbat**Description**

EPS Slow Telemetry Message from APE; Redun1 HTR GC Batt

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6840 xb r2htrgcbat**Description**

EPS Slow Telemetry Message from APE; Redun2 HTR GC Batt

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6841 xb rawreadhws****Description**

Pkt header High seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb raw_read_tlm** (3915)**E.6842 xb rawreadhwss****Description**

Pkt header High sub-seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb raw_read_tlm** (3915)**E.6843 xb rawreadlws****Description**

Pkt header Low seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb raw_read_tlm** (3915)

E.6844 xb rawreadlwss**Description**

Pkt header low sub-seconds

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6845 xb rawreadpid**Description**

XB_SB_RAW_READ_SID (0x0940)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6846 xb rawreadpl**Description**

CCSDS pkt packet length

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6847 xb rawreadsct**Description**

CCSDS pkt sequence count

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6848 xb rawreadsflg**Description**

CCSDS pkt sequence flags

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6849 xb rawwds0**Description**

word 0 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6850 xb rawwds1**Description**

word 1 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6851 xb rawwds10**Description**

word 10 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6852 xb rawwds11**Description**

word 11 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6853 xb rawwds12**Description**

word 12 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6854 xb rawwds13**Description**

word 13 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6855 xb rawwds14**Description**

word 14 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6856 xb rawwds15**Description**

word 15 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6857 xb rawwds16**Description**

word 16 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6858 xb rawwds17**Description**

word 17 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6859 xb rawwds18**Description**

word 18 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6860 xb rawwds19**Description**

word 19 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6861 xb rawwds2**Description**

word 2 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6862 xb rawwds20**Description**

word 20 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6863 xb rawwds21**Description**

word 21 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6864 xb rawwds22**Description**

word 22 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6865 xb rawwds23**Description**

word 23 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6866 xb rawwds24**Description**

word 24 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6867 xb rawwds25**Description**

word 25 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6868 xb rawwds26**Description**

word 26 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6869 xb rawwds27**Description**

word 27 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6870 xb rawwds28**Description**

word 28 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6871 xb rawwds29**Description**

word 29 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6872 xb rawwds3**Description**

word 3 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6873 xb rawwds30**Description**

word 30 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6874 xb rawwds31**Description**

word 31 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6875 xb rawwds4**Description**

word 4 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6876 xb rawwds5**Description**

word 5 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6877 xb rawwds6**Description**

word 6 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6878 xb rawwds7**Description**

word 7 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6879 xb rawwds8**Description**

word 8 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6880 xb rawwds9**Description**

word 9 of the read data

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb raw_read_tlm (3915)

E.6881 xb rhtrenbatoper**Description**

EPS Slow Tlm Msg from APE; Redun HTR ENA Batt Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6882 xb rhtrenstoper**Description**

EPS Slow Tlm Msg from APE; Redun HTR ENA St Oper

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6883 xb rhtrgcst1**Description**

EPS Slow Telemetry Message from APE; Redun HTR GC ST1

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6884 xb rsttype**Description**

Reason for last reset

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6885 xb rwa1nu**Description**

XB AC Fast Telemetry Message from APE; rwa 1 not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6886 xb rwa1pwr**Description**

EPS Slow Telemetry Message from APE; RWA 1 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6887 xb rwa1spindir**Description**

XB AC Fast Telemetry Message from APE; rwa 1 spin direction

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6888 xb rwa1tmpcal****Description**

XB AC Slow Tlm Msg from APE; rwa1 temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6889 xb rwa1tmpgain****Description**

XB AC Slow Tlm Msg from APE; rwa1 temp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6890 xb rwa1tmpmag****Description**

XB AC Slow Tlm Msg from APE; rwa1 temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)

E.6891 xb rwa2nu**Description**

XB AC Fast Telemetry Message from APE; rwa 2 not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6892 xb rwa2pwr**Description**

EPS Slow Telemetry Message from APE; RWA 2 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb epsslw_tlm (3907)

E.6893 xb rwa2spindir**Description**

XB AC Fast Telemetry Message from APE; rwa 2 spin direction

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6894 xb rwa2tmpcal****Description**

XB AC Slow Tlm Msg from APE; rwa2 temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6895 xb rwa2tmpgain****Description**

XB AC Slow Tlm Msg from APE; rwa 2 tmp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6896 xb rwa2tmpmag****Description**

XB AC Slow Tlm Msg from APE; rwa2 temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)

E.6897 xb rwa3nu**Description**

XB AC Fast Telemetry Message from APE; rwa 3 not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6898 xb rwa3pwr**Description**

EPS Slow Telemetry Message from APE; RWA 3 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6899 xb rwa3spindir**Description**

XB AC Fast Telemetry Message from APE; rwa 3 spin direction

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acfst_tlm** (3898)**E.6900 xb rwa3tmpcal****Description**

XB AC Slow Tlm Msg from APE; rwa3 temp. cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6901 xb rwa3tmpgain****Description**

XB AC Slow Tlm Msg from APE; rwa 3 tmp. gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)**E.6902 xb rwa3tmpmag****Description**

XB AC Slow Tlm Msg from APE; rwa3 temp. magnitude

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb acslw_tlm** (3901)

E.6903 xb rwa4nu**Description**

XB AC Fast Telemetry Message from APE; rwa 4 not used

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6904 xb rwa4spindir**Description**

XB AC Fast Telemetry Message from APE; rwa 4 spin direction

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6905 xb rwacur1cal**Description**

XB AC Fast Telemetry Message from APE; RWA Current 1 Cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6906 xb rwacur1gain**Description**

XB AC Fast Telemetry Message from APE; RWA Current 1 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6907 xb rwacur1mag**Description**

XB AC Fast Tlm Msg from APE; RWA Current 1 Magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb acfst_tlm (3898)

E.6908 xb rwacur2cal**Description**

XB AC Fast Telemetry Message from APE; RWA Current 2 Cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6909 xb rwacur2gain**Description**

XB AC Fast Telemetry Message from APE; RWA Current 2 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6910 xb rwacur2mag**Description**

XB AC Fast Tlm Msg from APE; RWA Current 2 Magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb ac.fst.tlm** (3898)**E.6911 xb rwacur3cal****Description**

XB AC Fast Telemetry Message from APE; RWA Current 3 Cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac.fst.tlm** (3898)**E.6912 xb rwacur3gain****Description**

XB AC Fast Telemetry Message from APE; RWA Current 3 gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac.fst.tlm** (3898)

E.6913 xb rwacur3mag**Description**

XB AC Fast Tlm Msg from APE; RWA Current 3 Magnitude

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb ac.fst.tlm (3898)

E.6914 xb rwacv1cal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac.slw.tlm (3901)

E.6915 xb rwacv1gain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6916 xb rwacv1mag**Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.70000004768372
yellow high	2.59999990463257
yellow low	2.49000000953674
red low	2.40000009536743
delta	<i>none</i>

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6917 xb rwacv2cal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6918 xb rwacv2gain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6919 xb rwacv2mag**Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.70000004768372
yellow high	2.59999990463257
yellow low	2.49000000953674
red low	2.40000009536743
delta	<i>none</i>

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6920 xb rwacv3cal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6921 xb rwacv3gain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6922 xb rwacv3mag****Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	2.70000004768372
yellow high	2.59999990463257
yellow low	2.49000000953674
red low	2.40000009536743
delta	<i>none</i>

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.6923 xb rwalvsepstata****Description**

Correspond to SEP 1 Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MATED	0	CAUTION
SEPARATED	1	GOOD

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6924 xb rwalvsepstatb**Description**

Correspond to SEP 2 Status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
MATED	0	CAUTION
SEPARATED	1	GOOD

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6925 xb rwanu**Description****Data Type**

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6926 xb rwatach1accum**Description**

XB AC Fast Telemetry Message from APE; RWA Tach 1 accum

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6927 xb rwatach1whlid**Description**

XB AC Fast Tlm Msg from APE; RWA Tach 1; wheel id

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6928 xb rwatach2accum**Description**

XB AC Fast Telemetry Message from APE; RWA Tach 2 accum

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6929 xb rwatach2whlid**Description**

XB AC Fast Tlm Msg from APE; RWA Tach 2; wheel id

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6930 xb rwatach3accum**Description**

XB AC Fast Telemetry Message from APE; RWA Tach 2 accum

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6931 xb rwatach3whlid**Description**

XB AC Fast Tlm Msg from APE; RWA Tach 3; wheel id

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.6932 xb rwatcmd1dir**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6933 xb rwatcmd1mag**Description****Data Type**

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6934 xb rwatcmd1subadd**Description****Data Type**

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6935 xb rwatcmd2dir**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6936 xb rwatcmd2mag**Description****Data Type**

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6937 xb rwatcmd2subadd**Description****Data Type**

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6938 xb rwatcmd3dir**Description****Data Type**

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6939 xb rwatcmd3mag**Description****Data Type**

11 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6940 xb rwatcmd3subadd**Description****Data Type**

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6941 xb rwaxpwr**Description**

RWA-X Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6942 xb rwaypwr**Description**

RWA-Y Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6943 xb rwazopht**Description**

RWA-Z OPERATIONAL HEATER

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6944 xb rwazpwr**Description**

RWA-Z Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6945 xb rx_20V_mon**Description**

Rx 20v Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	57.7529296875
c1	-0.0282134488224983
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	21
yellow high	20.5
yellow low	19.5
red low	19
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6946 xb rx_cr_lock**Description**

Rx Carrier Lock

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00999999977648258
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6947 xb rx_demod_lock**Description**

Rx Demod Lock

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00999999977648258
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6948 xb rxaagc**Description**

EPS Fast Telemetry Message from APE; RCV A AGC - Uplink Signal Strength At the D

Data Type

12 bits, unsigned integer, engineering units = DBM.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_7D
start	0
stop	0
c0	2.10479998588562
c1	0.0164000000804663
c2	-5.99999984842725e-05
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	-30
yellow high	-50
yellow low	-115
red low	-122
delta	<i>none</i>

Discussion

EPS Fast Telemetry Message from APE; RCV A AGC - Uplink Signal Strength At the Diplexer

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6949 xb rxloopstress**Description**

EPS Fast Telemetry Message from APE; RCV A Loop Stress - Offset Frequency from n

Data Type

12 bits, unsigned integer, engineering units = khz.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	715.789978027344
c1	-0.459500014781952
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	140
yellow high	100
yellow low	-100
red low	-140
delta	<i>none</i>

Discussion

EPS Fast Telemetry Message from APE; RCV A Loop Stress - Offset Frequency from nominal (2093.5146 MHz)

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.6950 xb sa27mdbaseadr**Description****Data Type**

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6951 xb sa27mempntr**Description****Data Type**

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6952 xb sadppwenpr**Description**

Solar Array Deployment Power ENABLE, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6953 xb sadppwenrd**Description**

Solar Array Deployment Power ENABLE, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6954 xb safulldepstat**Description**

S/A Full deploy Stat

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6955 xb sapnnx_nxnydppr**Description**

SA Panels -X and -X-Y Deployment PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6956 xb sapnnx_nxnydprd**Description**

SA Panels -X and -X-Y Deployment REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6957 xb sapnnxpydppr**Description**

SA Panels -X+Y PRIMARY Deployment

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6958 xb sapnnxpydprd**Description**

SA Panels -X+Y REDUNDANT Deployment

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6959 xb sapnpxdppr_cant****Description**

SA Panels +X PRIMARY Deployment (Cant)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6960 xb sapnpxdprd_cant****Description**

SA Panels +X REDUNDANT Deployment (Cant)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6961 xb sapnpxpypxnydppr**Description**

SA Panels +X+Y and +X-Y Deployment PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6962 xb sapnpxpypxnydprd**Description**

SA Panels +X+Y and +X-Y Deployment REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6963 xb sappparmseta**Description**

SA HDRM Set A Armed (Previously in SORCE it was Arm (enable) for set A (primary

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7.5
yellow high	7.5
yellow low	2
red low	2
delta	<i>none</i>

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6964 xb sapppparmsetb**Description**

SA HDRM Set B Armed (Previously in SORCE it was Arm (enable) for set B (secondar

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325010299683
c1	-0.0049987998791039
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7.5
yellow high	7.5
yellow low	2
red low	2
delta	<i>none</i>

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6965 xb shnt1dcstat**Description**

EPS Fast Telemetry Message from APE; shunt dc 1 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6966 xb shnt2dcstat**Description**

EPS Fast Telemetry Message from APE; shunt dc 2 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6967 xb shnt2pwmmd**Description**

EPS Fast Telemetry Message from APE; shunt 2 pwm mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6968 xb shnt3dcstat**Description**

EPS Fast Telemetry Message from APE; shunt dc 3 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6969 xb shnt4dcstat**Description**

EPS Fast Telemetry Message from APE; shunt dc 4 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.6970 xb shnt4pwmmmd**Description**

EPS Fast Telemetry Message from APE; shunt 4 pwm mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets**xb eps_fst_tlm** (3903)**E.6971 xb shnt5dcstat****Description**

EPS Fast Telemetry Message from APE; shunt dc 5 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_fst_tlm** (3903)**E.6972 xb shnt6dcstat****Description**

EPS Fast Telemetry Message from APE; shunt dc 6 status

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	BAD

Telemetry Source Packets**xb eps_fst_tlm** (3903)

E.6973 xb shnt6pwmmmd**Description**

EPS Fast Telemetry Message from APE; shunt 6 pwm mode

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_IN	0	GOOD
IN	1	GOOD

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6974 xb shntwrddid1**Description**

EPS Fast Telemetry Message from APE; Shunt word ID

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.6975 xb shntwrddid2**Description**

EPS Fast Telemetry Message from APE; Shunt word ID

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb epsfst_tlm** (3903)**E.6976 xb slot0pid****Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6977 xb slot0pkthiwdsecs****Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.6978 xb slot0pkthwss****Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)

E.6979 xb slot0pktlowdsecs**Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6980 xb slot0pktlwss**Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6981 xb slot0pktsct**Description**

XB slot 0 packet sequence counter

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6982 xb slot0pktsflg**Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6983 xb slot0pl**Description**

XB Slot 0 Tlm (APE Controller stat and SA29 Error Acc); header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.6984 xb slrarcu**Description**

Current at solar array - counts to amps

Data Type

12 bits, unsigned integer, engineering units = A.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	30
yellow high	30
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb epsfstlm (3903)

E.6985 xb slraroptcur**Description**

Solar array current to bus - counts to amps.

Data Type

12 bits, unsigned integer, engineering units = A.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	28
yellow high	28
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6986 xb slrarshntcur**Description**

Shunted solar array current from counts to amps.

Data Type

12 bits, unsigned integer, engineering units = A.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	49.1167984008789
c1	-0.0239944998174906
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	26
yellow high	26
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6987 xb slwpkthdrid**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6988 xb slwpkthdrln**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6989 xb slwpkthdrsct**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6990 xb slwpkthdrsflg**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6991 xb slwtlmhdrhws**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6992 xb slwtlmhdrlws**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6993 xb slwtmhdrsubhws**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6994 xb slwtmhdrsublws**Description**

XB AC Slow Telemetry Message from APE; packet header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.6995 xb sofiecvpwenpr**Description**

SOFIE Cover Power ENABLE, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6996 xb sofiecvpwenrd****Description**

SOFIE Cover Power ENABLE, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.6997 xb sofieel_inpwpr****Description**

SOFIE Electronics and Instrument Power, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.6998 xb sofieel_inpwr**Description**

SOFIE Electronics and Instrument Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.6999 xb sp1xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_fst_tlm (3903)

E.7000 xb sp2xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb epsfst_tlm** (3903)**E.7001 xb sp3xbepst****Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb epsfst_tlm** (3903)**E.7002 xb sp4xbepst****Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb epsfst_tlm** (3903)**E.7003 xb sp5xbepst****Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb epsfst_tlm** (3903)

E.7004 xb sp6xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.7005 xb sp7xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.7006 xb sp8xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.7007 xb sp9xbepsfst**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.7008 xb spepmisc1**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsmisc_tlm (3905)

E.7009 xb spepmisc15**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsmisc_tlm (3905)

E.7010 xb spepmisc16**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7011 xb spepmisc2**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7012 xb spepmisc20**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7013 xb spepmisc21**Description**

*sparre

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7014 xb spepmisc22**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7015 xb spepmisc23**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7016 xb spepmisc24**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7017 xb spepmisc25**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7018 xb spepmisc26**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7019 xb spepmisc27**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7020 xb spepmisc28**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7021 xb spepmisc29**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7022 xb spepmisc3**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7023 xb spepmisc30**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7024 xb spepmisc31**Description**

*spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7025 xb spepmisc4**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7026 xb spepmisc5**Description**

EPS Fast Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7027 xb spepslo1**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7028 xb spepslo10**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7029 xb spepslo11**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7030 xb spepslo12**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7031 xb spepslo13**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7032 xb spepslo14**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7033 xb spepslo2**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7034 xb spepslo3**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7035 xb spepslo4**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7036 xb spepslo5**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7037 xb spepslo6**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7038 xb spepslo7**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7039 xb spepslo8**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7040 xb spepslo9**Description**

EPS Slow Telemetry Message from APE; spare

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7041 xb stpwrđ**Description**

STAR TRACKER Power, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7042 xb strtfill20088**Description**

Star Tracker 1 pointing mode - start fill

Data Type

368 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 pointing_md** (3944)**E.7043 xb strtfill20089****Description**

Star Tracker 1 Auto Track telemetry: pad

Data Type

368 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 trk_tlm** (3951)**E.7044 xb strtfill20090****Description**

pad

Data Type

368 bits, fill, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 aq_tlm** (3917)**E.7045 xb tamafieldxcal****Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.ac.slw_tlm** (3901)

E.7046 xb tamafieldxgain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7047 xb tamafieldxmag**Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.00499999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7048 xb tamafieldycal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7049 xb tamafieldygain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7050 xb tamafieldymag**Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.00499999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7051 xb tamafieldzcal**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb ac_slw_tlm (3901)

E.7052 xb tamafieldzgain**Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.7053 xb tamafieldzmag****Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.00499999988824129
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	10
yellow high	10
yellow low	-10
red low	-10
delta	<i>none</i>

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.7054 xb tamatmpcal****Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.7055 xb tamatmpgain****Description****Data Type**

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.7056 xb tamatmpmag****Description****Data Type**

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	5.11625003814697
c1	-0.00249939993955195
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5
yellow high	5
yellow low	0
red low	0
delta	<i>none</i>

Telemetry Source Packets**xb ac_slw_tlm** (3901)**E.7057 xb tcvropht_a****Description**

Transceiver Ops HEATER A

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.7058 xb tcvropht_b****Description**

Transceiver Ops HEATER B

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.7059 xb tcvrrwazophtpwen**Description**

Transceiver and RWA-Z OPERATIONAL HEATER Power ENABLE

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7060 xb tcvrstrwazsuhtpw**Description**

Transceiver, STAR TRACKER and RWA-Z Survival HEATER Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7061 xb tlmfechoffw1af**Description**

Set if telemetry fetch turned off (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7062 xb tlmfechoffw1bf**Description**

Set if telemetry fetch turned off (word 1 before flush) APE ERROR ACCUMULATOR

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7063 xb tlmfechoffw2af**Description**

Set if telemetry fetch turned off (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7064 xb tlmfechoffw2bf**Description**

Set if telemetry fetch turned off (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.7065 xb tlmreq1553ct****Description**

Count of telemetry requests received from the 1553 interface since last clear

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.7066 xb tlmreqoipct****Description**

Count of telemetry requests received from the OIP since last clear

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)**E.7067 xb tmdfforunw1af****Description**

Set if telemetry data FIFO overrun occurs (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb lot0pkt** (3912)

E.7068 xb tmdfforunw1bf**Description**

Set if telemetry data FIFO overrun occurs (word 1 before flush) APE ERROR ACCUMU

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if telemetry data FIFO overrun occurs (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.7069 xb tmdfforunw2af**Description**

Set if telemetry data FIFO overrun occurs (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7070 xb tmdfforunw2bf**Description**

Set if telemetry data FIFO overrun occurs (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7071 xb tmdffunrunw1af**Description**

Set if telemetry data FIFO underrun occurs (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7072 xb tmdffunrunw1bf**Description**

Set if telemetry data FIFO underrun occurs (word 1 before flush) APE ERROR ACCUM

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if telemetry data FIFO underrun occurs (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.7073 xb tmdffunrunw2af**Description**

Set if telemetry data FIFO underrun occurs (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7074 xb tmdffunrunw2bf**Description**

Set if telemetry data FIFO underrun occurs (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7075 xb tmrfforunw1af**Description**

Set if telemetry request FIFO overrun occurs (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7076 xb tmrfforunw1bf**Description**

Set if telemetry request FIFO overrun occurs (word 1 before flush) APE ERROR ACC

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if telemetry request FIFO overrun occurs (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.7077 xb tmrfforunw2af**Description**

Set if telemetry request FIFO overrun occurs (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7078 xb tmrfforunw2bf**Description**

Set if telemetry request FIFO overrun occurs (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7079 xb tx_12V_conv_mon**Description**

Tx 12v Converter Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	50.3439064025879
c1	-0.0245939940214157
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	12.5
yellow high	12.1999998092651
yellow low	11.8000001907349
red low	11.5
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7080 xb tx_dir_mod_st**Description**

Tx Direct Mod ON/OFF Stat

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00100000004749745
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7081 xb tx_hilo_rate_st**Description**

Tx High/Low Rate Stat

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00100000004749745
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7082 xb tx_on_off_st**Description**

Tx ON/OFF Stat

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	10.2325000762939
c1	-0.0049979998730123
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.25
yellow high	5.09999990463257
yellow low	0.00100000004749745
red low	-0.300000011920929
delta	<i>none</i>

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7083 xb txarfpwr**Description**

EPS Fast Telemetry Message from APE; TX A RF Power - Downlink RF Power at the Di

Data Type

12 bits, unsigned integer, engineering units = W.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	23.5370006561279
c1	-0.021999998807907
c2	7.00000009601354e-06
c3	-8.00000010681146e-10
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	7
yellow high	6.5
yellow low	5.5
red low	3
delta	<i>none</i>

Discussion

EPS Fast Telemetry Message from APE; TX A RF Power - Downlink RF Power at the Diplexer

Telemetry Source Packets

xb eps_misc_tlm (3905)

E.7084 xb txavoltmon**Description**

EPS Fast Telemetry Message from APE; TX A 20 V Voltage Mon

Data Type

12 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	50.3439064025879
c1	-0.0245939940214157
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	21
yellow high	20.5
yellow low	19.5
red low	19
delta	<i>none</i>

Telemetry Source Packets**xb eps_misc_tlm** (3905)**E.7085 xb txcdoff****Description**

TRANSMITTER Command OFF

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.7086 xb txcdonpr**Description**

TRANSMITTER Command ON, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7087 xb txcdonrd**Description**

TRANSMITTER Command On, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7088 xb txpwpr**Description**

TRANSMITTER Power PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7089 xb txpwr**Description**

TRANSMITTER Power REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets

xb eps_slw_tlm (3907)

E.7090 xb txrtcdhgpr**Description**

TRANSMITTER Rate Command high, PRIMARY

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.7091 xb txrtcdhgrd****Description**

TRANSMITTER Rate Command High, REDUNDANT

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)**E.7092 xb txrtcdlw****Description**

TRANSMITTER Rate Command LOW

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DISABLED	0	GOOD
ENABLED	1	GOOD

Telemetry Source Packets**xb eps_slw_tlm** (3907)

E.7093 xb unusedepsfst**Description**

EPS Fast Telemetry Message from APE; unused

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb epsfst_tlm (3903)

E.7094 xb updiscninvw1af**Description**

Set if microprocessor disconnect pulse invoked (word 1 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7095 xb updiscninvw1bf**Description**

Set if microprocessor disconnect pulse invoked (word 1 before flush) APE ERROR A

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Set if microprocessor disconnect pulse invoked (word 1 before flush) APE ERROR ACCUMULATOR

Telemetry Source Packets

xb lot0pkt (3912)

E.7096 xb updiscninvw2af**Description**

Set if microprocessor disconnect pulse invoked (word 2 after flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7097 xb updiscninvw2bf**Description**

Set if microprocessor disconnect pulse invoked (word 2 before flush)

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb lot0pkt (3912)

E.7098 xb_st1 afrmcntnumsa13**Description**

Star Tracker 1 frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7099 xb_st1 afrmcntnumsa14**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7100 xb_st1 afrmcntnumsa15**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7101 xb_st1 afrmcntnumsa16**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7102 xb_st1 afrmcntnumsa17**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7103 xb_st1 afrmcntnumsa18**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7104 xb_st1 afrmcntnumsa19**Description**

Star Tracker 1 Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7105 xb_st1 afrmcntvlds13**Description**

Star Tracker 1 frame count valid flag

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7106 xb_st1 afrmcntvlds14**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7107 xb_st1 afrmcntvlds15**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7108 xb_st1 afrmcntvlds16**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7109 xb_st1 afrmcntvlds17**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7110 xb_st1 afrmcntvlds18****Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7111 xb_st1 afrmcntvlds19****Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)

E.7112 xb_st1 aqabercrcct**Description**

Star Tracker 1 Aberration correction

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7113 xb_st1 aqact2pad1padb0**Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7114 xb_st1 aqact2pad1padb1**Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm_action2** (3924)**E.7115 xb_st1 aqact2pad1padb2****Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm_action2** (3924)**E.7116 xb_st1 aqact2pad1padb3****Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm_action2** (3924)**E.7117 xb_st1 aqact2pad1padb4****Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm_action2** (3924)

E.7118 xb_st1 aqact2pad1padb5**Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7119 xb_st1 aqact2pad1padb6**Description**

Star Tracker 1 telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7120 xb_st1 aqact2pad2padb0**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7121 xb_st1 aqaqt2pad2padb1**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7122 xb_st1 aqaqt2pad2padb2**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7123 xb_st1 aqaqt2pad2padb3**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7124 xb_st1 aqact2pad2padb4**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7125 xb_st1 aqact2pad2padb5**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7126 xb_st1 aqact2pad2padb6**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7127 xb_st1 aqact2pad2padb7**Description**

Star Tracker 1 telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7128 xb_st1 aqaritherrangvel**Description**

Star Tracker 1 Arithmetic error of angular velocity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7129 xb_st1 aqattnumfault**Description**

Star Tracker 1 Numeric problem on attitude processing

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7130 xb_st1 aqattqualfault****Description**

Star Tracker 1 Incoherent quality index of attitude

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7131 xb_st1 aqconstlrg****Description**

Star Tracker 1 Max number of constellations is too large

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 aq.tlm** (3917)

E.7132 xb_st1 aqendaag**Description**

Star Tracker 1 End of autonomous acquisition

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7133 xb_st1 aqesvelvec**Description**

Star Tracker 1 Earth/Sun velocity vector

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7134 xb_st1 aqexp10pstr**Description**

Star Tracker 1 Star 10 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7135 xb_st1 aqexp10refstr**Description**

Star Tracker 1 Star 10 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7136 xb_st1 aqexp10sposstr**Description**

Star Tracker 1 Star 10 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7137 xb_st1 aqexp10stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7138 xb_st1 aqexp11pstr****Description**

Star Tracker 1 Star 11 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7139 xb_st1 aqexp11refstr****Description**

Star Tracker 1 Star 11 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7140 xb_st1 aqexp11sposstr****Description**

Star Tracker 1 Star 11 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)

E.7141 xb_st1 aqexp11stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7142 xb_st1 aqexp12pstr**Description**

Star Tracker 1 Star 12 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7143 xb_st1 aqexp12refstr**Description**

Star Tracker 1 Star 12 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7144 xb_st1 aqexp12sposstr**Description**

Star Tracker 1 Star 12 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7145 xb_st1 aqexp12stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7146 xb_st1 aqexp13pstr**Description**

Star Tracker 1 Star 13 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7147 xb_st1 aqexp13refstr**Description**

Star Tracker 1 Star 13 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7148 xb_st1 aqexp13sposstr**Description**

Star Tracker 1 Star 13 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7149 xb_st1 aqexp13stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7150 xb_st1 aqexp14pstr**Description**

Star Tracker 1 Star 14 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7151 xb_st1 aqexp14refstr**Description**

Star Tracker 1 Star 14 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7152 xb_st1 aqexp14sposstr**Description**

Star Tracker 1 Star 14 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7153 xb_st1 aqexp14stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7154 xb_st1 aqexp15pstr**Description**

Star Tracker 1 Star 15 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7155 xb_st1 aqexp15refstr**Description**

Star Tracker 1 Star 15 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7156 xb_st1 aqexp15sposstr**Description**

Star Tracker 1 Star 15 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7157 xb_st1 aqexp15stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7158 xb_st1 aqexp16pstr**Description**

Star Tracker 1 Star 16 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7159 xb_st1 aqexp16refstr**Description**

Star Tracker 1 Star 16 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7160 xb_st1 aqexp16sposstr**Description**

Star Tracker 1 Star 16 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7161 xb_st1 aqexp16stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7162 xb_st1 aqexp17pstr**Description**

Star Tracker 1 Star 17 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7163 xb_st1 aqexp17refstr**Description**

Star Tracker 1 Star 17 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7164 xb_st1 aqexp17sposstr**Description**

Star Tracker 1 Star 17 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7165 xb_st1 aqexp17stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7166 xb_st1 aqexp1pstr**Description**

Star Tracker 1 Star 1 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7167 xb_st1 aqexp1refstr**Description**

Star Tracker 1 Star 1 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7168 xb_st1 aqexp1sposstr**Description**

Star Tracker 1 Star 1 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7169 xb_st1 aqexp1stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7170 xb_st1 aqexp2pstr**Description**

Star Tracker 1 Star 2 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7171 xb_st1 aqexp2refstr**Description**

Star Tracker 1 Star 2 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7172 xb_st1 aqexp2sposstr**Description**

Star Tracker 1 Star 2 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7173 xb_st1 aqexp2stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7174 xb_st1 aqexp3pstr**Description**

Star Tracker 1 Star 3 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7175 xb_st1 aqexp3refstr**Description**

Star Tracker 1 Star 3 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7176 xb_st1 aqexp3sposstr**Description**

Star Tracker 1 Star 3 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7177 xb_st1 aqexp3stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7178 xb_st1 aqexp4pstr**Description**

Star Tracker 1 Star 4 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7179 xb_st1 aqexp4refstr**Description**

Star Tracker 1 Star 4 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7180 xb_st1 aqexp4sposstr**Description**

Star Tracker 1 Star 4 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7181 xb_st1 aqexp4stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7182 xb_st1 aqexp5pstr**Description**

Star Tracker 1 Star 5 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7183 xb_st1 aqexp5refstr**Description**

Star Tracker 1 Star 5 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7184 xb_st1 aqexp5sposstr**Description**

Star Tracker 1 Star 5 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7185 xb_st1 aqexp5stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7186 xb_st1 aqexp6pstr**Description**

Star Tracker 1 Star 6 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7187 xb_st1 aqexp6refstr**Description**

Star Tracker 1 Star 6 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7188 xb_st1 aqexp6sposstr**Description**

Star Tracker 1 Star 6 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7189 xb_st1 aqexp6stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7190 xb_st1 aqexp7pstr**Description**

Star Tracker 1 Star 7 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7191 xb_st1 aqexp7refstr**Description**

Star Tracker 1 Star 7 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7192 xb_st1 aqexp7sposstr**Description**

Star Tracker 1 Star 7 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7193 xb_st1 aqexp7stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7194 xb_st1 aqexp8pstr**Description**

Star Tracker 1 Star 8 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7195 xb_st1 aqexp8refstr**Description**

Star Tracker 1 Star 8 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7196 xb_st1 aqexp8sposstr**Description**

Star Tracker 1 Star 8 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7197 xb_st1 aqexp8stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7198 xb_st1 aqexp9pstr**Description**

Star Tracker 1 Star 9 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7199 xb_st1 aqexp9refstr**Description**

Star Tracker 1 Star 9 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7200 xb_st1 aqexp9sposstr**Description**

Star Tracker 1 Star 9 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7201 xb_st1 aqexp9stcat**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7202 xb_st1 aqfalsestr**Description**

Star Tracker 1 False star pattern recognition

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7203 xb_st1 aqiqwxym**Description**

Star Tracker 1 Quality index of angular velocity about X-Y STR axis

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7204 xb_st1 aqiqxym****Description**

Star Tracker 1 Quality index of the attitude about X-Y STR axis

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7205 xb_st1 aqiqzm****Description**

Star Tracker 1 Quality index of the attitude about Z STR axis

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7206 xb_st1 aqjulprop****Description**

Star Tracker 1 Julian date propagation

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7207 xb_st1 aqmagnes1**Description**

Star Tracker 1 Star 1 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7208 xb_st1 aqmagnes10**Description**

Star Tracker 1 Star 10 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)****E.7209 xb_st1 aqmagmes11****Description**

Star Tracker 1 Star 11 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)**

E.7210 xb_st1 aqmagnes12**Description**

Star Tracker 1 Star 12 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7211 xb_st1 aqmagnes13**Description**

Star Tracker 1 Star 13 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7212 xb.st1 aqmagnes14****Description**

Star Tracker 1 Star 14 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm** (3917)

E.7213 xb_st1 aqmagnes15**Description**

Star Tracker 1 Star 15 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7214 xb_st1 aqmagnes16**Description**

Star Tracker 1 Star 16 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)****E.7215 xb.st1 aqmagnes17****Description**

Star Tracker 1 Star 17 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)**

E.7216 xb_st1 aqmagnes2**Description**

Star Tracker 1 Star 2 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7217 xb_st1 aqmagnes3**Description**

Star Tracker 1 Star 3 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)****E.7218 xb_st1 aqmagnes4****Description**

Star Tracker 1 Star 4 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)**

E.7219 xb_st1 aqmagnes5**Description**

Star Tracker 1 Star 5 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7220 xb_st1 aqmagnes6**Description**

Star Tracker 1 Star 6 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)****E.7221 xb_st1 aqmagnes7****Description**

Star Tracker 1 Star 7 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm (3917)**

E.7222 xb_st1 aqmagnes8**Description**

Star Tracker 1 Star 8 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7223 xb_st1 aqmagnes9**Description**

Star Tracker 1 Star 9 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7224 xb_st1 aqmoonpresence****Description**

Star Tracker 1 Presence of moon

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7225 xb_st1 aqnbid****Description**

Star Tracker 1 Total number of retained stars in identification

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7226 xb_st1 aqnetidmes****Description**

Star Tracker 1 Number of used measured stars

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7227 xb_st1 aqnint****Description**

Star Tracker 1 Integration number of current attitude

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7228 xb_st1 aqnostr****Description**

Star Tracker 1 No star pattern recognition

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7229 xb_st1 aqnpass****Description**

Star Tracker 1 Order of attitude determination

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7230 xb_st1 aqnret****Description**

Star Tracker 1 Number of star pattern recognition routine calls

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7231 xb_st1 aqnummask****Description**

Star Tracker 1 Number of mask

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7232 xb_st1 aqpreccrct**Description**

Star Tracker 1 Precession correction

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7233 xb_st1 aqpstr1**Description**

Star Tracker 1 Star 1 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7234 xb_st1 aqpstr10**Description**

Star Tracker 1 Star 10 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7235 xb_st1 aqpstr11**Description**

Star Tracker 1 Star 11 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7236 xb_st1 aqpstr12**Description**

Star Tracker 1 Star 12 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7237 xb_st1 aqpstr13**Description**

Star Tracker 1 Star 13 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7238 xb_st1 aqpstr14**Description**

Star Tracker 1 Star 14 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7239 xb_st1 aqpstr15**Description**

Star Tracker 1 Star 15 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7240 xb_st1 aqpstr16**Description**

Star Tracker 1 Star 16 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7241 xb.st1 aqpstr17****Description**

Star Tracker 1 Star 17 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7242 xb.st1 aqpstr2****Description**

Star Tracker 1 Star 2 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 aq.tlm** (3917)**E.7243 xb.st1 aqpstr3****Description**

Star Tracker 1 Star 3 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 aq.tlm** (3917)

E.7244 xb_st1 aqpstr4**Description**

Star Tracker 1 Star 4 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7245 xb_st1 aqpstr5**Description**

Star Tracker 1 Star 5 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7246 xb_st1 aqpstr6**Description**

Star Tracker 1 Star 6 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7247 xb_st1 aqpstr7**Description**

Star Tracker 1 Star 7 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7248 xb_st1 aqpstr8**Description**

Star Tracker 1 Star 8 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7249 xb_st1 aqpstr9**Description**

Star Tracker 1 Star 9 is a pattern star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7250 xb_st1 aqqrve1**Description**

Star Tracker 1 Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7251 xb_st1 aqqrve2**Description**

Star Tracker 1 Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7252 xb_st1 aqqrve3**Description**

Star Tracker 1 Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7253 xb_st1 aqqrve4**Description**

Star Tracker 1 Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7254 xb_st1 aqrefstr1**Description**

Star Tracker 1 Star 1 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7255 xb_st1 aqrefstr10**Description**

Star Tracker 1 Star 10 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7256 xb_st1 aqrefstr11**Description**

Star Tracker 1 Star 11 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7257 xb_st1 aqrefstr12**Description**

Star Tracker 1 Star 12 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7258 xb_st1 aqrefstr13**Description**

Star Tracker 1 Star 13 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7259 xb_st1 aqrefstr14**Description**

Star Tracker 1 Star 14 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7260 xb_st1 aqrefstr15**Description**

Star Tracker 1 Star 15 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7261 xb_st1 aqrefstr16**Description**

Star Tracker 1 Star 16 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7262 xb_st1 aqrefstr17**Description**

Star Tracker 1 Star 17 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7263 xb_st1 aqrefstr2**Description**

Star Tracker 1 Star 2 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7264 xb_st1 aqrefstr3**Description**

Star Tracker 1 Star 3 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7265 xb_st1 aqrefstr4**Description**

Star Tracker 1 Star 4 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7266 xb_st1 aqrefstr5**Description**

Star Tracker 1 Star 5 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7267 xb_st1 aqrefstr6**Description**

Star Tracker 1 Star 6 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7268 xb_st1 aqrefstr7**Description**

Star Tracker 1 Star 7 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7269 xb_st1 aqrefstr8**Description**

Star Tracker 1 Star 8 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7270 xb_st1 aqrefstr9**Description**

Star Tracker 1 Star 9 is a referenced star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7271 xb_st1 aqreftmdel**Description**

Star Tracker 1 time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	20
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7272 xb_st1 aqres1**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7273 xb_st1 aqres2**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7274 xb_st1 aqresb0**Description**

Star Tracker 1 telemetry; reserved (0)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7275 xb_st1 aqresb1**Description**

Star Tracker 1 telemetry; reserved (1)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7276 xb_st1 aqresb10**Description**

Star Tracker 1 telemetry; reserved (10)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7277 xb_st1 aqresb11**Description**

Star Tracker 1 telemetry; reserved (11)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7278 xb_st1 aqresb12**Description**

Star Tracker 1 telemetry; reserved (12)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7279 xb_st1 aqresb13**Description**

Star Tracker 1 telemetry; reserved (13)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7280 xb_st1 aqresb14**Description**

Star Tracker 1 telemetry; reserved (14)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7281 xb_st1 aqresb15**Description**

Star Tracker 1 telemetry; reserved (15)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7282 xb_st1 aqresb16**Description**

Star Tracker 1 telemetry; reserved (16)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7283 xb_st1 aqresb17**Description**

Star Tracker 1 telemetry; reserved (17)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7284 xb_st1 aqresb18**Description**

Star Tracker 1 telemetry; reserved (18)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7285 xb_st1 aqresb19**Description**

Star Tracker 1 telemetry; reserved (19)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7286 xb_st1 aqresb2**Description**

Star Tracker 1 telemetry; reserved (2)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7287 xb_st1 aqresb20**Description**

Star Tracker 1 telemetry; reserved (20)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7288 xb_st1 aqresb21**Description**

Star Tracker 1 telemetry; reserved (21)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7289 xb_st1 aqresb22**Description**

Star Tracker 1 telemetry; reserved (22)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7290 xb_st1 aqresb23**Description**

Star Tracker 1 telemetry; reserved (23)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7291 xb_st1 aqresb24**Description**

Star Tracker 1 telemetry; reserved (24)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7292 xb_st1 aqresb25**Description**

Star Tracker 1 telemetry; reserved (25)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7293 xb_st1 aqresb3**Description**

Star Tracker 1 telemetry; reserved (3)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7294 xb_st1 aqresb4**Description**

Star Tracker 1 telemetry; reserved (4)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7295 xb_st1 aqresb5**Description**

Star Tracker 1 telemetry; reserved (5)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7296 xb_st1 aqresb6**Description**

Star Tracker 1 telemetry; reserved (6)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7297 xb_st1 aqresb7**Description**

Star Tracker 1 telemetry; reserved (7)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7298 xb_st1 aqresb8**Description**

Star Tracker 1 telemetry; reserved (8)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7299 xb_st1 aqresb9**Description**

Star Tracker 1 telemetry; reserved (9)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7300 xb_st1 aqs15stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7301 xb_st1 aqs15stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7302 xb_st1 aqs15stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7303 xb_st1 aqs15stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7304 xb_st1 aqs34stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7305 xb_st1 aqs34stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7306 xb_st1 aqs34stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7307 xb_st1 aqs34stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7308 xb_st1 aqs50stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7309 xb_st1 aqs50stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7310 xb_st1 aqs50stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7311 xb_st1 aqs50stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7312 xb_st1 aqs67stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7313 xb_st1 aqs67stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7314 xb_st1 aqs67stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7315 xb_st1 aqs67stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7316 xb_st1 aqs84stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7317 xb_st1 aqs84stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7318 xb_st1 aqs84stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7319 xb_st1 aqs84stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7320 xb_st1 aqs94stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7321 xb_st1 aqs94stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7322 xb_st1 aqs94stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7323 xb_st1 aqs94stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7324 xb_st1 aqsainfonu1sa13**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7325 xb_st1 aqsainfonu1sa14**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7326 xb_st1 aqsainfonu1sa15**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7327 xb_st1 aqsainfonu1sa16**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7328 xb_st1 aqsainfonu1sa17**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7329 xb_st1 aqsainfonu1sa18**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7330 xb_st1 aqsainfonu1sa19**Description**

Star Tracker 1 spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7331 xb_st1 aqsainfonu2sa13**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7332 xb_st1 aqsainfonu2sa14**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7333 xb_st1 aqsainfonu2sa15**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7334 xb_st1 aqsainfonu2sa16**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7335 xb_st1 aqsainfonu2sa17**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7336 xb_st1 aqsainfonu2sa18**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7337 xb_st1 aqsainfonu2sa19**Description**

Star Tracker 1 spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7338 xb_st1 aqsatpixlfov**Description**

Star Tracker 1 Exceeding of threshold of saturated pixels in field of view

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7339 xb_st1 aqsevelvec****Description**

Star Tracker 1 Satellite/Earth velocity vector

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)**E.7340 xb_st1 aqsmldestr****Description**

Star Tracker 1 Number of guide stars is too small

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 aq_tlm** (3917)

E.7341 xb_st1 aqsp10**Description**

Star Tracker 1 telemetry; spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7342 xb_st1 aqsp11**Description**

Star Tracker 1 telemetry; spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7343 xb_st1 aqsp12**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7344 xb_st1 aqsp13**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7345 xb_st1 aqsp14**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7346 xb_st1 aqsp16**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7347 xb_st1 aqsp17**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7348 xb_st1 aqsp18**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7349 xb_st1 aqsp19**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7350 xb_st1 aqsp1stfrmcntnum**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7351 xb_st1 aqsp1stfrmcntvld**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7352 xb_st1 aqsp1stsainfonu1**Description**

Star Tracker 1 telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7353 xb_st1 aqsp1stsainfonu2**Description**

Star Tracker 1 telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7354 xb_st1 aqsp2**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7355 xb_st1 aqsp20**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7356 xb_st1 aqsp21**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7357 xb_st1 aqsp22**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7358 xb_st1 aqsp23**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7359 xb_st1 aqsp24**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7360 xb_st1 aqsp25**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7361 xb_st1 aqsp26**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7362 xb_st1 aqsp27**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7363 xb_st1 aqsp28**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7364 xb_st1 aqsp29**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7365 xb_st1 aqsp3**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7366 xb_st1 aqsp30**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7367 xb_st1 aqsp31**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7368 xb_st1 aqsp32**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7369 xb_st1 aqsp33**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7370 xb_st1 aqsp35**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7371 xb_st1 aqsp36**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7372 xb_st1 aqsp37**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7373 xb_st1 aqsp38**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7374 xb_st1 aqsp39**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7375 xb_st1 aqsp4**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7376 xb_st1 aqsp40**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7377 xb_st1 aqsp41**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7378 xb_st1 aqsp42**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7379 xb_st1 aqsp43**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7380 xb_st1 aqsp44**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7381 xb_st1 aqsp45**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7382 xb_st1 aqsp46**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7383 xb_st1 aqsp47**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7384 xb_st1 aqsp48**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7385 xb_st1 aqsp49**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7386 xb_st1 aqsp51**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7387 xb_st1 aqsp52**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7388 xb_st1 aqsp53**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7389 xb_st1 aqsp54**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7390 xb_st1 aqsp55**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7391 xb_st1 aqsp56**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7392 xb_st1 aqsp57**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7393 xb_st1 aqsp58**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7394 xb_st1 aqsp59**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7395 xb_st1 aqsp5refttmdel**Description**

Star Tracker 1 time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7396 xb_st1 aqsp5statmrcnt**Description**

Star Tracker 1 REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7397 xb_st1 aqsp6**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7398 xb_st1 aqsp60**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7399 xb_st1 aqsp61**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7400 xb_st1 aqsp62**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7401 xb_st1 aqsp63**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7402 xb_st1 aqsp64**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7403 xb_st1 aqsp65**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7404 xb_st1 aqsp66**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7405 xb_st1 aqsp68**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7406 xb_st1 aqsp69**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7407 xb_st1 aqsp7**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7408 xb_st1 aqsp70**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7409 xb_st1 aqsp71**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7410 xb_st1 aqsp72**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7411 xb_st1 aqsp73**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7412 xb_st1 aqsp74**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7413 xb_st1 aqsp75**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7414 xb_st1 aqsp76**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7415 xb_st1 aqsp77**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7416 xb_st1 aqsp78**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7417 xb_st1 aqsp79**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7418 xb_st1 aqsp8**Description**

Star Tracker 1 telemetry; spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7419 xb_st1 aqsp80**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7420 xb_st1 aqsp81**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7421 xb_st1 aqsp82**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7422 xb_st1 aqsp83**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7423 xb_st1 aqsp85**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7424 xb_st1 aqsp86**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7425 xb_st1 aqsp87**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7426 xb_st1 aqsp88**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7427 xb_st1 aqsp89**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7428 xb_st1 aqsp9**Description**

Star Tracker 1 telemetry; spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7429 xb_st1 aqsp90**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7430 xb_st1 aqsp91**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7431 xb_st1 aqsp92**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7432 xb_st1 aqsp93**Description**

Star Tracker 1 telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7433 xb_st1 aqsp95**Description**

Star Tracker 1 telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7434 xb_st1 aqsp96st1resb0**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7435 xb_st1 aqsp96st1resb1**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7436 xb_st1 aqsp96st1resb10**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7437 xb_st1 aqsp96st1resb11**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7438 xb_st1 aqsp96st1resb12**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7439 xb_st1 aqsp96st1resb13**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7440 xb_st1 aqsp96st1resb14**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7441 xb_st1 aqsp96st1resb15**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7442 xb_st1 aqsp96st1resb16**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7443 xb_st1 aqsp96st1resb17**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7444 xb_st1 aqsp96st1resb18**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7445 xb_st1 aqsp96st1resb19**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7446 xb_st1 aqsp96st1resb2**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7447 xb_st1 aqsp96st1resb20**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7448 xb_st1 aqsp96st1resb21**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7449 xb_st1 aqsp96st1resb22**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7450 xb_st1 aqsp96st1resb23**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7451 xb_st1 aqsp96st1resb24**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7452 xb_st1 aqsp96st1resb25**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7453 xb_st1 aqsp96st1resb3**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7454 xb_st1 aqsp96st1resb4**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7455 xb_st1 aqsp96st1resb5**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7456 xb_st1 aqsp96st1resb6**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7457 xb_st1 aqsp96st1resb7**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7458 xb_st1 aqsp96st1resb8**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7459 xb_st1 aqsp96st1resb9**Description**

Star Tracker 1 telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7460 xb_st1 aqspostr1**Description**

Star Tracker 1 Star 1 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7461 xb_st1 aqposstr10**Description**

Star Tracker 1 Star 10 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7462 xb_st1 aqposstr11**Description**

Star Tracker 1 Star 11 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7463 xb_st1 aqposstr12**Description**

Star Tracker 1 Star 12 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7464 xb_st1 aqspstr13**Description**

Star Tracker 1 Star 13 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7465 xb_st1 aqspstr14**Description**

Star Tracker 1 Star 14 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7466 xb_st1 aqspstr15**Description**

Star Tracker 1 Star 15 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7467 xb_st1 aqposstr16**Description**

Star Tracker 1 Star 16 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7468 xb_st1 aqposstr17**Description**

Star Tracker 1 Star 17 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7469 xb_st1 aqposstr2**Description**

Star Tracker 1 Star 2 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7470 xb_st1 aqspostr3**Description**

Star Tracker 1 Star 3 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7471 xb_st1 aqspostr4**Description**

Star Tracker 1 Star 4 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7472 xb_st1 aqspostr5**Description**

Star Tracker 1 Star 5 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7473 xb_st1 aqspstr6**Description**

Star Tracker 1 Star 6 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7474 xb_st1 aqspstr7**Description**

Star Tracker 1 Star 7 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7475 xb_st1 aqspstr8**Description**

Star Tracker 1 Star 8 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7476 xb_st1 aqposstr9**Description**

Star Tracker 1 Star 9 is a superposed star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7477 xb_st1 aqstatmrcnt**Description**

Star Tracker 1 REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7478 xb_st1 aqstcat1**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7479 xb_st1 aqstcat10**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7480 xb_st1 aqstcat11**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7481 xb_st1 aqstcat12**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7482 xb_st1 aqstcat13**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7483 xb_st1 aqstcat14**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7484 xb_st1 aqstcat15**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7485 xb_st1 aqstcat16**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7486 xb_st1 aqstcat17**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7487 xb_st1 aqstcat2**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7488 xb_st1 aqstcat3**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7489 xb_st1 aqstcat4**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7490 xb_st1 aqstcat5**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7491 xb_st1 aqstcat6**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7492 xb_st1 aqstcat7**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7493 xb_st1 aqstcat8**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq.tlm (3917)

E.7494 xb_st1 aqstcat9**Description**

Star Tracker 1 Star catalogue number

Data Type

13 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7495 xb_st1 aqstrindexfault**Description**

Star Tracker 1 Incoherent quality index of stars

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7496 xb_st1 aqstrposprop**Description**

Star Tracker 1 Stars positions propagated

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7497 xb_st1 aqstrpropcalc**Description**

Star Tracker 1 Star positions propagated according to velocity or velocity and a

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
VEL_ACC	0	GOOD
VEL	1	GOOD

Discussion

Star Tracker 1 Star positions propagated according to velocity or velocity and acceleration

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7498 xb_st1 aqtlmexp1**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7499 xb_st1 aqtlmexp10**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7500 xb_st1 aqtlmexp11**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7501 xb_st1 aqtlmexp12**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7502 xb_st1 aqtlmexp13**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7503 xb_st1 aqtlmexp14**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7504 xb_st1 aqtlmexp15**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7505 xb_st1 aqtlmexp16**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7506 xb_st1 aqtlmexp17**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7507 xb_st1 aqtlmexp2**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7508 xb_st1 aqtlmexp3**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7509 xb_st1 aqtlmexp4**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7510 xb_st1 aqtlmexp5**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7511 xb_st1 aqtlmexp6**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7512 xb_st1 aqtlmexp7**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7513 xb_st1 aqtlmexp8**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7514 xb_st1 aqtlmexp9**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7515 xb_st1 aqtlmst1expmes1**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7516 xb_st1 aqtlmst1expmes10**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7517 xb_st1 aqtlmst1expmes11**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7518 xb_st1 aqtlmst1expmes12**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7519 xb_st1 aqtlmst1expmes13**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7520 xb_st1 aqtlmst1expmes14**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7521 xb_st1 aqtlmst1expmes15**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7522 xb_st1 aqtlmst1expmes16**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7523 xb_st1 aqtlmst1expmes17**Description**

Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7524 xb_st1 aqtlmst1expmes2**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7525 xb_st1 aqtlmst1expmes3**Description**

Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7526 xb_st1 aqtlmst1expmes4**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7527 xb_st1 aqtlmst1expmes5**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7528 xb_st1 aqtlmst1expmes6**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7529 xb_st1 aqtlmst1expmes7**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7530 xb_st1 aqtlmst1expmes8**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7531 xb_st1 aqtlmst1expmes9**Description**

Star Tracker 1 Syn. measured star matching

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7532 xb_st1 aqtlmst1sptc**Description**

Star Tracker 1 Options of Telecommand

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	395
yellow high	395
yellow low	393
red low	393
delta	<i>none</i>

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7533 xb_st1 aqtmst1syntdefaa**Description**

Star Tracker 1 Sythesis of coherence test results

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	16385
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb_st1 aq_tlm_action2 (3924)

E.7534 xb_st1 aqunrealangvel**Description**

Star Tracker 1 Unrealistic angular velocity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7535 xb_st1 aqupcmdvelvec**Description**

Star Tracker 1 takes the velocity vector into account when correcting aberration

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7536 xb_st1 aqupletlrg**Description**

Star Tracker 1 Max number of 4 iuplets is too large

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7537 xb_st1 aqvelqualfault**Description**

Star Tracker 1 Incoherent quality index of velocity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7538 xb_st1 aqwxve**Description**

Star Tracker 1 Component of Xve of angular velocity /Rve

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 aq.tlm (3917)

E.7539 xb_st1 aqwyve**Description**

Star Tracker 1 Component of Xve of angular velocity /Rve

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7540 xb_st1 aqwzve**Description**

Star Tracker 1 Component of Xve of angular velocity /Rve

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7541 xb_st1 aqxvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7542 xb_st1 aq xvemes10**Description**

Star Tracker 1 Star 10 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7543 xb_st1 aq xvemes11**Description**

Star Tracker 1 Star 11 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7544 xb_st1 aq xvemes12**Description**

Star Tracker 1 Star 12 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7545 xb_st1 aq xvemes13**Description**

Star Tracker 1 Star 13 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7546 xb_st1 aq xvemes14**Description**

Star Tracker 1 Star 14 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7547 xb_st1 aq xvemes15**Description**

Star Tracker 1 Star 15 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7548 xb_st1 aqxivemes16**Description**

Star Tracker 1 Star 16 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7549 xb_st1 aqxivemes17**Description**

Star Tracker 1 Star 17 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7550 xb_st1 aqxivemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7551 xb_st1 aqxivemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7552 xb_st1 aqxivemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7553 xb_st1 aqxivemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7554 xb_st1 aqxivemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7555 xb_st1 aqxivemes7**Description**

Star Tracker 1 Star 7 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7556 xb_st1 aqxivemes8**Description**

Star Tracker 1 Star 8 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7557 xb_st1 aqxivemes9**Description**

Star Tracker 1 Star 9 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7558 xb_st1 aqyvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7559 xb_st1 aqyvemes10**Description**

Star Tracker 1 Star 10 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7560 xb_st1 aqyvemes11**Description**

Star Tracker 1 Star 11 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7561 xb_st1 aqyvemes12**Description**

Star Tracker 1 Star 12 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7562 xb_st1 aqyvemes13**Description**

Star Tracker 1 Star 13 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7563 xb_st1 aqyvemes14**Description**

Star Tracker 1 Star 14 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7564 xb_st1 aqyvemes15**Description**

Star Tracker 1 Star 15 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7565 xb_st1 aqyvemes16**Description**

Star Tracker 1 Star 16 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7566 xb_st1 aqyvemes17**Description**

Star Tracker 1 Star 17 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7567 xb_st1 aqyvemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7568 xb_st1 aqyvemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7569 xb_st1 aqyvemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7570 xb_st1 aqyvemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7571 xb_st1 aqyvemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7572 xb_st1 aqyvemes7**Description**

Star Tracker 1 Star 7 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7573 xb_st1 aqyvemes8**Description**

Star Tracker 1 Star 8 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7574 xb_st1 aqyvemes9**Description**

Star Tracker 1 Star 9 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7575 xb_st1 aqzvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7576 xb_st1 aqzvemes10**Description**

Star Tracker 1 Star 10 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7577 xb_st1 aqzvemes11**Description**

Star Tracker 1 Star 11 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7578 xb_st1 aqzvemes12**Description**

Star Tracker 1 Star 12 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7579 xb_st1 aqzvemes13**Description**

Star Tracker 1 Star 13 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7580 xb_st1 aqzvemes14**Description**

Star Tracker 1 Star 14 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7581 xb_st1 aqzvemes15**Description**

Star Tracker 1 Star 15 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7582 xb_st1 aqzvemes16**Description**

Star Tracker 1 Star 16 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7583 xb_st1 aqzvemes17**Description**

Star Tracker 1 Star 17 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7584 xb_st1 aqzvemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7585 xb_st1 aqzvemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7586 xb_st1 aqzvemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7587 xb_st1 aqzvemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7588 xb_st1 aqzvemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7589 xb_st1 aqzvemes7**Description**

Star Tracker 1 Star 7 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7590 xb_st1 aqzvemes8**Description**

Star Tracker 1 Star 8 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7591 xb_st1 aqzvemes9**Description**

Star Tracker 1 Star 9 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7592 xb_st1 asptcbmdact**Description**

Star Tracker 1 Binning mode is active.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7593 xb_st1 asptcnu**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7594 xb_st1 asyntanu**Description**

spare

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 aq_tlm (3917)

E.7595 xb_st1 brackettmpanalog**Description**

XB AC Fast Tlm Msg from APE;st1 bracket tmp analog

Data Type

12 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.7596 xb_st1 brackettmpcal**Description**

XB AC Fast Telemetry Message from APE; st1 bracket temp cal

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.7597 xb_st1 brackettmpgain**Description**

XB AC Fast Telemetry Message from APE;st1 bracket tmp gain

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb acfst_tlm (3898)

E.7598 xb_st1 caq1headerpid**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7599 xb_st1 caq1headerpl**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7600 xb_st1 caq1headersct**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7601 xb_st1 caq1headersflg**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7602 xb_st1 caq1memadr**Description**

Star Tracker 1 acquisition telemetry; memory address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7603 xb_st1 caq1numemadr**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7604 xb_st1 caq1nuwrd1**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7605 xb_st1 caq1nuwrd10**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7606 xb_st1 caq1nuwrd11**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7607 xb_st1 caq1nuwrd12**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7608 xb_st1 caq1nuwrd13**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7609 xb_st1 caq1nuwrd14**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7610 xb_st1 caq1nuwrd15**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7611 xb_st1 caq1nuwrd16**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7612 xb_st1 caq1nuwrd17**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7613 xb_st1 caq1nuwrd18**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7614 xb_st1 caq1nuwrd19**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7615 xb_st1 caq1nuwrd2**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7616 xb_st1 caq1nuwrd20**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7617 xb_st1 caq1nuwrd21**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7618 xb_st1 caq1nuwrd22**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7619 xb_st1 caq1nuwrd23**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7620 xb_st1 caq1nuwrd24**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7621 xb_st1 caq1nuwrd25**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7622 xb_st1 caq1nuwrd26**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7623 xb_st1 caq1nuwrd27**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7624 xb_st1 caq1nuwrd28**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7625 xb_st1 caq1nuwrd29**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7626 xb_st1 caq1nuwr3**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7627 xb_st1 caq1nuwr30**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7628 xb_st1 caq1nuwr4**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7629 xb_st1 caq1nuwr5**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7630 xb_st1 caq1nuwr6**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7631 xb_st1 caq1nuwr7**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7632 xb_st1 caq1nuwrdd8**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7633 xb_st1 caq1nuwrdd9**Description**

Star Tracker 1 acquisition telemetry; not used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7634 xb_st1 caq1tmhdrhws**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7635 xb_st1 caq1tmhdrhwss**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7636 xb_st1 caq1tmhdrlws**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7637 xb_st1 caq1tmhdrlwss**Description**

Star Tracker 1 acquisition telemetry: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7638 xb_st1 caq2headerpid**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7639 xb_st1 caq2headerpl**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7640 xb_st1 caq2headersct**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7641 xb_st1 caq2headersflg**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7642 xb_st1 caq2memadr**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7643 xb_st1 caq2numemadr**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7644 xb_st1 caq2nuwrđ1**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7645 xb_st1 caq2nuwrđ10**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7646 xb_st1 caq2nuwrđ11**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7647 xb_st1 caq2nuwrd12**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7648 xb_st1 caq2nuwrd13**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7649 xb_st1 caq2nuwrd14**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7650 xb_st1 caq2nuwrd15**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7651 xb_st1 caq2nuwrd16**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7652 xb_st1 caq2nuwrd17**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7653 xb_st1 caq2nuwrd18**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7654 xb_st1 caq2nuwrd19**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7655 xb_st1 caq2nuwrd2**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7656 xb_st1 caq2nuwrd20**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7657 xb_st1 caq2nuwrd21**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7658 xb_st1 caq2nuwrd22**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7659 xb_st1 caq2nuwrd23**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7660 xb_st1 caq2nuwrd24**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7661 xb_st1 caq2nuwrd25**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7662 xb_st1 caq2nuwrd26**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7663 xb_st1 caq2nuwrd27**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7664 xb_st1 caq2nuwrd28**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7665 xb_st1 caq2nuwrd29**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7666 xb_st1 caq2nuwrd3**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7667 xb_st1 caq2nuwrd30**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7668 xb_st1 caq2nuwr4**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7669 xb_st1 caq2nuwr5**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7670 xb_st1 caq2nuwr6**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7671 xb_st1 caq2nuwr7**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7672 xb_st1 caq2nuwr8**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7673 xb_st1 caq2nuwr9**Description**

Star Tracker 1 acquisition telemetry; 2nd 60 bytes

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7674 xb_st1 caq2tmhdrhws**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7675 xb_st1 caq2tmhdrhwss**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7676 xb_st1 caq2tmhdrlws**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7677 xb_st1 caq2tmhdlwss**Description**

Star Tracker 1 acquisition telemetry; Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7678 xb_st1 caqdtmesreftmdel**Description**

Star Tracker 1 time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	20
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7679 xb_st1 caqdtmesstatmrct**Description**

Star Tracker 1 REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7680 xb_st1 caqmagnes1**Description**

Star Tracker 1 Star 1 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7681 xb_st1 caqmagnes2**Description**

Star Tracker 1 Star 2 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7682 xb_st1 caqmagnes3**Description**

Star Tracker 1 Star 3 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 car_aq1_tlm (3929)

E.7683 xb_st1 caqmagnes4**Description**

Star Tracker 1 Star 4 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 car_aq2_tlm (3932)

E.7684 xb_st1 caqmagnes5**Description**

Star Tracker 1 Star 5 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7685 xb_st1 caqmagnes6**Description**

Star Tracker 1 Star 6 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 car_aq2_tlm (3932)

E.7686 xb_st1 caqmagnes7**Description**

Star Tracker 1 Star 7 measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 car_aq2_tlm (3932)

E.7687 xb_st1 caqnbid**Description**

Star Tracker 1 Total number of retained stars

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7688 xb_st1 caqnu**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7689 xb_st1 caq xvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7690 xb_st1 caqxivemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7691 xb_st1 caqxivemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7692 xb_st1 caqxivemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7693 xb_st1 caqxivemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7694 xb_st1 caqxivemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7695 xb_st1 caqxivemes7**Description**

Star Tracker 1 Star 7 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7696 xb_st1 caqyvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7697 xb_st1 caqyvemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7698 xb_st1 caqyvemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7699 xb_st1 caqyvemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7700 xb_st1 caqyvemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7701 xb_st1 caqyvemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7702 xb_st1 caqyvemes7**Description**

Star Tracker 1 Star 7 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7703 xb_st1 caqzvemes1**Description**

Star Tracker 1 Star 1 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7704 xb_st1 caqzvemes2**Description**

Star Tracker 1 Star 2 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7705 xb_st1 caqzvemes3**Description**

Star Tracker 1 Star 3 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7706 xb_st1 caqzvemes4**Description**

Star Tracker 1 Star 4 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7707 xb_st1 caqzvemes5**Description**

Star Tracker 1 Star 5 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7708 xb_st1 caqzvemes6**Description**

Star Tracker 1 Star 6 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7709 xb_st1 casptcabercrct**Description**

Star Tracker 1 Aberration shall be corrected.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7710 xb_st1 casptcbmdact**Description**

Star Tracker 1 Binning mode is active.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7711 xb_st1 casptcesvelvec**Description**

Star Tracker 1 Earth/Sun velocity shall be calculated for aberration correction.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7712 xb_st1 casptcjulprop**Description**

Star Tracker 1 Julian date shall be propagated.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7713 xb_st1 casptcnu**Description**

Not used.

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7714 xb_st1 casptcpreccrct**Description**

Star Tracker 1 Precession shall be corrected.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7715 xb_st1 casptcpropcalc**Description**

Star Tracker 1 Star positions shall be propagated using velocity only (if =0 als

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Star positions shall be propagated using velocity only (if =0 also use accelera

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7716 xb_st1 casptcsevelvec**Description**

Star Tracker 1 Satellite/Earth velocity shall be calculated for aberration corre

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Satellite/Earth velocity shall be calculated for aberration correction.

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7717 xb_st1 casptcstrposprop****Description**

Star Tracker 1 Star positions shall be propagated.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7718 xb_st1 casptcupcmdvec****Description**

Star Tracker 1 Take 'update command' velocity into account when correcting aberr

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Take 'update command' velocity into account when correcting aberration.

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7719 xb_st1 ciddmnoutofrange****Description**

Star Tracker 1 Identification domain out of usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7720 xb_st1 cnumidstrs2big****Description**

Star Tracker 1 Number of identified stars is greater than allowed number NbTM in

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of identified stars is greater than allowed number NbTM in telemetry (60)

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7721 xb_st1 cnumidstrsgtnbtm****Description**

Star Tracker 1 Number of identified stars when this number is greater than NbTM

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of identified stars when this number is greater than NbTM number

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.7722 xb_st1 cnumidstrsisnull****Description**

Star Tracker 1 Number of identified stars NbIden is null FLAG

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7723 xb_st1 cnumretpixs2big**Description**

Star Tracker 1 Number of retained pixels is greater than allowed number (2047) F

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of retained pixels is greater than allowed number (2047) FLAG

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7724 xb_st1 crcdmpdsecmemadr**Description**

Star Tracker 1 data dump section memory address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7725 xb_st1 crcdmpdsectwrdr1**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7726 xb_st1 crcdmpdsectwrd10**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7727 xb_st1 crcdmpdsectwrd11**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7728 xb_st1 crcdmpdsectwrd12**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 crc_dtadmp_tlm (3938)****E.7729 xb_st1 crcdmpdsectwrd13****Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 crc_dtadmp_tlm (3938)****E.7730 xb_st1 crcdmpdsectwrd14****Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 crc_dtadmp_tlm (3938)****E.7731 xb_st1 crcdmpdsectwrd15****Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 crc_dtadmp_tlm (3938)**

E.7732 xb_st1 crcdmpdsectwrd16**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7733 xb_st1 crcdmpdsectwrd17**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7734 xb_st1 crcdmpdsectwrd18**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7735 xb_st1 crcdmpdsectwr19**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7736 xb_st1 crcdmpdsectwr2**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7737 xb_st1 crcdmpdsectwr20**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7738 xb_st1 crcdmpdsectwr21**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7739 xb_st1 crcdmpdsectwr22**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7740 xb_st1 crcdmpdsectwr23**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7741 xb_st1 crcdmpdsectwr24**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7742 xb_st1 crcdmpdsectwr25**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7743 xb_st1 crcdmpdsectwr26**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7744 xb_st1 crcdmpdsectwrd27**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7745 xb_st1 crcdmpdsectwrd28**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7746 xb_st1 crcdmpdsectwrd29**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7747 xb_st1 crcdmpdsectwr3**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7748 xb_st1 crcdmpdsectwr30**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7749 xb_st1 crcdmpdsectwr4**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7750 xb_st1 crcdmpdsectwr5**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7751 xb_st1 crcdmpdsectwr6**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7752 xb_st1 crcdmpdsectwr7**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7753 xb_st1 crcdmpdsectwr8**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7754 xb_st1 crcdmpdsectwr9**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7755 xb_st1 crcdmphdrpid**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7756 xb_st1 crcdmphdrpl**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7757 xb_st1 crcdmphdrsct**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7758 xb_st1 crcdmphdrsflg**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7759 xb_st1 crcdmpsectmemadr**Description**

Star Tracker 1 data dump crc memory address

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7760 xb_st1 crcdmpsectwrd1**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7761 xb_st1 crcdmpsectwrd10**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7762 xb_st1 crcdmpsectwrd11**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7763 xb_st1 crcdmpsectwrd12**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7764 xb_st1 crcdmpsectwrd13**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7765 xb_st1 crcdmpsectwrdd14**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7766 xb_st1 crcdmpsectwrdd15**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7767 xb_st1 crcdmpsectwrdd16**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7768 xb_st1 crcdmpsectwrd17**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7769 xb_st1 crcdmpsectwrd18**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7770 xb_st1 crcdmpsectwrd19**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7771 xb_st1 crcdmpsectwrdd2**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7772 xb_st1 crcdmpsectwrdd20**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7773 xb_st1 crcdmpsectwrdd21**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7774 xb_st1 crcdmpsectwrd22**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7775 xb_st1 crcdmpsectwrd23**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7776 xb_st1 crcdmpsectwrd24**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7777 xb_st1 crcdmpsectwr25**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7778 xb_st1 crcdmpsectwr26**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7779 xb_st1 crcdmpsectwr27**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7780 xb_st1 crcdmpsectwrd28**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7781 xb_st1 crcdmpsectwrd29**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7782 xb_st1 crcdmpsectwrd3**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7783 xb_st1 crcdmpsectwrd30**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7784 xb_st1 crcdmpsectwrd4**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7785 xb_st1 crcdmpsectwrd5**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7786 xb_st1 crcdmpsectwr6**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7787 xb_st1 crcdmpsectwr7**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7788 xb_st1 crcdmpsectwr8**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7789 xb_st1 crcdmpsectwr9**Description**

Star Tracker 1 combined CRC/data dump packet

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7790 xb_st1 crcdmptmhdrhws**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7791 xb_st1 crcdmptmhdrhwss**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7792 xb_st1 crcdmptmhdrlws**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7793 xb_st1 crcdmptmhdrlwss**Description**

Star Tracker 1 combined CRC/data dump packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 crc_dtadmp_tlm (3938)

E.7794 xb_st1 csyntdefidnu**Description**

Reserved

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7795 xb_st1 ctdefpixinstrpat**Description**

Star Tracker 1 Pattern of star has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7796 xb_st1 ctetameasnu1**Description**

Reserved

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7797 xb_st1 ctfmmes**Description**

Star Tracker 1 Mean value of darkness signal on crown of measurement domain (lsb)

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Mean value of darkness signal on crown of measurement domain (lsb)

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7798 xb_st1 ctheaderpId**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7799 xb_st1 ctheaderpI**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7800 xb_st1 ctheadersct**Description**

Star Tracker 1 Track Data: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7801 xb_st1 ctheadersflg**Description**

Star Tracker 1 Track Data: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7802 xb_st1 ctmagmes**Description**

Star Tracker 1 Star measured magnitude

Data Type

16 bits, signed integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7803 xb_st1 ctmeasnvsexp2big**Description**

Star Tracker 1 Difference between expected and measured magnitude is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7804 xb_st1 ctmeasoutofudmn**Description**

Star Tracker 1 Measurement domain is out of usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7805 xb_st1 ctmemadr**Description**

Star Tracker 1 Track Data

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7806 xb_st1 ctnostrmeas**Description**

Star Tracker 1 No measurement available of star

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7807 xb_st1 ctnumemadr**Description**

Star Tracker 1 Track Data: Not Used

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7808 xb_st1 ctnumstrpixs2low**Description**

Star Tracker 1 Number of pixels of star is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7809 xb_st1 ctnuwr1**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7810 xb_st1 ctnuwr10**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7811 xb_st1 ctnuwr11**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7812 xb_st1 ctnuwr12**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7813 xb_st1 ctnuwr13**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7814 xb_st1 ctnuwr14**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7815 xb_st1 ctnuwr15**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7816 xb_st1 ctnuwr16**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7817 xb_st1 ctnuwr17**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7818 xb_st1 ctnuwrd18**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7819 xb_st1 ctnuwrd19**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7820 xb_st1 ctnuwrd2**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7821 xb_st1 ctnuwr20**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7822 xb_st1 ctnuwr21**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7823 xb_st1 ctnuwr22**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7824 xb_st1 ctnuwrd23**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7825 xb_st1 ctnuwrd24**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7826 xb_st1 ctnuwrd25**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7827 xb_st1 ctnuwr26**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7828 xb_st1 ctnuwr27**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7829 xb_st1 ctnuwr28**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7830 xb_st1 ctnuwrd29**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7831 xb_st1 ctnuwrd3**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7832 xb_st1 ctnuwrd30**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7833 xb_st1 ctnuwr4**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7834 xb_st1 ctnuwr5**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7835 xb_st1 ctnuwr6**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7836 xb_st1 ctnuwr7**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7837 xb_st1 ctnuwr8**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7838 xb_st1 ctnuwr9**Description**

Star Tracker 1 Track Data: Not Used

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7839 xb_st1 ctovrlapmeasdmns**Description**

Star Tracker 1 Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7840 xb_st1 ctposoutofcodmn**Description**

Star Tracker 1 Star position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7841 xb_st1 ctsatpixinstrpat**Description**

Star Tracker 1 Pattern of star has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7842 xb_st1 ctstcabercrct**Description**

Star Tracker 1 Aberration shall be corrected.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7843 xb_st1 ctstcesvelvec**Description**

Star Tracker 1 Earth/Sun velocity shall be calculated for aberration correction.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7844 xb_st1 ctstcjulprop**Description**

Star Tracker 1 Julian date shall be propagated.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7845 xb_st1 ctstcpreccrct**Description**

Star Tracker 1 Precession shall be corrected.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7846 xb_st1 ctstcsevelvec**Description**

Star Tracker 1 Satellite/Earth velocity shall be calculated for aberration corre

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Satellite/Earth velocity shall be calculated for aberration correction.

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7847 xb_st1 ctstcsptcbmdact**Description**

Star Tracker 1 Binning mode is active.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7848 xb_st1 ctstcsptcnu**Description**

Not used.

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7849 xb_st1 ctstcstrposprop**Description**

Star Tracker 1 Star positions shall be propagated.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7850 xb_st1 ctstcstrpropcalc**Description**

Star Tracker 1 Star positions shall be propagated using velocity only (if =0 als

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Star positions shall be propagated using velocity only (if =0 also use accelera

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7851 xb_st1 ctstcupcmdvec**Description**

Star Tracker 1 Take 'update command' velocity into account when correcting aberr

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Take 'update command' velocity into account when correcting aberration.

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7852 xb_st1 ctstraylight2big**Description**

Star Tracker 1 Mean signal of straylight is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7853 xb_st1 ctstroutoffov**Description**

Star Tracker 1 Star is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7854 xb_st1 ctstrpat2big**Description**

Star Tracker 1 Pattern of star is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7855 xb_st1 ctstrpat2sml**Description**

Star Tracker 1 Pattern of star is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7856 xb_st1 ctstrsignal2low**Description**

Star Tracker 1 Signal of star is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7857 xb_st1 cttailpadb0**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7858 xb_st1 cttailpadb1**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7859 xb_st1 cttailpadb10**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7860 xb_st1 cttailpadb11**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7861 xb_st1 cttailpadb12**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7862 xb_st1 cttailpadb2**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7863 xb_st1 cttailpadb3**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7864 xb_st1 cttailpadb4**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7865 xb_st1 cttailpadb5**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7866 xb_st1 cttailpadb6**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7867 xb_st1 cttailpadb7**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7868 xb_st1 cttailpadb8**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7869 xb_st1 cttailpadb9**Description**

pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7870 xb_st1 cttmhdrhws**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7871 xb_st1 cttmhdrhwss**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7872 xb_st1 cttmhdrlws**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7873 xb_st1 cttmhdrlwss**Description**

Star Tracker 1 Track Data: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7874 xb_st1 ctxnmes**Description**

Star Tracker 1 Star measured co-ordinate along Xn axis (pixel)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7875 xb_st1 ctxvemes**Description**

Star Tracker 1 Star measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7876 xb_st1 ctynmes**Description**

Star Tracker 1 Star measured co-ordinate along Yn axis (pixel)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7877 xb_st1 ctyvemes**Description**

Star Tracker 1 Star measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7878 xb_st1 ctzvemes**Description**

Star Tracker 1 Star measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.7879 xb_st1 defpixpat1**Description**

Star Tracker 1 Pattern of star 1 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7880 xb_st1 defpixpat2**Description**

Star Tracker 1 Pattern of star 2 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7881 xb_st1 defpixpat3**Description**

Star Tracker 1 Pattern of star 3 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.7882 xb_st1 defpixpat4**Description**

Star Tracker 1 Pattern of star 4 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7883 xb_st1 defpixpat5**Description**

Star Tracker 1 Pattern of star 5 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7884 xb_st1 defpixpat6**Description**

Star Tracker 1 Pattern of star 6 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7885 xb_st1 defpixpat7**Description**

Star Tracker 1 Pattern of star 7 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.7886 xb_st1 dgadrerr1**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm.sid (3940)

E.7887 xb_st1 dgadrerr10**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7888 xb_st1 dgadrerr11**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7889 xb_st1 dgadrerr2**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7890 xb_st1 dgadrerr3**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7891 xb_st1 dgadrerr4**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7892 xb_st1 dgadrerr5**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7893 xb_st1 dgadrerr6**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7894 xb_st1 dgadrerr7**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7895 xb_st1 dgadrerr8**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7896 xb_st1 dgadrerr9**Description**

Star Tracker 1 SPARC Address of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7897 xb_st1 dganaoff1**Description**

Star Tracker 1 Test 1: measurement of analog offset

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	150
yellow high	150
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7898 xb_st1 dganaoff2**Description**

Star Tracker 1 Test 2: measurement of analog offset

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	150
yellow high	150
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.7899 xb_st1 dgcoderr1**Description**

Star Tracker 1 Last error code of class 1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.7900 xb_st1 dgcoderr10**Description**

Star Tracker 1 Last error code of class 10

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.7901 xb_st1 dgcoderr11**Description**

Star Tracker 1 Last error code of class 11

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7902 xb_st1 dgcoderr2**Description**

Star Tracker 1 Last error code of class 2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7903 xb_st1 dgcoderr3**Description**

Star Tracker 1 Last error code of class 3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7904 xb_st1 dgcoderr4**Description**

Star Tracker 1 Last error code of class 4

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7905 xb_st1 dgcoderr5**Description**

Star Tracker 1 Last error code of class 5

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7906 xb_st1 dgcoderr6**Description**

Star Tracker 1 Last error code of class 6

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7907 xb_st1 dgcoderr7**Description**

Star Tracker 1 Last error code of class 7

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7908 xb_st1 dgcoderr8**Description**

Star Tracker 1 Last error code of class 8

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7909 xb_st1 dgcoderr9**Description**

Star Tracker 1 Last error code of class 9

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7910 xb_st1 dgcpterr1**Description**

Star Tracker 1 Error counter of error 1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7911 xb_st1 dgcpterr10**Description**

Star Tracker 1 Error counter of error 10

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7912 xb_st1 dgcpterr11**Description**

Star Tracker 1 Error counter of error 11

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7913 xb_st1 dgcpterr12**Description**

Star Tracker 1 Error counter of error 12

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7914 xb_st1 dgcpterr13**Description**

Star Tracker 1 Error counter of error 13

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7915 xb_st1 dgcpterr14**Description**

Star Tracker 1 Error counter of error 14

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7916 xb_st1 dgcpterr15**Description**

Star Tracker 1 Error counter of error 15

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7917 xb_st1 dgcpterr16**Description**

Star Tracker 1 Error counter of error 16

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7918 xb_st1 dgcpterr17**Description**

Star Tracker 1 Error counter of error 17

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7919 xb_st1 dgcpterr18**Description**

Star Tracker 1 Error counter of error 18

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7920 xb_st1 dgcpterr19**Description**

Star Tracker 1 Error counter of error 19

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7921 xb_st1 dgcpterr2**Description**

Star Tracker 1 Error counter of error 2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7922 xb_st1 dgcpterr20**Description**

Star Tracker 1 Error counter of error 20

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7923 xb_st1 dgcpterr21**Description**

Star Tracker 1 Error counter of error 21

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7924 xb_st1 dgcpterr22**Description**

Star Tracker 1 Error counter of error 22

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7925 xb_st1 dgcpterr23**Description**

Star Tracker 1 Error counter of error 23

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7926 xb_st1 dgcpterr24**Description**

Star Tracker 1 Error counter of error 24

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7927 xb_st1 dgcpterr25**Description**

Star Tracker 1 Error counter of error 25

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7928 xb_st1 dgcpterr26**Description**

Star Tracker 1 Error counter of error 26

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7929 xb_st1 dgcpterr27**Description**

Star Tracker 1 Error counter of error 27

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7930 xb_st1 dgcpterr28**Description**

Star Tracker 1 Error counter of error 28

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7931 xb_st1 dgcpterr29**Description**

Star Tracker 1 Error counter of error 29

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7932 xb_st1 dgcpterr3**Description**

Star Tracker 1 Error counter of error 3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7933 xb_st1 dgcpterr30**Description**

Star Tracker 1 Error counter of error 30

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7934 xb_st1 dgcpterr31**Description**

Star Tracker 1 Error counter of error 31

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7935 xb_st1 dgcpterr32**Description**

Star Tracker 1 Error counter of error 32

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7936 xb_st1 dgcpterr33**Description**

Star Tracker 1 Error counter of error 33

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7937 xb_st1 dgcpterr34**Description**

Star Tracker 1 Error counter of error 34

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7938 xb_st1 dgcpterr35**Description**

Star Tracker 1 Error counter of error 35

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7939 xb_st1 dgcpterr36**Description**

Star Tracker 1 Error counter of error 36

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7940 xb_st1 dgcpterr37**Description**

Star Tracker 1 Error counter of error 37

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7941 xb_st1 dgcpterr38**Description**

Star Tracker 1 Error counter of error 38

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7942 xb_st1 dgcpterr39**Description**

Star Tracker 1 Error counter of error 39

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7943 xb_st1 dgcpterr4**Description**

Star Tracker 1 Error counter of error 4

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7944 xb_st1 dgcpterr40**Description**

Star Tracker 1 Error counter of error 40

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7945 xb_st1 dgcpterr41**Description**

Star Tracker 1 Error counter of error 41

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7946 xb_st1 dgcpterr42**Description**

Star Tracker 1 Error counter of error 42

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7947 xb_st1 dgcpterr43**Description**

Star Tracker 1 Error counter of error 43

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7948 xb_st1 dgcpterr44**Description**

Star Tracker 1 Error counter of error 44

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7949 xb_st1 dgcpterr45**Description**

Star Tracker 1 Error counter of error 45

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7950 xb_st1 dgcpterr46**Description**

Star Tracker 1 Error counter of error 46

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7951 xb_st1 dgcpterr47**Description**

Star Tracker 1 Error counter of error 47

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7952 xb_st1 dgcpterr48**Description**

Star Tracker 1 Error counter of error 48

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7953 xb_st1 dgcpterr49**Description**

Star Tracker 1 Error counter of error 49

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7954 xb_st1 dgcpterr5**Description**

Star Tracker 1 Error counter of error 5

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7955 xb_st1 dgcpterr50**Description**

Star Tracker 1 Error counter of error 50

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7956 xb_st1 dgcpterr51**Description**

Star Tracker 1 Error counter of error 51

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7957 xb_st1 dgcpterr52**Description**

Star Tracker 1 Error counter of error 52

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7958 xb_st1 dgcpterr53**Description**

Star Tracker 1 Error counter of error 53

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7959 xb_st1 dgcpterr54**Description**

Star Tracker 1 Error counter of error 54

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7960 xb_st1 dgcpterr55**Description**

Star Tracker 1 Error counter of error 55

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7961 xb_st1 dgcpterr56**Description**

Star Tracker 1 Error counter of error 56

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7962 xb_st1 dgcpterr57**Description**

Star Tracker 1 Error counter of error 57

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7963 xb_st1 dgcpterr58**Description**

Star Tracker 1 Error counter of error 58

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7964 xb_st1 dgcpterr59**Description**

Star Tracker 1 Error counter of error 59

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7965 xb_st1 dgcpterr6**Description**

Star Tracker 1 Error counter of error 6

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7966 xb_st1 dgcpterr60**Description**

Star Tracker 1 Error counter of error 60

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7967 xb_st1 dgcpterr61**Description**

Star Tracker 1 Error counter of error 61

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7968 xb_st1 dgcpterr62**Description**

Star Tracker 1 Error counter of error 62

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7969 xb_st1 dgcpterr63**Description**

Star Tracker 1 Error counter of error 63

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7970 xb_st1 dgcpterr64**Description**

Star Tracker 1 Error counter of error 64

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7971 xb_st1 dgcpterr65**Description**

Star Tracker 1 Error counter of error 65

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7972 xb_st1 dgcpterr66**Description**

Star Tracker 1 Error counter of error 66

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7973 xb_st1 dgcpterr67**Description**

Star Tracker 1 Error counter of error 67

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7974 xb_st1 dgcpterr68**Description**

Star Tracker 1 Error counter of error 68

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7975 xb_st1 dgcpterr69**Description**

Star Tracker 1 Error counter of error 69

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7976 xb_st1 dgcpterr7**Description**

Star Tracker 1 Error counter of error 7

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7977 xb_st1 dgcpterr70**Description**

Star Tracker 1 Error counter of error 70

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7978 xb_st1 dgcpterr71**Description**

Star Tracker 1 Error counter of error 71

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7979 xb_st1 dgcpterr72**Description**

Star Tracker 1 Error counter of error 72

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7980 xb_st1 dgcpterr73**Description**

Star Tracker 1 Error counter of error 73

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7981 xb_st1 dgcpterr74**Description**

Star Tracker 1 Error counter of error 74

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7982 xb_st1 dgcpterr75**Description**

Star Tracker 1 Error counter of error 75

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7983 xb_st1 dgcpterr76**Description**

Star Tracker 1 Error counter of error 76

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7984 xb_st1 dgcpterr77**Description**

Star Tracker 1 Error counter of error 77

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7985 xb_st1 dgcpterr78**Description**

Star Tracker 1 Error counter of error 78

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7986 xb_st1 dgcpterr79**Description**

Star Tracker 1 Error counter of error 79

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7987 xb_st1 dgcpterr8**Description**

Star Tracker 1 Error counter of error 8

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7988 xb_st1 dgcpterr80**Description**

Star Tracker 1 Error counter of error 80

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7989 xb_st1 dgcpterr9**Description**

Star Tracker 1 Error counter of error 9

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7990 xb_st1 dgcpterrcla1**Description**

Star Tracker 1 Error counter of class 1

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7991 xb_st1 dgcpterrcla10**Description**

Star Tracker 1 Error counter of class 10

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7992 xb_st1 dgcpterrcla11**Description**

Star Tracker 1 Error counter of class 11

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7993 xb_st1 dgcpterrcla2**Description**

Star Tracker 1 Error counter of class 2

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7994 xb_st1 dgcpterrcla3**Description**

Star Tracker 1 Error counter of class 3

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7995 xb_st1 dgcpterrcla4**Description**

Star Tracker 1 Error counter of class 4

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7996 xb_st1 dgcpterrcla5**Description**

Star Tracker 1 Error counter of class 5

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7997 xb_st1 dgcpterrcla6**Description**

Star Tracker 1 Error counter of class 6

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7998 xb_st1 dgcpterrcla7**Description**

Star Tracker 1 Error counter of class 7

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.7999 xb_st1 dgcpterrcla8**Description**

Star Tracker 1 Error counter of class 8

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8000 xb_st1 dgcpterrcla9**Description**

Star Tracker 1 Error counter of class 9

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8001 xb_st1 dgdterr1**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8002 xb_st1 dgdterr10**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8003 xb_st1 dgdterr11**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8004 xb_st1 dgdterr2**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8005 xb_st1 dgdterr3**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8006 xb_st1 dgdterr4**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8007 xb_st1 dgdterr5**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8008 xb_st1 dgdterr6**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8009 xb_st1 dgdterr7**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8010 xb_st1 dgdterr8**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8011 xb_st1 dgdterr9**Description**

Star Tracker 1 Timing of last error

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8012 xb_st1 dgecaanaoff1**Description**

Star Tracker 1 Test 1: standard deviation of analog offset

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	15
yellow high	15
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8013 xb_st1 dgecaanaoff2**Description**

Star Tracker 1 Test 2: standard deviation of analog offset

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	15
yellow high	15
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8014 xb_st1 dgecaobscdd1**Description**

Star Tracker 1 Test 1: standard deviation of CCD darkness voltage

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	130
yellow high	130
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8015 xb_st1 dgecaobscdd2**Description**

Star Tracker 1 Test 2: standard deviation of CCD darkness voltage

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	130
yellow high	130
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8016 xb_st1 dgfrmcntnumsa10**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8017 xb_st1 dgfrmcntnumsa11**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8018 xb_st1 dgfrmcntnumsa12**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8019 xb_st1 dgfrmcntnumsa7**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8020 xb_st1 dgfrmcntnumsa8**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8021 xb_st1 dgfrmcntnumsa9**Description**

Star Tracker 1 Frame count

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8022 xb_st1 dgfrmcntvlds10**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8023 xb_st1 dgfrmcntvlds11**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8024 xb_st1 dgfrmcntvlds12**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.8025 xb_st1 dgfrmcntvlds7**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.8026 xb_st1 dgfrmcntvlds8**Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8027 xb_st1 dgfrmcntvlds9****Description**

Star Tracker 1 Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8028 xb_st1 dghws****Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8029 xb_st1 dghwss****Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8030 xb_st1 dginttstsucc**Description**

Star Tracker 1 Integration time is successful

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	CAUTION
YES	1	GOOD

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8031 xb_st1 dglws**Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8032 xb_st1 dglwss**Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8033 xb_st1 dgnbpixsat2**Description**

Star Tracker 1 Test 2: number of saturated pixels in image zone

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	2
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8034 xb_st1 dgobscdd1**Description**

Star Tracker 1 Test 1: measurement of CCD darkness voltage

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	1300
yellow high	1300
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.8035 xb_st1 dgobscdd2**Description**

Star Tracker 1 Test 2: measurement of CCD darkness voltage

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	1300
yellow high	1300
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.8036 xb_st1 dgpid**Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 dg.tlm.sid (3940)

E.8037 xb_st1 dgpl**Description**

Star Tracker 1 diagnostic packet: Header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8038 xb_st1 dgressa8**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8039 xb_st1 dgressa9**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8040 xb_st1 dgsainfonu1sa10**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8041 xb_st1 dgsainfonu1sa11**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8042 xb_st1 dgsainfonu1sa12**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8043 xb_st1 dgsainfonu1sa7**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8044 xb_st1 dgsainfonu1sa8**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8045 xb_st1 dgsainfonu1sa9**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8046 xb_st1 dgsainfonu2sa10**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8047 xb_st1 dgsainfonu2sa11**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8048 xb_st1 dgsainfonu2sa12**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8049 xb_st1 dgsainfonu2sa7**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8050 xb_st1 dgsainfonu2sa8**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8051 xb_st1 dgsainfonu2sa9**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8052 xb_st1 dgsct**Description**

Star Tracker 1 diagnostic packet: Header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 dg_tlm_sid (3940)

E.8053 xb_st1 dgselftiseqmes**Description**

Star Tracker 1 Measurement of CCD integration time

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	101.099998474121
yellow high	101.099998474121
yellow low	98.9000015258789
red low	98.9000015258789
delta	<i>none</i>

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8054 xb_st1 dgsflg****Description**

Star Tracker 1 diagnostic packet: Header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8055 xb_st1 dgsyntdefsp****Description**

spare

Data Type

15 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 dg_tlm_sid** (3940)**E.8056 xb_st1 dtmesrefttmdel****Description**

Star Tracker 1 time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	20
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb.st1 car_trk_tlm** (3935)**E.8057 xb_st1 dtmesstatmrcnt****Description**

Star Tracker 1 REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 car_trk_tlm** (3935)**E.8058 xb_st1 etaidnu1****Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb.st1 car_aq1_tlm** (3929)

E.8059 xb_st1 etaidnu2**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8060 xb_st1 etaidnu3**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8061 xb_st1 etaidnu4**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8062 xb_st1 etaidnu5**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8063 xb_st1 etaidnu6**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8064 xb_st1 etaidnu7**Description**

Reserved

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8065 xb_st1 iddmnoutofrange**Description**

Star Tracker 1 Identification domain out of usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.8066 xb_st1 idtm**Description**

Telemetry identifier

Data Type

16 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
AUTO_ACQ	10	GOOD
AUTO_TRACK	11	GOOD

Telemetry Source Packets

xb_st1 aq_tlm (3917), xb_st1 trk_tlm (3951)

E.8067 xb_st1 mag2big1**Description**

Star Tracker 1 Magnitude of star 1 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.8068 xb_st1 mag2big2****Description**

Star Tracker 1 Magnitude of star 2 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.8069 xb_st1 mag2big3****Description**

Star Tracker 1 Magnitude of star 3 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq1_tlm** (3929)**E.8070 xb_st1 mag2big4****Description**

Star Tracker 1 Magnitude of star 4 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq2_tlm** (3932)

E.8071 xb_st1 mag2big5**Description**

Star Tracker 1 Magnitude of star 5 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8072 xb_st1 mag2big6**Description**

Star Tracker 1 Magnitude of star 6 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8073 xb_st1 mag2big7**Description**

Star Tracker 1 Magnitude of star 7 is too great

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8074 xb_st1 mag2sml1**Description**

Star Tracker 1 Magnitude of star 1 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8075 xb_st1 mag2sml2**Description**

Star Tracker 1 Magnitude of star 2 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8076 xb_st1 mag2sml3**Description**

Star Tracker 1 Magnitude of star 3 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8077 xb_st1 mag2sml4**Description**

Star Tracker 1 Magnitude of star 4 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8078 xb_st1 mag2sml5**Description**

Star Tracker 1 Magnitude of star 5 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8079 xb_st1 mag2sml6**Description**

Star Tracker 1 Magnitude of star 6 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8080 xb_st1 mag2sml7**Description**

Star Tracker 1 Magnitude of star 7 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8081 xb_st1 numidstrs2big**Description**

Star Tracker 1 Number of identified stars is greater than allowed number NbTM in

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of identified stars is greater than allowed number NbTM in telemetry (60)

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.8082 xb_st1 numidstrsgtnbtlm**Description**

Star Tracker 1 Number of identified stars when this number is greater than NbTM

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of identified stars when this number is greater than NbTM number

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.8083 xb_st1 numidstrsisnull**Description**

Star Tracker 1 Number of identified stars NbIden is null FLAG

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.8084 xb_st1 numretpixs2big**Description**

Star Tracker 1 Number of retained pixels is greater than allowed number (2047) F

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Discussion

Star Tracker 1 Number of retained pixels is greater than allowed number (2047) FLAG

Telemetry Source Packets

xb_st1 car_trk_tlm (3935)

E.8085 xb_st1 pwr**Description**

EPS Slow Telemetry Message from APE; St1 Power

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	GOOD
ON	1	GOOD

Telemetry Source Packets**xb_eps_slw_tlm** (3907)**E.8086 xb_st1 satpixpat1****Description**

Star Tracker 1 Pattern of star 1 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1_car_aq1_tlm** (3929)**E.8087 xb_st1 satpixpat2****Description**

Star Tracker 1 Pattern of star 2 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1_car_aq1_tlm** (3929)**E.8088 xb_st1 satpixpat3****Description**

Star Tracker 1 Pattern of star 3 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8089 xb_st1 satpixpat4**Description**

Star Tracker 1 Pattern of star 4 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8090 xb_st1 satpixpat5**Description**

Star Tracker 1 Pattern of star 5 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8091 xb_st1 satpixpat6**Description**

Star Tracker 1 Pattern of star 6 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq2_tlm** (3932)**E.8092 xb_st1 satpixpat7****Description**

Star Tracker 1 Pattern of star 7 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 car_aq2_tlm** (3932)**E.8093 xb_st1 stact2pad1padb0****Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)**E.8094 xb_st1 stact2pad1padb1****Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)

E.8095 xb_st1 stact2pad1padb2**Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8096 xb_st1 stact2pad1padb3**Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8097 xb_st1 stact2pad1padb4**Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8098 xb_st1 stact2pad1padb5**Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8099 xb_st1 stact2pad1padb6**Description**

Star Tracker Status telemetry; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8100 xb_st1 stact2pad2pd100**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8101 xb_st1 stact2pad2pd101**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8102 xb_st1 stact2pad2pd102**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8103 xb_st1 stact2pad2pd103**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8104 xb_st1 stact2pad2pd104**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8105 xb_st1 stact2pad2pd105**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8106 xb_st1 stact2pad2pd106**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8107 xb_st1 stact2pad2pd107**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8108 xb_st1 stact2pad2pd108**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8109 xb_st1 stact2pad2pd109**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8110 xb_st1 stact2pad2pd110**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8111 xb_st1 stact2pad2pd111**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8112 xb_st1 statact2pad2pd0**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8113 xb_st1 statact2pad2pd1**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8114 xb_st1 statact2pad2pd10**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8115 xb_st1 statact2pad2pd11**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8116 xb_st1 statact2pad2pd12**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8117 xb_st1 statact2pad2pd13**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8118 xb_st1 statact2pad2pd14**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8119 xb_st1 statact2pad2pd15**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8120 xb_st1 statact2pad2pd16**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8121 xb_st1 statact2pad2pd17**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8122 xb_st1 statact2pad2pd18**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8123 xb_st1 statact2pad2pd19**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8124 xb_st1 statact2pad2pd2**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8125 xb_st1 statact2pad2pd20**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8126 xb_st1 statact2pad2pd21**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8127 xb_st1 statact2pad2pd22**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8128 xb_st1 statact2pad2pd23**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8129 xb_st1 statact2pad2pd24**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8130 xb_st1 statact2pad2pd25**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8131 xb_st1 statact2pad2pd26**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8132 xb_st1 statact2pad2pd27**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8133 xb_st1 statact2pad2pd28**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8134 xb_st1 statact2pad2pd29**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8135 xb_st1 statact2pad2pd3**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8136 xb_st1 statact2pad2pd30**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8137 xb_st1 statact2pad2pd31**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8138 xb_st1 statact2pad2pd32**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8139 xb_st1 statact2pad2pd33**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8140 xb_st1 statact2pad2pd34**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8141 xb_st1 statact2pad2pd35**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8142 xb_st1 statact2pad2pd36**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8143 xb_st1 statact2pad2pd37**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8144 xb_st1 statact2pad2pd38**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8145 xb_st1 statact2pad2pd39**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8146 xb_st1 statact2pad2pd4**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8147 xb_st1 statact2pad2pd40**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8148 xb_st1 statact2pad2pd41**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8149 xb_st1 statact2pad2pd42**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8150 xb_st1 statact2pad2pd43**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8151 xb_st1 statact2pad2pd44**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8152 xb_st1 statact2pad2pd45**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8153 xb_st1 statact2pad2pd46**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8154 xb_st1 statact2pad2pd47**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8155 xb_st1 statact2pad2pd48**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8156 xb_st1 statact2pad2pd49**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8157 xb_st1 statact2pad2pd5**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8158 xb_st1 statact2pad2pd50**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8159 xb_st1 statact2pad2pd51**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8160 xb_st1 statact2pad2pd52**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8161 xb_st1 statact2pad2pd53**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8162 xb_st1 statact2pad2pd54**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8163 xb_st1 statact2pad2pd55**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8164 xb_st1 statact2pad2pd56**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8165 xb_st1 statact2pad2pd57**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8166 xb_st1 statact2pad2pd58**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8167 xb_st1 statact2pad2pd59**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8168 xb_st1 statact2pad2pd6**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8169 xb_st1 statact2pad2pd60**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8170 xb_st1 statact2pad2pd61**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8171 xb_st1 statact2pad2pd62**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8172 xb_st1 statact2pad2pd63**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8173 xb_st1 statact2pad2pd64**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8174 xb_st1 statact2pad2pd65**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8175 xb_st1 statact2pad2pd66**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8176 xb_st1 statact2pad2pd67**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8177 xb_st1 statact2pad2pd68**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8178 xb_st1 statact2pad2pd69**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8179 xb_st1 statact2pad2pd7**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8180 xb_st1 statact2pad2pd70**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8181 xb_st1 statact2pad2pd71**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8182 xb_st1 statact2pad2pd72**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8183 xb_st1 statact2pad2pd73**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8184 xb_st1 statact2pad2pd74**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8185 xb_st1 statact2pad2pd75**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8186 xb_st1 statact2pad2pd76**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8187 xb_st1 statact2pad2pd77**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8188 xb_st1 statact2pad2pd78**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8189 xb_st1 statact2pad2pd79**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8190 xb_st1 statact2pad2pd8**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8191 xb_st1 statact2pad2pd80**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8192 xb_st1 statact2pad2pd81**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8193 xb_st1 statact2pad2pd82**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8194 xb_st1 statact2pad2pd83**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8195 xb_st1 statact2pad2pd84**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8196 xb_st1 statact2pad2pd85**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8197 xb_st1 statact2pad2pd86**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8198 xb_st1 statact2pad2pd87**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8199 xb_st1 statact2pad2pd88**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8200 xb_st1 statact2pad2pd89**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8201 xb_st1 statact2pad2pd9**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8202 xb_st1 statact2pad2pd90**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8203 xb_st1 statact2pad2pd91**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8204 xb_st1 statact2pad2pd92**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8205 xb_st1 statact2pad2pd93**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8206 xb_st1 statact2pad2pd94**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8207 xb_st1 statact2pad2pd95**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8208 xb_st1 statact2pad2pd96**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8209 xb_st1 statact2pad2pd97**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8210 xb_st1 statact2pad2pd98**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8211 xb_st1 statact2pad2pd99**Description**

Star Tracker Status telemetry; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8212 xb_st1 statanalogtlmalm**Description**

Star Tracker 1 Alarm of analog telemetries

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8213 xb_st1 statanomrecovcnt**Description**

Star Tracker 1 Counter of anomalies recovery

Data Type

5 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8214 xb_st1 statcalpara**Description**

Star Tracker 1 Calibration parameters by default

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
DEFAULT	0	GOOD
REDEFINED	1	GOOD

Telemetry Source Packets**xb.st1 tlm** (3949)**E.8215 xb_st1 statcmdvld****Description**

Star Tracker 1 Validity of last received telecommand

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
VALID	0	GOOD
NOT_VALID	1	CAUTION

Telemetry Source Packets**xb.st1 tlm** (3949)**E.8216 xb_st1 statcpuf****Description**

Star Tracker 1 CPU failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb.st1 tlm** (3949)

E.8217 xb_st1 statcurmd**Description**

Star Tracker 1 Current mode

Data Type

5 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
INIT	0	GOOD
STAND_BY	1	GOOD
MEM_READ	2	GOOD
MEM_WRITE	3	GOOD
SELF_TEST	4	GOOD
CALIB	5	GOOD
ACQ_CHAR	6	GOOD
TRACK_CHAR	7	GOOD
CAT_LOAD	8	GOOD
PARS_LOAD	9	GOOD
AUTO_ACQ	10	GOOD
AUTO_TRACK	11	GOOD
AUTO_POINT	12	GOOD
CRC	13	GOOD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8218 xb_st1 statfatalerrclas**Description**

Star Tracker 1 Fatal errors classes (watch dog)

Data Type

6 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO_ERROR	0	GOOD
NO_ERROR	1	GOOD
WATCH_DOG	2	BAD
MEM_EXCEPT	3	BAD
SEQUENCER	4	BAD
VIDEO_PREPROC	5	BAD
SERIAL_1553	6	BAD
ANALOG_ACQ	7	BAD
SYSTEM	8	BAD
MATHEMATICAL	9	BAD
SOFTWARE	10	BAD
UNEXPECTED	11	CAUTION
STR_FAIL	12	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8219 xb_st1 stathealthstat**Description**

Star Tracker Status telemetry

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8220 xb_st1 stathsnu**Description**

spare

Data Type

6 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8221 xb_st1 stathwinitfl**Description**

Star Tracker 1 H/W init. failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8222 xb_st1 statmaintreq**Description**

Star Tracker 1 Maintenance request

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8223 xb_st1 statmatnu**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8224 xb_st1 statmatres**Description**

spare

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8225 xb_st1 statmatwd**Description**

Star Tracker 1 Material status: watch dog activity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
OFF	0	BAD
ON	1	GOOD

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8226 xb_st1 statmesm5v****Description**

ST1 Negative 5 volt monitor

Data Type

16 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.5
yellow high	5.25
yellow low	4.75
red low	4.5
delta	<i>none</i>

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8227 xb_st1 statmesp5v****Description**

ST1 Positive 5 volt monitor

Data Type

16 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.5
yellow high	5.25
yellow low	4.75
red low	4.5
delta	<i>none</i>

Telemetry Source Packets

xb_st1 tlm (3949)

E.8228 xb_st1 statmesvccd**Description**

ST1 CCD voltage monitor

Data Type

16 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.5
yellow high	5.25
yellow low	4.75
red low	4.5
delta	<i>none</i>

Telemetry Source Packets

xb.st1 tlm (3949)

E.8229 xb_st1 statmesvclk**Description**

ST1 clock voltage monitor

Data Type

16 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	9.99999974737875e-05
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5.5
yellow high	5.25
yellow low	4.75
red low	4.5
delta	<i>none</i>

Telemetry Source Packets

xb.st1 tlm (3949)

E.8230 xb_st1 statmesvppeL**Description**

ST1 TEC voltage monitor

Data Type

16 bits, unsigned integer, engineering units = V.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.025000000372529
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	5
yellow high	4.90000009536743
yellow low	-9.99999974737875e-05
red low	-9.99999974737875e-05
delta	<i>none</i>

Telemetry Source Packets

xb.st1 tlm (3949)

E.8231 xb_st1 statptorder**Description**

Star Tracker 1 Order of Peltier temperature by default

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
AMBIENT	0	GOOD
VACUUM	1	GOOD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8232 xb_st1 statramfl**Description**

Star Tracker 1 RAM failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8233 xb_st1 statreccmd**Description**

Star Tracker 1 New received telecommand

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8234 xb_st1 statreftdel**Description**

Star Tracker 1 Time delay since last received REFT pulse

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	20
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 tlm (3949)

E.8235 xb_st1 statresbts**Description**

spare

Data Type

10 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8236 xb_st1 statrtexfl****Description**

Star Tracker 1 Real time Exec. failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8237 xb_st1 statsecstat****Description**

Star Tracker Status telemetry

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)**E.8238 xb_st1 statsecvoltfl****Description**

Star Tracker 1 Sec voltage failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb.st1 tlm (3949)

E.8239 xb_st1 statsp10**Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 stat_action2 (3945)

E.8240 xb_st1 statsp1stmatnu**Description**

Star Tracker Status telemetry

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 stat_action2 (3945)

E.8241 xb_st1 statsp1stmatres**Description**

Star Tracker Status telemetry

Data Type

8 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8242 xb_st1 statsp1stmatwd**Description**

Star Tracker Status telemetry

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8243 xb_st1 statsp2reftdel**Description**

Star Tracker Status telemetry

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8244 xb_st1 statsp2statmref**Description**

Star Tracker Status telemetry

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8245 xb_st1 statsp3**Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8246 xb_st1 statsp4**Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8247 xb_st1 statsp5**Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)**E.8248 xb_st1 statsp6****Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)**E.8249 xb_st1 statsp7****Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)**E.8250 xb_st1 statsp8****Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 stat_action2** (3945)

E.8251 xb_st1 statsp9**Description**

Star Tracker Status telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8252 xb_st1 statstatmref**Description**

Star Tracker 1 REFT counter

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8253 xb_st1 statstrfl**Description**

Star Tracker 1 STR failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8254 xb_st1 statswinitfl****Description**

Star Tracker 1 S/W init. Failure (boot)

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8255 xb_st1 statswmodfl****Description**

Star Tracker 1 S/W Module failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb_st1 tlm** (3949)

E.8256 xb_st1 statsyndefd**Description**

Star Tracker Status telemetry

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	1
yellow high	0.5
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb_st1 stat_action2 (3945)

E.8257 xb_st1 statsynnu1**Description**

spare

Data Type

9 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8258 xb_st1 statsynnu2**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 tlm (3949)

E.8259 xb_st1 stattemm5valm**Description**

Star Tracker 1 Alarm of tension -5V

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb.st1 tlm (3949)

E.8260 xb_st1 stattemp5valm**Description**

Star Tracker 1 Alarm of tension +5V

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb.st1 tlm (3949)

E.8261 xb_st1 stattpcdmes**Description**

ST1 CCD temperature

Data Type

16 bits, signed integer, engineering units = C.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	75
yellow high	65
yellow low	-30
red low	-40
delta	<i>none</i>

Telemetry Source Packets

xb_st1 tlm (3949)

E.8262 xb_st1 stattpelemes**Description**

ST1 electronics temperature

Data Type

16 bits, signed integer, engineering units = C.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	75
yellow high	65
yellow low	-30
red low	-40
delta	<i>none</i>

Telemetry Source Packets

xb.st1 tlm (3949)

E.8263 xb_st1 stattpobjmes**Description**

ST1 lense temperature

Data Type

16 bits, signed integer, engineering units = C.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	1
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Limits

alarm	limit
red high	75
yellow high	65
yellow low	-30
red low	-40
delta	<i>none</i>

Telemetry Source Packets**xb.st1 tlm** (3949)**E.8264 xb_st1 statwd****Description**

Star Tracker 1 Watch dog

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets**xb.st1 tlm** (3949)

E.8265 xb_st1 stclktenvclkalm**Description**

Star Tracker 1 Alarm of clock tension VCLK

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8266 xb_st1 steffl**Description**

Star Tracker 1 EEPROM failure

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8267 xb_st1 stplrtenvccdalm**Description**

Star Tracker 1 Alarm of polarization tension VCCD

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb.st1 tlm (3949)

E.8268 xb_st1 str10numpixlsml**Description**

Number of pixels of star 10 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8269 xb_st1 str10outdom**Description**

Measurement domain of star 9 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8270 xb_st1 str10stdefpix**Description**

Pattern of star 10 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8271 xb_st1 str10stdifmeslrg**Description**

Difference between expected and measured Magnitude 10 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8272 xb_st1 str10stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8273 xb_st1 str10stlowsignal**Description**

Signal of star 10 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8274 xb_st1 str10stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8275 xb_st1 str10stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8276 xb_st1 str10stnomes**Description**

No measurement available of star 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8277 xb_st1 str10stoutcohdom****Description**

Star 10 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8278 xb_st1 str10stoutfov****Description**

Star 10 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8279 xb_st1 str10stovrlap****Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)

E.8280 xb_st1 str10stsatpix**Description**

Pattern of star 10 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8281 xb_st1 str10ststraylrg**Description**

Mean signal of straylight of star 10 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8282 xb_st1 str1numpixlsml**Description**

Number of pixels of star 1 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8283 xb_st1 str1outdom**Description**

Measurement domain of star 1 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8284 xb_st1 str1stdefpix**Description**

Pattern of star 1 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8285 xb_st1 str1stdifmeslrg**Description**

Difference between expected and measured Magnitude 1 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8286 xb_st1 str1stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8287 xb_st1 str1stlowsignal**Description**

Signal of star 1 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8288 xb_st1 str1stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8289 xb_st1 str1stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8290 xb_st1 str1stnomes**Description**

No measurement available of star 1

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8291 xb_st1 str1stoutcohdn**Description**

Star 1 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8292 xb_st1 str1stoutfov**Description**

Star 1 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8293 xb_st1 str1stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8294 xb_st1 str1stsatpix**Description**

Pattern of star 1 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8295 xb_st1 str1ststraylrg**Description**

Mean signal of straylight of star 1 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8296 xb_st1 str2numpixlsm1**Description**

Number of pixels of star 2 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8297 xb_st1 str2outdom**Description**

Measurement domain of star 2 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8298 xb_st1 str2stdefpix**Description**

Pattern of star 2 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8299 xb_st1 str2stdifmeslrg**Description**

Difference between expected and measured Magnitude 2 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8300 xb_st1 str2stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8301 xb_st1 str2stlowsignal**Description**

Signal of star 2 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8302 xb_st1 str2stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8303 xb_st1 str2stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8304 xb_st1 str2stnomes**Description**

No measurement available of star 2

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8305 xb_st1 str2stoutcohdom**Description**

Star 2 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8306 xb_st1 str2stoutfov**Description**

Star 2 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8307 xb_st1 str2stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8308 xb_st1 str2stsatpix**Description**

Pattern of star 2 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8309 xb_st1 str2ststraylrg**Description**

Mean signal of straylight of star 2 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8310 xb_st1 str3numpixlsml**Description**

Number of pixels of star 3 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8311 xb_st1 str3outdom**Description**

Measurement domain of star 3 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8312 xb_st1 str3stdefpix**Description**

Pattern of star 3 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8313 xb_st1 str3stdifmeslrg**Description**

Difference between expected and measured Magnitude 3 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8314 xb_st1 str3stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8315 xb_st1 str3stlowsignal**Description**

Signal of star 3 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8316 xb_st1 str3stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8317 xb_st1 str3stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8318 xb_st1 str3stnomes**Description**

No measurement available of star 3

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8319 xb_st1 str3stoutcohdom**Description**

Star 3 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8320 xb_st1 str3stoutfov**Description**

Star 3 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8321 xb_st1 str3stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8322 xb_st1 str3stsatpix**Description**

Pattern of star 3 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8323 xb_st1 str3ststraylrg**Description**

Mean signal of straylight of star 3 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8324 xb_st1 str4numpixlsm1**Description**

Number of pixels of star 4 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8325 xb_st1 str4outdom**Description**

Measurement domain of star 4 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8326 xb_st1 str4stdefpix**Description**

Pattern of star 4 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8327 xb_st1 str4stdifmeslrg**Description**

Difference between expected and measured Magnitude 4 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8328 xb_st1 str4stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8329 xb_st1 str4stlowsignal**Description**

Signal of star 4 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8330 xb_st1 str4stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8331 xb_st1 str4stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8332 xb_st1 str4stnomes**Description**

No measurement available of star 4

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8333 xb_st1 str4stoutcohdnm**Description**

Star 4 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8334 xb_st1 str4stoutfov**Description**

Star 4 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8335 xb_st1 str4stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8336 xb_st1 str4stsatpix**Description**

Pattern of star 4 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8337 xb_st1 str4ststraylrg**Description**

Mean signal of straylight of star 4 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8338 xb_st1 str5numpixlsml**Description**

Number of pixels of star 5 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8339 xb_st1 str5outdom**Description**

Measurement domain of star 5 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8340 xb_st1 str5stdefpix**Description**

Pattern of star 5 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8341 xb_st1 str5stdifmeslrg**Description**

Difference between expected and measured Magnitude 5 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8342 xb_st1 str5stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8343 xb_st1 str5stlowsignal**Description**

Signal of star 5 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8344 xb_st1 str5stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8345 xb_st1 str5stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8346 xb_st1 str5stnomes**Description**

No measurement available of star 5

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8347 xb_st1 str5stoutcohdom**Description**

Star 5 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8348 xb_st1 str5stoutfov**Description**

Star 5 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8349 xb_st1 str5stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8350 xb_st1 str5stsatpix**Description**

Pattern of star 5 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8351 xb_st1 str5ststraylrg**Description**

Mean signal of straylight of star 5 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8352 xb_st1 str6numpixlsml**Description**

Number of pixels of star 6 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8353 xb_st1 str6outdom**Description**

Measurement domain of star 6 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8354 xb_st1 str6stdefpix**Description**

Pattern of star 6 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8355 xb_st1 str6stdifmeslrg**Description**

Difference between expected and measured Magnitude 6 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8356 xb_st1 str6stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8357 xb_st1 str6stlowsignal**Description**

Signal of star 6 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8358 xb_st1 str6stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8359 xb_st1 str6stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8360 xb_st1 str6stnomes**Description**

No measurement available of star 6

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8361 xb_st1 str6stoutcohdom**Description**

Star 6 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8362 xb_st1 str6stoutfov**Description**

Star 6 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8363 xb_st1 str6stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8364 xb_st1 str6stsatpix**Description**

Pattern of star 6 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8365 xb_st1 str6ststraylrg**Description**

Mean signal of straylight of star 6 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8366 xb_st1 str7numpixlsml**Description**

Number of pixels of star 7 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8367 xb_st1 str7outdom**Description**

Measurement domain of star 7 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8368 xb_st1 str7stdefpix**Description**

Pattern of star 7 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8369 xb_st1 str7stdifmeslrg**Description**

Difference between expected and measured Magnitude 7 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8370 xb_st1 str7stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8371 xb_st1 str7stlowsignal**Description**

Signal of star 7 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8372 xb_st1 str7stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8373 xb_st1 str7stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8374 xb_st1 str7stnomes**Description**

No measurement available of star 7

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8375 xb_st1 str7stoutcohdn**Description**

Star 7 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8376 xb_st1 str7stoutfov**Description**

Star 7 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8377 xb_st1 str7stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8378 xb_st1 str7stsatpix**Description**

Pattern of star 7 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8379 xb_st1 str7ststraylrg**Description**

Mean signal of straylight of star 7 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8380 xb_st1 str8numpixlsml**Description**

Number of pixels of star 8 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8381 xb_st1 str8outdom**Description**

Measurement domain of star 8 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8382 xb_st1 str8stdefpix**Description**

Pattern of star 8 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8383 xb_st1 str8stdifmeslrg**Description**

Difference between expected and measured Magnitude 8 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8384 xb_st1 str8stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8385 xb_st1 str8stlowsignal**Description**

Signal of star 8 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8386 xb_st1 str8stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8387 xb_st1 str8stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8388 xb_st1 str8stnomes**Description**

No measurement available of star 8

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8389 xb_st1 str8stoutcohdom**Description**

Star 8 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8390 xb_st1 str8stoutfov**Description**

Star 8 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8391 xb_st1 str8stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8392 xb_st1 str8stsatpix**Description**

Pattern of star 8 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8393 xb_st1 str8ststraylrg**Description**

Mean signal of straylight of star 8 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8394 xb_st1 str9numpixlsml**Description**

Number of pixels of star 9 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8395 xb_st1 str9outdom**Description**

Measurement domain of star 9 is out of Usable domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8396 xb_st1 str9stdefpix**Description**

Pattern of star 9 has at least one defective pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8397 xb_st1 str9stdifmeslrg**Description**

Difference between expected and measured Magnitude 9 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8398 xb_st1 str9stetasp**Description**

spare

Data Type

3 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8399 xb_st1 str9stlowsignal**Description**

Signal of star 9 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8400 xb_st1 str9stna1**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8401 xb_st1 str9stna2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8402 xb_st1 str9stnomes**Description**

No measurement available of star 9

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8403 xb_st1 str9stoutcohdom**Description**

Star 9 position is out of coherence domain

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8404 xb_st1 str9stoutfov**Description**

Star 9 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8405 xb_st1 str9stovrlap**Description**

Overlap of measurement domains

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8406 xb_st1 str9stsatpix**Description**

Pattern of star 9 has at least one saturated pixel

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8407 xb_st1 str9ststraylrg**Description**

Mean signal of straylight of star 9 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8408 xb_st1 stroutoffov1**Description**

Star Tracker 1 Star 1 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8409 xb_st1 stroutoffov2**Description**

Star Tracker 1 Star 2 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8410 xb_st1 stroutoffov3**Description**

Star Tracker 1 Star 3 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8411 xb_st1 stroutoffov4**Description**

Star Tracker 1 Star 4 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8412 xb_st1 stroutoffov5**Description**

Star Tracker 1 Star 5 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8413 xb_st1 stroutoffov6**Description**

Star Tracker 1 Star 6 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8414 xb_st1 stroutoffov7**Description**

Star Tracker 1 Star 7 is out of field of view

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8415 xb_st1 strpat2big1**Description**

Star Tracker 1 Pattern of star 1 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8416 xb_st1 strpat2big2**Description**

Star Tracker 1 Pattern of star 2 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8417 xb_st1 strpat2big3**Description**

Star Tracker 1 Pattern of star 3 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8418 xb_st1 strpat2big4**Description**

Star Tracker 1 Pattern of star 4 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8419 xb_st1 strpat2big5**Description**

Star Tracker 1 Pattern of star 5 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8420 xb_st1 strpat2big6**Description**

Star Tracker 1 Pattern of star 6 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8421 xb_st1 strpat2big7**Description**

Star Tracker 1 Pattern of star 7 is too large

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8422 xb_st1 strpat2sml1**Description**

Star Tracker 1 Pattern of star 1 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8423 xb_st1 strpat2sml2**Description**

Star Tracker 1 Pattern of star 2 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8424 xb_st1 strpat2sml3**Description**

Star Tracker 1 Pattern of star 3 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8425 xb_st1 strpat2sml4**Description**

Star Tracker 1 Pattern of star 4 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8426 xb_st1 strpat2sml5**Description**

Star Tracker 1 Pattern of star 5 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8427 xb_st1 strpat2sml6**Description**

Star Tracker 1 Pattern of star 6 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8428 xb_st1 strpat2sml7**Description**

Star Tracker 1 Pattern of star 7 is too small

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8429 xb_st1 strsig2low1**Description**

Star Tracker 1 Signal of star 1 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8430 xb_st1 strsig2low2**Description**

Star Tracker 1 Signal of star 2 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8431 xb_st1 strsig2low3**Description**

Star Tracker 1 Signal of star 3 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq1_tlm (3929)

E.8432 xb_st1 strsig2low4**Description**

Star Tracker 1 Signal of star 4 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8433 xb_st1 strsig2low5**Description**

Star Tracker 1 Signal of star 5 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8434 xb_st1 strsig2low6**Description**

Star Tracker 1 Signal of star 6 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8435 xb_st1 strsig2low7**Description**

Star Tracker 1 Signal of star 7 is too low

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 car_aq2_tlm (3932)

E.8436 xb_st1 stxcdlenstmp**Description**

Star Tracker 1 Exceeding of threshold of lens temperature

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8437 xb_st1 stxcdthccdtmp**Description**

Star Tracker 1 Exceeding of threshold of CCD temperature

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb_st1 tlm (3949)

E.8438 xb_st1 stxcdtheletmp**Description**

Star Tracker 1 Exceeding of threshold of electronic component temperature

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	BAD

Telemetry Source Packets

xb.st1 tlm (3949)

E.8439 xb_st1 syntdefidnu**Description**

Reserved

Data Type

4 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 car_trk.tlm (3935)

E.8440 xb_st1 tfrmcntnumsa13**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8441 xb_st1 tfrmcntnumsa14**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8442 xb_st1 tfrmcntnumsa15**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8443 xb_st1 tfrmcntnumsa16**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8444 xb_st1 tfrmcntnumsa17**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8445 xb_st1 tfrmcntnumsa18**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8446 xb_st1 tfrmcntnumsa19**Description**

Frame count number

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8447 xb_st1 tfrmcntvlds13**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8448 xb_st1 tfrmcntvlds14**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8449 xb_st1 tfrmcntvlds15**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8450 xb_st1 tfrmcntvlds16**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8451 xb_st1 tfrmcntvlds17**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8452 xb_st1 tfrmcntvlds18**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8453 xb_st1 tfrmcntvlds19**Description**

Frame count valid

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NOT_VALID	0	CAUTION
VALID	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8454 xb_st1 tks12stfrmcntnum**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm.action2 (3959)

E.8455 xb_st1 tks12stfrmcntvld**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8456 xb_st1 tks12stsainfonu1**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8457 xb_st1 tks12stsainfonu2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8458 xb_st1 tks16stfrmcntnum**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8459 xb_st1 tks16stfrmcntvld**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8460 xb_st1 tks16stsainfonu1**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8461 xb_st1 tks16stsainfonu2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8462 xb_st1 tks33stfrmcntnum**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8463 xb_st1 tks33stfrmcntvld**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8464 xb_st1 tks33stsainfonu1**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8465 xb_st1 tks33stsainfonu2**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8466 xb_st1 tks50stfrmcntnum**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8467 xb_st1 tks50stfrmcntvld**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8468 xb_st1 tks50stsainfonu1**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8469 xb_st1 tks50stsainfonu2**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8470 xb_st1 tks67stfrmcntnum**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8471 xb_st1 tks67stfrmcntvld**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8472 xb_st1 tks67stsainfonu1**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8473 xb_st1 tks67stsainfonu2**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8474 xb_st1 tks84stfrmcntnum**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8475 xb_st1 tks84stfrmcntvld**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8476 xb_st1 tks84stsainfonu1**Description**

Star Tracker 1 track telemetry; spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8477 xb_st1 tks84stsainfonu2**Description**

Star Tracker 1 track telemetry; spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8478 xb_st1 tktmst1etamstr1**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8479 xb_st1 tktmst1etamstr10**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8480 xb_st1 tktmst1etamstr2**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8481 xb_st1 tktmst1etamstr3**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8482 xb_st1 tktmst1etamstr4**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8483 xb_st1 tktmst1etamstr5**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8484 xb_st1 tktmst1etamstr6**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8485 xb_st1 tktmst1etamstr7**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8486 xb_st1 tktmst1etamstr8**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8487 xb_st1 tktmst1etamstr9**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8488 xb_st1 tktmst1syntdefpa**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	513
yellow high	1
yellow low	-1
red low	-1
delta	<i>none</i>

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8489 xb_st1 tlmhws**Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8490 xb_st1 tlmhwss**Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8491 xb_st1 tlmlws**Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8492 xb_st1 tlmlwss**Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 tlm (3949)

E.8493 xb_st1 tlmpid**Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8494 xb_st1 tlmpl****Description**

Star Tracker 1 telemetry; header

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8495 xb_st1 tlmsct****Description**

Star Tracker 1 telemetry; header

Data Type

14 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 tlm** (3949)**E.8496 xb_st1 tlmsflg****Description**

Star Tracker 1 telemetry; header

Data Type

2 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 tlm** (3949)

E.8497 xb_st1 trkabercrcct**Description**

Aberration correction

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8498 xb_st1 trkact2pad1padb0**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8499 xb_st1 trkact2pad1padb1**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)**E.8500 xb_st1 trkact2pad1padb2****Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)**E.8501 xb_st1 trkact2pad1padb3****Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)**E.8502 xb_st1 trkact2pad1padb4****Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)

E.8503 xb_st1 trkact2pad1padb5**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8504 xb_st1 trkact2pad1padb6**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8505 xb_st1 trkact2pad2padb0**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8506 xb_st1 trkact2pad2padb1**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8507 xb_st1 trkact2pad2padb2**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8508 xb_st1 trkact2pad2padb3**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8509 xb_st1 trkact2pad2padb4**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8510 xb_st1 trkact2pad2padb5**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8511 xb_st1 trkact2pad2padb6**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8512 xb_st1 trkact2pad2padb7**Description**

Star Tracker 1 track telemetry action 2; pad

Data Type

32 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8513 xb_st1 trkarithomegaerr**Description**

Arithmetic error of angular velocity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8514 xb_st1 trkattdifflarge**Description**

Difference between expected and measured Attitude is too large

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 trk.tlm** (3951)**E.8515 xb_st1 trkesvelvec****Description**

Earth/Sun velocity vector

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 trk.tlm** (3951)**E.8516 xb_st1 trkexpnumsml****Description**

Number of expected stars is too small to launch attitude measurement

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 trk.tlm** (3951)

E.8517 xb_st1 trkincoattqual**Description**

Incoherent quality index of attitude

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8518 xb_st1 trkincosevel**Description**

Incoherent satellite/earth velocity

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8519 xb_st1 trkincostrqual**Description**

Incoherent quality index of stars

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8520 xb_st1 trkiqzym**Description**

Quality index of the attitude about X-Y STR axis

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8521 xb_st1 trkiqzm**Description**

Quality index of the attitude about Z STR axis

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8522 xb_st1 trkjulprop**Description**

Julian date propagation

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8523 xb_st1 trkmagatt1**Description**

Star 1 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8524 xb_st1 trkmagatt10**Description**

Star 10 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk_tlm (3951)

E.8525 xb_st1 trkmagatt2**Description**

Star 2 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8526 xb_st1 trkmagatt3****Description**

Star 3 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8527 xb_st1 trkmagatt4****Description**

Star 4 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8528 xb.st1 trkmagatt5**Description**

Star 5 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8529 xb_st1 trkmagatt6**Description**

Star 6 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8530 xb_st1 trkmagatt7**Description**

Star 7 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8531 xb.st1 trkmagatt8**Description**

Star 8 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8532 xb_st1 trkmagatt9**Description**

Star 9 magnitude of catalogue

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8533 xb_st1 trkmagmes1**Description**

Star 1 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8534 xb_st1 trkmagmes10**Description**

Star 10 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8535 xb_st1 trkmagmes2**Description**

Star 2 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8536 xb_st1 trkmagmes3**Description**

Star 3 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8537 xb_st1 trkmagmes4**Description**

Star 4 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8538 xb_st1 trkmagmes5**Description**

Star 5 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8539 xb_st1 trkmagmes6**Description**

Star 6 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8540 xb_st1 trkmagmes7**Description**

Star 7 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8541 xb_st1 trkmagmes8**Description**

Star 8 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8542 xb_st1 trkmagmes9**Description**

Star 9 measured magnitude

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions

Segment 1

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	0.00999999977648258
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8543 xb_st1 trkmesnumsml**Description**

Number of measured and coherent stars is too Small to calculate attitude

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 trk.tlm (3951)

E.8544 xb_st1 trknbetoatt**Description**

Number of measured stars inside STR FOV

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8545 xb_st1 trknbetocoh****Description**

Number of used stars for attitude

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8546 xb_st1 trknumattfault****Description**

Numeric problem on attitude processing

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8547 xb_st1 trkpanu****Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb.st1 trk_tlm (3951)

E.8548 xb_st1 trkpreccrct**Description**

Precession correction

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb.st1 trk_tlm (3951)

E.8549 xb_st1 trkpresmoon**Description**

Presence of moon

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	CAUTION

Telemetry Source Packets

xb.st1 trk_tlm (3951)

E.8550 xb_st1 trkqrve1**Description**

Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8551 xb_st1 trkqrve2**Description**

Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8552 xb_st1 trkqrve3**Description**

Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8553 xb_st1 trkqrve4**Description**

Components of attitude quaternion Rve/Rc

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8554 xb_st1 trkreftmdel**Description**

time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = any.

Measurement Source

XB

Analog Conversions**Segment 1**

type	UNSEGMENTED_5D
start	0
stop	0
c0	0
c1	20
c2	0
c3	0
c4	0
c5	0
c6	0
c7	0

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8555 xb_st1 trkres**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8556 xb_st1 trkres2**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8557 xb_st1 trkres3**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8558 xb_st1 trkres4**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8559 xb_st1 trkres5**Description**

Reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8560 xb_st1 trkresb1**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8561 xb_st1 trkresb10**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8562 xb_st1 trkresb11**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8563 xb_st1 trkresb12**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8564 xb_st1 trkresb13**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8565 xb_st1 trkresb14**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8566 xb_st1 trkresb15**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8567 xb_st1 trkresb16**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8568 xb_st1 trkresb17**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8569 xb_st1 trkresb18**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8570 xb_st1 trkresb19**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8571 xb_st1 trkresb2**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8572 xb_st1 trkresb20**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8573 xb_st1 trkresb21**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8574 xb_st1 trkresb22**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8575 xb_st1 trkresb23**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8576 xb_st1 trkresb24**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8577 xb_st1 trkresb25**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8578 xb_st1 trkresb3**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8579 xb_st1 trkresb4**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8580 xb_st1 trkresb5**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8581 xb_st1 trkresb6**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8582 xb_st1 trkresb7**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8583 xb_st1 trkresb8**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8584 xb_st1 trkresb9**Description**

Star Tracker 1 Auto Track telemetry; reserved

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8585 xb_st1 trks13st1magmes0**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8586 xb_st1 trks13st1magmes1**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8587 xb_st1 trks13st1magmes2**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8588 xb_st1 trks13st1magmes3**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8589 xb_st1 trks13st1magmes4**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8590 xb_st1 trks13st1magmes5**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8591 xb_st1 trks13st1magmes6**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8592 xb_st1 trks13st1magmes7**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8593 xb_st1 trks13st1magmes8**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8594 xb_st1 trks13st1magmes9**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8595 xb_st1 trks14st1magatt0**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8596 xb_st1 trks14st1magatt1**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8597 xb_st1 trks14st1magatt2**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8598 xb_st1 trks14st1magatt3**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8599 xb_st1 trks14st1magatt4**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8600 xb_st1 trks14st1magatt5**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8601 xb_st1 trks14st1magatt6**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8602 xb_st1 trks14st1magatt7**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8603 xb_st1 trks14st1magatt8**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8604 xb_st1 trks14st1magatt9**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8605 xb_st1 trks1stfrmcntnum**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8606 xb_st1 trks1stfrmcntvld**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8607 xb_st1 trks1stsainfonu1**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8608 xb_st1 trks1stsainfonu2**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8609 xb_st1 trksainfonu1sa13**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8610 xb_st1 trksainfonu1sa14**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8611 xb_st1 trksainfonu1sa15**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8612 xb_st1 trksainfonu1sa16**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8613 xb_st1 trksainfonu1sa17**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8614 xb_st1 trksainfonu1sa18**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8615 xb_st1 trksainfonu1sa19**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8616 xb_st1 trksainfonu2sa13**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8617 xb_st1 trksainfonu2sa14**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8618 xb_st1 trksainfonu2sa15**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8619 xb_st1 trksainfonu2sa16**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8620 xb_st1 trksainfonu2sa17**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8621 xb_st1 trksainfonu2sa18**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8622 xb_st1 trksainfonu2sa19**Description**

spare

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8623 xb_st1 trksevelvec**Description**

Satellite/Earth velocity vector

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8624 xb_st1 trksp10****Description**

spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)**E.8625 xb_st1 trksp11****Description**

spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)**E.8626 xb_st1 trksp15****Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm_action2** (3959)

E.8627 xb_st1 trksp17**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8628 xb_st1 trksp18**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8629 xb_st1 trksp19**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8630 xb_st1 trksp2**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8631 xb_st1 trksp20**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8632 xb_st1 trksp21**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8633 xb_st1 trksp22**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8634 xb_st1 trksp23**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8635 xb_st1 trksp24**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8636 xb_st1 trksp25**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8637 xb_st1 trksp26**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8638 xb_st1 trksp27**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8639 xb_st1 trksp28**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8640 xb_st1 trksp29**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8641 xb_st1 trksp3**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8642 xb_st1 trksp30**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8643 xb_st1 trksp31**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8644 xb_st1 trksp32**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8645 xb_st1 trksp34**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8646 xb_st1 trksp35**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8647 xb_st1 trksp36**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8648 xb_st1 trksp37**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8649 xb_st1 trksp38**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8650 xb_st1 trksp39**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8651 xb_st1 trksp4**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8652 xb_st1 trksp40**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8653 xb_st1 trksp41**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8654 xb_st1 trksp42**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8655 xb_st1 trksp43**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8656 xb_st1 trksp44**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8657 xb_st1 trksp45**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8658 xb_st1 trksp46**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8659 xb_st1 trksp47**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8660 xb_st1 trksp48**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8661 xb_st1 trksp49**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8662 xb_st1 trksp51**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8663 xb_st1 trksp52**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8664 xb_st1 trksp53**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8665 xb_st1 trksp54**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8666 xb_st1 trksp55**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8667 xb_st1 trksp56**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8668 xb_st1 trksp57**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8669 xb_st1 trksp58**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8670 xb_st1 trksp59**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8671 xb_st1 trksp5refttmdel**Description**

time delay since last received REFT pulse (raw lsb 20 usec)

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8672 xb_st1 trksp5statmrcnt**Description**

REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8673 xb_st1 trksp6**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8674 xb_st1 trksp60**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8675 xb_st1 trksp61**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8676 xb_st1 trksp62**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8677 xb_st1 trksp63**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8678 xb_st1 trksp64**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8679 xb_st1 trksp65**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8680 xb_st1 trksp66**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8681 xb_st1 trksp68**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8682 xb_st1 trksp69**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8683 xb_st1 trksp7**Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8684 xb_st1 trksp70**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8685 xb_st1 trksp71**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8686 xb_st1 trksp72**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8687 xb_st1 trksp73**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8688 xb_st1 trksp74**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8689 xb_st1 trksp75**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8690 xb_st1 trksp76**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8691 xb_st1 trksp77**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8692 xb_st1 trksp78**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8693 xb_st1 trksp79**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8694 xb_st1 trksp80**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8695 xb_st1 trksp81**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8696 xb_st1 trksp82**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8697 xb_st1 trksp83**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8698 xb_st1 trksp85**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8699 xb_st1 trksp86**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8700 xb_st1 trksp87**Description**

Star Tracker 1 track telemetry; spare

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8701 xb_st1 trksp88resb0**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8702 xb_st1 trksp88resb1**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8703 xb_st1 trksp88resb10**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8704 xb_st1 trksp88resb11**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8705 xb_st1 trksp88resb12**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8706 xb_st1 trksp88resb13**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8707 xb_st1 trksp88resb14**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8708 xb_st1 trksp88resb15**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8709 xb_st1 trksp88resb16**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8710 xb_st1 trksp88resb17**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8711 xb_st1 trksp88resb18**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8712 xb_st1 trksp88resb19**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8713 xb_st1 trksp88resb2**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8714 xb_st1 trksp88resb20**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8715 xb_st1 trksp88resb21**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8716 xb_st1 trksp88resb22**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8717 xb_st1 trksp88resb23**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8718 xb_st1 trksp88resb24**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8719 xb_st1 trksp88resb3**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8720 xb_st1 trksp88resb4**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8721 xb_st1 trksp88resb5**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8722 xb_st1 trksp88resb6**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8723 xb_st1 trksp88resb7**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8724 xb_st1 trksp88resb8**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8725 xb_st1 trksp88resb9**Description**

Star Tracker 1 track telemetry; spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8726 xb_st1 trksp8qrve0**Description**

spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8727 xb_st1 trksp8qrve1**Description**

spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8728 xb_st1 trksp8qrve2**Description**

spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8729 xb_st1 trksp8qrve3**Description**

spare

Data Type

64 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8730 xb_st1 trksp9**Description**

spare

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm_action2 (3959)

E.8731 xb_st1 trksptcbmdact**Description**

Binning mode is active.

Data Type

1 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8732 xb_st1 trksptcnu**Description**

spare

Data Type

7 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8733 xb_st1 trkstatmrcnt**Description**

REFT counter modulo 65536

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8734 xb_st1 trkstrposprop**Description**

Stars positions propagated

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets**xb.st1 trk.tlm** (3951)**E.8735 xb.st1 trkstrpropcalc****Description**

Star positions propagated according to velocity or velocity and acceleration

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
VEL_ACC	0	GOOD
VEL	1	GOOD

Telemetry Source Packets**xb.st1 trk.tlm** (3951)**E.8736 xb.st1 trktlmsptc****Description**

spare

Data Type

16 bits, unsigned integer, engineering units = dn.

Measurement Source

XB

Limits

alarm	limit
red high	395
yellow high	395
yellow low	393
red low	393
delta	<i>none</i>

Telemetry Source Packets**xb.st1 trk.tlm.action2** (3959)

E.8737 xb_st1 trkupcmdvelvec**Description**

Star tracker takes the velocity vector into account when correcting aberration

Data Type

1 bits, discrete state, engineering units = dn.

Measurement Source

XB

State Conversions

state	value	desirability
NO	0	GOOD
YES	1	GOOD

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8738 xb_st1 trkwxve**Description**

Component Xve of angular velocity /Rve (m/s)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8739 xb_st1 trkwyve**Description**

Component Yve of angular velocity /Rve (m/s)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8740 xb_st1 trkwzve****Description**

Component Zve of angular velocity /Rve (m/s)

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8741 xb_st1 trkxc****Description**

Component Xc of linear velocity in aberration; (m/s)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)**E.8742 xb_st1 trkxcatt1****Description**

Catalogue star 1 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets**xb_st1 trk_tlm** (3951)

E.8743 xb_st1 trkxcatt10**Description**

Catalogue star 10 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8744 xb_st1 trkxcatt2**Description**

Catalogue star 2 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8745 xb_st1 trkxcatt3**Description**

Catalogue star 3 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8746 xb_st1 trkxcatt4**Description**

Catalogue star 4 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8747 xb_st1 trkxcatt5**Description**

Catalogue star 5 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8748 xb_st1 trkxcatt6**Description**

Catalogue star 6 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8749 xb_st1 trkxcatt7**Description**

Catalogue star 7 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8750 xb_st1 trkxcatt8**Description**

Catalogue star 8 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8751 xb_st1 trkxcatt9**Description**

Catalogue star 9 co-ordinate along Xc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8752 xb_st1 trkxve1**Description**

Star 1 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8753 xb_st1 trkxve10**Description**

Star 10 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8754 xb_st1 trkxve2**Description**

Star 2 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8755 xb_st1 trkxve3**Description**

Star 3 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8756 xb_st1 trkxve4**Description**

Star 4 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8757 xb_st1 trkxve5**Description**

Star 5 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8758 xb_st1 trkxve6**Description**

Star 6 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8759 xb_st1 trkxve7**Description**

Star 7 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8760 xb_st1 trkxve8**Description**

Star 8 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8761 xb_st1 trkxve9**Description**

Star 9 measured co-ordinate along Xve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8762 xb_st1 trkyc**Description**

Component Yc of linear velocity in aberration; (m/s)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8763 xb_st1 trkycatt1**Description**

Catalogue star 1 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8764 xb_st1 trkycatt10**Description**

Catalogue star 10 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8765 xb_st1 trkycatt2**Description**

Catalogue star 2 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8766 xb_st1 trkycatt3**Description**

Catalogue star 3 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8767 xb_st1 trkycatt4**Description**

Catalogue star 4 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8768 xb_st1 trkycatt5**Description**

Catalogue star 5 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8769 xb_st1 trkycatt6**Description**

Catalogue star 6 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8770 xb_st1 trkycatt7**Description**

Catalogue star 7 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8771 xb_st1 trkycatt8**Description**

Catalogue star 8 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8772 xb_st1 trkycatt9**Description**

Catalogue star 9 co-ordinate along Yc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8773 xb_st1 trkyve1**Description**

Star 1 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8774 xb_st1 trkyve10**Description**

Star 10 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8775 xb_st1 trkyve2**Description**

Star 2 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8776 xb_st1 trkyve3**Description**

Star 3 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8777 xb_st1 trkyve4**Description**

Star 4 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8778 xb_st1 trkyve5**Description**

Star 5 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8779 xb_st1 trkyve6**Description**

Star 6 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8780 xb_st1 trkyve7**Description**

Star 7 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8781 xb_st1 trkyve8**Description**

Star 8 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8782 xb_st1 trkyve9**Description**

Star 9 measured co-ordinate along Yve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8783 xb_st1 trkzc**Description**

Component Zc of linear velocity in aberration; (m/s)

Data Type

32 bits, signed integer, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8784 xb_st1 trkzcatt1**Description**

Catalogue star 1 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8785 xb_st1 trkzcatt10**Description**

Catalogue star 10 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8786 xb_st1 trkzcatt2**Description**

Catalogue star 2 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8787 xb_st1 trkzcatt3**Description**

Catalogue star 3 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8788 xb_st1 trkzcatt4**Description**

Catalogue star 4 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8789 xb_st1 trkzcatt5**Description**

Catalogue star 5 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8790 xb_st1 trkzcatt6**Description**

Catalogue star 6 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8791 xb_st1 trkzcatt7**Description**

Catalogue star 7 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8792 xb_st1 trkzcatt8**Description**

Catalogue star 8 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8793 xb_st1 trkzcatt9**Description**

Catalogue star 9 co-ordinate along Zc axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8794 xb_st1 trkzve1**Description**

Star 1 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8795 xb_st1 trkzve10**Description**

Star 10 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8796 xb_st1 trkzve2**Description**

Star 2 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8797 xb_st1 trkzve3**Description**

Star 3 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8798 xb_st1 trkzve4**Description**

Star 4 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8799 xb_st1 trkzve5**Description**

Star 5 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8800 xb_st1 trkzve6**Description**

Star 6 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8801 xb_st1 trkzve7**Description**

Star 7 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8802 xb_st1 trkzve8**Description**

Star 8 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

E.8803 xb_st1 trkzve9**Description**

Star 9 measured co-ordinate along Zve axis

Data Type

32 bits, float, engineering units = dn.

Measurement Source

XB

Telemetry Source Packets

xb_st1 trk_tlm (3951)

F

Telemetry Packet List

OASIS-CC/FSW database version TBD, Thu Apr 6 15:55:36 2006.

F.1 aac ape_aac_soft_tlm

Packet Source Application Identifier

0x044 (68)

OASIS Stream Name

aac68

Description

APE_AAC_SOFT.TLM.SID

Format

Packet aac ape_aac_soft_tlm Format

start bit	stop bit	size bits	field	control	method
0	15	16	aac pid (552)	—	—
16	17	2	aac sflg (563)	—	—
18	31	14	aac sct (563)	—	—
32	47	16	aac pl (553)	—	—
48	63	16	aac hws (512)	—	—
64	79	16	aac lws (529)	—	—
80	95	16	aac hwss (512)	—	—
96	111	16	aac lwss (529)	—	—
112	175	64	aac thetaerrbdy0 (595)	—	—
176	239	64	aac thetaerrbdy1 (595)	—	—
240	303	64	aac thetaerrbdy2 (596)	—	—
304	367	64	aac omegaerrbdy0 (547)	—	—
368	431	64	aac omegaerrbdy1 (547)	—	—
432	495	64	aac omegaerrbdy2 (548)	—	—
496	511	16	aac aperbfstmsgerr (490)	—	—
512	527	16	aac aperbslwmsgerr (491)	—	—
528	529	2	aac statacsmd (586)	—	—
530	534	5	aac stacsfrmcntr (581)	—	—
535	535	1	aac stclipseflghw (588)	—	—
536	543	8	aac stcsslitst (589)	—	—
544	545	2	aac stat1rwa1dtav (582)	—	—
546	547	2	aac stat1rwa2dtav (583)	—	—
548	549	2	aac stat1rwa3dtav (583)	—	—
550	551	2	aac stat1mtbxdtav (581)	—	—
552	553	2	aac stat1mtbydtav (581)	—	—
554	555	2	aac stat1mtbzdta (582)	—	—
556	557	2	aac iru1datavalid (514)	—	—
558	559	2	aac iru2datavalid (517)	—	—
560	560	1	aac st2tamfgbdtmp (570)	—	—
561	561	1	aac st2tamfgbdarawfd (569)	—	—
562	562	1	aac st2tamfgbdbfdeta (570)	—	—
563	563	1	aac st2tamfgfdcen (571)	—	—
564	564	1	aac st2tamfgfirsttm (571)	—	—
565	565	1	aac st2fsttmpkvtv (567)	—	—

Packet **aac_ape_aac_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
566	566	1	aac st2slwtmptkv (568)	—	—
567	567	1	aac st2sunaqbak2fr (569)	—	—
568	568	1	aac stat2sunaqbz (584)	—	—
569	570	2	aac st2sunaqbwaxis (569)	—	—
571	571	1	aac st2csscurtst (567)	—	—
572	572	1	aac st2csseclipseflg (567)	—	—
573	573	1	aac st2mtthreshldmet (568)	—	—
574	575	2	aac iru3datavalid (520)	—	—
576	576	1	aac st3rwafgfdcen (572)	—	—
577	577	1	aac st3rwafgwhlon1 (573)	—	—
578	578	1	aac st3rwafgwhlon2 (574)	—	—
579	579	1	aac st3rwafgwhlon3 (574)	—	—
580	580	1	aac st3rwafgfled1 (572)	—	—
581	581	1	aac st3rwafgfled2 (573)	—	—
582	582	1	aac st3rwafgfled3 (573)	—	—
583	583	1	aac css1celltesttlim (496)	—	—
584	584	1	aac css2celltesttlim (497)	—	—
585	585	1	aac css3celltesttlim (498)	—	—
586	586	1	aac css4celltesttlim (499)	—	—
587	587	1	aac css5celltesttlim (501)	—	—
588	588	1	aac css6celltesttlim (502)	—	—
589	589	1	aac css7celltesttlim (503)	—	—
590	590	1	aac css8celltesttlim (504)	—	—
591	591	1	aac aacstatussp13 (485)	—	—
592	592	1	aac stat4mtbfdcen (586)	—	—
593	593	1	aac st4mtbxdptsttm (575)	—	—
594	594	1	aac st4mtbydptsttm (575)	—	—
595	595	1	aac st4mtbzdpsttm (576)	—	—
596	596	1	aac st4rwaovrsd1 (579)	—	—
597	597	1	aac st4rwaovrsd2 (580)	—	—
598	598	1	aac st4rwaovrsd3 (580)	—	—
599	599	1	aac st4rwabdcu1 (578)	—	—
600	600	1	aac st4rwabdcu2 (578)	—	—
601	601	1	aac st4rwabdcu3 (579)	—	—
602	602	1	aac stat4badtrq1 (584)	—	—
603	603	1	aac stat4badtrq2 (585)	—	—
604	604	1	aac stat4badtrq3 (585)	—	—
605	605	1	aac st4rwa1zcnttst (576)	—	—
606	606	1	aac st4rwa2zcnttst (577)	—	—
607	607	1	aac st4rwa3zcnttst (577)	—	—
608	609	2	aac stat1tamadtav (584)	—	—
610	610	1	aac st1cssfginit (565)	—	—
611	611	1	aac st1cssfgfdcen (564)	—	—
612	612	1	aac st1cssfgfrlit (565)	—	—
613	613	1	aac st1cssfgbaklit (564)	—	—
614	614	1	aac st1cssfgsunpres (566)	—	—
615	615	1	aac st1cssfgflure (564)	—	—

Packet **aac ape_aac_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
616	619	4	aac st1totgndcmdrecd (566)	—	—
620	622	3	aac st1totgndcmdrjct (566)	—	—
623	623	1	aac aacstatussp15 (485)	—	—
624	687	64	aac omegaestbdy0 (549)	—	—
688	751	64	aac omegaestbdy1 (549)	—	—
752	815	64	aac omegaestbdy2 (550)	—	—
816	879	64	aac mtsysestmag (545)	—	—
880	895	16	aac mtbdpbdy0 (537)	—	—
896	911	16	aac mtbdpbdy1 (538)	—	—
912	927	16	aac mtbdpbdy2 (538)	—	—
928	943	16	aac scrossbangle (562)	—	—
944	959	16	aac rwatorbdy0 (560)	—	—
960	975	16	aac rwatorbdy1 (561)	—	—
976	991	16	aac rwatorbdy2 (562)	—	—
992	1023	32	aac nohwratemeact (546)	—	—
1024	1039	16	aac rwatct0 (559)	—	—
1040	1055	16	aac rwatct1 (560)	—	—
1056	1071	16	aac rwatct2 (560)	—	—
1072	1087	16	aac aacstatussp20 (486)	—	—
1088	1103	16	aac aacstatussp21 (486)	—	—
1104	1119	16	aac aacstatussp22 (486)	—	—
1120	1135	16	aac aacstatussp23 (487)	—	—
1136	1151	16	aac csscurraw0 (506)	—	—
1152	1167	16	aac csscurraw1 (506)	—	—
1168	1183	16	aac csscurraw2 (507)	—	—
1184	1199	16	aac csscurraw3 (508)	—	—
1200	1215	16	aac csscurraw4 (509)	—	—
1216	1231	16	aac csscurraw5 (510)	—	—
1232	1247	16	aac csscurraw6 (510)	—	—
1248	1263	16	aac csscurraw7 (511)	—	—
1264	1279	16	aac irurawct00 (525)	—	—
1280	1295	16	aac irurawct01 (525)	—	—
1296	1311	16	aac irurawct10 (526)	—	—
1312	1327	16	aac irurawct11 (526)	—	—
1328	1343	16	aac irurawct20 (526)	—	—
1344	1359	16	aac irurawct21 (527)	—	—
1360	1391	32	aac irurawdtact00 (527)	—	—
1392	1423	32	aac irurawdtact01 (527)	—	—
1424	1455	32	aac irurawdtact10 (528)	—	—
1456	1487	32	aac irurawdtact11 (528)	—	—
1488	1519	32	aac irurawdtact20 (528)	—	—
1520	1551	32	aac irurawdtact21 (529)	—	—
1552	1567	16	aac aacstatussp300 (487)	—	—
1568	1583	16	aac aacstatussp301 (487)	—	—
1584	1599	16	aac aacstatussp302 (488)	—	—
1600	1615	16	aac aacstatussp303 (488)	—	—
1616	1631	16	aac aacstatussp304 (488)	—	—

Packet **aac ape_aac_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
1632	1647	16	aac aacstatussp305 (489)	—	—
1648	1711	64	aac sysmomerrbdy0 (590)	—	—
1712	1775	64	aac sysmomerrbdy1 (590)	—	—
1776	1839	64	aac sysmomerrbdy2 (591)	—	—
1840	1855	16	aac rwasppdraw0 (555)	—	—
1856	1871	16	aac rwasppdraw1 (556)	—	—
1872	1887	16	aac rwasppdraw2 (557)	—	—
1888	1903	16	aac rwafrictiontrq0 (553)	—	—
1904	1919	16	aac rwafrictiontrq1 (554)	—	—
1920	1935	16	aac rwafrictiontrq2 (555)	—	—
1936	1951	16	aac rwatcmdlmt0 (557)	—	—
1952	1967	16	aac rwatcmdlmt1 (558)	—	—
1968	1983	16	aac rwatcmdlmt2 (559)	—	—
1984	2015	32	aac tambfdmestam0 (592)	—	—
2016	2047	32	aac tambfdmestam1 (592)	—	—
2048	2079	32	aac tambfdmestam2 (593)	—	—
2080	2111	32	aac aperbfstmsgok (490)	—	—
2112	2127	16	aac aperbslwmsgok (491)	—	—
2128	2128	1	aac iru1temptst (515)	—	—
2129	2129	1	aac iru1motorcurrtst (515)	—	—
2130	2130	1	aac iru1ch1statictst (513)	—	—
2131	2131	1	aac iru1ch2statictst (514)	—	—
2132	2132	1	aac iru1ch1ratetst (513)	—	—
2133	2133	1	aac iru1ch2ratetst (514)	—	—
2134	2134	1	aac iru2temptst (518)	—	—
2135	2135	1	aac iru2motorcurrtst (518)	—	—
2136	2136	1	aac iru2ch1statictst (516)	—	—
2137	2137	1	aac iru2ch2statictst (517)	—	—
2138	2138	1	aac iru2ch1ratetst (516)	—	—
2139	2139	1	aac iru2ch2ratetst (517)	—	—
2140	2140	1	aac iru3temptst (521)	—	—
2141	2141	1	aac iru3motorcurrtst (521)	—	—
2142	2142	1	aac iru3ch1statictst (519)	—	—
2143	2143	1	aac iru3ch2statictst (520)	—	—
2144	2144	1	aac iru3ch1ratetst (519)	—	—
2145	2145	1	aac iru3ch2ratetst (520)	—	—
2146	2146	1	aac iruffdcen (522)	—	—
2147	2147	1	aac irufstupdtv (523)	—	—
2148	2148	1	aac irufpntfault (523)	—	—
2149	2149	1	aac irufpktinv (523)	—	—
2150	2151	2	aac irufnumpwred (522)	—	—
2152	2153	2	aac irufxdtfound (524)	—	—
2154	2155	2	aac irufydtfound (524)	—	—
2156	2157	2	aac irufzdtfound (525)	—	—
2158	2159	2	aac aacstatussp4 (489)	—	—
2160	2191	32	aac msgcounter (530)	—	—
2192	2207	16	aac msgnum0 (530)	—	—

Packet **aac ape_aac_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
2208	2223	16	aac msgnum1 (530)	—	—
2224	2239	16	aac msgnum2 (531)	—	—
2240	2255	16	aac msgnum3 (531)	—	—
2256	2271	16	aac msgnum4 (531)	—	—
2272	2287	16	aac paramtype0 (551)	—	—
2288	2303	16	aac paramtype1 (551)	—	—
2304	2319	16	aac paramtype2 (551)	—	—
2320	2335	16	aac paramtype3 (552)	—	—
2336	2351	16	aac paramtype4 (552)	—	—
2352	2415	64	aac statusmsg0 (587)	—	—
2416	2479	64	aac statusmsg1 (587)	—	—
2480	2543	64	aac statusmsg2 (587)	—	—
2544	2607	64	aac statusmsg3 (588)	—	—
2608	2671	64	aac statusmsg4 (588)	—	—
2672	2703	32	aac bfdestqbd0 (492)	—	—
2704	2735	32	aac bfdestqbd1 (492)	—	—
2736	2767	32	aac bfdestqbd2 (493)	—	—
2768	2799	32	aac bfieldesttam0 (494)	—	—
2800	2831	32	aac bfieldesttam1 (494)	—	—
2832	2863	32	aac bfieldesttam2 (495)	—	—
2864	2879	16	aac mtbtlmctrp0 (540)	—	—
2880	2895	16	aac mtbtlmctrp1 (540)	—	—
2896	2911	16	aac mtbtlmctrp2 (541)	—	—
2912	2927	16	aac mtbtlmctrm0 (539)	—	—
2928	2943	16	aac mtbtlmctrm1 (539)	—	—
2944	2959	16	aac mtbtlmctrm2 (540)	—	—
2960	2975	16	aac mtbcmctrp0 (533)	—	—
2976	2991	16	aac mtbcmctrp1 (533)	—	—
2992	3007	16	aac mtbcmctrp2 (533)	—	—
3008	3023	16	aac mtbcmctrm0 (532)	—	—
3024	3039	16	aac mtbcmctrm1 (532)	—	—
3040	3055	16	aac mtbcmctrm2 (532)	—	—
3056	3071	16	aac mtumerrcnt (546)	—	—
3072	3087	16	aac rtnullconvcnt (553)	—	—
3088	3103	16	aac sunaqconvcnt (589)	—	—
3104	3119	16	aac sunpntecclipsetmr (589)	—	—
3120	3123	4	aac mtbxpulsew (541)	—	—
3124	3127	4	aac mtbypulsew (543)	—	—
3128	3131	4	aac mtbzipulsew (544)	—	—
3132	3132	1	aac mtbcmddisable0 (534)	—	—
3133	3133	1	aac mtbcmddisable1 (534)	—	—
3134	3134	1	aac mtbcmddisable2 (534)	—	—
3135	3135	1	aac aacstatussp63 (489)	—	—
3136	3139	4	aac mtbxpulsewcntr (542)	—	—
3140	3143	4	aac mtbypulsewcntr (543)	—	—
3144	3147	4	aac mtbzipulsewcntr (545)	—	—
3148	3148	1	aac mtbcmdenable0 (536)	—	—

Packet **aac_ape_aac_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
3149	3149	1	aac mtbcmdenable1 (536)	—	—
3150	3150	1	aac mtbcmdenable2 (537)	—	—
3151	3151	1	aac aacstatusp64 (490)	—	—
3152	3153	2	aac css1dtavld (496)	—	—
3154	3155	2	aac css2dtavld (498)	—	—
3156	3157	2	aac css3dtavld (499)	—	—
3158	3159	2	aac css4dtavld (500)	—	—
3160	3161	2	aac css5dtavld (501)	—	—
3162	3163	2	aac css6dtavld (503)	—	—
3164	3165	2	aac css7dtavld (504)	—	—
3166	3167	2	aac css8dtavld (505)	—	—
3168	3168	1	aac mtbxcmdtsttlm (541)	—	—
3169	3169	1	aac mtbycmdtsttlm (542)	—	—
3170	3170	1	aac mtbzcmtsttlm (544)	—	—
3171	3171	1	aac css1curtsttlm (496)	—	—
3172	3172	1	aac css2curtsttlm (497)	—	—
3173	3173	1	aac css3curtsttlm (498)	—	—
3174	3174	1	aac css4curtsttlm (500)	—	—
3175	3175	1	aac css5curtsttlm (501)	—	—
3176	3176	1	aac css6curtsttlm (502)	—	—
3177	3177	1	aac css7curtsttlm (503)	—	—
3178	3178	1	aac css8curtsttlm (505)	—	—
3179	3179	1	aac mtbcmdechoxdir (535)	—	—
3180	3180	1	aac mtbcmdechoydir (535)	—	—
3181	3181	1	aac mtbcmdechozdir (535)	—	—
3182	3182	1	aac tamstrtupdtav (594)	—	—
3183	3183	1	aac tamscrossbvld (594)	—	—

Packet size = 3184 bits (398 bytes) .

F.2 ac ad

Packet Source Application Identifier

0x007 (7)

OASIS Stream Name

ac7

Description

AC AD Packet

Format

Packet **ac ad** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac adpid (620)	—	—
16	17	2	ac adsflg (625)	—	—
18	31	14	ac adsct (625)	—	—
32	47	16	ac adpl (620)	—	—
48	63	16	ac adhws (616)	—	—
64	79	16	ac adlws (618)	—	—
80	95	16	ac adhwss (616)	—	—
96	111	16	ac adlwss (618)	—	—
112	119	8	ac adpad1 (619)	—	—
120	127	8	ac adpad2 (619)	—	—
128	191	64	ac adstrgain0 (625)	—	—
192	255	64	ac adstrgain1 (626)	—	—
256	319	64	ac adstrgain2 (626)	—	—
320	383	64	ac adstrgain3 (626)	—	—
384	447	64	ac adstrgain4 (627)	—	—
448	511	64	ac adstrgain5 (627)	—	—
512	575	64	ac adstrgain6 (627)	—	—
576	639	64	ac adstrgain7 (628)	—	—
640	703	64	ac adstrgain8 (628)	—	—
704	767	64	ac adqinr2beststry0 (623)	—	—
768	831	64	ac adqinr2beststry1 (624)	—	—
832	895	64	ac adqinr2beststry2 (624)	—	—
896	959	64	ac adqinr2beststry3 (624)	—	—
960	1023	64	ac adpstronly0 (620)	—	—
1024	1087	64	ac adpstronly1 (621)	—	—
1088	1151	64	ac adpstronly2 (621)	—	—
1152	1215	64	ac adpstronly3 (621)	—	—
1216	1279	64	ac adpstronly4 (622)	—	—
1280	1343	64	ac adpstronly5 (622)	—	—
1344	1407	64	ac adpstronly6 (622)	—	—
1408	1471	64	ac adpstronly7 (623)	—	—
1472	1535	64	ac adpstronly8 (623)	—	—
1536	1599	64	ac adstrratemeas0 (633)	—	—
1600	1663	64	ac adstrratemeas1 (634)	—	—

Packet **ac ad** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac adstrratemeas2 (634)	—	—
1728	1791	64	ac adstrmesresid0 (628)	—	—
1792	1855	64	ac adstrmesresid1 (629)	—	—
1856	1919	64	ac adstrmesresid2 (630)	—	—
1920	1983	64	ac adstrmesresidsc0 (630)	—	—
1984	2047	64	ac adstrmesresidsc1 (631)	—	—
2048	2111	64	ac adstrmesresidsc2 (631)	—	—
2112	2175	64	ac adstrphiplusbd0 (631)	—	—
2176	2239	64	ac adstrphiplusbd1 (632)	—	—
2240	2303	64	ac adstrphiplusbd2 (633)	—	—
2304	2319	16	ac adconvnce (615)	—	—
2320	2321	2	ac adnewdata (619)	—	—
2322	2323	2	ac advld (636)	—	—
2324	2325	2	ac adupdatstat (635)	—	—
2326	2327	2	ac adinitmd (616)	—	—
2328	2328	1	ac adstrvldresid (635)	—	—
2329	2335	7	ac adadsp (615)	—	—
2336	2351	16	ac adadsp1 (615)	—	—

Packet size = 2352 bits (294 bytes) .

F.3 ac anc

Packet Source Application Identifier

0x008 (8)

OASIS Stream Name

ac8

Description

AC Ancillary Packet

Format

Packet **ac anc** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac ancpid (645)	—	—
16	17	2	ac ancslg (646)	—	—
18	31	14	ac ancsc (646)	—	—
32	47	16	ac ancpl (645)	—	—
48	63	16	ac anchws (638)	—	—
64	79	16	ac anclws (644)	—	—
80	95	16	ac anchwss (639)	—	—
96	111	16	ac anclwss (644)	—	—
112	119	8	ac ancpad1 (644)	—	—
120	127	8	ac ancpad2 (645)	—	—
128	191	64	ac irudcmgyrtobd00 (758)	—	—
192	255	64	ac irudcmgyrtobd01 (758)	—	—
256	319	64	ac irudcmgyrtobd02 (759)	—	—
320	383	64	ac irudcmgyrtobd03 (759)	—	—
384	447	64	ac irudcmgyrtobd10 (759)	—	—
448	511	64	ac irudcmgyrtobd11 (760)	—	—
512	575	64	ac irudcmgyrtobd12 (760)	—	—
576	639	64	ac irudcmgyrtobd13 (760)	—	—
640	703	64	ac irudcmgyrtobd20 (761)	—	—
704	767	64	ac irudcmgyrtobd21 (761)	—	—
768	831	64	ac irudcmgyrtobd22 (761)	—	—
832	895	64	ac irudcmgyrtobd23 (762)	—	—
896	959	64	ac st1dcmbdtosta00 (949)	—	—
960	1023	64	ac st1dcmbdtosta01 (949)	—	—
1024	1087	64	ac st1dcmbdtosta02 (949)	—	—
1088	1151	64	ac st1dcmbdtosta10 (950)	—	—
1152	1215	64	ac st1dcmbdtosta11 (950)	—	—
1216	1279	64	ac st1dcmbdtosta12 (950)	—	—
1280	1343	64	ac st1dcmbdtosta20 (951)	—	—
1344	1407	64	ac st1dcmbdtosta21 (951)	—	—
1408	1471	64	ac st1dcmbdtosta22 (951)	—	—
1472	1535	64	ac ancst1q0 (648)	—	—
1536	1599	64	ac ancst1q1 (648)	—	—
1600	1663	64	ac ancst1q2 (649)	—	—

Packet **ac anc** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac ancst1q3 (649)	—	—
1728	1791	64	ac st1qinr2bdraw0 (959)	—	—
1792	1855	64	ac st1qinr2bdraw1 (960)	—	—
1856	1919	64	ac st1qinr2bdraw2 (960)	—	—
1920	1983	64	ac st1qinr2bdraw3 (960)	—	—
1984	2047	64	ac st1qinr2staprp0 (961)	—	—
2048	2111	64	ac st1qinr2staprp1 (961)	—	—
2112	2175	64	ac st1qinr2staprp2 (961)	—	—
2176	2239	64	ac st1qinr2staprp3 (962)	—	—
2240	2303	64	ac iru0biasest0 (742)	—	—
2304	2367	64	ac iru0biasest1 (742)	—	—
2368	2431	64	ac iru0biasest2 (743)	—	—
2432	2495	64	ac iru1biasest0 (743)	—	—
2496	2559	64	ac iru1biasest1 (743)	—	—
2560	2623	64	ac iru1biasest2 (744)	—	—
2624	2687	64	ac iru2biasest0 (747)	—	—
2688	2751	64	ac iru2biasest1 (747)	—	—
2752	2815	64	ac iru2biasest2 (747)	—	—
2816	2879	64	ac anciruomegamesb0 (643)	—	—
2880	2943	64	ac anciruomegamesb1 (643)	—	—
2944	3007	64	ac anciruomegamesb2 (643)	—	—
3008	3071	64	ac iruomegafilbd0 (773)	—	—
3072	3135	64	ac iruomegafilbd1 (774)	—	—
3136	3199	64	ac iruomegafilbd2 (774)	—	—
3200	3263	64	ac st1omegaraw0 (958)	—	—
3264	3327	64	ac st1omegaraw1 (958)	—	—
3328	3391	64	ac st1omegaraw2 (958)	—	—
3392	3455	64	ac st1omegames0 (957)	—	—
3456	3519	64	ac st1omegames1 (957)	—	—
3520	3583	64	ac st1omegames2 (957)	—	—
3584	3647	64	ac iruomegamesgyro0 (775)	—	—
3648	3711	64	ac iruomegamesgyro1 (776)	—	—
3712	3775	64	ac iruomegamesgyro2 (776)	—	—
3776	3839	64	ac iruomegamesgyro3 (776)	—	—
3840	3903	64	ac anctmsystem (651)	—	—
3904	3967	64	ac apesttltmtm (652)	—	—
3968	4031	64	ac st1bkttemp (948)	—	—
4032	4095	64	ac st1toirutmdelay (964)	—	—
4096	4127	32	ac ancst1secstatus (651)	—	—
4128	4143	16	ac ancst1qualindy (649)	—	—
4144	4159	16	ac ancst1qualindz (650)	—	—
4160	4175	16	ac ancst1centofintg (646)	—	—
4176	4191	16	ac ancst1cmdcycctr (647)	—	—
4192	4207	16	ac ancst1dtreftcctr (647)	—	—
4208	4223	16	ac ancst1dtmsreftct (647)	—	—
4224	4239	16	ac ancst1sainfvddat (650)	—	—
4240	4255	16	ac ancst1sainffrcnt (650)	—	—

Packet **ac anc** Format, cont'd

start bit	stop bit	size bits	field		
4256	4271	16	ac ancst1ldtm (648)	—	—
4272	4287	16	ac ancst1syntdef (651)	—	—
4288	4303	16	ac sst1seqct (948)	—	—
4304	4335	32	ac irudeltact00 (762)	—	—
4336	4367	32	ac irudeltact01 (762)	—	—
4368	4399	32	ac irudeltact10 (763)	—	—
4400	4431	32	ac irudeltact11 (763)	—	—
4432	4463	32	ac irudeltact20 (763)	—	—
4464	4495	32	ac irudeltact21 (764)	—	—
4496	4511	16	ac irupacketvalid (777)	—	—
4512	4527	16	ac irudatavalid (757)	—	—
4528	4543	16	ac irupktvalidfct (777)	—	—
4544	4559	16	ac irurawct00 (777)	—	—
4560	4575	16	ac irurawct01 (778)	—	—
4576	4591	16	ac irurawct10 (778)	—	—
4592	4607	16	ac irurawct11 (778)	—	—
4608	4623	16	ac irurawct20 (779)	—	—
4624	4639	16	ac irurawct21 (779)	—	—
4640	4655	16	ac iruturnontm0 (786)	—	—
4656	4671	16	ac iruturnontm1 (786)	—	—
4672	4687	16	ac iruturnontm2 (786)	—	—
4688	4703	16	ac irufdccompvalid0 (764)	—	—
4704	4719	16	ac irufdccompvalid1 (764)	—	—
4720	4735	16	ac irufdccompvalid2 (765)	—	—
4736	4751	16	ac irufdcdatavalid0 (765)	—	—
4752	4767	16	ac irufdcdatavalid1 (766)	—	—
4768	4783	16	ac irufdcdatavalid2 (766)	—	—
4784	4799	16	ac irutmptstfct0 (785)	—	—
4800	4815	16	ac irutmptstfct1 (785)	—	—
4816	4831	16	ac irutmptstfct2 (785)	—	—
4832	4847	16	ac irumotcurfct0 (771)	—	—
4848	4863	16	ac irumotcurfct1 (771)	—	—
4864	4879	16	ac irumotcurfct2 (771)	—	—
4880	4895	16	ac irustaticdtfct00 (781)	—	—
4896	4911	16	ac irustaticdtfct01 (782)	—	—
4912	4927	16	ac irustaticdtfct10 (782)	—	—
4928	4943	16	ac irustaticdtfct11 (782)	—	—
4944	4959	16	ac irustaticdtfct20 (783)	—	—
4960	4975	16	ac irustaticdtfct21 (783)	—	—
4976	4991	16	ac irusenratefct00 (779)	—	—
4992	5007	16	ac irusenratefct01 (780)	—	—
5008	5023	16	ac irusenratefct10 (780)	—	—
5024	5039	16	ac irusenratefct11 (780)	—	—
5040	5055	16	ac irusenratefct20 (781)	—	—
5056	5071	16	ac irusenratefct21 (781)	—	—
5072	5072	1	ac anciruffdcen (639)	—	—
5073	5073	1	ac ancirufstuptv (641)	—	—

Packet **ac anc** Format, cont'd

start bit	stop bit	size bits	field		
5074	5074	1	ac ancirufpntfault (640)	—	—
5075	5075	1	ac ancirufpktinv (640)	—	—
5076	5077	2	ac ancirufnumpwred (639)	—	—
5078	5079	2	ac ancirufxdtfound (641)	—	—
5080	5081	2	ac ancirufydtfound (642)	—	—
5082	5083	2	ac ancirufzdtfound (642)	—	—
5084	5087	4	ac ancirufspare (641)	—	—
5088	5103	16	ac apeiru1x (652)	—	—
5104	5119	16	ac apeiru1y (652)	—	—
5120	5135	16	ac apeiru2x (653)	—	—
5136	5151	16	ac apeiru2y (653)	—	—
5152	5167	16	ac apeiru3x (653)	—	—
5168	5183	16	ac apeiru3y (654)	—	—

Packet size = 5184 bits (648 bytes) .

F.4 ac cruciform

Packet Source Application Identifier

0x00e (14)

OASIS Stream Name

ac14

Description

AC Cruciform Telemetry Packet

Format

Packet **ac cruciform** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac cruciformpid (680)	—	—
16	17	2	ac cruciformsflg (681)	—	—
18	31	14	ac cruciformsct (681)	—	—
32	47	16	ac cruciformpl (681)	—	—
48	63	16	ac cruciformhws (678)	—	—
64	79	16	ac cruciformlws (679)	—	—
80	95	16	ac cruciformhwss (679)	—	—
96	111	16	ac cruciformlwss (679)	—	—
112	119	8	ac cruciformpad1 (680)	—	—
120	127	8	ac cruciformpad2 (680)	—	—
128	191	64	ac crucqinr2bdref0 (683)	—	—
192	255	64	ac crucqinr2bdref1 (684)	—	—
256	319	64	ac crucqinr2bdref2 (684)	—	—
320	383	64	ac crucqinr2bdref3 (684)	—	—
384	447	64	ac crucqinr2bdlst0 (682)	—	—
448	511	64	ac crucqinr2bdlst1 (682)	—	—
512	575	64	ac crucqinr2bdlst2 (683)	—	—
576	639	64	ac crucqinr2bdlst3 (683)	—	—
640	703	64	ac crucaxisrot0 (677)	—	—
704	767	64	ac crucaxisrot1 (677)	—	—
768	831	64	ac crucaxisrot2 (677)	—	—
832	847	16	ac cruccmd (682)	—	—
848	863	16	ac crucaxis (676)	—	—
864	879	16	ac cruccnter (678)	—	—
880	895	16	ac cructm (685)	—	—

Packet size = 896 bits (112 bytes) .

F.5 ac fstatitude

Packet Source Application Identifier

0x001 (1)

OASIS Stream Name

ac1

Description

AC Fast Attitude Packet

Format

Packet **ac fstatitude** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac fstattpid (725)	—	—
16	17	2	ac fstatstflg (726)	—	—
18	31	14	ac fstatstct (725)	—	—
32	47	16	ac fstattp1 (725)	—	—
48	63	16	ac fstatthws (723)	—	—
64	79	16	ac fstatlws (723)	—	—
80	95	16	ac fstatthwss (723)	—	—
96	111	16	ac fstatlwss (724)	—	—
112	119	8	ac fstattpad1 (724)	—	—
120	127	8	ac fstattpad2 (724)	—	—
128	191	64	ac aqinr2bdyest0 (659)	—	—
192	255	64	ac aqinr2bdyest1 (659)	—	—
256	319	64	ac aqinr2bdyest2 (660)	—	—
320	383	64	ac aqinr2bdyest3 (660)	—	—
384	447	64	ac omegaestbdy0 (843)	—	—
448	511	64	ac omegaestbdy1 (843)	—	—
512	575	64	ac omegaestbdy2 (844)	—	—
576	639	64	ac adirubiasest0 (617)	—	—
640	703	64	ac adirubiasest1 (617)	—	—
704	767	64	ac adirubiasest2 (618)	—	—
768	831	64	ac tmsystem (1006)	—	—
832	847	16	ac attsource (672)	—	—
848	863	16	ac ratesource (853)	—	—
864	879	16	ac xbfsttlmok (1021)	—	—
880	895	16	ac xbfsttlmerr (1021)	—	—
896	911	16	ac xbslwtlmok (1022)	—	—
912	927	16	ac xbepsslwtlmok (1021)	—	—

Packet size = 928 bits (116 bytes) .

F.6 ac fstcont

Packet Source Application Identifier

0x00a (10)

OASIS Stream Name

ac10

Description

AC Fast Control Packet

Format

Packet **ac fstcont** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac fstcontpid (728)	—	—
16	17	2	ac fstcontsflg (729)	—	—
18	31	14	ac fstcontsct (729)	—	—
32	47	16	ac fstcontpl (728)	—	—
48	63	16	ac fstconthws (726)	—	—
64	79	16	ac fstcontlws (727)	—	—
80	95	16	ac fstconthwss (726)	—	—
96	111	16	ac fstcontlwss (727)	—	—
112	119	8	ac fstcontpad1 (727)	—	—
120	127	8	ac fstcontpad2 (728)	—	—
128	191	64	ac aqinr2bdycmd0 (658)	—	—
192	255	64	ac aqinr2bdycmd1 (658)	—	—
256	319	64	ac aqinr2bdycmd2 (658)	—	—
320	383	64	ac aqinr2bdycmd3 (659)	—	—
384	447	64	ac omegacmdbdy0 (836)	—	—
448	511	64	ac omegacmdbdy1 (837)	—	—
512	575	64	ac omegacmdbdy2 (838)	—	—
576	639	64	ac thetaerrlmtbd0 (1004)	—	—
640	703	64	ac thetaerrlmtbd1 (1004)	—	—
704	767	64	ac thetaerrlmtbd2 (1005)	—	—
768	831	64	ac omegaerrlmtbd0 (841)	—	—
832	895	64	ac omegaerrlmtbd1 (841)	—	—
896	959	64	ac omegaerrlmtbd2 (842)	—	—
960	1023	64	ac intgerrlmtbdy0 (740)	—	—
1024	1087	64	ac intgerrlmtbdy1 (741)	—	—
1088	1151	64	ac intgerrlmtbdy2 (741)	—	—
1152	1215	64	ac tcmdrwabdy0 (999)	—	—
1216	1279	64	ac tcmdrwabdy1 (1000)	—	—
1280	1343	64	ac tcmdrwabdy2 (1001)	—	—
1344	1407	64	ac rwtcmdlmt0 (886)	—	—
1408	1471	64	ac rwtcmdlmt1 (886)	—	—
1472	1535	64	ac rwtcmdlmt2 (887)	—	—
1536	1599	64	ac torquefrcl (1007)	—	—
1600	1663	64	ac torquefrcl (1008)	—	—

Packet **ac fstcont** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac torquefr2 (1009)	—	—
1728	1759	32	ac slwmd (929)	—	—
1760	1791	32	ac acsmd (611)	—	—
1792	1807	16	ac systemmd (979)	—	—
1808	1808	1	ac acscdhcmdtofrwa1 (609)	—	—
1809	1809	1	ac acscdhcmdtofrwa2 (609)	—	—
1810	1810	1	ac acscdhcmdtofrwa3 (609)	—	—
1811	1811	1	ac acscdhcmdsp1 (605)	—	—
1812	1812	1	ac acscdhcmdcssfsape (603)	—	—
1813	1813	1	ac acscdhcmdsp2 (605)	—	—
1814	1814	1	ac acscdhcmdstfl (606)	—	—
1815	1815	1	ac acscdhcmdtamfl (607)	—	—
1816	1816	1	ac acscdhcmdtofmtbx (607)	—	—
1817	1817	1	ac acscdhcmdtofmtby (608)	—	—
1818	1818	1	ac acscdhcmdtofmtbz (608)	—	—
1819	1819	1	ac acscdhcmdfpciru1 (604)	—	—
1820	1820	1	ac acscdhcmdfpciru2 (604)	—	—
1821	1821	1	ac acscdhcmdsvcips (606)	—	—
1822	1822	1	ac acscdhcmddeceph (604)	—	—
1823	1823	1	ac acscdhcmdsp3 (605)	—	—

Packet size = 1824 bits (228 bytes) .

F.7 ac fstsensor

Packet Source Application Identifier

0x003 (3)

OASIS Stream Name

ac3

Description

AC Fast Sensor Packet

Format

Packet **ac fstsensor** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac fstsensorpid (731)	—	—
16	17	2	ac fstsensorsflg (732)	—	—
18	31	14	ac fstsensorsct (732)	—	—
32	47	16	ac fstsensorpl (732)	—	—
48	63	16	ac fstsensorhws (730)	—	—
64	79	16	ac fstsensorlws (731)	—	—
80	95	16	ac fstsensorhwss (730)	—	—
96	111	16	ac fstsensorlwss (731)	—	—
112	119	8	ac fstsenpad1 (729)	—	—
120	127	8	ac fstsenpad2 (730)	—	—
128	191	64	ac iruomegamesbd0 (774)	—	—
192	255	64	ac iruomegamesbd1 (775)	—	—
256	319	64	ac iruomegamesbd2 (775)	—	—
320	383	64	ac aqinrtostames00 (662)	—	—
384	447	64	ac aqinrtostames01 (662)	—	—
448	511	64	ac aqinrtostames02 (662)	—	—
512	575	64	ac aqinrtostames03 (663)	—	—
576	639	64	ac rwaspdfil0 (879)	—	—
640	703	64	ac rwaspdfil1 (880)	—	—
704	767	64	ac rwaspdfil2 (881)	—	—
768	783	16	ac st1dtavld (952)	—	—
784	799	16	ac stapacketvalid (970)	—	—
800	815	16	ac stapktvalid (971)	—	—
816	817	2	ac css1fdcdtavld (686)	—	—
818	819	2	ac css2fdcdtavld (688)	—	—
820	821	2	ac css3fdcdtavld (689)	—	—
822	823	2	ac css4fdcdtavld (691)	—	—
824	825	2	ac css5fdcdtavld (693)	—	—
826	827	2	ac css6fdcdtavld (694)	—	—
828	829	2	ac css7fdcdtavld (696)	—	—
830	831	2	ac css8fdcdtavld (698)	—	—
832	833	2	ac iru1datavalid (746)	—	—
834	835	2	ac iru2datavalid (749)	—	—
836	837	2	ac iru3datavalid (752)	—	—

Packet **ac ftsensor** Format, cont'd

start bit	stop bit	size bits	field		
838	847	10	ac irudatavidspare (758)	—	—
848	849	2	ac st1fdcdtavld (954)	—	—
850	863	14	ac stadatavidspare (966)	—	—
864	865	2	ac rwa1dtavld (854)	—	—
866	867	2	ac rwa2dtavld (856)	—	—
868	869	2	ac rwa3dtavld (858)	—	—
870	879	10	ac rwadatavidspare (861)	—	—

Packet size = 880 bits (110 bytes) .

F.8 ac mediumcont

Packet Source Application Identifier

0x00b (11)

OASIS Stream Name

ac11

Description

AC Medium Control Packet

Format

Packet **ac mediumcont** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac mediumcontpid (792)	—	—
16	17	2	ac mediumcontsflg (793)	—	—
18	31	14	ac mediumcontsct (793)	—	—
32	47	16	ac mediumcontpl (793)	—	—
48	63	16	ac mediumconthws (791)	—	—
64	79	16	ac mediumcontlws (792)	—	—
80	95	16	ac mediumconthwss (791)	—	—
96	111	16	ac mediumcontlwss (792)	—	—
112	119	8	ac medcontpad1 (790)	—	—
120	127	8	ac medcontpad2 (791)	—	—
128	191	64	ac aqinr2rb0 (660)	—	—
192	255	64	ac aqinr2rb1 (661)	—	—
256	319	64	ac aqinr2rb2 (661)	—	—
320	383	64	ac aqinr2rb3 (661)	—	—
384	447	64	ac aqref2bdycmd0 (667)	—	—
448	511	64	ac aqref2bdycmd1 (667)	—	—
512	575	64	ac aqref2bdycmd2 (668)	—	—
576	639	64	ac aqref2bdycmd3 (668)	—	—
640	703	64	ac slwomegacmdbd0 (929)	—	—
704	767	64	ac slwomegacmdbd1 (930)	—	—
768	831	64	ac slwomegacmdbd2 (931)	—	—
832	895	64	ac slwtcmdbdy0 (940)	—	—
896	959	64	ac slwtcmdbdy1 (941)	—	—
960	1023	64	ac slwtcmdbdy2 (941)	—	—
1024	1087	64	ac tcmdbdy0 (997)	—	—
1088	1151	64	ac tcmdbdy1 (998)	—	—
1152	1215	64	ac tcmdbdy2 (999)	—	—
1216	1279	64	ac mtumsyserrbd0 (834)	—	—
1280	1343	64	ac mtumsyserrbd1 (834)	—	—
1344	1407	64	ac mtumsyserrbd2 (835)	—	—
1408	1471	64	ac slwtbd0 (939)	—	—
1472	1535	64	ac slwtbd1 (939)	—	—
1536	1599	64	ac slwtbd2 (940)	—	—
1600	1663	64	ac slwomega (929)	—	—

Packet **ac mediumcont** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac slwtime (943)	—	—
1728	1791	64	ac slwcycl (924)	—	—
1792	1855	64	ac slwthetatot (943)	—	—
1856	1919	64	ac slwomegatot (931)	—	—
1920	1983	64	ac mtbcmddp0 (811)	—	—
1984	2047	64	ac mtbcmddp1 (811)	—	—
2048	2111	64	ac mtbcmddp2 (812)	—	—
2112	2175	64	ac mtbcmdcu0 (806)	—	—
2176	2239	64	ac mtbcmdcu1 (807)	—	—
2240	2303	64	ac mtbcmdcu2 (808)	—	—
2304	2319	16	ac mtbpw0 (821)	—	—
2320	2335	16	ac mtbpw1 (821)	—	—
2336	2351	16	ac mtbpw2 (822)	—	—
2352	2367	16	ac mtbpwcntr0 (822)	—	—
2368	2383	16	ac mtbpwcntr1 (822)	—	—
2384	2399	16	ac mtbpwcntr2 (823)	—	—
2400	2431	32	ac thetaerrflcntr (1003)	—	—
2432	2463	32	ac omegaerrflcntr (840)	—	—
2464	2495	32	ac mtumfailcntr (833)	—	—
2496	2511	16	ac mtummetcntr (834)	—	—
2512	2527	16	ac slwcnter (918)	—	—
2528	2543	16	ac slwsignalalpha (939)	—	—
2544	2551	8	ac momentthresmet (801)	—	—
2552	2559	8	ac mediumcontsp (794)	—	—
2560	2560	1	ac sunaqbak2frflg (973)	—	—
2561	2561	1	ac sunaqbak2friruv (973)	—	—
2562	2562	1	ac sunaqblindznflg (973)	—	—
2563	2563	1	ac sunaqblindzniruv (974)	—	—
2564	2564	1	ac sunaqbzswaxisflg (974)	—	—
2565	2565	1	ac sunaqrtnullbzflg (975)	—	—
2566	2575	10	ac medcontflgssp (790)	—	—

Packet size = 2576 bits (322 bytes) .

F.9 ac mediumsensor

Packet Source Application Identifier

0x004 (4)

OASIS Stream Name

ac4

Description

AC Medium Sensor Packet

Format

Packet **ac mediumsensor** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac mediumsensorp id (795)	—	—
16	17	2	ac mediumsensors flg (796)	—	—
18	31	14	ac mediumsensors sct (796)	—	—
32	47	16	ac mediumsensor pl (796)	—	—
48	63	16	ac mediumsensor hws (794)	—	—
64	79	16	ac mediumsensor lws (795)	—	—
80	95	16	ac mediumsensor hwss (794)	—	—
96	111	16	ac mediumsensor lwss (795)	—	—
112	119	8	ac medsen pad1 (797)	—	—
120	127	8	ac medsen pad2 (797)	—	—
128	191	64	ac ratefrmsunc ss0 (850)	—	—
192	255	64	ac ratefrmsunc ss1 (851)	—	—
256	319	64	ac ratefrmsunc ss2 (852)	—	—
320	383	64	ac mtbdp bdy0 (815)	—	—
384	447	64	ac mtbdp bdy1 (816)	—	—
448	511	64	ac mtbdp bdy2 (817)	—	—
512	575	64	ac dpmtb 0 (718)	—	—
576	639	64	ac dpmtb 1 (719)	—	—
640	703	64	ac dpmtb 2 (720)	—	—
704	767	64	ac mtbmeas cur0 (819)	—	—
768	831	64	ac mtbmeas cur1 (820)	—	—
832	895	64	ac mtbmeas cur2 (820)	—	—
896	959	64	ac tam bfdestbd0 (985)	—	—
960	1023	64	ac tam bfdestbd1 (985)	—	—
1024	1087	64	ac tam bfdestbd2 (985)	—	—
1088	1151	64	ac ratefrmb field0 (848)	—	—
1152	1215	64	ac ratefrmb field1 (849)	—	—
1216	1279	64	ac ratefrmb field2 (850)	—	—
1280	1343	64	ac bfield rateestbd0 (675)	—	—
1344	1407	64	ac bfield rateestbd1 (676)	—	—
1408	1471	64	ac bfield rateestbd2 (676)	—	—
1472	1535	64	ac bdot basedomega0 (672)	—	—
1536	1599	64	ac bdot basedomega1 (673)	—	—
1600	1663	64	ac bdot basedomega2 (673)	—	—

Packet **ac mediumsensor** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac bfdestqbd0 (673)	—	—
1728	1791	64	ac bfdestqbd1 (674)	—	—
1792	1855	64	ac bfdestqbd2 (674)	—	—
1856	1919	64	ac csscurmes0 (705)	—	—
1920	1983	64	ac csscurmes1 (705)	—	—
1984	2047	64	ac csscurmes2 (705)	—	—
2048	2111	64	ac csscurmes3 (706)	—	—
2112	2175	64	ac csscurmes4 (706)	—	—
2176	2239	64	ac csscurmes5 (706)	—	—
2240	2303	64	ac csscurmes6 (707)	—	—
2304	2367	64	ac csscurmes7 (707)	—	—
2368	2431	64	ac scrossbangle (907)	—	—
2432	2433	2	ac fasttlmpktvalid (722)	—	—
2434	2434	1	ac st1earthoccult (954)	—	—
2435	2435	1	ac st1sunoccult (963)	—	—
2436	2436	1	ac st1moonoccult (955)	—	—
2437	2437	1	ac csseclipseflg (713)	—	—
2438	2438	1	ac scrossbvld (908)	—	—
2439	2446	8	ac csslitstat (715)	—	—
2447	2447	1	ac sensorflagsp (911)	—	—
2448	2449	2	ac mtbxdtavld (827)	—	—
2450	2451	2	ac mtbydtavld (829)	—	—
2452	2453	2	ac mtbzdavld (831)	—	—
2454	2454	1	ac mtbx dptst (826)	—	—
2455	2455	1	ac mtby dptst (828)	—	—
2456	2456	1	ac mtbz dptst (830)	—	—
2457	2457	1	ac mtbxc mddtst (825)	—	—
2458	2458	1	ac mtbyc mddtst (827)	—	—
2459	2459	1	ac mtbzc mddtst (829)	—	—
2460	2463	4	ac mtbfdcstatussp (818)	—	—
2464	2464	1	ac iru1temptst (746)	—	—
2465	2465	1	ac iru1motorcurrst (746)	—	—
2466	2466	1	ac iru1ch1statictst (744)	—	—
2467	2467	1	ac iru1ch2statictst (745)	—	—
2468	2468	1	ac iru1ch1ratetst (744)	—	—
2469	2469	1	ac iru1ch2ratetst (745)	—	—
2470	2470	1	ac iru2temptst (750)	—	—
2471	2471	1	ac iru2motorcurrst (750)	—	—
2472	2472	1	ac iru2ch1statictst (748)	—	—
2473	2473	1	ac iru2ch2statictst (749)	—	—
2474	2474	1	ac iru2ch1ratetst (748)	—	—
2475	2475	1	ac iru2ch2ratetst (748)	—	—
2476	2476	1	ac iru3temptst (753)	—	—
2477	2477	1	ac iru3motorcurrst (753)	—	—
2478	2478	1	ac iru3ch1statictst (751)	—	—
2479	2479	1	ac iru3ch2statictst (751)	—	—
2480	2480	1	ac iru3ch1ratetst (750)	—	—

Packet **ac mediumsensor** Format, cont'd

start bit	stop bit	size bits	field		
2481	2481	1	ac iru3ch2ratetst (751)	—	—
2482	2495	14	ac irutestfailspare (783)	—	—
2496	2496	1	ac rwa1ovrspdtst (855)	—	—
2497	2497	1	ac rwa1zerocnttst (855)	—	—
2498	2498	1	ac rwa1torquetst (855)	—	—
2499	2499	1	ac rwa1curtst (854)	—	—
2500	2500	1	ac rwa2ovrspdtst (857)	—	—
2501	2501	1	ac rwa2zerocnttst (857)	—	—
2502	2502	1	ac rwa2torquetst (857)	—	—
2503	2503	1	ac rwa2curtst (856)	—	—
2504	2504	1	ac rwa3ovrspdtst (859)	—	—
2505	2505	1	ac rwa3zerocnttst (860)	—	—
2506	2506	1	ac rwa3torquetst (859)	—	—
2507	2507	1	ac rwa3curtst (858)	—	—
2508	2511	4	ac rwatestfailspare (889)	—	—
2512	2512	1	ac st1nodtatst (956)	—	—
2513	2513	1	ac st1dtavldtst (952)	—	—
2514	2514	1	ac st1tmpst (964)	—	—
2515	2515	1	ac st1secondsttst (963)	—	—
2516	2516	1	ac st1dtreftst (953)	—	—
2517	2517	1	ac st1dtmesreftst (953)	—	—
2518	2518	1	ac st1sainfodtatst (962)	—	—
2519	2519	1	ac st1sainfofrmtst (962)	—	—
2520	2520	1	ac st1pktvldtst (959)	—	—
2521	2527	7	ac statestfailspare (971)	—	—
2528	2529	2	ac tamadtavld (981)	—	—
2530	2530	1	ac tamabfdrawtst (980)	—	—
2531	2531	1	ac tamatmpfled (983)	—	—
2532	2532	1	ac tamabfdesttst (979)	—	—
2533	2533	1	ac tamabrknwretst (981)	—	—
2534	2543	10	ac tamfdcstatussp (992)	—	—
2544	2544	1	ac css1curtst (686)	—	—
2545	2545	1	ac css2curtst (687)	—	—
2546	2546	1	ac css3curtst (689)	—	—
2547	2547	1	ac css4curtst (691)	—	—
2548	2548	1	ac css5curtst (692)	—	—
2549	2549	1	ac css6curtst (694)	—	—
2550	2550	1	ac css7curtst (696)	—	—
2551	2551	1	ac css8curtst (697)	—	—
2552	2552	1	ac css1celltest (685)	—	—
2553	2553	1	ac css2celltest (687)	—	—
2554	2554	1	ac css3celltest (688)	—	—
2555	2555	1	ac css4celltest (690)	—	—
2556	2556	1	ac css5celltest (692)	—	—
2557	2557	1	ac css6celltest (693)	—	—
2558	2558	1	ac css7celltest (695)	—	—
2559	2559	1	ac css8celltest (697)	—	—

Packet size = 2560 bits (320 bytes) .

F.10 ac slwattitude

Packet Source Application Identifier

0x002 (2)

OASIS Stream Name

ac2

Description

AC SLOW Attitude Packet

Format

Packet **ac slwattitude** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac slwattpid (916)	—	—
16	17	2	ac slwattsflg (917)	—	—
18	31	14	ac slwattsct (917)	—	—
32	47	16	ac slwattppl (917)	—	—
48	63	16	ac slwatthws (914)	—	—
64	79	16	ac slwatthws (915)	—	—
80	95	16	ac slwatthwss (915)	—	—
96	111	16	ac slwatthwss (915)	—	—
112	119	8	ac slwattpad1 (916)	—	—
120	127	8	ac slwattpad2 (916)	—	—
128	191	64	ac alphaestbdy0 (636)	—	—
192	255	64	ac alphaestbdy1 (637)	—	—
256	319	64	ac alphaestbdy2 (638)	—	—
320	383	64	ac torqueestbdy0 (1006)	—	—
384	447	64	ac torqueestbdy1 (1007)	—	—
448	511	64	ac torqueestbdy2 (1007)	—	—
512	575	64	ac delthetamesbd0 (716)	—	—
576	639	64	ac delthetamesbd1 (717)	—	—
640	703	64	ac delthetamesbd2 (718)	—	—
704	767	64	ac sunposmesuntbd0 (977)	—	—
768	831	64	ac sunposmesuntbd1 (977)	—	—
832	895	64	ac sunposmesuntbd2 (977)	—	—
896	959	64	ac sunangle0 (972)	—	—
960	1023	64	ac sunangle1 (972)	—	—
1024	1087	64	ac sunangle2 (972)	—	—
1088	1119	32	ac attmsnceupdctr (671)	—	—
1120	1151	32	ac attnotavailcntr (671)	—	—
1152	1167	16	ac xbst1tlmok (1022)	—	—
1168	1183	16	ac xbangdsstvecok (1020)	—	—
1184	1199	16	ac xbangdssmecfok (1020)	—	—
1200	1215	16	ac xbangdsmfok (1019)	—	—
1216	1231	16	ac xbapeultlmok (1020)	—	—
1232	1247	16	ac xbroutinetmerr (1022)	—	—

Packet size = 1248 bits (156 bytes) .

F.11 ac slwcont

Packet Source Application Identifier

0x00c (12)

OASIS Stream Name

ac12

Description

AC Slow Control Packet

Format

Packet ac slwcont Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac slwcontpid (921)	—	—
16	17	2	ac slwcontsflg (922)	—	—
18	31	14	ac slwcontsct (921)	—	—
32	47	16	ac slwcontpl (921)	—	—
48	63	16	ac slwconthws (919)	—	—
64	79	16	ac slwcontlws (919)	—	—
80	95	16	ac slwconthwss (919)	—	—
96	111	16	ac slwcontlwss (920)	—	—
112	119	8	ac slwcontpad1 (920)	—	—
120	127	8	ac slwcontpad2 (920)	—	—
128	191	64	ac aqorb2bdy0 (664)	—	—
192	255	64	ac aqorb2bdy1 (665)	—	—
256	319	64	ac aqorb2bdy2 (665)	—	—
320	383	64	ac aqorb2bdy3 (665)	—	—
384	447	64	ac aqsun2bdy0 (670)	—	—
448	511	64	ac aqsun2bdy1 (670)	—	—
512	575	64	ac aqsun2bdy2 (670)	—	—
576	639	64	ac aqsun2bdy3 (671)	—	—
640	703	64	ac aqinr2bdy0 (656)	—	—
704	767	64	ac aqinr2bdy1 (657)	—	—
768	831	64	ac aqinr2bdy2 (657)	—	—
832	895	64	ac aqinr2bdy3 (657)	—	—
896	959	64	ac aqref2bdybeg0 (666)	—	—
960	1023	64	ac aqref2bdybeg1 (666)	—	—
1024	1087	64	ac aqref2bdybeg2 (666)	—	—
1088	1151	64	ac aqref2bdybeg3 (667)	—	—
1152	1215	64	ac aqref2bdyend0 (668)	—	—
1216	1279	64	ac aqref2bdyend1 (669)	—	—
1280	1343	64	ac aqref2bdyend2 (669)	—	—
1344	1407	64	ac aqref2bdyend3 (669)	—	—
1408	1471	64	ac aqdbeg2end0 (655)	—	—
1472	1535	64	ac aqdbeg2end1 (655)	—	—
1536	1599	64	ac aqdbeg2end2 (656)	—	—
1600	1663	64	ac aqdbeg2end3 (656)	—	—

Packet **ac slwcont** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac aqinrtosun0 (663)	—	—
1728	1791	64	ac aqinrtosun1 (663)	—	—
1792	1855	64	ac aqinrtosun2 (664)	—	—
1856	1919	64	ac aqinrtosun3 (664)	—	—
1920	1983	64	ac bfieldestbdy0 (674)	—	—
1984	2047	64	ac bfieldestbdy1 (675)	—	—
2048	2111	64	ac bfieldestbdy2 (675)	—	—
2112	2175	64	ac thetaerrbdy0 (1001)	—	—
2176	2239	64	ac thetaerrbdy1 (1002)	—	—
2240	2303	64	ac thetaerrbdy2 (1003)	—	—
2304	2367	64	ac omegaerrbdy0 (838)	—	—
2368	2431	64	ac omegaerrbdy1 (839)	—	—
2432	2495	64	ac omegaerrbdy2 (840)	—	—
2496	2559	64	ac torquepidbdy0 (1013)	—	—
2560	2623	64	ac torquepidbdy1 (1014)	—	—
2624	2687	64	ac torquepidbdy2 (1015)	—	—
2688	2751	64	ac torquegyrestbd0 (1009)	—	—
2752	2815	64	ac torquegyrestbd1 (1010)	—	—
2816	2879	64	ac torquegyrestbd2 (1011)	—	—
2880	2943	64	ac torquemtbestbd0 (1011)	—	—
2944	3007	64	ac torquemtbestbd1 (1012)	—	—
3008	3071	64	ac torquemtbestbd2 (1013)	—	—
3072	3135	64	ac momentscestbd0 (799)	—	—
3136	3199	64	ac momentscestbd1 (800)	—	—
3200	3263	64	ac momentscestbd2 (801)	—	—
3264	3327	64	ac mtsysestbd0 (831)	—	—
3328	3391	64	ac mtsysestbd1 (832)	—	—
3392	3455	64	ac mtsysestbd2 (833)	—	—
3456	3519	64	ac sablindznptmr0 (903)	—	—
3520	3583	64	ac sablindznptmr1 (903)	—	—
3584	3647	64	ac sablindznptmr2 (903)	—	—
3648	3711	64	ac slweuleraxis0 (924)	—	—
3712	3775	64	ac slweuleraxis1 (924)	—	—
3776	3839	64	ac slweuleraxis2 (925)	—	—
3840	3903	64	ac slwtorqueaxis0 (945)	—	—
3904	3967	64	ac slwtorqueaxis1 (945)	—	—
3968	4031	64	ac slwtorqueaxis2 (945)	—	—
4032	4095	64	ac slwtorqmaxbd0 (944)	—	—
4096	4159	64	ac slwtorqmaxbd1 (944)	—	—
4160	4223	64	ac slwtorqmaxbd2 (944)	—	—
4224	4287	64	ac slwalphamaxbd0 (913)	—	—
4288	4351	64	ac slwalphamaxbd1 (914)	—	—
4352	4415	64	ac slwalphamaxbd2 (914)	—	—
4416	4479	64	ac slwalphabdy0 (912)	—	—
4480	4543	64	ac slwalphabdy1 (912)	—	—
4544	4607	64	ac slwalphabdy2 (913)	—	—
4608	4671	64	ac sab2folsnadtmr0 (901)	—	—

Packet **ac slwcont** Format, cont'd

start bit	stop bit	size bits	field		
4672	4735	64	ac sab2folsnadtmr1 (902)	—	—
4736	4799	64	ac sab2folsnadtmr2 (902)	—	—
4800	4863	64	ac sab2ftimer (902)	—	—
4864	4927	64	ac mtumsysestmag (835)	—	—
4928	4991	64	ac sablindzntmr0 (904)	—	—
4992	5055	64	ac acslowcontspare0 (610)	—	—
5056	5119	64	ac acslowcontspare1 (611)	—	—
5120	5183	64	ac acslowcontspare2 (611)	—	—
5184	5247	64	ac rwatcmdvolt0 (888)	—	—
5248	5311	64	ac rwatcmdvolt1 (888)	—	—
5312	5375	64	ac rwatcmdvolt2 (888)	—	—
5376	5439	64	ac rwatcmd0 (884)	—	—
5440	5503	64	ac rwatcmd1 (884)	—	—
5504	5567	64	ac rwatcmd2 (885)	—	—
5568	5631	64	ac rwatorfrcscaled0 (895)	—	—
5632	5695	64	ac rwatorfrcscaled1 (896)	—	—
5696	5759	64	ac rwatorfrcscaled2 (897)	—	—
5760	5823	64	ac rwatorctl0 (893)	—	—
5824	5887	64	ac rwatorctl1 (894)	—	—
5888	5951	64	ac rwatorctl2 (895)	—	—
5952	6015	64	ac slwtheta (942)	—	—
6016	6079	64	ac slwalphamax (913)	—	—
6080	6143	64	ac slwramphetamax (933)	—	—
6144	6207	64	ac slwrampheta (933)	—	—
6208	6271	64	ac slwramptm (934)	—	—
6272	6335	64	ac slwrampcycle (932)	—	—
6336	6399	64	ac slwramphalftm (933)	—	—
6400	6463	64	ac slwramphalfcycl (932)	—	—
6464	6527	64	ac slwalpha (912)	—	—
6528	6591	64	ac slwcoasttheta (918)	—	—
6592	6655	64	ac slwcoasttm (918)	—	—
6656	6719	64	ac slwcostcycl (922)	—	—
6720	6783	64	ac slwcostomega (922)	—	—
6784	6815	32	ac inertargettmr (740)	—	—
6816	6847	32	ac slwrateprofile (934)	—	—
6848	6863	16	ac sunaqconvcnt (974)	—	—
6864	6879	16	ac sarnbzcnderget (904)	—	—
6880	6895	16	ac rtnullconvcnt (853)	—	—
6896	6911	16	ac ratenulltmr (852)	—	—
6912	6927	16	ac sunpntecclipsetmr (975)	—	—
6928	6943	16	ac scrossbnglerrct (907)	—	—
6944	6959	16	ac tamonlyerrorct (993)	—	—
6960	6975	16	ac mtbcmdenable0 (813)	—	—
6976	6991	16	ac mtbcmdenable1 (813)	—	—
6992	7007	16	ac mtbcmdenable2 (813)	—	—
7008	7023	16	ac mtbcmddisable0 (809)	—	—
7024	7039	16	ac mtbcmddisable1 (810)	—	—

Packet **ac slwcont** Format, cont'd

start bit	stop bit	size bits	field		
7040	7055	16	ac mtbcmddisable2 (810)	—	—
7056	7071	16	ac mtbcmddirection0 (808)	—	—
7072	7087	16	ac mtbcmddirection1 (809)	—	—
7088	7103	16	ac mtbcmddirection2 (809)	—	—
7104	7119	16	ac mtbcmdmag0 (814)	—	—
7120	7135	16	ac mtbcmdmag1 (814)	—	—
7136	7151	16	ac mtbcmdmag2 (814)	—	—
7152	7167	16	ac mtbtlmctrp0 (824)	—	—
7168	7183	16	ac mtbtlmctrp1 (824)	—	—
7184	7199	16	ac mtbtlmctrp2 (825)	—	—
7200	7215	16	ac mtbtlmctrm0 (823)	—	—
7216	7231	16	ac mtbtlmctrm1 (823)	—	—
7232	7247	16	ac mtbtlmctrm2 (824)	—	—
7248	7263	16	ac mtbcmddctrp0 (805)	—	—
7264	7279	16	ac mtbcmddctrp1 (806)	—	—
7280	7295	16	ac mtbcmddctrp2 (806)	—	—
7296	7311	16	ac mtbcmddctrm0 (804)	—	—
7312	7327	16	ac mtbcmddctrm1 (805)	—	—
7328	7343	16	ac mtbcmddctrm2 (805)	—	—
7344	7359	16	ac rwatorqcmdct0 (897)	—	—
7360	7375	16	ac rwatorqcmdct1 (898)	—	—
7376	7391	16	ac rwatorqcmdct2 (898)	—	—
7392	7407	16	ac rwaseqct (877)	—	—
7408	7423	16	ac wheeloff (1017)	—	—
7424	7439	16	ac slwcosttmbegcycl (923)	—	—
7440	7455	16	ac slwcosttmendcycl (923)	—	—
7456	7471	16	ac nohwratemeact (836)	—	—
7472	7479	8	ac offsetslw (836)	—	—
7480	7487	8	ac slwinprogcnflict (928)	—	—

Packet size = 7488 bits (936 bytes) .

F.12 ac slwgeneral

Packet Source Application Identifier

0x006 (6)

OASIS Stream Name

ac6

Description

AC Slow General Packet

Format

Packet **ac slwgeneral** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac slwgeneralpid (926)	—	—
16	17	2	ac slwgeneralsflg (927)	—	—
18	31	14	ac slwgeneralsct (927)	—	—
32	47	16	ac slwgeneralpl (927)	—	—
48	63	16	ac slwgeneralhws (925)	—	—
64	79	16	ac slwgenerallws (926)	—	—
80	95	16	ac slwgeneralhwss (925)	—	—
96	111	16	ac slwgenerallwss (926)	—	—
112	119	8	ac slwgenpad1 (928)	—	—
120	127	8	ac slwgenpad2 (928)	—	—
128	191	64	ac scposinr0 (905)	—	—
192	255	64	ac scposinr1 (905)	—	—
256	319	64	ac scposinr2 (906)	—	—
320	383	64	ac scvelinr0 (909)	—	—
384	447	64	ac scvelinr1 (910)	—	—
448	511	64	ac scvelinr2 (910)	—	—
512	575	64	ac sunposinr0 (976)	—	—
576	639	64	ac sunposinr1 (976)	—	—
640	703	64	ac sunposinr2 (976)	—	—
704	767	64	ac sunvelinr0 (978)	—	—
768	831	64	ac sunvelinr1 (978)	—	—
832	895	64	ac sunvelinr2 (979)	—	—
896	959	64	ac apparsununtinr0 (654)	—	—
960	1023	64	ac apparsununtinr1 (654)	—	—
1024	1087	64	ac apparsununtinr2 (655)	—	—
1088	1151	64	ac moonposin0 (802)	—	—
1152	1215	64	ac moonposin1 (802)	—	—
1216	1279	64	ac moonposin2 (803)	—	—
1280	1343	64	ac acceinr0 (597)	—	—
1344	1407	64	ac acceinr1 (597)	—	—
1408	1471	64	ac acceinr2 (597)	—	—
1472	1535	64	ac gdsscposiinr0 (735)	—	—
1536	1599	64	ac gdsscposiinr1 (735)	—	—
1600	1663	64	ac gdsscposiinr2 (736)	—	—

Packet **ac slwgeneral** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac gdsscvelinr0 (736)	—	—
1728	1791	64	ac gdsscvelinr1 (736)	—	—
1792	1855	64	ac gdsscvelinr2 (737)	—	—
1856	1919	64	ac gdssunposiinr0 (737)	—	—
1920	1983	64	ac gdssunposiinr1 (737)	—	—
1984	2047	64	ac gdssunposiinr2 (738)	—	—
2048	2111	64	ac gdssunposvelinr0 (738)	—	—
2112	2175	64	ac gdssunposvelinr1 (738)	—	—
2176	2239	64	ac gdssunposvelinr2 (739)	—	—
2240	2303	64	ac gdsmoonposinr0 (734)	—	—
2304	2367	64	ac gdsmoonposinr1 (734)	—	—
2368	2431	64	ac gdsmoonposinr2 (735)	—	—
2432	2495	64	ac gdsmagfldinr0 (733)	—	—
2496	2559	64	ac gdsmagfldinr1 (733)	—	—
2560	2623	64	ac gdsmagfldinr2 (734)	—	—
2624	2687	64	ac gdsupdatetm (739)	—	—
2688	2751	64	ac spdcm0 (946)	—	—
2752	2815	64	ac spdcm1 (946)	—	—
2816	2879	64	ac spdcm2 (947)	—	—
2880	2943	64	ac rwaspderr0 (878)	—	—
2944	3007	64	ac rwaspderr1 (879)	—	—
3008	3071	64	ac rwaspderr2 (879)	—	—
3072	3135	64	ac rwaintgspderr0 (865)	—	—
3136	3199	64	ac rwaintgspderr1 (866)	—	—
3200	3263	64	ac rwaintgspderr2 (867)	—	—
3264	3295	32	ac stacmd00 (965)	—	—
3296	3327	32	ac stacmd01 (965)	—	—
3328	3359	32	ac stacmd02 (966)	—	—
3360	3375	16	ac acscyclcncr (610)	—	—
3376	3391	16	ac acsfrmcncr (610)	—	—
3392	3407	16	ac gndcmdreceivecnt (739)	—	—
3408	3408	1	ac acenaslwgen (602)	—	—
3409	3409	1	ac acenaattver (598)	—	—
3410	3410	1	ac acenapropsceph (600)	—	—
3411	3411	1	ac acenaoccultlogic (599)	—	—
3412	3412	1	ac acenaprocmagfld (600)	—	—
3413	3413	1	ac acenarwafricff (600)	—	—
3414	3414	1	ac acenamagff (599)	—	—
3415	3415	1	ac acenaslewff (601)	—	—
3416	3416	1	ac acenatrqcmdfiltr (603)	—	—
3417	3417	1	ac acenagndmtb (598)	—	—
3418	3418	1	ac acenaspeclipctrl (602)	—	—
3419	3419	1	ac acenasaslewctrl (601)	—	—
3420	3423	4	ac acenablespare (598)	—	—
3424	3439	16	ac epheclipsed (720)	—	—
3440	3440	1	ac gdsdtavld (733)	—	—
3441	3441	1	ac scdtavld (904)	—	—

Packet **ac slwgeneral** Format, cont'd

start bit	stop bit	size bits	field		
3442	3442	1	ac sundtavld (975)	—	—
3443	3443	1	ac moondtavld (802)	—	—
3444	3444	1	ac magdtavld (789)	—	—
3445	3445	1	ac ephfnewephdta (721)	—	—
3446	3446	1	ac newmagdta (835)	—	—
3447	3455	9	ac ephsp (721)	—	—
3456	3471	16	ac epheneclipselog (721)	—	—
3472	3487	16	ac rwagndcontid (865)	—	—

Packet size = 3488 bits (436 bytes) .

F.13 ac slwsensor

Packet Source Application Identifier

0x005 (5)

OASIS Stream Name

ac5

Description

AC Slow Sensor Packet

Format

Packet **ac slwsensor** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac slwsensorp id (936)	—	—
16	17	2	ac slwsensors flg (937)	—	—
18	31	14	ac slwsensors sct (937)	—	—
32	47	16	ac slwsensor pl (937)	—	—
48	63	16	ac slwsensor hws (935)	—	—
64	79	16	ac slwsensor lws (936)	—	—
80	95	16	ac slwsensor hwss (935)	—	—
96	111	16	ac slwsensor lwss (936)	—	—
112	119	8	ac slwsen pad1 (934)	—	—
120	127	8	ac slwsen pad2 (935)	—	—
128	191	64	ac cssqsc2 sun0 (715)	—	—
192	255	64	ac cssqsc2 sun1 (715)	—	—
256	319	64	ac cssqsc2 sun2 (716)	—	—
320	383	64	ac cssqsc2 sun3 (716)	—	—
384	447	64	ac rwamoment bdy0 (868)	—	—
448	511	64	ac rwamoment bdy1 (869)	—	—
512	575	64	ac rwamoment bdy2 (870)	—	—
576	639	64	ac rwator bdy0 (891)	—	—
640	703	64	ac rwator bdy1 (892)	—	—
704	767	64	ac rwator bdy2 (893)	—	—
768	831	64	ac staomegames bd00 (968)	—	—
832	895	64	ac staomegames bd01 (969)	—	—
896	959	64	ac staomegames bd02 (970)	—	—
960	1023	64	ac mdlfield bdy0 (789)	—	—
1024	1087	64	ac mdlfield bdy1 (789)	—	—
1088	1151	64	ac mdlfield bdy2 (790)	—	—
1152	1215	64	ac mtbbfield 0 (803)	—	—
1216	1279	64	ac mtbbfield 1 (804)	—	—
1280	1343	64	ac mtbbfield 2 (804)	—	—
1344	1407	64	ac tambfield mes0 (987)	—	—
1408	1471	64	ac tambfield mes1 (988)	—	—
1472	1535	64	ac tambfield mes2 (988)	—	—
1536	1599	64	ac tambfdmes bd0 (986)	—	—
1600	1663	64	ac tambfdmes bd1 (986)	—	—

Packet **ac slwsensor** Format, cont'd

start bit	stop bit	size bits	field		
1664	1727	64	ac tambfdmesbd2 (987)	—	—
1728	1791	64	ac tambfdest0 (984)	—	—
1792	1855	64	ac tambfdest1 (984)	—	—
1856	1919	64	ac tambfdest2 (984)	—	—
1920	1983	64	ac rwatmp0 (889)	—	—
1984	2047	64	ac rwatmp1 (890)	—	—
2048	2111	64	ac rwatmp2 (890)	—	—
2112	2175	64	ac rwaspdw0 (882)	—	—
2176	2239	64	ac rwaspdw1 (882)	—	—
2240	2303	64	ac rwaspdw2 (883)	—	—
2304	2367	64	ac momentrwa0 (797)	—	—
2368	2431	64	ac momentrwa1 (798)	—	—
2432	2495	64	ac momentrwa2 (799)	—	—
2496	2559	64	ac torquerwa0 (1015)	—	—
2560	2623	64	ac torquerwa1 (1016)	—	—
2624	2687	64	ac torquerwa2 (1017)	—	—
2688	2751	64	ac rwaintrqct0 (867)	—	—
2752	2815	64	ac rwaintrqct1 (868)	—	—
2816	2879	64	ac rwaintrqct2 (868)	—	—
2880	2943	64	ac rwaaccuspdct0 (860)	—	—
2944	3007	64	ac rwaaccuspdct1 (860)	—	—
3008	3071	64	ac rwaaccuspdct2 (861)	—	—
3072	3135	64	ac rwamotorcurr0 (870)	—	—
3136	3199	64	ac rwamotorcurr1 (871)	—	—
3200	3263	64	ac rwamotorcurr2 (872)	—	—
3264	3327	64	ac rwamotortorque0 (872)	—	—
3328	3391	64	ac rwamotortorque1 (873)	—	—
3392	3455	64	ac rwamotortorque2 (874)	—	—
3456	3519	64	ac stadoteearth0 (966)	—	—
3520	3583	64	ac stadotsun0 (967)	—	—
3584	3647	64	ac stadotmoon0 (967)	—	—
3648	3711	64	ac irutmp0 (784)	—	—
3712	3775	64	ac irutmp1 (784)	—	—
3776	3839	64	ac irutmp2 (784)	—	—
3840	3903	64	ac irumotorcurr0 (772)	—	—
3904	3967	64	ac irumotorcurr1 (772)	—	—
3968	4031	64	ac irumotorcurr2 (773)	—	—
4032	4095	64	ac tamtmp0 (996)	—	—
4096	4159	64	ac tamsfx (994)	—	—
4160	4223	64	ac tamsfy (994)	—	—
4224	4287	64	ac tamsfz (995)	—	—
4288	4351	64	ac tamtempraw (996)	—	—
4352	4415	64	ac tambfieldraw0 (989)	—	—
4416	4479	64	ac tambfieldraw1 (989)	—	—
4480	4543	64	ac tambfieldraw2 (989)	—	—
4544	4607	64	ac csscurraw0 (707)	—	—
4608	4671	64	ac csscurraw1 (708)	—	—

Packet **ac slwsensor** Format, cont'd

start bit	stop bit	size bits	field		
4672	4735	64	ac csscurraw2 (709)	—	—
4736	4799	64	ac csscurraw3 (709)	—	—
4800	4863	64	ac csscurraw4 (710)	—	—
4864	4927	64	ac csscurraw5 (711)	—	—
4928	4991	64	ac csscurraw6 (711)	—	—
4992	5055	64	ac csscurraw7 (712)	—	—
5056	5087	32	ac iruch1rawdtact0 (754)	—	—
5088	5119	32	ac iruch1rawdtact1 (755)	—	—
5120	5151	32	ac iruch1rawdtact2 (755)	—	—
5152	5183	32	ac iruch2rawdtact0 (756)	—	—
5184	5215	32	ac iruch2rawdtact1 (757)	—	—
5216	5247	32	ac iruch2rawdtact2 (757)	—	—
5248	5263	16	ac slowtlmpktvalid (911)	—	—
5264	5279	16	ac rwamtcurfdclct0 (874)	—	—
5280	5295	16	ac rwamtcurfdclct1 (875)	—	—
5296	5311	16	ac rwamtcurfdclct2 (875)	—	—
5312	5327	16	ac iruch1rawct0 (753)	—	—
5328	5343	16	ac iruch1rawct1 (754)	—	—
5344	5359	16	ac iruch1rawct2 (754)	—	—
5360	5375	16	ac iruch2rawct0 (755)	—	—
5376	5391	16	ac iruch2rawct1 (756)	—	—
5392	5407	16	ac iruch2rawct2 (756)	—	—
5408	5423	16	ac iruturnontmr0 (787)	—	—
5424	5439	16	ac iruturnontmr1 (787)	—	—
5440	5455	16	ac iruturnontmr2 (787)	—	—
5456	5471	16	ac iruuse0 (788)	—	—
5472	5487	16	ac iruuse1 (788)	—	—
5488	5503	16	ac iruuse2 (788)	—	—
5504	5519	16	ac tamerrors (991)	—	—
5520	5535	16	ac tamdatavalidct (991)	—	—
5536	5551	16	ac tambfieldrawct0 (990)	—	—
5552	5567	16	ac tambfieldrawct1 (990)	—	—
5568	5583	16	ac tambfieldrawct2 (990)	—	—
5584	5599	16	ac rwatrqfdclcnt0 (898)	—	—
5600	5615	16	ac rwatrqfdclcnt1 (899)	—	—
5616	5631	16	ac rwatrqfdclcnt2 (899)	—	—
5632	5647	16	ac rwazpulfclcnt0 (900)	—	—
5648	5663	16	ac rwazpulfclcnt1 (900)	—	—
5664	5679	16	ac rwazpulfclcnt2 (901)	—	—
5680	5680	1	ac pwrstatusrwa0 (846)	—	—
5681	5681	1	ac pwrstatusrwa1 (847)	—	—
5682	5682	1	ac pwrstatusrwa2 (847)	—	—
5683	5683	1	ac pwrstatusrwasp (848)	—	—
5684	5684	1	ac pwrstatusiru0 (845)	—	—
5685	5685	1	ac pwrstatusiru1 (846)	—	—
5686	5686	1	ac pwrstatusiru2 (846)	—	—
5687	5695	9	ac pwrstatusspare (848)	—	—

Packet **ac slwsensor** Format, cont'd

start bit	stop bit	size bits	field		
5696	5696	1	ac iruffdcen (767)	—	—
5697	5697	1	ac irufstuptdv (769)	—	—
5698	5698	1	ac irufpntfault (768)	—	—
5699	5699	1	ac irufpktinv (768)	—	—
5700	5701	2	ac irufnumpwred (767)	—	—
5702	5703	2	ac irufxdtfound (769)	—	—
5704	5705	2	ac irufydtfound (770)	—	—
5706	5707	2	ac irufzdtfound (770)	—	—
5708	5711	4	ac irufspare (769)	—	—
5712	5712	1	ac rwaftcen (861)	—	—
5713	5713	1	ac wheelon1 (1018)	—	—
5714	5714	1	ac wheelon2 (1018)	—	—
5715	5715	1	ac wheelon3 (1018)	—	—
5716	5716	1	ac wheelon4sp (1019)	—	—
5717	5717	1	ac rwafted1 (862)	—	—
5718	5718	1	ac rwafted2 (862)	—	—
5719	5719	1	ac rwafted3 (863)	—	—
5720	5720	1	ac rwafted4sp (863)	—	—
5721	5721	1	ac rwasol (878)	—	—
5722	5722	1	ac rwareundanton (877)	—	—
5723	5723	1	ac rwafourwhlctrl (864)	—	—
5724	5724	1	ac rwagndcont (865)	—	—
5725	5725	1	ac rwaspdcont (878)	—	—
5726	5727	2	ac rwaflgssp (864)	—	—
5728	5728	1	ac st1fdcen (955)	—	—
5729	5729	1	ac stafted (968)	—	—
5730	5730	1	ac stapwrstatus (971)	—	—
5731	5731	1	ac sta1stdatarcved (965)	—	—
5732	5743	12	ac staflagssp (968)	—	—
5744	5744	1	ac cssinit (714)	—	—
5745	5745	1	ac cssfdcen (713)	—	—
5746	5746	1	ac frontlit (722)	—	—
5747	5747	1	ac baklit (672)	—	—
5748	5748	1	ac sunpresent (978)	—	—
5749	5749	1	ac cssflure (714)	—	—
5750	5759	10	ac cssflgssp (713)	—	—
5760	5760	1	ac mtbtotallflure (825)	—	—
5761	5761	1	ac mtbapetlmerr (803)	—	—
5762	5762	1	ac mtbfdcen (817)	—	—
5763	5763	1	ac mtbgndcont (819)	—	—
5764	5764	1	ac mtbcurcont (815)	—	—
5765	5775	11	ac mtbflgssp (818)	—	—
5776	5776	1	ac tamtmpvld (997)	—	—
5777	5777	1	ac tamfdcen (991)	—	—
5778	5778	1	ac tamsol (995)	—	—
5779	5779	1	ac tamfirsttm (992)	—	—
5780	5780	1	ac tamstrtuptav (995)	—	—

Packet **ac slwsensor** Format, cont'd

start bit	stop bit	size bits	field		
5781	5781	1	ac tamsel (993)	—	—
5782	5791	10	ac tamflgssp (993)	—	—
5792	5799	8	ac rwaospdfdcflcnt0 (876)	—	—
5800	5807	8	ac rwaospdfdcflcnt1 (876)	—	—
5808	5815	8	ac rwaospdfdcflcnt2 (877)	—	—
5816	5823	8	ac tamarwfdcfclcnt (982)	—	—
5824	5831	8	ac tamaesfdcfclcnt (982)	—	—
5832	5839	8	ac tamabkwrfdcfclcnt (980)	—	—
5840	5847	8	ac tamatmpfdcfclcnt (983)	—	—
5848	5855	8	ac st1dtstfdcfclcnt (954)	—	—
5856	5863	8	ac st1nodtfdcfclcnt (956)	—	—
5864	5871	8	ac cssrtsfdcfclcnt0 (701)	—	—
5872	5879	8	ac cssrtsfdcfclcnt1 (701)	—	—
5880	5887	8	ac cssrtsfdcfclcnt2 (702)	—	—
5888	5895	8	ac cssrtsfdcfclcnt3 (702)	—	—
5896	5903	8	ac cssrtsfdcfclcnt4 (703)	—	—
5904	5911	8	ac cssrtsfdcfclcnt5 (703)	—	—
5912	5919	8	ac cssrtsfdcfclcnt6 (704)	—	—
5920	5927	8	ac cssrtsfdcfclcnt7 (704)	—	—
5928	5935	8	ac csscetsfdcfclcnt0 (698)	—	—
5936	5943	8	ac csscetsfdcfclcnt1 (699)	—	—
5944	5951	8	ac csscetsfdcfclcnt2 (699)	—	—
5952	5959	8	ac csscetsfdcfclcnt3 (699)	—	—
5960	5967	8	ac csscetsfdcfclcnt4 (700)	—	—
5968	5975	8	ac csscetsfdcfclcnt5 (700)	—	—
5976	5983	8	ac csscetsfdcfclcnt6 (700)	—	—
5984	5991	8	ac csscetsfdcfclcnt7 (701)	—	—
5992	5999	8	ac slwsenspare0 (938)	—	—
6000	6007	8	ac slwsenspare1 (938)	—	—
6008	6015	8	ac slwsenspare2 (938)	—	—
6016	6017	2	ac mtbxcompvalid (826)	—	—
6018	6019	2	ac mtbycompvalid (828)	—	—
6020	6021	2	ac mtbzcompvalid (830)	—	—
6022	6031	10	ac mtbfdcspare (818)	—	—
6032	6033	2	ac iru1compvalid (745)	—	—
6034	6035	2	ac iru2compvalid (749)	—	—
6036	6037	2	ac iru3compvalid (752)	—	—
6038	6047	10	ac irufdcspare (767)	—	—
6048	6049	2	ac rwa1componentv (853)	—	—
6050	6051	2	ac rwa2componentv (856)	—	—
6052	6053	2	ac rwa3componentv (858)	—	—
6054	6063	10	ac rwafdcspare (862)	—	—
6064	6065	2	ac st1componentv (948)	—	—
6066	6079	14	ac stafdcspare (967)	—	—
6080	6081	2	ac css1componentv (685)	—	—
6082	6083	2	ac css2componentv (687)	—	—
6084	6085	2	ac css3componentv (689)	—	—

Packet **ac slwsensor** Format, cont'd

start bit	stop bit	size bits	field		
6086	6087	2	ac css4componentv (690)	—	—
6088	6089	2	ac css5componentv (692)	—	—
6090	6091	2	ac css6componentv (694)	—	—
6092	6093	2	ac css7componentv (695)	—	—
6094	6095	2	ac css8componentv (697)	—	—
6096	6097	2	ac tamacomponentv (981)	—	—
6098	6111	14	ac tamfdcspare (992)	—	—

Packet size = 6112 bits (764 bytes) .

F.14 ac status

Packet Source Application Identifier

0x013 (19)

OASIS Stream Name

ac19

Description

Instrument ACS status message

Format

Packet **ac status** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ac acstlmpid (614)	—	—
16	17	2	ac acstlmflg (612)	—	—
18	31	14	ac acstlmsct (614)	—	—
32	47	16	ac acstlmpl (614)	—	—
48	63	16	ac acstlmhws (612)	—	—
64	79	16	ac acstlmllws (613)	—	—
80	95	16	ac acstlmhwss (613)	—	—
96	111	16	ac acstlmllwss (613)	—	—
112	175	64	ac sctosunvecx (908)	—	—
176	239	64	ac sctosunvecy (908)	—	—
240	303	64	ac sctosunvecz (909)	—	—

Packet size = 304 bits (38 bytes) .

F.15 aep_soft_tlm

Packet Source Application Identifier

0x06f (111)

OASIS Stream Name

aep111

Description

AEP Software Generated Telemetry

Format

Packet **aep_soft_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	aep_pid (1034)	—	—
16	17	2	aep_sflg (1037)	—	—
18	31	14	aep_sct (1036)	—	—
32	47	16	aep_pl (1035)	—	—
48	63	16	aep_hws (1031)	—	—
64	79	16	aep_lws (1033)	—	—
80	95	16	aep_hwss (1031)	—	—
96	111	16	aep_lwss (1033)	—	—
112	127	16	aep_chgst (1028)	—	—
128	143	16	aep_chgmd (1027)	—	—
144	159	16	aep_batot (1024)	—	—
160	175	16	aep_batov (1024)	—	—
176	191	16	aep_ldshedlevel (1032)	—	—
192	223	32	aep_ptsoc (1035)	—	—
224	255	32	aep_computedsoc (1029)	—	—
256	287	32	aep_prevdod (1035)	—	—
288	300	13	aep_algsp1sce (1023)	—	—
301	301	1	aep_ovprotectsce (1034)	—	—
302	302	1	aep_otprotectsce (1033)	—	—
303	303	1	aep_sadeploymonsce (1036)	—	—
304	317	14	aep_spssce (1041)	—	—
318	319	2	aep_cell2tmpsce (1027)	—	—
320	321	2	aep_cell1tmpsce (1026)	—	—
322	323	2	aep_ldcursce (1032)	—	—
324	325	2	aep_batcursce (1024)	—	—
326	327	2	aep_busvoltsce (1025)	—	—
328	329	2	aep_totalbatvsce (1041)	—	—
330	331	2	aep_cell2pressce (1026)	—	—
332	333	2	aep_cell1pressce (1025)	—	—
334	335	2	aep_arraycursce (1023)	—	—
336	351	16	aep_dcshtindex (1030)	—	—
352	367	16	aep_cmdacpt (1028)	—	—
368	383	16	aep_cmdrejct (1028)	—	—
384	399	16	aep_entry (1030)	—	—

Packet **aep soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
400	415	16	aep exit (1031)	—	—
416	431	16	aep excnt (1030)	—	—
432	447	16	aep imuwarningtmr (1032)	—	—
448	463	16	aep shcardcnt (1037)	—	—
464	479	16	aep sp1 (1037)	—	—
480	495	16	aep sp2 (1038)	—	—
496	511	16	aep sp3 (1038)	—	—
512	527	16	aep sp4 (1039)	—	—
528	543	16	aep sp5 (1039)	—	—
544	559	16	aep sp6 (1039)	—	—
560	575	16	aep sp7 (1040)	—	—
576	591	16	aep sp8 (1040)	—	—
592	607	16	aep sp9 (1040)	—	—
608	623	16	aep sp10 (1038)	—	—

Packet size = 624 bits (78 bytes) .

F.16 an acmftlm

Packet Source Application Identifier

0x035 (53)

OASIS Stream Name

an53

Description

AN - AC MagField Vector (ECI) Tlm

Format

Packet **an acmftlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an acmfpid (1043)	—	—
16	17	2	an acmfsflg (1044)	—	—
18	31	14	an acmfsct (1044)	—	—
32	47	16	an acmfpl (1043)	—	—
48	63	16	an acmfhws (1042)	—	—
64	79	16	an acmfllws (1042)	—	—
80	95	16	an acmfhwss (1042)	—	—
96	111	16	an acmflwss (1043)	—	—
112	119	8	an acmftlmmfpkts0 (1045)	—	—
120	127	8	an acmftlmmfpkts1 (1045)	—	—
128	143	16	an acmfweek (1047)	—	—
144	207	64	an acmftow (1046)	—	—
208	271	64	an acmfvecj2k0 (1046)	—	—
272	335	64	an acmfvecj2k1 (1046)	—	—
336	399	64	an acmfvecj2k2 (1047)	—	—
400	415	16	an acmfdtavl (1041)	—	—

Packet size = 416 bits (52 bytes) .

F.17 an acsmecf

Packet Source Application Identifier

0x033 (51)

OASIS Stream Name

an51

Description

AN - AC Sun Moon ECEF parm's Tlm

Format

Packet **an acsmecf** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an acsmecfpid (1054)	—	—
16	17	2	an acsmecfsflg (1056)	—	—
18	31	14	an acsmecfsct (1056)	—	—
32	47	16	an acsmecfpl (1054)	—	—
48	63	16	an acsmecfhws (1051)	—	—
64	79	16	an acsmecflws (1052)	—	—
80	95	16	an acsmecfhwss (1052)	—	—
96	111	16	an acsmecflwss (1052)	—	—
112	119	8	an acsmppadb0 (1061)	—	—
120	127	8	an acsmppadb1 (1061)	—	—
128	191	64	an acsmecfecf2j2ktm (1051)	—	—
192	255	64	an acsmecf2d2j2k00 (1047)	—	—
256	319	64	an acsmecf2d2j2k01 (1048)	—	—
320	383	64	an acsmecf2d2j2k02 (1048)	—	—
384	447	64	an acsmecf2d2j2k10 (1048)	—	—
448	511	64	an acsmecf2d2j2k11 (1049)	—	—
512	575	64	an acsmecf2d2j2k12 (1049)	—	—
576	639	64	an acsmecf2d2j2k20 (1049)	—	—
640	703	64	an acsmecf2d2j2k21 (1050)	—	—
704	767	64	an acsmecf2d2j2k22 (1050)	—	—
768	831	64	an acsmecfpmcx (1055)	—	—
832	895	64	an acsmecfpmcy (1055)	—	—
896	959	64	an acsmecfgha (1051)	—	—
960	1023	64	an acsmecfreftmtow (1055)	—	—
1024	1087	64	an acsmecfsunpos0 (1057)	—	—
1088	1151	64	an acsmecfsunpos1 (1057)	—	—
1152	1215	64	an acsmecfsunpos2 (1057)	—	—
1216	1279	64	an acsmecfsunvel0 (1058)	—	—
1280	1343	64	an acsmecfsunvel1 (1058)	—	—
1344	1407	64	an acsmecfsunvel2 (1058)	—	—
1408	1471	64	an acsmecfmoonpos0 (1053)	—	—
1472	1535	64	an acsmecfmoonpos1 (1053)	—	—
1536	1599	64	an acsmecfmoonpos2 (1053)	—	—
1600	1615	16	an acsmecfreftmweek (1056)	—	—

Packet **an acsmecf** Format, cont'd

start bit	stop bit	size bits	field		
1616	1623	8	an acsmpadb0 (1059)	—	—
1624	1631	8	an acsmpadb1 (1059)	—	—
1632	1639	8	an acsmpadb2 (1059)	—	—
1640	1647	8	an acsmpadb3 (1060)	—	—
1648	1655	8	an acsmpadb4 (1060)	—	—
1656	1663	8	an acsmpadb5 (1060)	—	—

Packet size = 1664 bits (208 bytes) .

F.18 an acstvectlm

Packet Source Application Identifier

0x034 (52)

OASIS Stream Name

an52

Description

AN - AC State Vector Tlm

Format

Packet **an acstvectlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an acstvecpid (1063)	—	—
16	17	2	an acstvecsflg (1065)	—	—
18	31	14	an acstvecsct (1064)	—	—
32	47	16	an acstvecpl (1064)	—	—
48	63	16	an acstvechws (1061)	—	—
64	79	16	an acstveclws (1062)	—	—
80	95	16	an acstvechwss (1062)	—	—
96	111	16	an acstveclwss (1062)	—	—
112	119	8	an acstvecpadb0 (1063)	—	—
120	127	8	an acstvecpadb1 (1063)	—	—
128	143	16	an acstvecweek (1066)	—	—
144	207	64	an acstvectow (1066)	—	—
208	271	64	an acstvecxposj2k (1066)	—	—
272	335	64	an acstvecyposj2k (1067)	—	—
336	399	64	an acstveczposj2k (1068)	—	—
400	463	64	an acstvecxvelj2k (1067)	—	—
464	527	64	an acstvecyvelj2k (1067)	—	—
528	591	64	an acstveczvelj2k (1068)	—	—
592	607	16	an acstvecqual (1064)	—	—

Packet size = 608 bits (76 bytes) .

F.19 an ecf2j2ktlm

Packet Source Application Identifier

0x031 (49)

OASIS Stream Name

an49

Description

AN Goods ECEF to J2K Tlm

Format

Packet **an ecf2j2ktlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an ecf2j2kpid (1073)	—	—
16	17	2	an ecf2j2ksflg (1075)	—	—
18	31	14	an ecf2j2ksct (1074)	—	—
32	47	16	an ecf2j2kpl (1073)	—	—
48	63	16	an ecf2j2khws (1071)	—	—
64	79	16	an ecf2j2klws (1072)	—	—
80	95	16	an ecf2j2khwss (1071)	—	—
96	111	16	an ecf2j2klwss (1072)	—	—
112	119	8	an ecf2j2kpadb0 (1072)	—	—
120	127	8	an ecf2j2kpadb1 (1073)	—	—
128	191	64	an ecf2j2ktm (1075)	—	—
192	255	64	an ecf2j2ktod2j2k00 (1075)	—	—
256	319	64	an ecf2j2ktod2j2k01 (1076)	—	—
320	383	64	an ecf2j2ktod2j2k02 (1076)	—	—
384	447	64	an ecf2j2ktod2j2k10 (1076)	—	—
448	511	64	an ecf2j2ktod2j2k11 (1077)	—	—
512	575	64	an ecf2j2ktod2j2k12 (1077)	—	—
576	639	64	an ecf2j2ktod2j2k20 (1077)	—	—
640	703	64	an ecf2j2ktod2j2k21 (1078)	—	—
704	767	64	an ecf2j2ktod2j2k22 (1078)	—	—
768	831	64	an ecf2j2kpmcx (1074)	—	—
832	895	64	an ecf2j2kpmcy (1074)	—	—
896	959	64	an ecf2j2kggha (1071)	—	—

Packet size = 960 bits (120 bytes) .

F.20 an gdshktlm

Packet Source Application Identifier

0x02d (45)

OASIS Stream Name

an45

Description

AN Goods Housekeeping Tlm

Format

Packet **an gdshktlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an gdshkpid (1084)	—	—
16	17	2	an gdshksflg (1086)	—	—
18	31	14	an gdshksct (1085)	—	—
32	47	16	an gdshkpl (1084)	—	—
48	63	16	an gdshkhws (1082)	—	—
64	79	16	an gdshklws (1083)	—	—
80	95	16	an gdshkhwss (1083)	—	—
96	111	16	an gdshklwss (1083)	—	—
112	119	8	an gdshkppadb0 (1085)	—	—
120	127	8	an gdshkppadb1 (1085)	—	—
128	191	64	an gdshkgpstmtow (1082)	—	—
192	255	64	an gdshkxposj2k (1087)	—	—
256	319	64	an gdshkyposj2k (1087)	—	—
320	383	64	an gdshkzposj2k (1088)	—	—
384	447	64	an gdshkxvelj2k (1087)	—	—
448	511	64	an gdshkyvelj2k (1088)	—	—
512	575	64	an gdshkzvelj2k (1088)	—	—
576	607	32	an gdshkcoefficient (1081)	—	—
608	623	16	an gdshkgpstweek (1082)	—	—
624	631	8	an gdshkmdstat (1084)	—	—
632	639	8	an gdshkfdirend (1081)	—	—

Packet size = 640 bits (80 bytes) .

F.21 an gdssmpostlm

Packet Source Application Identifier

0x032 (50)

OASIS Stream Name

an50

Description

AN Goods Sun Moon ECEF parm's Tlm

Format

Packet **an gdssmpostlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an gdssmpospid (1092)	—	—
16	17	2	an gdssmpossflg (1093)	—	—
18	31	14	an gdssmpossct (1092)	—	—
32	47	16	an gdssmpospl (1092)	—	—
48	63	16	an gdssmposhws (1089)	—	—
64	79	16	an gdssmposlws (1090)	—	—
80	95	16	an gdssmposhwss (1090)	—	—
96	111	16	an gdssmposlwss (1090)	—	—
112	119	8	an gdssmpadb0 (1089)	—	—
120	127	8	an gdssmpadb1 (1089)	—	—
128	191	64	an gdssmpostlmtow (1095)	—	—
192	255	64	an gdssmpossunpos0 (1093)	—	—
256	319	64	an gdssmpossunpos1 (1093)	—	—
320	383	64	an gdssmpossunpos2 (1094)	—	—
384	447	64	an gdssmpossunvel0 (1094)	—	—
448	511	64	an gdssmpossunvel1 (1094)	—	—
512	575	64	an gdssmpossunvel2 (1095)	—	—
576	639	64	an gdssmposmoonpos0 (1091)	—	—
640	703	64	an gdssmposmoonpos1 (1091)	—	—
704	767	64	an gdssmposmoonpos2 (1091)	—	—
768	783	16	an gdssmpostmweek (1096)	—	—
784	799	16	an gdssmspare0 (1096)	—	—
800	815	16	an gdssmspare1 (1097)	—	—
816	831	16	an gdssmspare2 (1097)	—	—

Packet size = 832 bits (104 bytes) .

F.22 an tskdgtlm

Packet Source Application Identifier

0x039 (57)

OASIS Stream Name

an57

Description

AN Task Diagnostic Tlm

Format

Packet **an tskdgtlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	an tdpid (1112)	—	—
16	17	2	an tdsflg (1113)	—	—
18	31	14	an tdsct (1113)	—	—
32	47	16	an tdpl (1113)	—	—
48	63	16	an tdhws (1111)	—	—
64	79	16	an tdlws (1112)	—	—
80	95	16	an tdhwss (1111)	—	—
96	111	16	an tdlwss (1112)	—	—
112	119	8	an tskdgpadb0 (1117)	—	—
120	127	8	an tskdgpadb1 (1117)	—	—
128	191	64	an passtm (1110)	—	—
192	207	16	an tmct (1116)	—	—
208	223	16	an sbreadpipecnt (1111)	—	—
224	239	16	an tskct (1117)	—	—
240	255	16	an tskcmdrjct (1116)	—	—
256	271	16	an initct (1101)	—	—
272	287	16	an initcmdrjct (1100)	—	—
288	303	16	an haltrstct (1098)	—	—
304	319	16	an haltrstcmdrjct (1097)	—	—
320	335	16	an fdironoffct (1079)	—	—
336	351	16	an fdironoffcmdrjct (1079)	—	—
352	367	16	an hpcfgct (1099)	—	—
368	383	16	an hpcfgcmdrjct (1098)	—	—
384	399	16	an istvecct (1102)	—	—
400	415	16	an istveccmdrjct (1102)	—	—
416	431	16	an minmaxvalct (1106)	—	—
432	447	16	an minmaxvalcmdrjct (1106)	—	—
448	463	16	an initgdstodefct (1101)	—	—
464	479	16	an refalldtblsct (1110)	—	—
480	495	16	an refseldtblct (1110)	—	—
496	511	16	an dtblseled (1069)	—	—
512	527	16	an alarmsrstcnt (1068)	—	—
528	543	16	an gdshktlmcnt (1086)	—	—
544	559	16	an ecfj2ktlmcnt (1078)	—	—

Packet **an tskdgtlm** Format, cont'd

start bit	stop bit	size bits	field		
560	575	16	an gdssmpostlmcnt (1095)	—	—
576	591	16	an acstvectlmcnt (1065)	—	—
592	607	16	an acmftlmcnt (1044)	—	—
608	623	16	an acsmecfcnt (1050)	—	—
624	639	16	an tdtlmcnt (1115)	—	—
640	655	16	an cyclssncgndupdct (1069)	—	—
656	663	8	an gdshkctlmonoff (1086)	—	—
664	671	8	an ecj2kctlmonoff (1079)	—	—
672	679	8	an gdssmpostmonoff (1096)	—	—
680	687	8	an acstvectmonoff (1065)	—	—
688	695	8	an acmftlmonoff (1045)	—	—
696	703	8	an acsmecfonoff (1054)	—	—
704	711	8	an tdtlmonoff (1116)	—	—
712	719	8	an opvalsltblct (1107)	—	—
720	727	8	an opvalsltblrjct (1108)	—	—
728	735	8	an fdirtolltblct (1080)	—	—
736	743	8	an fdirtolltblrjct (1081)	—	—
744	751	8	an istvecltblct (1103)	—	—
752	759	8	an istvecltblrjct (1103)	—	—
760	767	8	an dynlttblct (1070)	—	—
768	775	8	an dynlttblrjct (1070)	—	—
776	783	8	an usconstlttblct (1118)	—	—
784	791	8	an usconstlttblrjct (1119)	—	—
792	799	8	an hpcfglttblct (1100)	—	—
800	807	8	an hpcfglttblrjct (1100)	—	—
808	815	8	an orbcfglttblct (1109)	—	—
816	823	8	an orbcfglttblrjct (1109)	—	—
824	831	8	an mfltblct (1105)	—	—
832	839	8	an mfnitcnt (1104)	—	—
840	847	8	an opvalsdtblct (1107)	—	—
848	855	8	an fdirtoldtblct (1080)	—	—
856	863	8	an istvecdtblct (1102)	—	—
864	871	8	an dyndtblct (1069)	—	—
872	879	8	an minmaxdtblct (1105)	—	—
880	887	8	an usconstdtblct (1118)	—	—
888	895	8	an hpcfgdtblct (1099)	—	—
896	903	8	an orbcfgdtblct (1108)	—	—
904	911	8	an mfdtblct (1104)	—	—
912	919	8	an opvalsdtblupdt (1107)	—	—
920	927	8	an fdirtoldtblupdt (1080)	—	—
928	935	8	an istvecdtblupdt (1103)	—	—
936	943	8	an dyndtblupdt (1070)	—	—
944	951	8	an minmaxdtblupdt (1105)	—	—
952	959	8	an usconstdtblupdt (1118)	—	—
960	967	8	an hpcfgdtblupdt (1099)	—	—
968	975	8	an orbcfgdtblupdt (1108)	—	—
976	983	8	an mfdtblupdt (1104)	—	—

Packet **an tskdgtlm** Format, cont'd

start bit	stop bit	size bits	field		
984	991	8	an tdsp20 (1114)	—	—
992	999	8	an tdsp21 (1114)	—	—
1000	1007	8	an tdsp22 (1114)	—	—
1008	1015	8	an tdsp23 (1115)	—	—
1016	1023	8	an tdsp24 (1115)	—	—

Packet size = 1024 bits (128 bytes) .

F.23 ape ex_soft_tlm

Packet Source Application Identifier

0x041 (65)

OASIS Stream Name

ape65

Description

APE Execute Soft Tlm

Format

Packet **ape ex_soft_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ape expid (1149)	—	—
16	17	2	ape exsflg (1151)	—	—
18	31	14	ape excst (1150)	—	—
32	47	16	ape expl (1149)	—	—
48	63	16	ape exhws (1146)	—	—
64	79	16	ape exlws (1147)	—	—
80	95	16	ape exhwss (1147)	—	—
96	111	16	ape exlwss (1147)	—	—
112	127	16	ape exesafhld (1143)	—	—
128	143	16	ape exemajorfrm (1141)	—	—
144	159	16	ape exeminorfrm (1141)	—	—
160	175	16	ape exmdsok (1148)	—	—
176	183	8	ape exetskcmderrs (1145)	—	—
184	191	8	ape exmderrs (1148)	—	—
192	207	16	ape exmdstoseq (1148)	—	—
208	223	16	ape exelstokcmd0 (1139)	—	—
224	239	16	ape exelstokcmd1 (1140)	—	—
240	255	16	ape exelstokcmd2 (1140)	—	—
256	271	16	ape exelstokcmd3 (1140)	—	—
272	287	16	ape exelstokcmd4 (1141)	—	—
288	303	16	ape exelstbadcmd0 (1138)	—	—
304	319	16	ape exelstbadcmd1 (1138)	—	—
320	335	16	ape exelstbadcmd2 (1138)	—	—
336	351	16	ape exelstbadcmd3 (1139)	—	—
352	367	16	ape exelstbadcmd4 (1139)	—	—
368	383	16	ape exeexctr (1136)	—	—
384	399	16	ape exefrovfctr (1136)	—	—
400	415	16	ape exeutilact (1146)	—	—
416	431	16	ape exetblnum (1145)	—	—
432	463	32	ape exedladr (1135)	—	—
464	495	32	ape exedllen (1135)	—	—
496	511	16	ape exsrsave (1151)	—	—
512	513	2	ape exesp (1144)	—	—
514	514	1	ape exeactualbtbank (1133)	—	—

Packet **ape_ex_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
515	515	1	ape_exereqbtbank (1142)	–	–
516	516	1	ape_exedccserr (1134)	–	–
517	517	1	ape_exedclenerr (1134)	–	–
518	518	1	ape_exeopdwact (1142)	–	–
519	519	1	ape_exeinstdwact (1137)	–	–
520	520	1	ape_exeautsus (1134)	–	–
521	521	1	ape_exesususp (1145)	–	–
522	522	1	ape_exeaeapsus (1133)	–	–
523	523	1	ape_exeshmsus (1143)	–	–
524	524	1	ape_exeacssus (1132)	–	–
525	525	1	ape_exeinstchkscn (1136)	–	–
526	526	1	ape_exedtackscn (1135)	–	–
527	527	1	ape_exesubaddlen (1144)	–	–
528	543	16	ape_exhksopt (1146)	–	–
544	559	16	ape_exeinstdwout (1137)	–	–
560	575	16	ape_exeopdwout (1142)	–	–
576	591	16	ape_exrashreason (1150)	–	–
592	607	16	ape_exrashcnt (1149)	–	–
608	623	16	ape_exerestcnt (1143)	–	–

Packet size = 624 bits (78 bytes) .

F.24 ape safe_soft_tlm

Packet Source Application Identifier

0x043 (67)

OASIS Stream Name

ape67

Description

APE Safehold Software Generated Telemetry

Format

Packet **ape safe_soft_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ape safepid (1153)	—	—
16	17	2	ape safesflg (1154)	—	—
18	31	14	ape safesct (1154)	—	—
32	47	16	ape safepl (1154)	—	—
48	63	16	ape safehws (1152)	—	—
64	79	16	ape safelws (1153)	—	—
80	95	16	ape safehws (1152)	—	—
96	111	16	ape safelws (1153)	—	—
112	119	8	ape safhldcausesp (1155)	—	—
120	120	1	ape shcsoc (1157)	—	—
121	121	1	ape shcrwa (1157)	—	—
122	122	1	ape shctclk (1158)	—	—
123	123	1	ape shcmaj (1156)	—	—
124	124	1	ape shcmin (1156)	—	—
125	125	1	ape shchlp (1155)	—	—
126	126	1	ape shc1553 (1155)	—	—
127	127	1	ape shcsp (1157)	—	—
128	143	16	ape asmdeployseq (1126)	—	—
144	159	16	ape asmppptmr (1128)	—	—
160	175	16	ape asmcmdacpt (1125)	—	—
176	191	16	ape asmcmdrejct (1125)	—	—
192	207	16	ape asmentrycnt (1126)	—	—
208	223	16	ape asmexitcnt (1127)	—	—
224	239	16	ape asmexcnt (1126)	—	—
240	255	16	ape asm1553sp0 (1119)	—	—
256	271	16	ape asmldshedlevel (1127)	—	—
272	303	32	ape exdwlinstradr (1132)	—	—
304	335	32	ape exdwlopadr (1132)	—	—
336	343	8	ape exversion (1152)	—	—
344	351	8	ape exrevision (1150)	—	—
352	367	16	ape exsp1 (1151)	—	—
368	383	16	ape asm1553sp1 (1120)	—	—
384	399	16	ape asm1553sp2 (1122)	—	—
400	415	16	ape asm1553sp3 (1122)	—	—

Packet **ape safe_soft_tlm** Format, cont'd

start bit	stop bit	size bits	field		
416	431	16	ape asm1553sp4 (1123)	—	—
432	447	16	ape asm1553sp5 (1123)	—	—
448	463	16	ape asm1553sp6 (1123)	—	—
464	479	16	ape asm1553sp7 (1124)	—	—
480	495	16	ape asm1553sp8 (1124)	—	—
496	511	16	ape asm1553sp9 (1124)	—	—
512	527	16	ape asm1553sp10 (1120)	—	—
528	543	16	ape asm1553sp11 (1120)	—	—
544	559	16	ape asm1553sp12 (1121)	—	—
560	575	16	ape asm1553sp13 (1121)	—	—
576	591	16	ape asm1553sp14 (1121)	—	—
592	607	16	ape asm1553sp15 (1122)	—	—
608	608	1	ape asmsepsp0 (1130)	—	—
609	609	1	ape asmsepsp1 (1130)	—	—
610	610	1	ape asmsepsp2 (1131)	—	—
611	611	1	ape asmsepsp3 (1131)	—	—
612	612	1	ape asmscsep1swstat (1128)	—	—
613	613	1	ape asmscsep2swstat (1128)	—	—
614	614	1	ape asmscsep3swstat (1129)	—	—
615	615	1	ape asmsepflg (1129)	—	—
616	616	1	ape asmsepsp8 (1131)	—	—
617	617	1	ape asmdeployen (1125)	—	—
618	623	6	ape asmsepsp1015 (1130)	—	—

Packet size = 624 bits (78 bytes) .

F.25 di tlm_pkt

Packet Source Application Identifier

0x065 (101)

OASIS Stream Name

di101

Description

Diagnostic (DI) Telemetry

Format

Packet **di tlm_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	di tlmktpid (1169)	—	—
16	17	2	di tlmpktsflg (1170)	—	—
18	31	14	di tlmpktsct (1169)	—	—
32	47	16	di tlmktppl (1169)	—	—
48	63	16	di tlmpkthws (1167)	—	—
64	79	16	di tlmpktlws (1168)	—	—
80	95	16	di tlmpkthwss (1168)	—	—
96	111	16	di tlmpktlwss (1168)	—	—
112	127	16	di cmdsaaccepted (1159)	—	—
128	143	16	di cmdsrej (1159)	—	—
144	159	16	di lasterrcode (1160)	—	—
160	175	16	di badpid (1158)	—	—
176	207	32	di errorcnt (1160)	—	—
208	239	32	di rdbackerrs (1167)	—	—
240	241	2	di ramintegbank1 (1161)	—	—
242	243	2	di ramintegbank2 (1164)	—	—
244	245	2	di ramintegbank3 (1164)	—	—
246	247	2	di ramintegbank4 (1165)	—	—
248	249	2	di ramintegbank5 (1165)	—	—
250	251	2	di ramintegbank6 (1165)	—	—
252	253	2	di ramintegbank7 (1166)	—	—
254	255	2	di ramintegbank8 (1166)	—	—
256	257	2	di ramintegbank9 (1166)	—	—
258	259	2	di ramintegbank10 (1162)	—	—
260	261	2	di ramintegbank11 (1162)	—	—
262	263	2	di ramintegbank12 (1162)	—	—
264	265	2	di ramintegbank13 (1163)	—	—
266	267	2	di ramintegbank14 (1163)	—	—
268	269	2	di ramintegbank15 (1163)	—	—
270	271	2	di ramintegbank16 (1164)	—	—
272	273	2	di blastramtst (1159)	—	—
274	275	2	di tmrtest (1170)	—	—
276	277	2	di registertest (1167)	—	—
278	279	2	di modetest (1161)	—	—

Packet **di tlm_pkt** Format, cont'd

start bit	stop bit	size bits	field		
280	281	2	di maptest (1161)	—	—
282	287	6	di dispare (1160)	—	—
288	319	32	di adr (1158)	—	—
320	351	32	di tstval (1170)	—	—

Packet size = 352 bits (44 bytes) .

F.26 dl sppkt

Packet Source Application Identifier

0x10f (271)

OASIS Stream Name

dl271

Description

Downlink super packet compiled by software from all the downlink card status re

Format

Packet **dl sppkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	dl pid (1183)	—	—
16	17	2	dl sflg (1195)	—	—
18	31	14	dl sct (1194)	—	—
32	47	16	dl pl (1185)	—	—
48	63	16	dl pktsecshi (1183)	—	—
64	79	16	dl pktsecslo (1184)	—	—
80	95	16	dl pktsubsecshi (1184)	—	—
96	111	16	dl pktsubsecslo (1184)	—	—
112	118	7	dl sp0 (1195)	—	—
119	119	1	dl sp1 (1196)	—	—
120	120	1	dl inhibitpbinp (1180)	—	—
121	121	1	dl inhibitinput6 (1180)	—	—
122	122	1	dl inhibitinput5 (1180)	—	—
123	123	1	dl inhibitinput4 (1179)	—	—
124	124	1	dl inhibitinput3 (1179)	—	—
125	125	1	dl inhibitinput2 (1179)	—	—
126	126	1	dl inhibitthss2input (1178)	—	—
127	127	1	dl inhibitscsainp (1181)	—	—
128	134	7	dl sp2 (1198)	—	—
135	135	1	dl rtrcmdivflg (1189)	—	—
136	136	1	dl syncerrpbinp (1201)	—	—
137	137	1	dl syncerrinput6 (1201)	—	—
138	138	1	dl syncerrinput5 (1200)	—	—
139	139	1	dl syncerrinput4 (1200)	—	—
140	140	1	dl syncerrinput3 (1200)	—	—
141	141	1	dl syncerrinput2 (1199)	—	—
142	142	1	dl syncerrhss2 (1199)	—	—
143	143	1	dl syncerrscsa (1201)	—	—
144	159	16	dl routeselregw1 (1188)	—	—
160	175	16	dl routeselregw2 (1189)	—	—
176	191	16	dl routeselregw3 (1189)	—	—
192	196	5	dl sp14 (1196)	—	—
197	197	1	dl ccdsrndmize (1171)	—	—
198	198	1	dl sp15 (1196)	—	—

Packet **dl sppkt** Format, cont'd

start bit	stop bit	size bits	field		
199	199	1	dl res (1188)	—	—
200	203	4	dl sp16 (1197)	—	—
204	204	1	dl lrdrivers (1181)	—	—
205	205	1	dl lrbdrivers (1182)	—	—
206	206	1	dl sp17 (1197)	—	—
207	207	1	dl convenbit (1172)	—	—
208	211	4	dl vducnt (1202)	—	—
212	212	1	dl haltflg (1174)	—	—
213	213	1	dl randbypass (1185)	—	—
214	214	1	dl ceccsds (1171)	—	—
215	215	1	dl shortcadu (1195)	—	—
216	216	1	dl ccscsdrandbypass (1171)	—	—
217	217	1	dl convencbypass (1172)	—	—
218	218	1	dl nrzltom (1183)	—	—
219	219	1	dl ffunrunerr (1174)	—	—
220	220	1	dl selftstfl (1194)	—	—
221	221	1	dl selftstpass (1194)	—	—
222	222	1	dl ffsyncerr (1173)	—	—
223	223	1	dl ffovrfllow (1173)	—	—
224	226	3	dl sp18b (1197)	—	—
227	239	13	dl lrbitrate (1182)	—	—
240	247	8	dl sp19 (1198)	—	—
248	248	1	dl randtype7 (1188)	—	—
249	249	1	dl randtype6 (1187)	—	—
250	250	1	dl randtype5 (1187)	—	—
251	251	1	dl randtype4 (1187)	—	—
252	252	1	dl randtype3 (1186)	—	—
253	253	1	dl randtype2 (1186)	—	—
254	254	1	dl randtype1 (1186)	—	—
255	255	1	dl randtype0 (1185)	—	—
256	263	8	dl scsatlmfrmcnt (1193)	—	—
264	271	8	dl hss2tlmfrmcnt (1178)	—	—
272	272	1	dl sp20 (1198)	—	—
273	273	1	dl scsaffunderflow (1190)	—	—
274	274	1	dl scsaivopcode (1192)	—	—
275	275	1	dl scsaffovrfllow (1190)	—	—
276	276	1	dl scsaframingerr (1191)	—	—
277	277	1	dl scsaseqerr (1193)	—	—
278	278	1	dl scsaincommmsg (1191)	—	—
279	279	1	dl scsaparityerr (1192)	—	—
280	287	8	dl scsact (1190)	—	—
288	288	1	dl sp22 (1199)	—	—
289	289	1	dl hss2ffunderflow (1175)	—	—
290	290	1	dl hss2ivopcode (1177)	—	—
291	291	1	dl hss2ffovrfllow (1175)	—	—
292	292	1	dl hss2framingerr (1176)	—	—
293	293	1	dl hss2seqerr (1178)	—	—

Packet **dl sppkt** Format, cont'd

start bit	stop bit	size bits	field		
294	294	1	dl hss2incommsg (1176)	—	—
295	295	1	dl hss2parityerr (1177)	—	—
296	303	8	dl hss2ct (1174)	—	—

Packet size = 304 bits (38 bytes) .

F.27 ds ev

Packet Source Application Identifier

0x05f (95)

OASIS Stream Name

ds95

Description

S/C Event Message stored in the DS Event Recorder

Format

Packet **ds ev** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ds evpid (1204)	—	—
16	17	2	ds evsflg (1205)	—	—
18	31	14	ds evsct (1205)	—	—
32	47	16	ds evpl (1204)	—	—
48	63	16	ds evhws (1202)	—	—
64	79	16	ds evlws (1203)	—	—
80	95	16	ds evhwss (1202)	—	—
96	111	16	ds evlwss (1203)	—	—
112	159	48	ds evmnemonic (1203)	—	—
160	639	480	ds evmsg (1204)	—	—

Packet size = 640 bits (80 bytes) .

F.28 hs fst_sup_pkt

Packet Source Application Identifier

0x073 (115)

OASIS Stream Name

hs115

Description

HS FAST Packet (SID 873)

Format

Packet **hs fst_sup_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	hs fstspkthdrpid (1247)	—	—
16	17	2	hs fstspkthdrsflg (1247)	—	—
18	31	14	hs fstspkthdrsct (1248)	—	—
32	47	16	hs fstspkthdrpl (1247)	—	—
48	63	16	hs fstspkthshws (1248)	—	—
64	79	16	hs fstspkthslws (1249)	—	—
80	95	16	hs fstspkthshwss (1248)	—	—
96	111	16	hs fstspkthslwss (1249)	—	—
112	127	16	hs accmddaccepted (1205)	—	—
128	143	16	hs accmddrjct (1206)	—	—
144	151	8	hs csvldctr (1229)	—	—
152	159	8	hs csivctr (1227)	—	—
160	167	8	hs cscsumend (1224)	—	—
168	175	8	hs cschkcodeend (1223)	—	—
176	183	8	hs cschkstaticend (1223)	—	—
184	191	8	hs cschkeend (1223)	—	—
192	207	16	hs difstdummy (1235)	—	—
208	239	32	hs dsevrds0pktcnt (1238)	—	—
240	271	32	hs dsevrds1pktcnt (1238)	—	—
272	303	32	hs dsevrds2pktcnt (1239)	—	—
304	335	32	hs dsevrds3pktcnt (1239)	—	—
336	367	32	hs dstotalfremblcks (1242)	—	—
368	399	32	hs dslsttxrtxseqnum (1241)	—	—
400	431	32	hs dslsttxrtxvr (1241)	—	—
432	447	16	hs dsrtxseqpend (1242)	—	—
448	463	16	hs dscmddrjctcnt (1237)	—	—
464	479	16	hs dscmddexutedcnt (1237)	—	—
480	495	16	hs dscurfltrtbl (1238)	—	—
496	511	16	hs vr1totalavlblks (1678)	—	—
512	512	1	hs vr1conpbkonflg (1673)	—	—
513	513	1	hs vr1pbk (1676)	—	—
514	514	1	hs vr1rtx (1677)	—	—
515	515	1	hs vr1ovrwend (1676)	—	—
516	516	1	hs vr1dmp (1673)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
517	517	1	hs vr1pri1ovf (1676)	—	—
518	518	1	hs vr1pri2ovf (1677)	—	—
519	527	9	hs vr1vrsp (1678)	—	—
528	559	32	hs vr1fsnumsd0 (1674)	—	—
560	591	32	hs vr1fsnumsd1 (1674)	—	—
592	623	32	hs vr1fsnumsd2 (1674)	—	—
624	655	32	hs vr1fsnumsd3 (1675)	—	—
656	687	32	hs vr1lstrecseqnum (1675)	—	—
688	719	32	hs vr1lsttxseqnum (1675)	—	—
720	735	16	hs vr2totalavlblks (1683)	—	—
736	736	1	hs vr2conpbkonflg (1678)	—	—
737	737	1	hs vr2pbk (1681)	—	—
738	738	1	hs vr2rtx (1683)	—	—
739	739	1	hs vr2ovrwend (1681)	—	—
740	740	1	hs vr2dmp (1679)	—	—
741	741	1	hs vr2pri1ovf (1682)	—	—
742	742	1	hs vr2pri2ovf (1682)	—	—
743	751	9	hs vr2vrsp (1683)	—	—
752	783	32	hs vr2fsnumsd0 (1679)	—	—
784	815	32	hs vr2fsnumsd1 (1679)	—	—
816	847	32	hs vr2fsnumsd2 (1680)	—	—
848	879	32	hs vr2fsnumsd3 (1680)	—	—
880	911	32	hs vr2lstrecseqnum (1680)	—	—
912	943	32	hs vr2lsttxseqnum (1681)	—	—
944	959	16	hs vr3totalavlblks (1689)	—	—
960	960	1	hs vr3conpbkonflg (1684)	—	—
961	961	1	hs vr3pbk (1687)	—	—
962	962	1	hs vr3rtx (1688)	—	—
963	963	1	hs vr3ovrwend (1687)	—	—
964	964	1	hs vr3dmp (1684)	—	—
965	965	1	hs vr3pri1ovf (1687)	—	—
966	966	1	hs vr3pri2ovf (1688)	—	—
967	975	9	hs vr3vrsp (1689)	—	—
976	1007	32	hs vr3fsnumsd0 (1685)	—	—
1008	1039	32	hs vr3fsnumsd1 (1685)	—	—
1040	1071	32	hs vr3fsnumsd2 (1685)	—	—
1072	1103	32	hs vr3fsnumsd3 (1686)	—	—
1104	1135	32	hs vr3lstrecseqnum (1686)	—	—
1136	1167	32	hs vr3lsttxseqnum (1686)	—	—
1168	1183	16	hs vr4totalavlblks (1694)	—	—
1184	1184	1	hs vr4conpbkonflg (1689)	—	—
1185	1185	1	hs vr4pbk (1692)	—	—
1186	1186	1	hs vr4rtx (1694)	—	—
1187	1187	1	hs vr4ovrwend (1692)	—	—
1188	1188	1	hs vr4dmp (1690)	—	—
1189	1189	1	hs vr4pri1ovf (1693)	—	—
1190	1190	1	hs vr4pri2ovf (1693)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1191	1199	9	hs vr4vrsp (1694)	—	—
1200	1231	32	hs vr4fsnumsd0 (1690)	—	—
1232	1263	32	hs vr4fsnumsd1 (1690)	—	—
1264	1295	32	hs vr4fsnumsd2 (1691)	—	—
1296	1327	32	hs vr4fsnumsd3 (1691)	—	—
1328	1359	32	hs vr4lstrecseqnum (1691)	—	—
1360	1391	32	hs vr4lsttxseqnum (1692)	—	—
1392	1407	16	hs epcmddexutedcnt (1243)	—	—
1408	1423	16	hs epcmdrjctcnt (1243)	—	—
1424	1439	16	hs cmdexcnt (1218)	—	—
1440	1455	16	hs cmdrejtcnt (1219)	—	—
1456	1471	16	hs excnt (1245)	—	—
1472	1487	16	hs coldrestcnt (1219)	—	—
1488	1503	16	hs warmrestcnt (1695)	—	—
1504	1504	1	hs presentflg (1271)	—	—
1505	1505	1	hs adpresentflg (1207)	—	—
1506	1506	1	hs anpresentflg (1208)	—	—
1507	1507	1	hs csresentflg (1228)	—	—
1508	1508	1	hs dipresentflg (1236)	—	—
1509	1509	1	hs dsresentflg (1242)	—	—
1510	1510	1	hs eppresentflg (1244)	—	—
1511	1511	1	hs hspresentflg (1252)	—	—
1512	1512	1	hs itpresentflg (1254)	—	—
1513	1513	1	hs pgpresentflg (1270)	—	—
1514	1514	1	hs mspresentflg (1262)	—	—
1515	1515	1	hs s1presentflg (1273)	—	—
1516	1516	1	hs s2presentflg (1274)	—	—
1517	1517	1	hs sbpresentflg (1277)	—	—
1518	1518	1	hs scpresentflg (1289)	—	—
1519	1519	1	hs smpresentflg (1410)	—	—
1520	1520	1	hs tcpresentflg (1421)	—	—
1521	1521	1	hs tgpresentflg (1426)	—	—
1522	1522	1	hs topresentflg (1435)	—	—
1523	1523	1	hs tppresentflg (1437)	—	—
1524	1524	1	hs xbpresentflg (1710)	—	—
1525	1525	1	hs tsresentflg (1439)	—	—
1526	1529	4	hs hkrequestperiod (1252)	—	—
1530	1530	1	hs group2fdclg (1250)	—	—
1531	1531	1	hs group3fdclg (1250)	—	—
1532	1535	4	hs fstsp (1249)	—	—
1536	1551	16	hs mscmdsexutedcnt (1258)	—	—
1552	1567	16	hs mscmdsrjctcnt (1259)	—	—
1568	1575	8	hs mscurprocorld (1259)	—	—
1576	1583	8	hs msavgprocorld (1258)	—	—
1584	1591	8	hs mslwprocorld (1262)	—	—
1592	1599	8	hs mshighprocorld (1261)	—	—
1600	1615	16	hs msscrubcntforavg (1263)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1616	1647	32	hs mscurscrubticks (1259)	—	—
1648	1655	8	hs msdisd (1260)	—	—
1656	1663	8	hs msrestrt (1262)	—	—
1664	1679	16	hs msscrubcnt (1263)	—	—
1680	1695	16	hs mssramsberrcnt (1264)	—	—
1696	1727	32	hs mssramsberradx (1263)	—	—
1728	1743	16	hs mssramscrubcnt (1264)	—	—
1744	1775	32	hs sramdbeaddress (1414)	—	—
1776	1807	32	hs msdramtmrerrcnt (1261)	—	—
1808	1839	32	hs msdramlasterradd (1260)	—	—
1840	1847	8	hs sbvldcmdcnt (1280)	—	—
1848	1855	8	hs sbcmderrcnt (1274)	—	—
1856	1863	8	hs sccmderrctr (1284)	—	—
1864	1871	8	hs sccmdctr (1284)	—	—
1872	1879	8	hs scatppatchctr (1282)	—	—
1880	1887	8	hs scatpldctr (1281)	—	—
1888	1895	8	hs scatppatcherrctr (1282)	—	—
1896	1903	8	hs scatplderrctr (1281)	—	—
1904	1919	16	hs scatpafreebytes (1280)	—	—
1920	1935	16	hs scatpbfreebytes (1280)	—	—
1936	1943	8	hs scatsnum (1284)	—	—
1944	1951	8	hs scatpst (1282)	—	—
1952	1967	16	hs scatpcmdnum (1281)	—	—
1968	1983	16	hs scswpendflg (1401)	—	—
1984	2015	32	hs scnxtatstm (1288)	—	—
2016	2023	8	hs scrtsacterrctr (1290)	—	—
2024	2031	8	hs scrtsactctr (1290)	—	—
2032	2039	8	hs scrtslderrctr (1399)	—	—
2040	2047	8	hs scrtsldctr (1399)	—	—
2048	2063	16	hs scnumrtsact (1289)	—	—
2064	2079	16	hs scrtsnum (1400)	—	—
2080	2095	16	hs lsrtstinitiated (1256)	—	—
2096	2127	32	hs scnextrtstm (1289)	—	—
2128	2128	1	hs scrtsexstat16 (1360)	—	—
2129	2129	1	hs scrtsexstat15 (1359)	—	—
2130	2130	1	hs scrtsexstat14 (1359)	—	—
2131	2131	1	hs scrtsexstat13 (1358)	—	—
2132	2132	1	hs scrtsexstat12 (1355)	—	—
2133	2133	1	hs scrtsexstat11 (1350)	—	—
2134	2134	1	hs scrtsexstat10 (1345)	—	—
2135	2135	1	hs scrtsexstat9 (1394)	—	—
2136	2136	1	hs scrtsexstat8 (1390)	—	—
2137	2137	1	hs scrtsexstat7 (1385)	—	—
2138	2138	1	hs scrtsexstat6 (1380)	—	—
2139	2139	1	hs scrtsexstat5 (1375)	—	—
2140	2140	1	hs scrtsexstat4 (1371)	—	—
2141	2141	1	hs scrtsexstat3 (1366)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2142	2142	1	hs scrtsexstat2 (1361)	—	—
2143	2143	1	hs scrtsexstat1 (1345)	—	—
2144	2144	1	hs scrtsexstat32 (1367)	—	—
2145	2145	1	hs scrtsexstat31 (1367)	—	—
2146	2146	1	hs scrtsexstat30 (1366)	—	—
2147	2147	1	hs scrtsexstat29 (1366)	—	—
2148	2148	1	hs scrtsexstat28 (1365)	—	—
2149	2149	1	hs scrtsexstat27 (1365)	—	—
2150	2150	1	hs scrtsexstat26 (1364)	—	—
2151	2151	1	hs scrtsexstat25 (1364)	—	—
2152	2152	1	hs scrtsexstat24 (1363)	—	—
2153	2153	1	hs scrtsexstat23 (1363)	—	—
2154	2154	1	hs scrtsexstat22 (1363)	—	—
2155	2155	1	hs scrtsexstat21 (1362)	—	—
2156	2156	1	hs scrtsexstat20 (1362)	—	—
2157	2157	1	hs scrtsexstat19 (1361)	—	—
2158	2158	1	hs scrtsexstat18 (1360)	—	—
2159	2159	1	hs scrtsexstat17 (1360)	—	—
2160	2160	1	hs scrtsexstat48 (1375)	—	—
2161	2161	1	hs scrtsexstat47 (1374)	—	—
2162	2162	1	hs scrtsexstat46 (1374)	—	—
2163	2163	1	hs scrtsexstat45 (1373)	—	—
2164	2164	1	hs scrtsexstat44 (1373)	—	—
2165	2165	1	hs scrtsexstat43 (1372)	—	—
2166	2166	1	hs scrtsexstat42 (1372)	—	—
2167	2167	1	hs scrtsexstat41 (1372)	—	—
2168	2168	1	hs scrtsexstat40 (1371)	—	—
2169	2169	1	hs scrtsexstat39 (1370)	—	—
2170	2170	1	hs scrtsexstat38 (1370)	—	—
2171	2171	1	hs scrtsexstat37 (1369)	—	—
2172	2172	1	hs scrtsexstat36 (1369)	—	—
2173	2173	1	hs scrtsexstat35 (1369)	—	—
2174	2174	1	hs scrtsexstat34 (1368)	—	—
2175	2175	1	hs scrtsexstat33 (1368)	—	—
2176	2176	1	hs scrtsexstat64 (1382)	—	—
2177	2177	1	hs scrtsexstat63 (1382)	—	—
2178	2178	1	hs scrtsexstat62 (1381)	—	—
2179	2179	1	hs scrtsexstat61 (1381)	—	—
2180	2180	1	hs scrtsexstat60 (1381)	—	—
2181	2181	1	hs scrtsexstat59 (1380)	—	—
2182	2182	1	hs scrtsexstat58 (1379)	—	—
2183	2183	1	hs scrtsexstat57 (1379)	—	—
2184	2184	1	hs scrtsexstat56 (1378)	—	—
2185	2185	1	hs scrtsexstat55 (1378)	—	—
2186	2186	1	hs scrtsexstat54 (1378)	—	—
2187	2187	1	hs scrtsexstat53 (1377)	—	—
2188	2188	1	hs scrtsexstat52 (1377)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2189	2189	1	hs scrtsexstat51 (1376)	—	—
2190	2190	1	hs scrtsexstat50 (1376)	—	—
2191	2191	1	hs scrtsexstat49 (1375)	—	—
2192	2192	1	hs scrtsexstat80 (1390)	—	—
2193	2193	1	hs scrtsexstat79 (1389)	—	—
2194	2194	1	hs scrtsexstat78 (1389)	—	—
2195	2195	1	hs scrtsexstat77 (1388)	—	—
2196	2196	1	hs scrtsexstat76 (1388)	—	—
2197	2197	1	hs scrtsexstat75 (1387)	—	—
2198	2198	1	hs scrtsexstat74 (1387)	—	—
2199	2199	1	hs scrtsexstat73 (1387)	—	—
2200	2200	1	hs scrtsexstat72 (1386)	—	—
2201	2201	1	hs scrtsexstat71 (1386)	—	—
2202	2202	1	hs scrtsexstat70 (1385)	—	—
2203	2203	1	hs scrtsexstat69 (1384)	—	—
2204	2204	1	hs scrtsexstat68 (1384)	—	—
2205	2205	1	hs scrtsexstat67 (1384)	—	—
2206	2206	1	hs scrtsexstat66 (1383)	—	—
2207	2207	1	hs scrtsexstat65 (1383)	—	—
2208	2208	1	hs scrtsexstat96 (1397)	—	—
2209	2209	1	hs scrtsexstat95 (1397)	—	—
2210	2210	1	hs scrtsexstat94 (1396)	—	—
2211	2211	1	hs scrtsexstat93 (1396)	—	—
2212	2212	1	hs scrtsexstat92 (1396)	—	—
2213	2213	1	hs scrtsexstat91 (1395)	—	—
2214	2214	1	hs scrtsexstat90 (1395)	—	—
2215	2215	1	hs scrtsexstat89 (1394)	—	—
2216	2216	1	hs scrtsexstat88 (1393)	—	—
2217	2217	1	hs scrtsexstat87 (1393)	—	—
2218	2218	1	hs scrtsexstat86 (1393)	—	—
2219	2219	1	hs scrtsexstat85 (1392)	—	—
2220	2220	1	hs scrtsexstat84 (1392)	—	—
2221	2221	1	hs scrtsexstat83 (1391)	—	—
2222	2222	1	hs scrtsexstat82 (1391)	—	—
2223	2223	1	hs scrtsexstat81 (1390)	—	—
2224	2224	1	hs scrtsexstat112 (1351)	—	—
2225	2225	1	hs scrtsexstat111 (1351)	—	—
2226	2226	1	hs scrtsexstat110 (1351)	—	—
2227	2227	1	hs scrtsexstat109 (1350)	—	—
2228	2228	1	hs scrtsexstat108 (1349)	—	—
2229	2229	1	hs scrtsexstat107 (1349)	—	—
2230	2230	1	hs scrtsexstat106 (1348)	—	—
2231	2231	1	hs scrtsexstat105 (1348)	—	—
2232	2232	1	hs scrtsexstat104 (1348)	—	—
2233	2233	1	hs scrtsexstat103 (1347)	—	—
2234	2234	1	hs scrtsexstat102 (1347)	—	—
2235	2235	1	hs scrtsexstat101 (1346)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2236	2236	1	hs scrtsexstat100 (1346)	—	—
2237	2237	1	hs scrtsexstat99 (1399)	—	—
2238	2238	1	hs scrtsexstat98 (1398)	—	—
2239	2239	1	hs scrtsexstat97 (1398)	—	—
2240	2240	1	hs scrtsexstat128 (1358)	—	—
2241	2241	1	hs scrtsexstat127 (1358)	—	—
2242	2242	1	hs scrtsexstat126 (1357)	—	—
2243	2243	1	hs scrtsexstat125 (1357)	—	—
2244	2244	1	hs scrtsexstat124 (1357)	—	—
2245	2245	1	hs scrtsexstat123 (1356)	—	—
2246	2246	1	hs scrtsexstat122 (1356)	—	—
2247	2247	1	hs scrtsexstat121 (1356)	—	—
2248	2248	1	hs scrtsexstat120 (1355)	—	—
2249	2249	1	hs scrtsexstat119 (1354)	—	—
2250	2250	1	hs scrtsexstat118 (1354)	—	—
2251	2251	1	hs scrtsexstat117 (1354)	—	—
2252	2252	1	hs scrtsexstat116 (1353)	—	—
2253	2253	1	hs scrtsexstat115 (1353)	—	—
2254	2254	1	hs scrtsexstat114 (1352)	—	—
2255	2255	1	hs scrtsexstat113 (1352)	—	—
2256	2256	1	hs scrtsdisdstat16 (1306)	—	—
2257	2257	1	hs scrtsdisdstat15 (1305)	—	—
2258	2258	1	hs scrtsdisdstat14 (1305)	—	—
2259	2259	1	hs scrtsdisdstat13 (1304)	—	—
2260	2260	1	hs scrtsdisdstat12 (1301)	—	—
2261	2261	1	hs scrtsdisdstat11 (1296)	—	—
2262	2262	1	hs scrtsdisdstat10 (1291)	—	—
2263	2263	1	hs scrtsdisdstat9 (1340)	—	—
2264	2264	1	hs scrtsdisdstat8 (1336)	—	—
2265	2265	1	hs scrtsdisdstat7 (1331)	—	—
2266	2266	1	hs scrtsdisdstat6 (1326)	—	—
2267	2267	1	hs scrtsdisdstat5 (1321)	—	—
2268	2268	1	hs scrtsdisdstat4 (1317)	—	—
2269	2269	1	hs scrtsdisdstat3 (1312)	—	—
2270	2270	1	hs scrtsdisdstat2 (1307)	—	—
2271	2271	1	hs scrtsdisdstat1 (1291)	—	—
2272	2272	1	hs scrtsdisdstat32 (1313)	—	—
2273	2273	1	hs scrtsdisdstat31 (1313)	—	—
2274	2274	1	hs scrtsdisdstat30 (1312)	—	—
2275	2275	1	hs scrtsdisdstat29 (1312)	—	—
2276	2276	1	hs scrtsdisdstat28 (1311)	—	—
2277	2277	1	hs scrtsdisdstat27 (1311)	—	—
2278	2278	1	hs scrtsdisdstat26 (1310)	—	—
2279	2279	1	hs scrtsdisdstat25 (1310)	—	—
2280	2280	1	hs scrtsdisdstat24 (1309)	—	—
2281	2281	1	hs scrtsdisdstat23 (1309)	—	—
2282	2282	1	hs scrtsdisdstat22 (1309)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2283	2283	1	hs scrtsdisdstat21 (1308)	—	—
2284	2284	1	hs scrtsdisdstat20 (1308)	—	—
2285	2285	1	hs scrtsdisdstat19 (1307)	—	—
2286	2286	1	hs scrtsdisdstat18 (1306)	—	—
2287	2287	1	hs scrtsdisdstat17 (1306)	—	—
2288	2288	1	hs scrtsdisdstat48 (1321)	—	—
2289	2289	1	hs scrtsdisdstat47 (1320)	—	—
2290	2290	1	hs scrtsdisdstat46 (1320)	—	—
2291	2291	1	hs scrtsdisdstat45 (1319)	—	—
2292	2292	1	hs scrtsdisdstat44 (1319)	—	—
2293	2293	1	hs scrtsdisdstat43 (1318)	—	—
2294	2294	1	hs scrtsdisdstat42 (1318)	—	—
2295	2295	1	hs scrtsdisdstat41 (1318)	—	—
2296	2296	1	hs scrtsdisdstat40 (1317)	—	—
2297	2297	1	hs scrtsdisdstat39 (1316)	—	—
2298	2298	1	hs scrtsdisdstat38 (1316)	—	—
2299	2299	1	hs scrtsdisdstat37 (1315)	—	—
2300	2300	1	hs scrtsdisdstat36 (1315)	—	—
2301	2301	1	hs scrtsdisdstat35 (1315)	—	—
2302	2302	1	hs scrtsdisdstat34 (1314)	—	—
2303	2303	1	hs scrtsdisdstat33 (1314)	—	—
2304	2304	1	hs scrtsdisdstat64 (1328)	—	—
2305	2305	1	hs scrtsdisdstat63 (1328)	—	—
2306	2306	1	hs scrtsdisdstat62 (1327)	—	—
2307	2307	1	hs scrtsdisdstat61 (1327)	—	—
2308	2308	1	hs scrtsdisdstat60 (1327)	—	—
2309	2309	1	hs scrtsdisdstat59 (1326)	—	—
2310	2310	1	hs scrtsdisdstat58 (1325)	—	—
2311	2311	1	hs scrtsdisdstat57 (1325)	—	—
2312	2312	1	hs scrtsdisdstat56 (1324)	—	—
2313	2313	1	hs scrtsdisdstat55 (1324)	—	—
2314	2314	1	hs scrtsdisdstat54 (1324)	—	—
2315	2315	1	hs scrtsdisdstat53 (1323)	—	—
2316	2316	1	hs scrtsdisdstat52 (1323)	—	—
2317	2317	1	hs scrtsdisdstat51 (1322)	—	—
2318	2318	1	hs scrtsdisdstat50 (1322)	—	—
2319	2319	1	hs scrtsdisdstat49 (1321)	—	—
2320	2320	1	hs scrtsdisdstat80 (1336)	—	—
2321	2321	1	hs scrtsdisdstat79 (1335)	—	—
2322	2322	1	hs scrtsdisdstat78 (1335)	—	—
2323	2323	1	hs scrtsdisdstat77 (1334)	—	—
2324	2324	1	hs scrtsdisdstat76 (1334)	—	—
2325	2325	1	hs scrtsdisdstat75 (1333)	—	—
2326	2326	1	hs scrtsdisdstat74 (1333)	—	—
2327	2327	1	hs scrtsdisdstat73 (1333)	—	—
2328	2328	1	hs scrtsdisdstat72 (1332)	—	—
2329	2329	1	hs scrtsdisdstat71 (1332)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2330	2330	1	hs scrtsdisdstat70 (1331)	—	—
2331	2331	1	hs scrtsdisdstat69 (1330)	—	—
2332	2332	1	hs scrtsdisdstat68 (1330)	—	—
2333	2333	1	hs scrtsdisdstat67 (1330)	—	—
2334	2334	1	hs scrtsdisdstat66 (1329)	—	—
2335	2335	1	hs scrtsdisdstat65 (1329)	—	—
2336	2336	1	hs scrtsdisdstat96 (1343)	—	—
2337	2337	1	hs scrtsdisdstat95 (1343)	—	—
2338	2338	1	hs scrtsdisdstat94 (1342)	—	—
2339	2339	1	hs scrtsdisdstat93 (1342)	—	—
2340	2340	1	hs scrtsdisdstat92 (1342)	—	—
2341	2341	1	hs scrtsdisdstat91 (1341)	—	—
2342	2342	1	hs scrtsdisdstat90 (1341)	—	—
2343	2343	1	hs scrtsdisdstat89 (1340)	—	—
2344	2344	1	hs scrtsdisdstat88 (1339)	—	—
2345	2345	1	hs scrtsdisdstat87 (1339)	—	—
2346	2346	1	hs scrtsdisdstat86 (1339)	—	—
2347	2347	1	hs scrtsdisdstat85 (1338)	—	—
2348	2348	1	hs scrtsdisdstat84 (1338)	—	—
2349	2349	1	hs scrtsdisdstat83 (1337)	—	—
2350	2350	1	hs scrtsdisdstat82 (1337)	—	—
2351	2351	1	hs scrtsdisdstat81 (1336)	—	—
2352	2352	1	hs scrtsdisdstat112 (1297)	—	—
2353	2353	1	hs scrtsdisdstat111 (1297)	—	—
2354	2354	1	hs scrtsdisdstat110 (1296)	—	—
2355	2355	1	hs scrtsdisdstat109 (1296)	—	—
2356	2356	1	hs scrtsdisdstat108 (1295)	—	—
2357	2357	1	hs scrtsdisdstat107 (1295)	—	—
2358	2358	1	hs scrtsdisdstat106 (1294)	—	—
2359	2359	1	hs scrtsdisdstat105 (1294)	—	—
2360	2360	1	hs scrtsdisdstat104 (1293)	—	—
2361	2361	1	hs scrtsdisdstat103 (1293)	—	—
2362	2362	1	hs scrtsdisdstat102 (1293)	—	—
2363	2363	1	hs scrtsdisdstat101 (1292)	—	—
2364	2364	1	hs scrtsdisdstat100 (1292)	—	—
2365	2365	1	hs scrtsdisdstat99 (1345)	—	—
2366	2366	1	hs scrtsdisdstat98 (1344)	—	—
2367	2367	1	hs scrtsdisdstat97 (1344)	—	—
2368	2368	1	hs scrtsdisdstat128 (1304)	—	—
2369	2369	1	hs scrtsdisdstat127 (1304)	—	—
2370	2370	1	hs scrtsdisdstat126 (1303)	—	—
2371	2371	1	hs scrtsdisdstat125 (1303)	—	—
2372	2372	1	hs scrtsdisdstat124 (1303)	—	—
2373	2373	1	hs scrtsdisdstat123 (1302)	—	—
2374	2374	1	hs scrtsdisdstat122 (1302)	—	—
2375	2375	1	hs scrtsdisdstat121 (1302)	—	—
2376	2376	1	hs scrtsdisdstat120 (1301)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2377	2377	1	hs scrtsdisdstat119 (1300)	—	—
2378	2378	1	hs scrtsdisdstat118 (1300)	—	—
2379	2379	1	hs scrtsdisdstat117 (1299)	—	—
2380	2380	1	hs scrtsdisdstat116 (1299)	—	—
2381	2381	1	hs scrtsdisdstat115 (1299)	—	—
2382	2382	1	hs scrtsdisdstat114 (1298)	—	—
2383	2383	1	hs scrtsdisdstat113 (1298)	—	—
2384	2415	32	hs sccurtm (1285)	—	—
2416	2431	16	hs smgndcmdsexe (1408)	—	—
2432	2447	16	hs smtoterrcnt (1413)	—	—
2448	2455	8	hs smdmpcopiesleft (1407)	—	—
2456	2463	8	hs smdmpact (1406)	—	—
2464	2471	8	hs smhkfstsp1 (1408)	—	—
2472	2479	8	hs smmdwlstat (1409)	—	—
2480	2487	8	hs smsysversion0 (1410)	—	—
2488	2495	8	hs smsysversion1 (1410)	—	—
2496	2503	8	hs smtbltype (1412)	—	—
2504	2511	8	hs smtblopsact (1412)	—	—
2512	2519	8	hs smtblfrimage (1411)	—	—
2520	2527	8	hs smhkfstsp2 (1408)	—	—
2528	2543	16	hs smtblidseled (1411)	—	—
2544	2551	8	hs smactmemtype (1405)	—	—
2552	2559	8	hs smcmtoperation (1406)	—	—
2560	2575	16	hs smtblsize (1412)	—	—
2576	2591	16	hs smtblcsum (1411)	—	—
2592	2599	8	hs smcmtsucccnt (1406)	—	—
2600	2607	8	hs smcmtflcnt (1405)	—	—
2608	2623	16	hs smtblwdsld (1413)	—	—
2624	2631	8	hs tctoterrcnt (1424)	—	—
2632	2639	8	hs tcgndcmdsexe (1420)	—	—
2640	2655	16	hs tccurrsystmhws (1419)	—	—
2656	2671	16	hs tccurrsystmlws (1419)	—	—
2672	2687	16	hs tccurrsystmhws (1419)	—	—
2688	2703	16	hs tccurrsystmlwss (1420)	—	—
2704	2705	2	hs tconeHzsource (1421)	—	—
2706	2707	2	hs tctenHzsource (1424)	—	—
2708	2709	2	hs bcstrtedby (1212)	—	—
2710	2719	10	hs tcsp12 (1422)	—	—
2720	2751	32	hs tc1Hzerrcount (1418)	—	—
2752	2783	32	hs tc10Hzerrcount (1418)	—	—
2784	2799	16	hs hws (1253)	—	—
2800	2815	16	hs lws (1256)	—	—
2816	2831	16	hs hwss (1253)	—	—
2832	2847	16	hs lwss (1257)	—	—
2848	2879	32	hs tcsp3 (1422)	—	—
2880	2911	32	hs tcsp4 (1423)	—	—
2912	2943	32	hs tcsp5 (1423)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2944	2951	8	hs tcsp5a (1423)	—	—
2952	2959	8	hs tcsp19 (1422)	—	—
2960	2975	16	hs tgcmdsaccepted (1425)	—	—
2976	2991	16	hs tgcmdsrjct (1426)	—	—
2992	3007	16	hs tgsberr (1427)	—	—
3008	3023	16	hs tgsppktsent (1427)	—	—
3024	3039	16	hs tguncapid (1430)	—	—
3040	3055	16	hs tocmddexutedcnt (1431)	—	—
3056	3071	16	hs tocmddrjctcnt (1431)	—	—
3072	3079	8	hs tofstsp1 (1433)	—	—
3080	3087	8	hs tofstsp2 (1433)	—	—
3088	3095	8	hs totlminindexrate (1435)	—	—
3096	3103	8	hs todmp (1432)	—	—
3104	3111	8	hs tofstsp3 (1434)	—	—
3112	3119	8	hs tocurfltrtbl (1431)	—	—
3120	3135	16	hs tpcmddexutedcnt (1436)	—	—
3136	3151	16	hs tpcmddrjctcnt (1436)	—	—
3152	3167	16	hs xbcmddexutedcnt (1702)	—	—
3168	3183	16	hs xbcmddrjctcnt (1702)	—	—
3184	3184	1	hs xbstex (1712)	—	—
3185	3185	1	hs xbsbit (1711)	—	—
3186	3186	1	hs xbsrst (1712)	—	—
3187	3188	2	hs xbbbit1211 (1697)	—	—
3189	3189	1	hs xbetec (1706)	—	—
3190	3192	3	hs xbbbit97 (1699)	—	—
3193	3193	1	hs xbbufr (1700)	—	—
3194	3194	1	hs xbbbit5 (1699)	—	—
3195	3195	1	hs xbbcen (1696)	—	—
3196	3196	1	hs xbbbit3 (1698)	—	—
3197	3197	1	hs xbppen (1710)	—	—
3198	3198	1	hs xbinten (1708)	—	—
3199	3199	1	hs xbbbit0 (1697)	—	—
3200	3204	5	hs xbbbit1511 (1698)	—	—
3205	3205	1	hs xbbbit10 (1697)	—	—
3206	3207	2	hs xbmsel (1709)	—	—
3208	3208	1	hs xbabstd (1695)	—	—
3209	3209	1	hs xblck (1708)	—	—
3210	3210	1	hs xbaen (1696)	—	—
3211	3211	1	hs xbbbit4 (1699)	—	—
3212	3212	1	hs xbex (1707)	—	—
3213	3213	1	hs xbbbit2 (1698)	—	—
3214	3214	1	hs xbready (1711)	—	—
3215	3215	1	hs xbteract (1713)	—	—
3216	3231	16	hs xbfstsp (1707)	—	—
3232	3247	16	hs xblsterrstat (1709)	—	—
3248	3263	16	hs xbsevereerrstat (1712)	—	—
3264	3271	8	hs tscmderrcnt (1438)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3272	3279	8	hs tsct (1438)	—	—
3280	3280	1	hs tsact (1437)	—	—
3281	3283	3	hs tsres1 (1439)	—	—
3284	3284	1	hs tswatchmd (1671)	—	—
3285	3287	3	hs tsres2 (1440)	—	—
3288	3288	1	hs tsres21 (1440)	—	—
3289	3295	7	hs tsres3 (1440)	—	—
3296	3296	1	hs tstmonen127 (1634)	—	—
3297	3297	1	hs tstmonen126 (1634)	—	—
3298	3298	1	hs tstmonen125 (1633)	—	—
3299	3299	1	hs tstmonen124 (1633)	—	—
3300	3300	1	hs tstmonen123 (1633)	—	—
3301	3301	1	hs tstmonen122 (1632)	—	—
3302	3302	1	hs tstmonen121 (1632)	—	—
3303	3303	1	hs tstmonen120 (1632)	—	—
3304	3304	1	hs tstmonen119 (1631)	—	—
3305	3305	1	hs tstmonen118 (1631)	—	—
3306	3306	1	hs tstmonen117 (1630)	—	—
3307	3307	1	hs tstmonen116 (1630)	—	—
3308	3308	1	hs tstmonen115 (1630)	—	—
3309	3309	1	hs tstmonen114 (1629)	—	—
3310	3310	1	hs tstmonen113 (1629)	—	—
3311	3311	1	hs tstmonen112 (1629)	—	—
3312	3312	1	hs tstmonen111 (1628)	—	—
3313	3313	1	hs tstmonen110 (1628)	—	—
3314	3314	1	hs tstmonen109 (1627)	—	—
3315	3315	1	hs tstmonen108 (1627)	—	—
3316	3316	1	hs tstmonen107 (1627)	—	—
3317	3317	1	hs tstmonen106 (1626)	—	—
3318	3318	1	hs tstmonen105 (1626)	—	—
3319	3319	1	hs tstmonen104 (1626)	—	—
3320	3320	1	hs tstmonen103 (1625)	—	—
3321	3321	1	hs tstmonen102 (1625)	—	—
3322	3322	1	hs tstmonen101 (1625)	—	—
3323	3323	1	hs tstmonen100 (1624)	—	—
3324	3324	1	hs tstmonen99 (1671)	—	—
3325	3325	1	hs tstmonen98 (1671)	—	—
3326	3326	1	hs tstmonen97 (1670)	—	—
3327	3327	1	hs tstmonen96 (1670)	—	—
3328	3328	1	hs tstmonen95 (1670)	—	—
3329	3329	1	hs tstmonen94 (1669)	—	—
3330	3330	1	hs tstmonen93 (1669)	—	—
3331	3331	1	hs tstmonen92 (1669)	—	—
3332	3332	1	hs tstmonen91 (1668)	—	—
3333	3333	1	hs tstmonen90 (1668)	—	—
3334	3334	1	hs tstmonen89 (1667)	—	—
3335	3335	1	hs tstmonen88 (1667)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3336	3336	1	hs tstmonen87 (1667)	—	—
3337	3337	1	hs tstmonen86 (1666)	—	—
3338	3338	1	hs tstmonen85 (1666)	—	—
3339	3339	1	hs tstmonen84 (1666)	—	—
3340	3340	1	hs tstmonen83 (1665)	—	—
3341	3341	1	hs tstmonen82 (1665)	—	—
3342	3342	1	hs tstmonen81 (1665)	—	—
3343	3343	1	hs tstmonen80 (1664)	—	—
3344	3344	1	hs tstmonen79 (1664)	—	—
3345	3345	1	hs tstmonen78 (1663)	—	—
3346	3346	1	hs tstmonen77 (1663)	—	—
3347	3347	1	hs tstmonen76 (1663)	—	—
3348	3348	1	hs tstmonen75 (1662)	—	—
3349	3349	1	hs tstmonen74 (1662)	—	—
3350	3350	1	hs tstmonen73 (1662)	—	—
3351	3351	1	hs tstmonen72 (1661)	—	—
3352	3352	1	hs tstmonen71 (1661)	—	—
3353	3353	1	hs tstmonen70 (1661)	—	—
3354	3354	1	hs tstmonen69 (1660)	—	—
3355	3355	1	hs tstmonen68 (1660)	—	—
3356	3356	1	hs tstmonen67 (1659)	—	—
3357	3357	1	hs tstmonen66 (1659)	—	—
3358	3358	1	hs tstmonen65 (1659)	—	—
3359	3359	1	hs tstmonen64 (1658)	—	—
3360	3360	1	hs tstmonen63 (1658)	—	—
3361	3361	1	hs tstmonen62 (1657)	—	—
3362	3362	1	hs tstmonen61 (1657)	—	—
3363	3363	1	hs tstmonen60 (1657)	—	—
3364	3364	1	hs tstmonen59 (1656)	—	—
3365	3365	1	hs tstmonen58 (1655)	—	—
3366	3366	1	hs tstmonen57 (1655)	—	—
3367	3367	1	hs tstmonen56 (1654)	—	—
3368	3368	1	hs tstmonen55 (1654)	—	—
3369	3369	1	hs tstmonen54 (1654)	—	—
3370	3370	1	hs tstmonen53 (1653)	—	—
3371	3371	1	hs tstmonen52 (1653)	—	—
3372	3372	1	hs tstmonen51 (1652)	—	—
3373	3373	1	hs tstmonen50 (1652)	—	—
3374	3374	1	hs tstmonen49 (1651)	—	—
3375	3375	1	hs tstmonen48 (1651)	—	—
3376	3376	1	hs tstmonen47 (1650)	—	—
3377	3377	1	hs tstmonen46 (1650)	—	—
3378	3378	1	hs tstmonen45 (1649)	—	—
3379	3379	1	hs tstmonen44 (1649)	—	—
3380	3380	1	hs tstmonen43 (1648)	—	—
3381	3381	1	hs tstmonen42 (1648)	—	—
3382	3382	1	hs tstmonen41 (1648)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3383	3383	1	hs tstmonen40 (1647)	—	—
3384	3384	1	hs tstmonen39 (1646)	—	—
3385	3385	1	hs tstmonen38 (1646)	—	—
3386	3386	1	hs tstmonen37 (1645)	—	—
3387	3387	1	hs tstmonen36 (1645)	—	—
3388	3388	1	hs tstmonen35 (1645)	—	—
3389	3389	1	hs tstmonen34 (1644)	—	—
3390	3390	1	hs tstmonen33 (1644)	—	—
3391	3391	1	hs tstmonen32 (1643)	—	—
3392	3392	1	hs tstmonen31 (1643)	—	—
3393	3393	1	hs tstmonen30 (1642)	—	—
3394	3394	1	hs tstmonen29 (1642)	—	—
3395	3395	1	hs tstmonen28 (1641)	—	—
3396	3396	1	hs tstmonen27 (1641)	—	—
3397	3397	1	hs tstmonen26 (1640)	—	—
3398	3398	1	hs tstmonen25 (1640)	—	—
3399	3399	1	hs tstmonen24 (1639)	—	—
3400	3400	1	hs tstmonen23 (1639)	—	—
3401	3401	1	hs tstmonen22 (1639)	—	—
3402	3402	1	hs tstmonen21 (1638)	—	—
3403	3403	1	hs tstmonen20 (1638)	—	—
3404	3404	1	hs tstmonen19 (1637)	—	—
3405	3405	1	hs tstmonen18 (1636)	—	—
3406	3406	1	hs tstmonen17 (1636)	—	—
3407	3407	1	hs tstmonen16 (1636)	—	—
3408	3408	1	hs tstmonen15 (1635)	—	—
3409	3409	1	hs tstmonen14 (1635)	—	—
3410	3410	1	hs tstmonen13 (1634)	—	—
3411	3411	1	hs tstmonen12 (1631)	—	—
3412	3412	1	hs tstmonen11 (1628)	—	—
3413	3413	1	hs tstmonen10 (1624)	—	—
3414	3414	1	hs tstmonen9 (1668)	—	—
3415	3415	1	hs tstmonen8 (1664)	—	—
3416	3416	1	hs tstmonen7 (1660)	—	—
3417	3417	1	hs tstmonen6 (1656)	—	—
3418	3418	1	hs tstmonen5 (1651)	—	—
3419	3419	1	hs tstmonen4 (1647)	—	—
3420	3420	1	hs tstmonen3 (1642)	—	—
3421	3421	1	hs tstmonen2 (1637)	—	—
3422	3422	1	hs tstmonen1 (1623)	—	—
3423	3423	1	hs tstmonen0 (1623)	—	—
3424	3439	16	hs tsdlmct (1443)	—	—
3440	3455	16	hs tsthreshldocct0 (1441)	—	—
3456	3471	16	hs tsthreshldocct1 (1442)	—	—
3472	3487	16	hs tsthreshldocct2 (1442)	—	—
3488	3503	16	hs tsthreshldocct3 (1442)	—	—
3504	3519	16	hs tsstoredcmddexct (1441)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3520	3520	1	hs tstmon127fuse0 (1483)	—	—
3521	3521	1	hs tstmon126fuse0 (1482)	—	—
3522	3522	1	hs tstmon125fuse0 (1480)	—	—
3523	3523	1	hs tstmon124fuse0 (1479)	—	—
3524	3524	1	hs tstmon123fuse0 (1478)	—	—
3525	3525	1	hs tstmon122fuse0 (1476)	—	—
3526	3526	1	hs tstmon121fuse0 (1475)	—	—
3527	3527	1	hs tstmon120fuse0 (1474)	—	—
3528	3528	1	hs tstmon119fuse0 (1471)	—	—
3529	3529	1	hs tstmon118fuse0 (1470)	—	—
3530	3530	1	hs tstmon117fuse0 (1468)	—	—
3531	3531	1	hs tstmon116fuse0 (1467)	—	—
3532	3532	1	hs tstmon115fuse0 (1466)	—	—
3533	3533	1	hs tstmon114fuse0 (1464)	—	—
3534	3534	1	hs tstmon113fuse0 (1463)	—	—
3535	3535	1	hs tstmon112fuse0 (1462)	—	—
3536	3536	1	hs tstmon111fuse0 (1460)	—	—
3537	3537	1	hs tstmon110fuse0 (1459)	—	—
3538	3538	1	hs tstmon109fuse0 (1456)	—	—
3539	3539	1	hs tstmon108fuse0 (1455)	—	—
3540	3540	1	hs tstmon107fuse0 (1454)	—	—
3541	3541	1	hs tstmon106fuse0 (1452)	—	—
3542	3542	1	hs tstmon105fuse0 (1451)	—	—
3543	3543	1	hs tstmon104fuse0 (1450)	—	—
3544	3544	1	hs tstmon103fuse0 (1448)	—	—
3545	3545	1	hs tstmon102fuse0 (1447)	—	—
3546	3546	1	hs tstmon101fuse0 (1446)	—	—
3547	3547	1	hs tstmon100fuse0 (1444)	—	—
3548	3548	1	hs tstmon99fuse0 (1620)	—	—
3549	3549	1	hs tstmon98fuse0 (1619)	—	—
3550	3550	1	hs tstmon97fuse0 (1618)	—	—
3551	3551	1	hs tstmon96fuse0 (1616)	—	—
3552	3552	1	hs tstmon95fuse0 (1615)	—	—
3553	3553	1	hs tstmon94fuse0 (1614)	—	—
3554	3554	1	hs tstmon93fuse0 (1612)	—	—
3555	3555	1	hs tstmon92fuse0 (1611)	—	—
3556	3556	1	hs tstmon91fuse0 (1610)	—	—
3557	3557	1	hs tstmon90fuse0 (1608)	—	—
3558	3558	1	hs tstmon89fuse0 (1606)	—	—
3559	3559	1	hs tstmon88fuse0 (1604)	—	—
3560	3560	1	hs tstmon87fuse0 (1603)	—	—
3561	3561	1	hs tstmon86fuse0 (1602)	—	—
3562	3562	1	hs tstmon85fuse0 (1600)	—	—
3563	3563	1	hs tstmon84fuse0 (1599)	—	—
3564	3564	1	hs tstmon83fuse0 (1598)	—	—
3565	3565	1	hs tstmon82fuse0 (1596)	—	—
3566	3566	1	hs tstmon81fuse0 (1595)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3567	3567	1	hs tstmon80fuse0 (1594)	—	—
3568	3568	1	hs tstmon79fuse0 (1591)	—	—
3569	3569	1	hs tstmon78fuse0 (1590)	—	—
3570	3570	1	hs tstmon77fuse0 (1588)	—	—
3571	3571	1	hs tstmon76fuse0 (1587)	—	—
3572	3572	1	hs tstmon75fuse0 (1586)	—	—
3573	3573	1	hs tstmon74fuse0 (1584)	—	—
3574	3574	1	hs tstmon73fuse0 (1583)	—	—
3575	3575	1	hs tstmon72fuse0 (1582)	—	—
3576	3576	1	hs tstmon71fuse0 (1580)	—	—
3577	3577	1	hs tstmon70fuse0 (1579)	—	—
3578	3578	1	hs tstmon69fuse0 (1576)	—	—
3579	3579	1	hs tstmon68fuse0 (1575)	—	—
3580	3580	1	hs tstmon67fuse0 (1574)	—	—
3581	3581	1	hs tstmon66fuse0 (1572)	—	—
3582	3582	1	hs tstmon65fuse0 (1571)	—	—
3583	3583	1	hs tstmon64fuse0 (1570)	—	—
3584	3584	1	hs tstmon63fuse0 (1568)	—	—
3585	3585	1	hs tstmon62fuse0 (1567)	—	—
3586	3586	1	hs tstmon61fuse0 (1565)	—	—
3587	3587	1	hs tstmon60fuse0 (1564)	—	—
3588	3588	1	hs tstmon59fuse0 (1561)	—	—
3589	3589	1	hs tstmon58fuse0 (1559)	—	—
3590	3590	1	hs tstmon57fuse0 (1558)	—	—
3591	3591	1	hs tstmon56fuse0 (1556)	—	—
3592	3592	1	hs tstmon55fuse0 (1555)	—	—
3593	3593	1	hs tstmon54fuse0 (1553)	—	—
3594	3594	1	hs tstmon53fuse0 (1552)	—	—
3595	3595	1	hs tstmon52fuse0 (1550)	—	—
3596	3596	1	hs tstmon51fuse0 (1549)	—	—
3597	3597	1	hs tstmon50fuse0 (1547)	—	—
3598	3598	1	hs tstmon49fuse0 (1544)	—	—
3599	3599	1	hs tstmon48fuse0 (1543)	—	—
3600	3600	1	hs tstmon47fuse0 (1541)	—	—
3601	3601	1	hs tstmon46fuse0 (1540)	—	—
3602	3602	1	hs tstmon45fuse0 (1538)	—	—
3603	3603	1	hs tstmon44fuse0 (1537)	—	—
3604	3604	1	hs tstmon43fuse0 (1535)	—	—
3605	3605	1	hs tstmon42fuse0 (1534)	—	—
3606	3606	1	hs tstmon41fuse0 (1532)	—	—
3607	3607	1	hs tstmon40fuse0 (1531)	—	—
3608	3608	1	hs tstmon39fuse0 (1528)	—	—
3609	3609	1	hs tstmon38fuse0 (1526)	—	—
3610	3610	1	hs tstmon37fuse0 (1525)	—	—
3611	3611	1	hs tstmon36fuse0 (1523)	—	—
3612	3612	1	hs tstmon35fuse0 (1522)	—	—
3613	3613	1	hs tstmon34fuse0 (1520)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3614	3614	1	hs tstmon33fuse0 (1519)	—	—
3615	3615	1	hs tstmon32fuse0 (1517)	—	—
3616	3616	1	hs tstmon31fuse0 (1516)	—	—
3617	3617	1	hs tstmon30fuse0 (1514)	—	—
3618	3618	1	hs tstmon29fuse0 (1511)	—	—
3619	3619	1	hs tstmon28fuse0 (1510)	—	—
3620	3620	1	hs tstmon27fuse0 (1508)	—	—
3621	3621	1	hs tstmon26fuse0 (1507)	—	—
3622	3622	1	hs tstmon25fuse0 (1505)	—	—
3623	3623	1	hs tstmon24fuse0 (1504)	—	—
3624	3624	1	hs tstmon23fuse0 (1502)	—	—
3625	3625	1	hs tstmon22fuse0 (1501)	—	—
3626	3626	1	hs tstmon21fuse0 (1499)	—	—
3627	3627	1	hs tstmon20fuse0 (1498)	—	—
3628	3628	1	hs tstmon19fuse0 (1495)	—	—
3629	3629	1	hs tstmon18fuse0 (1493)	—	—
3630	3630	1	hs tstmon17fuse0 (1492)	—	—
3631	3631	1	hs tstmon16fuse0 (1490)	—	—
3632	3632	1	hs tstmon15fuse0 (1489)	—	—
3633	3633	1	hs tstmon14fuse0 (1487)	—	—
3634	3634	1	hs tstmon13fuse0 (1486)	—	—
3635	3635	1	hs tstmon12fuse0 (1484)	—	—
3636	3636	1	hs tstmon11fuse0 (1472)	—	—
3637	3637	1	hs tstmon10fuse0 (1458)	—	—
3638	3638	1	hs tstmon9fuse0 (1622)	—	—
3639	3639	1	hs tstmon8fuse0 (1607)	—	—
3640	3640	1	hs tstmon7fuse0 (1592)	—	—
3641	3641	1	hs tstmon6fuse0 (1578)	—	—
3642	3642	1	hs tstmon5fuse0 (1562)	—	—
3643	3643	1	hs tstmon4fuse0 (1546)	—	—
3644	3644	1	hs tstmon3fuse0 (1529)	—	—
3645	3645	1	hs tstmon2fuse0 (1513)	—	—
3646	3646	1	hs tstmon1fuse0 (1496)	—	—
3647	3647	1	hs tstmon0fuse0 (1443)	—	—
3648	3648	1	hs tstmon127fuse1 (1483)	—	—
3649	3649	1	hs tstmon126fuse1 (1482)	—	—
3650	3650	1	hs tstmon125fuse1 (1481)	—	—
3651	3651	1	hs tstmon124fuse1 (1479)	—	—
3652	3652	1	hs tstmon123fuse1 (1478)	—	—
3653	3653	1	hs tstmon122fuse1 (1477)	—	—
3654	3654	1	hs tstmon121fuse1 (1475)	—	—
3655	3655	1	hs tstmon120fuse1 (1474)	—	—
3656	3656	1	hs tstmon119fuse1 (1471)	—	—
3657	3657	1	hs tstmon118fuse1 (1470)	—	—
3658	3658	1	hs tstmon117fuse1 (1469)	—	—
3659	3659	1	hs tstmon116fuse1 (1467)	—	—
3660	3660	1	hs tstmon115fuse1 (1466)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3661	3661	1	hs tstmon114fuse1 (1465)	—	—
3662	3662	1	hs tstmon113fuse1 (1463)	—	—
3663	3663	1	hs tstmon112fuse1 (1462)	—	—
3664	3664	1	hs tstmon111fuse1 (1461)	—	—
3665	3665	1	hs tstmon110fuse1 (1459)	—	—
3666	3666	1	hs tstmon109fuse1 (1457)	—	—
3667	3667	1	hs tstmon108fuse1 (1455)	—	—
3668	3668	1	hs tstmon107fuse1 (1454)	—	—
3669	3669	1	hs tstmon106fuse1 (1453)	—	—
3670	3670	1	hs tstmon105fuse1 (1451)	—	—
3671	3671	1	hs tstmon104fuse1 (1450)	—	—
3672	3672	1	hs tstmon103fuse1 (1449)	—	—
3673	3673	1	hs tstmon102fuse1 (1447)	—	—
3674	3674	1	hs tstmon101fuse1 (1446)	—	—
3675	3675	1	hs tstmon100fuse1 (1445)	—	—
3676	3676	1	hs tstmon99fuse1 (1621)	—	—
3677	3677	1	hs tstmon98fuse1 (1619)	—	—
3678	3678	1	hs tstmon97fuse1 (1618)	—	—
3679	3679	1	hs tstmon96fuse1 (1617)	—	—
3680	3680	1	hs tstmon95fuse1 (1615)	—	—
3681	3681	1	hs tstmon94fuse1 (1614)	—	—
3682	3682	1	hs tstmon93fuse1 (1613)	—	—
3683	3683	1	hs tstmon92fuse1 (1611)	—	—
3684	3684	1	hs tstmon91fuse1 (1610)	—	—
3685	3685	1	hs tstmon90fuse1 (1609)	—	—
3686	3686	1	hs tstmon89fuse1 (1606)	—	—
3687	3687	1	hs tstmon88fuse1 (1605)	—	—
3688	3688	1	hs tstmon87fuse1 (1603)	—	—
3689	3689	1	hs tstmon86fuse1 (1602)	—	—
3690	3690	1	hs tstmon85fuse1 (1601)	—	—
3691	3691	1	hs tstmon84fuse1 (1599)	—	—
3692	3692	1	hs tstmon83fuse1 (1598)	—	—
3693	3693	1	hs tstmon82fuse1 (1597)	—	—
3694	3694	1	hs tstmon81fuse1 (1595)	—	—
3695	3695	1	hs tstmon80fuse1 (1594)	—	—
3696	3696	1	hs tstmon79fuse1 (1591)	—	—
3697	3697	1	hs tstmon78fuse1 (1590)	—	—
3698	3698	1	hs tstmon77fuse1 (1589)	—	—
3699	3699	1	hs tstmon76fuse1 (1587)	—	—
3700	3700	1	hs tstmon75fuse1 (1586)	—	—
3701	3701	1	hs tstmon74fuse1 (1585)	—	—
3702	3702	1	hs tstmon73fuse1 (1583)	—	—
3703	3703	1	hs tstmon72fuse1 (1582)	—	—
3704	3704	1	hs tstmon71fuse1 (1581)	—	—
3705	3705	1	hs tstmon70fuse1 (1579)	—	—
3706	3706	1	hs tstmon69fuse1 (1577)	—	—
3707	3707	1	hs tstmon68fuse1 (1575)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3708	3708	1	hs tstmon67fuse1 (1574)	—	—
3709	3709	1	hs tstmon66fuse1 (1573)	—	—
3710	3710	1	hs tstmon65fuse1 (1571)	—	—
3711	3711	1	hs tstmon64fuse1 (1570)	—	—
3712	3712	1	hs tstmon63fuse1 (1569)	—	—
3713	3713	1	hs tstmon62fuse1 (1567)	—	—
3714	3714	1	hs tstmon61fuse1 (1566)	—	—
3715	3715	1	hs tstmon60fuse1 (1564)	—	—
3716	3716	1	hs tstmon59fuse1 (1561)	—	—
3717	3717	1	hs tstmon58fuse1 (1560)	—	—
3718	3718	1	hs tstmon57fuse1 (1558)	—	—
3719	3719	1	hs tstmon56fuse1 (1557)	—	—
3720	3720	1	hs tstmon55fuse1 (1555)	—	—
3721	3721	1	hs tstmon54fuse1 (1554)	—	—
3722	3722	1	hs tstmon53fuse1 (1552)	—	—
3723	3723	1	hs tstmon52fuse1 (1551)	—	—
3724	3724	1	hs tstmon51fuse1 (1549)	—	—
3725	3725	1	hs tstmon50fuse1 (1548)	—	—
3726	3726	1	hs tstmon49fuse1 (1545)	—	—
3727	3727	1	hs tstmon48fuse1 (1543)	—	—
3728	3728	1	hs tstmon47fuse1 (1542)	—	—
3729	3729	1	hs tstmon46fuse1 (1540)	—	—
3730	3730	1	hs tstmon45fuse1 (1539)	—	—
3731	3731	1	hs tstmon44fuse1 (1537)	—	—
3732	3732	1	hs tstmon43fuse1 (1536)	—	—
3733	3733	1	hs tstmon42fuse1 (1534)	—	—
3734	3734	1	hs tstmon41fuse1 (1533)	—	—
3735	3735	1	hs tstmon40fuse1 (1531)	—	—
3736	3736	1	hs tstmon39fuse1 (1528)	—	—
3737	3737	1	hs tstmon38fuse1 (1527)	—	—
3738	3738	1	hs tstmon37fuse1 (1525)	—	—
3739	3739	1	hs tstmon36fuse1 (1524)	—	—
3740	3740	1	hs tstmon35fuse1 (1522)	—	—
3741	3741	1	hs tstmon34fuse1 (1521)	—	—
3742	3742	1	hs tstmon33fuse1 (1519)	—	—
3743	3743	1	hs tstmon32fuse1 (1518)	—	—
3744	3744	1	hs tstmon31fuse1 (1516)	—	—
3745	3745	1	hs tstmon30fuse1 (1515)	—	—
3746	3746	1	hs tstmon29fuse1 (1512)	—	—
3747	3747	1	hs tstmon28fuse1 (1510)	—	—
3748	3748	1	hs tstmon27fuse1 (1509)	—	—
3749	3749	1	hs tstmon26fuse1 (1507)	—	—
3750	3750	1	hs tstmon25fuse1 (1506)	—	—
3751	3751	1	hs tstmon24fuse1 (1504)	—	—
3752	3752	1	hs tstmon23fuse1 (1503)	—	—
3753	3753	1	hs tstmon22fuse1 (1501)	—	—
3754	3754	1	hs tstmon21fuse1 (1500)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3755	3755	1	hs tstmon20fuse1 (1498)	—	—
3756	3756	1	hs tstmon19fuse1 (1495)	—	—
3757	3757	1	hs tstmon18fuse1 (1494)	—	—
3758	3758	1	hs tstmon17fuse1 (1492)	—	—
3759	3759	1	hs tstmon16fuse1 (1491)	—	—
3760	3760	1	hs tstmon15fuse1 (1489)	—	—
3761	3761	1	hs tstmon14fuse1 (1488)	—	—
3762	3762	1	hs tstmon13fuse1 (1486)	—	—
3763	3763	1	hs tstmon12fuse1 (1485)	—	—
3764	3764	1	hs tstmon11fuse1 (1473)	—	—
3765	3765	1	hs tstmon10fuse1 (1458)	—	—
3766	3766	1	hs tstmon9fuse1 (1622)	—	—
3767	3767	1	hs tstmon8fuse1 (1607)	—	—
3768	3768	1	hs tstmon7fuse1 (1593)	—	—
3769	3769	1	hs tstmon6fuse1 (1578)	—	—
3770	3770	1	hs tstmon5fuse1 (1563)	—	—
3771	3771	1	hs tstmon4fuse1 (1546)	—	—
3772	3772	1	hs tstmon3fuse1 (1530)	—	—
3773	3773	1	hs tstmon2fuse1 (1513)	—	—
3774	3774	1	hs tstmon1fuse1 (1497)	—	—
3775	3775	1	hs tstmon0fuse1 (1443)	—	—
3776	3776	1	hs tstmon127fuse2 (1484)	—	—
3777	3777	1	hs tstmon126fuse2 (1482)	—	—
3778	3778	1	hs tstmon125fuse2 (1481)	—	—
3779	3779	1	hs tstmon124fuse2 (1480)	—	—
3780	3780	1	hs tstmon123fuse2 (1478)	—	—
3781	3781	1	hs tstmon122fuse2 (1477)	—	—
3782	3782	1	hs tstmon121fuse2 (1476)	—	—
3783	3783	1	hs tstmon120fuse2 (1474)	—	—
3784	3784	1	hs tstmon119fuse2 (1472)	—	—
3785	3785	1	hs tstmon118fuse2 (1470)	—	—
3786	3786	1	hs tstmon117fuse2 (1469)	—	—
3787	3787	1	hs tstmon116fuse2 (1468)	—	—
3788	3788	1	hs tstmon115fuse2 (1466)	—	—
3789	3789	1	hs tstmon114fuse2 (1465)	—	—
3790	3790	1	hs tstmon113fuse2 (1464)	—	—
3791	3791	1	hs tstmon112fuse2 (1462)	—	—
3792	3792	1	hs tstmon111fuse2 (1461)	—	—
3793	3793	1	hs tstmon110fuse2 (1460)	—	—
3794	3794	1	hs tstmon109fuse2 (1457)	—	—
3795	3795	1	hs tstmon108fuse2 (1456)	—	—
3796	3796	1	hs tstmon107fuse2 (1454)	—	—
3797	3797	1	hs tstmon106fuse2 (1453)	—	—
3798	3798	1	hs tstmon105fuse2 (1452)	—	—
3799	3799	1	hs tstmon104fuse2 (1450)	—	—
3800	3800	1	hs tstmon103fuse2 (1449)	—	—
3801	3801	1	hs tstmon102fuse2 (1448)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3802	3802	1	hs tstmon101fuse2 (1446)	—	—
3803	3803	1	hs tstmon100fuse2 (1445)	—	—
3804	3804	1	hs tstmon99fuse2 (1621)	—	—
3805	3805	1	hs tstmon98fuse2 (1620)	—	—
3806	3806	1	hs tstmon97fuse2 (1618)	—	—
3807	3807	1	hs tstmon96fuse2 (1617)	—	—
3808	3808	1	hs tstmon95fuse2 (1616)	—	—
3809	3809	1	hs tstmon94fuse2 (1614)	—	—
3810	3810	1	hs tstmon93fuse2 (1613)	—	—
3811	3811	1	hs tstmon92fuse2 (1612)	—	—
3812	3812	1	hs tstmon91fuse2 (1610)	—	—
3813	3813	1	hs tstmon90fuse2 (1609)	—	—
3814	3814	1	hs tstmon89fuse2 (1606)	—	—
3815	3815	1	hs tstmon88fuse2 (1605)	—	—
3816	3816	1	hs tstmon87fuse2 (1604)	—	—
3817	3817	1	hs tstmon86fuse2 (1602)	—	—
3818	3818	1	hs tstmon85fuse2 (1601)	—	—
3819	3819	1	hs tstmon84fuse2 (1600)	—	—
3820	3820	1	hs tstmon83fuse2 (1598)	—	—
3821	3821	1	hs tstmon82fuse2 (1597)	—	—
3822	3822	1	hs tstmon81fuse2 (1596)	—	—
3823	3823	1	hs tstmon80fuse2 (1594)	—	—
3824	3824	1	hs tstmon79fuse2 (1592)	—	—
3825	3825	1	hs tstmon78fuse2 (1590)	—	—
3826	3826	1	hs tstmon77fuse2 (1589)	—	—
3827	3827	1	hs tstmon76fuse2 (1588)	—	—
3828	3828	1	hs tstmon75fuse2 (1586)	—	—
3829	3829	1	hs tstmon74fuse2 (1585)	—	—
3830	3830	1	hs tstmon73fuse2 (1584)	—	—
3831	3831	1	hs tstmon72fuse2 (1582)	—	—
3832	3832	1	hs tstmon71fuse2 (1581)	—	—
3833	3833	1	hs tstmon70fuse2 (1580)	—	—
3834	3834	1	hs tstmon69fuse2 (1577)	—	—
3835	3835	1	hs tstmon68fuse2 (1576)	—	—
3836	3836	1	hs tstmon67fuse2 (1574)	—	—
3837	3837	1	hs tstmon66fuse2 (1573)	—	—
3838	3838	1	hs tstmon65fuse2 (1572)	—	—
3839	3839	1	hs tstmon64fuse2 (1570)	—	—
3840	3840	1	hs tstmon63fuse2 (1569)	—	—
3841	3841	1	hs tstmon62fuse2 (1567)	—	—
3842	3842	1	hs tstmon61fuse2 (1566)	—	—
3843	3843	1	hs tstmon60fuse2 (1564)	—	—
3844	3844	1	hs tstmon59fuse2 (1561)	—	—
3845	3845	1	hs tstmon58fuse2 (1560)	—	—
3846	3846	1	hs tstmon57fuse2 (1558)	—	—
3847	3847	1	hs tstmon56fuse2 (1557)	—	—
3848	3848	1	hs tstmon55fuse2 (1555)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3849	3849	1	hs tstmon54fuse2 (1554)	—	—
3850	3850	1	hs tstmon53fuse2 (1552)	—	—
3851	3851	1	hs tstmon52fuse2 (1551)	—	—
3852	3852	1	hs tstmon51fuse2 (1549)	—	—
3853	3853	1	hs tstmon50fuse2 (1548)	—	—
3854	3854	1	hs tstmon49fuse2 (1545)	—	—
3855	3855	1	hs tstmon48fuse2 (1543)	—	—
3856	3856	1	hs tstmon47fuse2 (1542)	—	—
3857	3857	1	hs tstmon46fuse2 (1540)	—	—
3858	3858	1	hs tstmon45fuse2 (1539)	—	—
3859	3859	1	hs tstmon44fuse2 (1537)	—	—
3860	3860	1	hs tstmon43fuse2 (1536)	—	—
3861	3861	1	hs tstmon42fuse2 (1534)	—	—
3862	3862	1	hs tstmon41fuse2 (1533)	—	—
3863	3863	1	hs tstmon40fuse2 (1531)	—	—
3864	3864	1	hs tstmon39fuse2 (1528)	—	—
3865	3865	1	hs tstmon38fuse2 (1527)	—	—
3866	3866	1	hs tstmon37fuse2 (1525)	—	—
3867	3867	1	hs tstmon36fuse2 (1524)	—	—
3868	3868	1	hs tstmon35fuse2 (1522)	—	—
3869	3869	1	hs tstmon34fuse2 (1521)	—	—
3870	3870	1	hs tstmon33fuse2 (1519)	—	—
3871	3871	1	hs tstmon32fuse2 (1518)	—	—
3872	3872	1	hs tstmon31fuse2 (1516)	—	—
3873	3873	1	hs tstmon30fuse2 (1515)	—	—
3874	3874	1	hs tstmon29fuse2 (1512)	—	—
3875	3875	1	hs tstmon28fuse2 (1510)	—	—
3876	3876	1	hs tstmon27fuse2 (1509)	—	—
3877	3877	1	hs tstmon26fuse2 (1507)	—	—
3878	3878	1	hs tstmon25fuse2 (1506)	—	—
3879	3879	1	hs tstmon24fuse2 (1504)	—	—
3880	3880	1	hs tstmon23fuse2 (1503)	—	—
3881	3881	1	hs tstmon22fuse2 (1501)	—	—
3882	3882	1	hs tstmon21fuse2 (1500)	—	—
3883	3883	1	hs tstmon20fuse2 (1498)	—	—
3884	3884	1	hs tstmon19fuse2 (1496)	—	—
3885	3885	1	hs tstmon18fuse2 (1494)	—	—
3886	3886	1	hs tstmon17fuse2 (1493)	—	—
3887	3887	1	hs tstmon16fuse2 (1491)	—	—
3888	3888	1	hs tstmon15fuse2 (1490)	—	—
3889	3889	1	hs tstmon14fuse2 (1488)	—	—
3890	3890	1	hs tstmon13fuse2 (1487)	—	—
3891	3891	1	hs tstmon12fuse2 (1485)	—	—
3892	3892	1	hs tstmon11fuse2 (1473)	—	—
3893	3893	1	hs tstmon10fuse2 (1458)	—	—
3894	3894	1	hs tstmon9fuse2 (1622)	—	—
3895	3895	1	hs tstmon8fuse2 (1608)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3896	3896	1	hs tstmon7fuse2 (1593)	—	—
3897	3897	1	hs tstmon6fuse2 (1578)	—	—
3898	3898	1	hs tstmon5fuse2 (1563)	—	—
3899	3899	1	hs tstmon4fuse2 (1546)	—	—
3900	3900	1	hs tstmon3fuse2 (1530)	—	—
3901	3901	1	hs tstmon2fuse2 (1513)	—	—
3902	3902	1	hs tstmon1fuse2 (1497)	—	—
3903	3903	1	hs tstmon0fuse2 (1444)	—	—
3904	3904	1	hs tstmon127fuse3 (1484)	—	—
3905	3905	1	hs tstmon126fuse3 (1483)	—	—
3906	3906	1	hs tstmon125fuse3 (1481)	—	—
3907	3907	1	hs tstmon124fuse3 (1480)	—	—
3908	3908	1	hs tstmon123fuse3 (1479)	—	—
3909	3909	1	hs tstmon122fuse3 (1477)	—	—
3910	3910	1	hs tstmon121fuse3 (1476)	—	—
3911	3911	1	hs tstmon120fuse3 (1475)	—	—
3912	3912	1	hs tstmon119fuse3 (1472)	—	—
3913	3913	1	hs tstmon118fuse3 (1471)	—	—
3914	3914	1	hs tstmon117fuse3 (1469)	—	—
3915	3915	1	hs tstmon116fuse3 (1468)	—	—
3916	3916	1	hs tstmon115fuse3 (1467)	—	—
3917	3917	1	hs tstmon114fuse3 (1465)	—	—
3918	3918	1	hs tstmon113fuse3 (1464)	—	—
3919	3919	1	hs tstmon112fuse3 (1463)	—	—
3920	3920	1	hs tstmon111fuse3 (1461)	—	—
3921	3921	1	hs tstmon110fuse3 (1460)	—	—
3922	3922	1	hs tstmon109fuse3 (1457)	—	—
3923	3923	1	hs tstmon108fuse3 (1456)	—	—
3924	3924	1	hs tstmon107fuse3 (1455)	—	—
3925	3925	1	hs tstmon106fuse3 (1453)	—	—
3926	3926	1	hs tstmon105fuse3 (1452)	—	—
3927	3927	1	hs tstmon104fuse3 (1451)	—	—
3928	3928	1	hs tstmon103fuse3 (1449)	—	—
3929	3929	1	hs tstmon102fuse3 (1448)	—	—
3930	3930	1	hs tstmon101fuse3 (1447)	—	—
3931	3931	1	hs tstmon100fuse3 (1445)	—	—
3932	3932	1	hs tstmon99fuse3 (1621)	—	—
3933	3933	1	hs tstmon98fuse3 (1620)	—	—
3934	3934	1	hs tstmon97fuse3 (1619)	—	—
3935	3935	1	hs tstmon96fuse3 (1617)	—	—
3936	3936	1	hs tstmon95fuse3 (1616)	—	—
3937	3937	1	hs tstmon94fuse3 (1615)	—	—
3938	3938	1	hs tstmon93fuse3 (1613)	—	—
3939	3939	1	hs tstmon92fuse3 (1612)	—	—
3940	3940	1	hs tstmon91fuse3 (1611)	—	—
3941	3941	1	hs tstmon90fuse3 (1609)	—	—
3942	3942	1	hs tstmon89fuse3 (1607)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3943	3943	1	hs tstmon88fuse3 (1605)	—	—
3944	3944	1	hs tstmon87fuse3 (1604)	—	—
3945	3945	1	hs tstmon86fuse3 (1603)	—	—
3946	3946	1	hs tstmon85fuse3 (1601)	—	—
3947	3947	1	hs tstmon84fuse3 (1600)	—	—
3948	3948	1	hs tstmon83fuse3 (1599)	—	—
3949	3949	1	hs tstmon82fuse3 (1597)	—	—
3950	3950	1	hs tstmon81fuse3 (1596)	—	—
3951	3951	1	hs tstmon80fuse3 (1595)	—	—
3952	3952	1	hs tstmon79fuse3 (1592)	—	—
3953	3953	1	hs tstmon78fuse3 (1591)	—	—
3954	3954	1	hs tstmon77fuse3 (1589)	—	—
3955	3955	1	hs tstmon76fuse3 (1588)	—	—
3956	3956	1	hs tstmon75fuse3 (1587)	—	—
3957	3957	1	hs tstmon74fuse3 (1585)	—	—
3958	3958	1	hs tstmon73fuse3 (1584)	—	—
3959	3959	1	hs tstmon72fuse3 (1583)	—	—
3960	3960	1	hs tstmon71fuse3 (1581)	—	—
3961	3961	1	hs tstmon70fuse3 (1580)	—	—
3962	3962	1	hs tstmon69fuse3 (1577)	—	—
3963	3963	1	hs tstmon68fuse3 (1576)	—	—
3964	3964	1	hs tstmon67fuse3 (1575)	—	—
3965	3965	1	hs tstmon66fuse3 (1573)	—	—
3966	3966	1	hs tstmon65fuse3 (1572)	—	—
3967	3967	1	hs tstmon64fuse3 (1571)	—	—
3968	3968	1	hs tstmon63fuse3 (1569)	—	—
3969	3969	1	hs tstmon62fuse3 (1568)	—	—
3970	3970	1	hs tstmon61fuse3 (1566)	—	—
3971	3971	1	hs tstmon60fuse3 (1565)	—	—
3972	3972	1	hs tstmon59fuse3 (1562)	—	—
3973	3973	1	hs tstmon58fuse3 (1560)	—	—
3974	3974	1	hs tstmon57fuse3 (1559)	—	—
3975	3975	1	hs tstmon56fuse3 (1557)	—	—
3976	3976	1	hs tstmon55fuse3 (1556)	—	—
3977	3977	1	hs tstmon54fuse3 (1554)	—	—
3978	3978	1	hs tstmon53fuse3 (1553)	—	—
3979	3979	1	hs tstmon52fuse3 (1551)	—	—
3980	3980	1	hs tstmon51fuse3 (1550)	—	—
3981	3981	1	hs tstmon50fuse3 (1548)	—	—
3982	3982	1	hs tstmon49fuse3 (1545)	—	—
3983	3983	1	hs tstmon48fuse3 (1544)	—	—
3984	3984	1	hs tstmon47fuse3 (1542)	—	—
3985	3985	1	hs tstmon46fuse3 (1541)	—	—
3986	3986	1	hs tstmon45fuse3 (1539)	—	—
3987	3987	1	hs tstmon44fuse3 (1538)	—	—
3988	3988	1	hs tstmon43fuse3 (1536)	—	—
3989	3989	1	hs tstmon42fuse3 (1535)	—	—

Packet **hs fst_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3990	3990	1	hs tstmon41fuse3 (1533)	—	—
3991	3991	1	hs tstmon40fuse3 (1532)	—	—
3992	3992	1	hs tstmon39fuse3 (1529)	—	—
3993	3993	1	hs tstmon38fuse3 (1527)	—	—
3994	3994	1	hs tstmon37fuse3 (1526)	—	—
3995	3995	1	hs tstmon36fuse3 (1524)	—	—
3996	3996	1	hs tstmon35fuse3 (1523)	—	—
3997	3997	1	hs tstmon34fuse3 (1521)	—	—
3998	3998	1	hs tstmon33fuse3 (1520)	—	—
3999	3999	1	hs tstmon32fuse3 (1518)	—	—
4000	4000	1	hs tstmon31fuse3 (1517)	—	—
4001	4001	1	hs tstmon30fuse3 (1515)	—	—
4002	4002	1	hs tstmon29fuse3 (1512)	—	—
4003	4003	1	hs tstmon28fuse3 (1511)	—	—
4004	4004	1	hs tstmon27fuse3 (1509)	—	—
4005	4005	1	hs tstmon26fuse3 (1508)	—	—
4006	4006	1	hs tstmon25fuse3 (1506)	—	—
4007	4007	1	hs tstmon24fuse3 (1505)	—	—
4008	4008	1	hs tstmon23fuse3 (1503)	—	—
4009	4009	1	hs tstmon22fuse3 (1502)	—	—
4010	4010	1	hs tstmon21fuse3 (1500)	—	—
4011	4011	1	hs tstmon20fuse3 (1499)	—	—
4012	4012	1	hs tstmon19fuse3 (1496)	—	—
4013	4013	1	hs tstmon18fuse3 (1494)	—	—
4014	4014	1	hs tstmon17fuse3 (1493)	—	—
4015	4015	1	hs tstmon16fuse3 (1491)	—	—
4016	4016	1	hs tstmon15fuse3 (1490)	—	—
4017	4017	1	hs tstmon14fuse3 (1488)	—	—
4018	4018	1	hs tstmon13fuse3 (1487)	—	—
4019	4019	1	hs tstmon12fuse3 (1485)	—	—
4020	4020	1	hs tstmon11fuse3 (1473)	—	—
4021	4021	1	hs tstmon10fuse3 (1459)	—	—
4022	4022	1	hs tstmon9fuse3 (1623)	—	—
4023	4023	1	hs tstmon8fuse3 (1608)	—	—
4024	4024	1	hs tstmon7fuse3 (1593)	—	—
4025	4025	1	hs tstmon6fuse3 (1579)	—	—
4026	4026	1	hs tstmon5fuse3 (1563)	—	—
4027	4027	1	hs tstmon4fuse3 (1547)	—	—
4028	4028	1	hs tstmon3fuse3 (1530)	—	—
4029	4029	1	hs tstmon2fuse3 (1514)	—	—
4030	4030	1	hs tstmon1fuse3 (1497)	—	—
4031	4031	1	hs tstmon0fuse3 (1444)	—	—
4032	4047	16	hs tsfsttrailingbnd (1439)	—	—

Packet size = 4048 bits (506 bytes) .

F.29 hs_sc_ev_msg

Packet Source Application Identifier

0x074 (116)

OASIS Stream Name

hs116

Description

Spacecraft Event Message

Format

Packet **hs_sc_ev_msg** Format

start bit	stop bit	size bits	field	control	method
0	15	16	hs_scevpid (1286)	—	—
16	17	2	hs_scevsflg (1287)	—	—
18	31	14	hs_scevsct (1287)	—	—
32	47	16	hs_scevppl (1287)	—	—
48	63	16	hs_scevhws (1285)	—	—
64	79	16	hs_scevlws (1286)	—	—
80	95	16	hs_scevhwss (1285)	—	—
96	111	16	hs_scevlwss (1286)	—	—
112	159	48	hs_evmnemonic (1244)	—	—
160	639	480	hs_evmsg (1245)	—	—

Packet size = 640 bits (80 bytes) .

F.30 hs slw_sup_pkt

Packet Source Application Identifier

0x075 (117)

OASIS Stream Name

hs117

Description

HS Slow Telemetry (SID 0x875)

Format

Packet **hs slw_sup_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	hs slwspkthdrpid (1403)	—	—
16	17	2	hs slwspkthdrsfld (1402)	—	—
18	31	14	hs slwspkthdrscf (1403)	—	—
32	47	16	hs slwspkthdrpl (1403)	—	—
48	63	16	hs slwspkthshws (1404)	—	—
64	79	16	hs slwspkthslws (1404)	—	—
80	95	16	hs slwspkthshwss (1404)	—	—
96	111	16	hs slwspkthslwss (1405)	—	—
112	127	16	hs acfstlmdropped (1206)	—	—
128	143	16	hs cscodesum (1224)	—	—
144	159	16	hs csstaticsum (1228)	—	—
160	175	16	hs cseepsum (1225)	—	—
176	191	16	hs cscodesegerrs (1224)	—	—
192	207	16	hs csstaticerrs (1229)	—	—
208	223	16	hs cseeerrs (1225)	—	—
224	255	32	hs cslstcodeerradr (1227)	—	—
256	271	16	hs cslstaticerrid (1227)	—	—
272	303	32	hs cslsteerradr (1228)	—	—
304	335	32	hs cseeprrhamerrcnt (1226)	—	—
336	367	32	hs cseeprrlasterradd (1226)	—	—
368	383	16	hs dislwdummy (1237)	—	—
384	384	1	hs dshkslwsp1 (1240)	—	—
385	385	1	hs dspbkpaused (1241)	—	—
386	389	4	hs dshkslwsp2 (1240)	—	—
390	399	10	hs dshkslwsp3 (1240)	—	—
400	415	16	hs swcarderrcnt (1417)	—	—
416	431	16	hs shntcarderrcnt (1402)	—	—
432	447	16	hs acexcnt (1206)	—	—
448	463	16	hs adexcnt (1207)	—	—
464	479	16	hs agexcnt (1208)	—	—
480	495	16	hs anexcnt (1208)	—	—
496	511	16	hs csexcnt (1226)	—	—
512	527	16	hs diexcnt (1235)	—	—
528	543	16	hs dsexcnt (1239)	—	—

Packet **hs slw_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	hs epexcnt (1244)	—	—
560	575	16	hs hsexcnt (1252)	—	—
576	591	16	hs itexcnt (1253)	—	—
592	607	16	hs msexcnt (1261)	—	—
608	623	16	hs s1excnt (1272)	—	—
624	639	16	hs s2excnt (1273)	—	—
640	655	16	hs sbexcnt (1275)	—	—
656	671	16	hs scexcnt (1288)	—	—
672	687	16	hs smexcnt (1407)	—	—
688	703	16	hs tcexcnt (1420)	—	—
704	719	16	hs tgexcnt (1426)	—	—
720	735	16	hs toexcnt (1433)	—	—
736	751	16	hs tpexcnt (1436)	—	—
752	767	16	hs xbexcnt (1707)	—	—
768	783	16	hs tsexcnt (1438)	—	—
784	791	8	hs peakcpuutil (1270)	—	—
792	799	8	hs lstcpuutil (1255)	—	—
800	815	16	hs coldwarmflg (1220)	—	—
816	831	16	hs oscausedrst (1268)	—	—
832	847	16	hs vrtxtickcnt (1695)	—	—
848	863	16	hs lsteveqno (1255)	—	—
864	879	16	hs taexcnt (1418)	—	—
880	895	16	hs msdbecnt (1260)	—	—
896	903	8	hs sbsndrcnt (1279)	—	—
904	911	8	hs sbreceiveerrcnt (1279)	—	—
912	919	8	hs sboserrcnt (1277)	—	—
920	927	8	hs sbquefulerrcnt (1277)	—	—
928	943	16	hs sbbufforunerrcnt (1274)	—	—
944	959	16	hs sborunetid (1276)	—	—
960	975	16	hs sborunpipeid (1275)	—	—
976	991	16	hs sborunsndtskid (1276)	—	—
992	1007	16	hs sbquefuletid (1279)	—	—
1008	1023	16	hs sbquefulpipeid (1278)	—	—
1024	1039	16	hs sbquefulsndtskid (1278)	—	—
1040	1055	16	hs scatscmdctr (1283)	—	—
1056	1071	16	hs scatscmderrctr (1283)	—	—
1072	1087	16	hs scrtsmdctr (1290)	—	—
1088	1103	16	hs scrtsmderrctr (1291)	—	—
1104	1119	16	hs lstaterrseq (1254)	—	—
1120	1135	16	hs lstaterrcmd (1254)	—	—
1136	1151	16	hs lstrtserrseq (1256)	—	—
1152	1167	16	hs lstrtserrcmdoset (1255)	—	—
1168	1199	32	hs smldstadr (1409)	—	—
1200	1231	32	hs smldcrc (1409)	—	—
1232	1247	16	hs tcslwdummy (1421)	—	—
1248	1263	16	hs tgsppktst0 (1427)	—	—
1264	1279	16	hs tgsppktst1 (1428)	—	—

Packet **hs slw_sup_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	hs tgsppktst2 (1429)	—	—
1296	1311	16	hs tgsppktst3 (1429)	—	—
1312	1327	16	hs todmpingapid (1432)	—	—
1328	1343	16	hs tonumpktstodmp (1434)	—	—
1344	1359	16	hs tonumpktsent (1434)	—	—
1360	1375	16	hs todroppedpkts (1432)	—	—
1376	1391	16	hs tobuftsinese (1430)	—	—
1392	1407	16	hs tpslwdummy (1437)	—	—
1408	1415	8	hs xbbussel0 (1700)	—	—
1416	1423	8	hs xberr0 (1705)	—	—
1424	1431	8	hs xbcmdok0 (1704)	—	—
1432	1439	8	hs xbcmderr0 (1702)	—	—
1440	1447	8	hs xbbussel1 (1700)	—	—
1448	1455	8	hs xberr1 (1705)	—	—
1456	1463	8	hs xbcmdok1 (1704)	—	—
1464	1471	8	hs xbcmderr1 (1703)	—	—
1472	1479	8	hs xbbussel2 (1701)	—	—
1480	1487	8	hs xberr2 (1706)	—	—
1488	1495	8	hs xbcmdok2 (1704)	—	—
1496	1503	8	hs xbcmderr2 (1703)	—	—
1504	1511	8	hs xbbussel3 (1701)	—	—
1512	1519	8	hs xberr3 (1706)	—	—
1520	1527	8	hs xbcmdok3 (1705)	—	—
1528	1535	8	hs xbcmderr3 (1703)	—	—
1536	1551	16	hs tsslwtrailingbnd (1441)	—	—

Packet size = 1552 bits (194 bytes) .

F.31 hs_ul_crit_tlm_pkt

Packet Source Application Identifier

0x062 (98)

OASIS Stream Name

hs98

Description

This is the Critical Telemetry packet that the OBC receives from the Uplink, SI

Format

Packet **hs_ul_crit_tlm_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	hs_crittlmpid (1221)	—	—
16	17	2	hs_crittlmsflg (1222)	—	—
18	31	14	hs_crittlmsct (1222)	—	—
32	47	16	hs_crittlmpl (1222)	—	—
48	63	16	hs_crittlmhws (1220)	—	—
64	79	16	hs_crittlmlws (1221)	—	—
80	95	16	hs_crittlmhwss (1220)	—	—
96	111	16	hs_crittlmlwss (1221)	—	—
112	112	1	hs_cswpasst (1230)	—	—
113	113	1	hs_cswpasseqst (1230)	—	—
114	114	1	hs_cswlioerrst (1229)	—	—
115	115	1	hs_cswswst (1234)	—	—
116	116	1	hs_cswswerrst (1234)	—	—
117	117	1	hs_cswsp5 (1232)	—	—
118	118	1	hs_cswsp6 (1233)	—	—
119	119	1	hs_cswsp7 (1233)	—	—
120	120	1	hs_cswsp8 (1233)	—	—
121	121	1	hs_cswsp9 (1234)	—	—
122	122	1	hs_cswsp10 (1230)	—	—
123	123	1	hs_cswsp11 (1231)	—	—
124	124	1	hs_cswsp12 (1231)	—	—
125	125	1	hs_cswsp13 (1231)	—	—
126	126	1	hs_cswsp14 (1232)	—	—
127	127	1	hs_cswsp15 (1232)	—	—
128	130	3	hs_ccwbootpath (1212)	—	—
131	131	1	hs_ccwsp3 (1215)	—	—
132	132	1	hs_ccwsp4 (1215)	—	—
133	133	1	hs_ccwsp5 (1215)	—	—
134	134	1	hs_ccwsp6 (1216)	—	—
135	135	1	hs_ccwsp7 (1216)	—	—
136	136	1	hs_ccwsp8 (1216)	—	—
137	137	1	hs_ccwsp9 (1217)	—	—
138	138	1	hs_ccwsp10 (1213)	—	—
139	139	1	hs_ccwsp11 (1213)	—	—

Packet **hs_ul_crit_tlm_pkt** Format, cont'd

start bit	stop bit	size bits	field		
140	140	1	hs_ccwsp12 (1213)	–	–
141	141	1	hs_ccwsp13 (1214)	–	–
142	142	1	hs_ccwsp14 (1214)	–	–
143	143	1	hs_ccwsp15 (1214)	–	–
144	144	1	hs_apeinsafhlda (1209)	–	–
145	145	1	hs_apeinsafhldb (1210)	–	–
146	146	1	hs_apeuprocstata (1211)	–	–
147	147	1	hs_apeuprocstatb (1211)	–	–
148	148	1	hs_apesunaqa (1210)	–	–
149	149	1	hs_apesunaqb (1211)	–	–
150	150	1	hs_apecritstata (1209)	–	–
151	151	1	hs_sevenmintmr (1402)	–	–
152	152	1	hs_stg3sep3sw (1415)	–	–
153	153	1	hs_apecritstatb (1209)	–	–
154	155	2	hs_apesafhldarmplg (1210)	–	–
156	156	1	hs_ceuselfcont5hz (1217)	–	–
157	157	1	hs_ceuxmtrselmate (1217)	–	–
158	158	1	hs_discrittlmsp14 (1236)	–	–
159	159	1	hs_discrittlmsp15 (1236)	–	–
160	160	1	hs_actcmdchan (1207)	–	–
161	161	1	hs_eeprotect (1243)	–	–
162	162	1	hs_cmdch1ppstat (1218)	–	–
163	163	1	hs_norfpresentb (1266)	–	–
164	164	1	hs_nobitlckb (1266)	–	–
165	165	1	hs_syncsearchb (1417)	–	–
166	166	1	hs_obcwdxexpired (1268)	–	–
167	167	1	hs_obcheartbeat (1267)	–	–
168	168	1	hs_obcpwron (1267)	–	–
169	169	1	hs_stg3sep1sw (1414)	–	–
170	170	1	hs_stg3sep2sw (1414)	–	–
171	171	1	hs_hardlinenotend (1251)	–	–
172	172	1	hs_bothchansrecgd (1212)	–	–
173	175	3	hs_uprocrsttmr (1672)	–	–
176	178	3	hs_miscflgps1513 (1257)	–	–
179	183	5	hs_vcdurate (1672)	–	–
184	184	1	hs_scsaerrflg (1400)	–	–
185	185	1	hs_obcwdrsten (1268)	–	–
186	188	3	hs_miscflgps53 (1258)	–	–
189	189	1	hs_obchlpnd (1267)	–	–
190	190	1	hs_pegend (1270)	–	–
191	191	1	hs_miscflgps0 (1257)	–	–
192	207	16	hs_rstcnt (1271)	–	–
208	223	16	hs_totalfrmcnt (1435)	–	–
224	239	16	hs_frmcnta (1245)	–	–
240	255	16	hs_frmcntb (1246)	–	–
256	271	16	hs_frmrjct (1246)	–	–
272	272	1	hs_sp (1413)	–	–

Packet **hs_ul_crit_tlm_pkt** Format, cont'd

start bit	stop bit	size bits	field		
273	273	1	hs_preferredchannel (1271)	—	—
274	274	1	hs_norfpresenta (1266)	—	—
275	275	1	hs_nobitlcka (1265)	—	—
276	276	1	hs_syncsearcha (1417)	—	—
277	287	11	hs_frmrejcode (1246)	—	—
288	303	16	hs_ct (1235)	—	—
304	319	16	hs_cmdrjct (1219)	—	—
320	335	16	hs_cmdrejcode (1218)	—	—
336	351	16	hs_gscct (1250)	—	—
352	367	16	hs_gscrjct (1251)	—	—
368	383	16	hs_gscrejcode (1251)	—	—
384	399	16	hs_ngscct (1264)	—	—
400	415	16	hs_ngscrjct (1265)	—	—
416	431	16	hs_ngscrejcode (1265)	—	—
432	447	16	hs_s1msgcnt (1272)	—	—
448	463	16	hs_s1msgrjct (1273)	—	—
464	479	16	hs_s1msgrejcode (1272)	—	—
480	495	16	hs_scsamsgcnt (1400)	—	—
496	511	16	hs_scsamsgrjct (1401)	—	—
512	527	16	hs_scsamsgrejcode (1401)	—	—
528	543	16	hs_svcacnt (1415)	—	—
544	559	16	hs_svcarrcnt (1415)	—	—
560	575	16	hs_svcnt (1416)	—	—
576	591	16	hs_sverrcnt (1416)	—	—
592	607	16	hs_sverrstat (1416)	—	—
608	623	16	hs_pcct (1269)	—	—
624	639	16	hs_pcrrcnt (1269)	—	—
640	655	16	hs_pcrrstat (1269)	—	—
656	687	32	hs_tcxolopnlpfreq (1425)	—	—
688	703	16	hs_tcxolopnlfracct (1424)	—	—
704	735	32	hs_tcxonext1hzfreq (1425)	—	—

Packet size = 736 bits (92 bytes) .

F.32 pg hktlm

Packet Source Application Identifier

0x026 (38)

OASIS Stream Name

pg38

Description

PG Housekeeping Tlm 0x0826

Format

Packet **pg hktlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	pg hktlmpid (1781)	–	–
16	17	2	pg hktlmsflg (1782)	–	–
18	31	14	pg hktlmsct (1781)	–	–
32	47	16	pg hktlmpl (1781)	–	–
48	63	16	pg hktlmhws (1779)	–	–
64	79	16	pg hktlmhws (1780)	–	–
80	95	16	pg hktlmhws (1780)	–	–
96	111	16	pg hktlmhws (1780)	–	–
112	127	16	pg dg1hzcnt (1769)	–	–
128	143	16	pg dghktlmcnt (1770)	–	–
144	159	16	pg dgsvcnt (1772)	–	–
160	175	16	pg dgtlmtpeget (1772)	–	–
176	191	16	pg dgtlmtpegrjct (1773)	–	–
192	207	16	pg dgtskct (1773)	–	–
208	223	16	pg dgtskcmdrjct (1773)	–	–
224	239	16	pg dgpegtlmdlcnt (1771)	–	–
240	255	16	pg dgpegtlmdlerrcnt (1771)	–	–
256	271	16	pg dgtxct (1774)	–	–
272	287	16	pg dgtxhsswtect (1774)	–	–
288	303	16	pg dgtxhsswteerrcnt (1774)	–	–
304	319	16	pg dgrxhsswrrscnt (1771)	–	–
320	335	16	pg dghsswrretokcnt (1770)	–	–
336	351	16	pg dghsswrreterrnt (1770)	–	–
352	367	16	pg dgtlmrstcnt (1772)	–	–
368	375	8	pg pegtlmend (1798)	–	–
376	383	8	pg svloopbakend (1854)	–	–
384	399	16	pg xbcipscritrcnt (1920)	–	–
400	415	16	pg xbcipstlmrcnt (1921)	–	–
416	431	16	pg xbsofiecritrcnt (1921)	–	–
432	447	16	pg xbsofietlmrcnt (1921)	–	–
448	463	16	pg good_sbsend_cnt (1779)	–	–
464	479	16	pg bad_sbsend_cnt (1742)	–	–
480	495	16	pg maxsubpktallow (1789)	–	–
496	511	16	pg PG200_error_cnt (1713)	–	–

Packet **pg hktlm** Format, cont'd

start bit	stop bit	size bits	field		
512	527	16	pg PG201_error_cnt (1714)	–	–
528	543	16	pg PG202_error_cnt (1714)	–	–
544	559	16	pg PG203_error_cnt (1714)	–	–

Packet size = 560 bits (70 bytes) .

F.33 pg pegsvtln

Packet Source Application Identifier

0x05b (91)

OASIS Stream Name

pg91

Description

PG Pegasus State Vector Tlm 0x085d

Format

Packet **pg pegsvtln** Format

start bit	stop bit	size bits	field	control	method
0	15	16	pg pegsvtlnpid (1797)	—	—
16	17	2	pg pegsvtlnsflg (1798)	—	—
18	31	14	pg pegsvtlnsct (1797)	—	—
32	47	16	pg pegsvtlnpl (1797)	—	—
48	63	16	pg pegsvtlnhws (1795)	—	—
64	79	16	pg pegsvtlnlws (1796)	—	—
80	95	16	pg pegsvtlnhwss (1796)	—	—
96	111	16	pg pegsvtlnlwss (1796)	—	—
112	127	16	pg vindex (1889)	—	—
128	143	16	pg vs0pgpegsvlen (1891)	—	—
144	159	16	pg vs0pgpegsvtrgt (1894)	—	—
160	175	16	pg vs0pgpegsvsource (1894)	—	—
176	183	8	pg vs0pgpegsvcont (1890)	—	—
184	191	8	pg vs0pgpegsvseq (1893)	—	—
192	199	8	pg vs0pgpegsvfun (1890)	—	—
200	207	8	pg vs0pgpegsvsubfun (1894)	—	—
208	223	16	pg vs0pgpegsvweek (1895)	—	—
224	255	32	pg vs0pgpegsvgpstm (1891)	—	—
256	319	64	pg vs0pgpegsvxpos (1895)	—	—
320	383	64	pg vs0pgpegsvypos (1896)	—	—
384	447	64	pg vs0pgpegsvzpos (1897)	—	—
448	511	64	pg vs0pgpegsvxvel (1895)	—	—
512	575	64	pg vs0pgpegsvyvel (1896)	—	—
576	639	64	pg vs0pgpegsvzvel (1897)	—	—
640	703	64	pg vs0pgpegsvq0 (1892)	—	—
704	767	64	pg vs0pgpegsvq1 (1892)	—	—
768	831	64	pg vs0pgpegsvq2 (1892)	—	—
832	895	64	pg vs0pgpegsvq3 (1893)	—	—
896	959	64	pg vs0pgpegsvroll (1893)	—	—
960	1023	64	pg vs0pgpegsvpitch (1891)	—	—
1024	1087	64	pg vs0pgpegsvyaw (1896)	—	—
1088	1103	16	pg vs0pgpegsvcsum (1890)	—	—
1104	1119	16	pg vs1pgpegsvlen (1899)	—	—
1120	1135	16	pg vs1pgpegsvtrgt (1902)	—	—

Packet **pg pegsvtln** Format, cont'd

start bit	stop bit	size bits	field		
1136	1151	16	pg vs1pgpegsvsource (1901)	—	—
1152	1159	8	pg vs1pgpegsvcont (1897)	—	—
1160	1167	8	pg vs1pgpegsvseq (1901)	—	—
1168	1175	8	pg vs1pgpegsvfun (1898)	—	—
1176	1183	8	pg vs1pgpegsvsubfun (1902)	—	—
1184	1199	16	pg vs1pgpegsvweek (1902)	—	—
1200	1231	32	pg vs1pgpegsvgpstm (1898)	—	—
1232	1295	64	pg vs1pgpegsvxpos (1903)	—	—
1296	1359	64	pg vs1pgpegsvypos (1904)	—	—
1360	1423	64	pg vs1pgpegsvzpos (1904)	—	—
1424	1487	64	pg vs1pgpegsvxvel (1903)	—	—
1488	1551	64	pg vs1pgpegsvyvel (1904)	—	—
1552	1615	64	pg vs1pgpegsvzvel (1905)	—	—
1616	1679	64	pg vs1pgpegsvq0 (1899)	—	—
1680	1743	64	pg vs1pgpegsvq1 (1900)	—	—
1744	1807	64	pg vs1pgpegsvq2 (1900)	—	—
1808	1871	64	pg vs1pgpegsvq3 (1900)	—	—
1872	1935	64	pg vs1pgpegsvroll (1901)	—	—
1936	1999	64	pg vs1pgpegsvpitch (1899)	—	—
2000	2063	64	pg vs1pgpegsvyaw (1903)	—	—
2064	2079	16	pg vs1pgpegsvcsum (1898)	—	—
2080	2095	16	pg vs2pgpegsvlen (1906)	—	—
2096	2111	16	pg vs2pgpegsvtrgt (1910)	—	—
2112	2127	16	pg vs2pgpegsvsource (1909)	—	—
2128	2135	8	pg vs2pgpegsvcont (1905)	—	—
2136	2143	8	pg vs2pgpegsvseq (1909)	—	—
2144	2151	8	pg vs2pgpegsvfun (1906)	—	—
2152	2159	8	pg vs2pgpegsvsubfun (1909)	—	—
2160	2175	16	pg vs2pgpegsvweek (1910)	—	—
2176	2207	32	pg vs2pgpegsvgpstm (1906)	—	—
2208	2271	64	pg vs2pgpegsvxpos (1910)	—	—
2272	2335	64	pg vs2pgpegsvypos (1911)	—	—
2336	2399	64	pg vs2pgpegsvzpos (1912)	—	—
2400	2463	64	pg vs2pgpegsvxvel (1911)	—	—
2464	2527	64	pg vs2pgpegsvyvel (1912)	—	—
2528	2591	64	pg vs2pgpegsvzvel (1912)	—	—
2592	2655	64	pg vs2pgpegsvq0 (1907)	—	—
2656	2719	64	pg vs2pgpegsvq1 (1907)	—	—
2720	2783	64	pg vs2pgpegsvq2 (1908)	—	—
2784	2847	64	pg vs2pgpegsvq3 (1908)	—	—
2848	2911	64	pg vs2pgpegsvroll (1908)	—	—
2912	2975	64	pg vs2pgpegsvpitch (1907)	—	—
2976	3039	64	pg vs2pgpegsvyaw (1911)	—	—
3040	3055	16	pg vs2pgpegsvcsum (1905)	—	—
3056	3071	16	pg vs3pgpegsvlen (1914)	—	—
3072	3087	16	pg vs3pgpegsvtrgt (1917)	—	—
3088	3103	16	pg vs3pgpegsvsource (1917)	—	—

Packet **pg pegsvtlm** Format, cont'd

start bit	stop bit	size bits	field		
3104	3111	8	pg vs3pgpegsvcont (1913)	—	—
3112	3119	8	pg vs3pgpegsvseq (1916)	—	—
3120	3127	8	pg vs3pgpegsvfun (1913)	—	—
3128	3135	8	pg vs3pgpegsvsubfun (1917)	—	—
3136	3151	16	pg vs3pgpegsvweek (1918)	—	—
3152	3183	32	pg vs3pgpegsvgpstm (1914)	—	—
3184	3247	64	pg vs3pgpegsvxpos (1918)	—	—
3248	3311	64	pg vs3pgpegsvypos (1919)	—	—
3312	3375	64	pg vs3pgpegsvzpos (1920)	—	—
3376	3439	64	pg vs3pgpegsvxvel (1918)	—	—
3440	3503	64	pg vs3pgpegsvyvel (1919)	—	—
3504	3567	64	pg vs3pgpegsvzvel (1920)	—	—
3568	3631	64	pg vs3pgpegsvq0 (1915)	—	—
3632	3695	64	pg vs3pgpegsvq1 (1915)	—	—
3696	3759	64	pg vs3pgpegsvq2 (1915)	—	—
3760	3823	64	pg vs3pgpegsvq3 (1916)	—	—
3824	3887	64	pg vs3pgpegsvroll (1916)	—	—
3888	3951	64	pg vs3pgpegsvpitch (1914)	—	—
3952	4015	64	pg vs3pgpegsvyaw (1919)	—	—
4016	4031	16	pg vs3pgpegsvcsum (1913)	—	—

Packet size = 4032 bits (504 bytes) .

F.34 pg pegtln

Packet Source Application Identifier

0x05c (92)

OASIS Stream Name

pg92

Description

This is a copy of the 200 byte telemetry packet sent to the Pegasus launch vehi

Format

Packet **pg pegtln** Format

start bit	stop bit	size bits	field	control	method
0	15	16	pg tlnpid (1862)	—	—
16	17	2	pg tlmsflg (1863)	—	—
18	31	14	pg tlmsct (1863)	—	—
32	47	16	pg tlnpl (1862)	—	—
48	63	16	pg tlnhws (1861)	—	—
64	79	16	pg tlnlws (1861)	—	—
80	95	16	pg tlnhwss (1861)	—	—
96	111	16	pg tlnlwss (1862)	—	—
112	112	1	pg ulcswpasst (1873)	—	—
113	113	1	pg ulcswpasseqst (1873)	—	—
114	114	1	pg ulcswlioerrst (1873)	—	—
115	115	1	pg ulcswswst (1874)	—	—
116	116	1	pg ulcswswerrst (1874)	—	—
117	119	3	pg ulcswsps (1874)	—	—
120	122	3	pg ulccwbootpath (1870)	—	—
123	127	5	pg ulccwsp (1871)	—	—
128	128	1	pg apeinsafhlida (1739)	—	—
129	129	1	pg apeinsafhlida (1740)	—	—
130	130	1	pg apeuprocstata (1741)	—	—
131	131	1	pg apeuprocstatb (1741)	—	—
132	132	1	pg apesunaqa (1740)	—	—
133	133	1	pg apesunaqb (1741)	—	—
134	134	1	pg apesunac (1739)	—	—
135	135	1	pg ulsevenmintmr (1885)	—	—
136	136	1	pg ulstg3sep3sw (1886)	—	—
137	137	1	pg apesunac (1739)	—	—
138	138	1	pg apeafhldarmplg1 (1735)	—	—
139	139	1	pg apeafhldarmplg2 (1735)	—	—
140	140	1	pg ulceuselfcont5hz (1871)	—	—
141	141	1	pg ulceuxmtrselmate (1871)	—	—
142	142	1	pg uldiscrittms14 (1875)	—	—
143	143	1	pg uldiscrittms15 (1875)	—	—
144	144	1	pg ulactcmdchan (1869)	—	—
145	145	1	pg uleepprotect (1876)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
146	146	1	pg ulcmdch1ppstat (1872)	—	—
147	147	1	pg ulnorfpresentb (1880)	—	—
148	148	1	pg ulnoblckb (1880)	—	—
149	149	1	pg ulsyncsearchb (1887)	—	—
150	150	1	pg ulobcwwdexpired (1882)	—	—
151	151	1	pg ulobcheartbeat (1880)	—	—
152	152	1	pg ulobcpwron (1881)	—	—
153	153	1	pg ulstg3sep1sw (1885)	—	—
154	154	1	pg ulstg3sep2sw (1885)	—	—
155	155	1	pg ulhardlinenotend (1878)	—	—
156	156	1	pg ulbothchansrecgd (1870)	—	—
157	159	3	pg uluprocrsttmr (1888)	—	—
160	162	3	pg ulmiscfgs1513 (1879)	—	—
163	167	5	pg ulvcdurate (1888)	—	—
168	168	1	pg ulscsaerrflg (1883)	—	—
169	169	1	pg ulobcwwdrsten (1882)	—	—
170	172	3	pg ulmiscflgsp53 (1879)	—	—
173	173	1	pg ulobchlpnd (1881)	—	—
174	174	1	pg ulpegend (1883)	—	—
175	175	1	pg ulmiscflgsp0 (1879)	—	—
176	183	8	pg ulrstcnt (1883)	—	—
184	191	8	pg ultotalfrmcnt (1887)	—	—
192	199	8	pg ulfrmcnta (1876)	—	—
200	207	8	pg ulfrmrjct (1876)	—	—
208	215	8	pg ulct (1875)	—	—
216	223	8	pg ulcmdrjct (1872)	—	—
224	231	8	pg ulgscct (1877)	—	—
232	239	8	pg ulgscrjct (1877)	—	—
240	247	8	pg ulhss1msgcnt (1878)	—	—
248	255	8	pg ulhss1rjct (1878)	—	—
256	263	8	pg ulscsamsgcnt (1884)	—	—
264	271	8	pg ulscsamgrjct (1884)	—	—
272	287	16	pg ulsvcnt (1886)	—	—
288	295	8	pg ulsverrcnt (1887)	—	—
296	296	1	pg dacrddefinedw2af (1769)	—	—
297	297	1	pg flushnotemptw2af (1779)	—	—
298	298	1	pg tlmfechoffw2af (1860)	—	—
299	299	1	pg dacdrstw2af (1769)	—	—
300	300	1	pg tmdfforunw2af (1863)	—	—
301	301	1	pg cmdfwrmtdisw2af (1768)	—	—
302	302	1	pg cmdeqer1553w2af (1767)	—	—
303	303	1	pg bus2khzpherrw2af (1757)	—	—
304	304	1	pg tmdffunrunw2af (1864)	—	—
305	305	1	pg cmdfforunw2af (1768)	—	—
306	306	1	pg tmrfforunw2af (1864)	—	—
307	307	1	pg pulsecmdornw2af (1806)	—	—
308	308	1	pg cmdeqerdcrdw2af (1767)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
309	309	1	pg updiscninvw2af (1889)	—	—
310	310	1	pg f2outoflckw2af (1778)	—	—
311	311	1	pg f1outoflckw2af (1778)	—	—
312	318	7	pg epsoftsp1 (1777)	—	—
319	319	1	pg batchgst (1744)	—	—
320	325	6	pg epsoftsp5 (1778)	—	—
326	327	2	pg epbatchgmd (1775)	—	—
328	332	5	pg epsoftsp2 (1777)	—	—
333	335	3	pg epldshedlevel (1776)	—	—
336	367	32	pg epclacedsoc (1775)	—	—
368	370	3	pg epsoftsp4 (1777)	—	—
371	375	5	pg epdcshntindex (1776)	—	—
376	379	4	pg a2w1id (1715)	—	—
380	380	1	pg cdepwpr (1760)	—	—
381	381	1	pg mtbxpwra (1790)	—	—
382	382	1	pg txrtcdhgpr (1868)	—	—
383	383	1	pg txcdoff (1866)	—	—
384	384	1	pg rwazpwr (1815)	—	—
385	385	1	pg txpwpr (1867)	—	—
386	386	1	pg rwaxpwr (1814)	—	—
387	387	1	pg iru12pwr (1783)	—	—
388	388	1	pg phtrensurvbatpre (1799)	—	—
389	389	1	pg tcvrrwazophtpwen (1860)	—	—
390	390	1	pg ceuancrit (1765)	—	—
391	391	1	pg phtrenbatoper (1798)	—	—
392	395	4	pg a2w2id (1716)	—	—
396	396	1	pg a2w2s24sp (1718)	—	—
397	397	1	pg a2w2s23sp (1718)	—	—
398	398	1	pg a2w2s22sp (1717)	—	—
399	399	1	pg a2w2s21sp (1717)	—	—
400	400	1	pg a2w2s20sp (1717)	—	—
401	401	1	pg a2w2s19sp (1716)	—	—
402	402	1	pg pri2htrgcbat (1806)	—	—
403	403	1	pg a2w2s17sp (1716)	—	—
404	404	1	pg phtrgcst1 (1800)	—	—
405	405	1	pg a2w2b2sp (1715)	—	—
406	406	1	pg pri1htrgcbat (1805)	—	—
407	407	1	pg txcdonpr (1866)	—	—
408	411	4	pg a2w3id (1718)	—	—
412	412	1	pg sapnpxdppr_cant (1822)	—	—
413	413	1	pg sapnnxpydppr (1821)	—	—
414	414	1	pg sapnnx_nxnydppr (1820)	—	—
415	415	1	pg sapnpxpypxnydppr (1823)	—	—
416	416	1	pg sofiecvpwenpr (1832)	—	—
417	417	1	pg sadppwenpr (1819)	—	—
418	418	1	pg a2w3s30sp (1720)	—	—
419	419	1	pg a2w3s29sp (1720)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
420	420	1	pg a2w3s28sp (1720)	—	—
421	421	1	pg a2w3s27sp (1719)	—	—
422	422	1	pg a2w3s26sp (1719)	—	—
423	423	1	pg a2w3s25sp (1719)	—	—
424	427	4	pg a3w1id (1721)	—	—
428	428	1	pg rhtrenstoper (1809)	—	—
429	429	1	pg mtbzipwra (1791)	—	—
430	430	1	pg txrtcdhgrd (1868)	—	—
431	431	1	pg txrtcdlw (1869)	—	—
432	432	1	pg stpwrdr (1854)	—	—
433	433	1	pg txpwrdr (1868)	—	—
434	434	1	pg sofieel_inpwrdr (1833)	—	—
435	435	1	pg cipselpwrdr (1766)	—	—
436	436	1	pg btsuhtenrd (1757)	—	—
437	437	1	pg rwa2pwr (1811)	—	—
438	438	1	pg iru1pwpr (1783)	—	—
439	439	1	pg rhtrenbatoper (1809)	—	—
440	443	4	pg a3w2id (1722)	—	—
444	444	1	pg a3w2s24sp (1724)	—	—
445	445	1	pg a3w2s23sp (1723)	—	—
446	446	1	pg a3w2s22sp (1723)	—	—
447	447	1	pg a3w2s21sp (1723)	—	—
448	448	1	pg a3w2s20sp (1722)	—	—
449	449	1	pg a3w2s19sp (1722)	—	—
450	450	1	pg a3w2b5sp (1721)	—	—
451	451	1	pg r2htrgcbat (1808)	—	—
452	452	1	pg rhtrgcst1 (1810)	—	—
453	453	1	pg r1htrgcbat (1808)	—	—
454	454	1	pg a3w2b1sp (1721)	—	—
455	455	1	pg txcdonrd (1867)	—	—
456	459	4	pg a3w3id (1724)	—	—
460	460	1	pg sapnpxdprdr_cant (1822)	—	—
461	461	1	pg sapnnxpydprdr (1821)	—	—
462	462	1	pg sapnnx_nxnypdrdr (1821)	—	—
463	463	1	pg sapnpxpypxnypdrdr (1823)	—	—
464	464	1	pg inhtpwrdr (1782)	—	—
465	465	1	pg sadppwenrd (1819)	—	—
466	466	1	pg a3w3s30sp (1726)	—	—
467	467	1	pg a3w3s29sp (1726)	—	—
468	468	1	pg a3w3s28sp (1725)	—	—
469	469	1	pg a3w3s27sp (1725)	—	—
470	470	1	pg a3w3s26sp (1725)	—	—
471	471	1	pg a3w3s25sp (1724)	—	—
472	475	4	pg a4w1id (1727)	—	—
476	476	1	pg cdepwrdr (1760)	—	—
477	477	1	pg mtbypwra (1791)	—	—
478	478	1	pg a4w1b9sp (1726)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
479	479	1	pg phtrenstoper (1799)	—	—
480	480	1	pg ceuncpwr (1765)	—	—
481	481	1	pg iru2pwpr (1784)	—	—
482	482	1	pg sofieel_inpwpr (1833)	—	—
483	483	1	pg cipselpwpr (1765)	—	—
484	484	1	pg pwr (1807)	—	—
485	485	1	pg rwa3pwr (1812)	—	—
486	486	1	pg rwa1pwr (1811)	—	—
487	487	1	pg btprepnsuhtenpr (1756)	—	—
488	491	4	pg a4w2id (1728)	—	—
492	492	1	pg a4w2s24sp (1730)	—	—
493	493	1	pg a4w2s23sp (1730)	—	—
494	494	1	pg a4w2s22sp (1729)	—	—
495	495	1	pg a4w2s21sp (1729)	—	—
496	496	1	pg a4w2s20sp (1729)	—	—
497	497	1	pg a4w2s19sp (1728)	—	—
498	498	1	pg tcvropht_b (1859)	—	—
499	499	1	pg a4w2b4sp (1728)	—	—
500	500	1	pg rwazopht (1815)	—	—
501	501	1	pg a4w2b2sp (1727)	—	—
502	502	1	pg tcvropht_a (1859)	—	—
503	503	1	pg a4w2b0sp (1727)	—	—
504	507	4	pg a4w3id (1731)	—	—
508	508	1	pg a4w3b12sp (1731)	—	—
509	509	1	pg a4w3b11sp (1730)	—	—
510	510	1	pg tcvrstrwazsuhtpw (1860)	—	—
511	511	1	pg inhtpwpr (1782)	—	—
512	512	1	pg sofiecpwenrd (1833)	—	—
513	513	1	pg rwaypwr (1814)	—	—
514	514	1	pg a4w3s30sp (1733)	—	—
515	515	1	pg a4w3s29sp (1733)	—	—
516	516	1	pg a4w3s28sp (1732)	—	—
517	517	1	pg a4w3s27sp (1732)	—	—
518	518	1	pg a4w3s26sp (1732)	—	—
519	519	1	pg a4w3s25sp (1731)	—	—
520	523	4	pg spepslo1 (1849)	—	—
524	535	12	pg slrarshntcur (1831)	—	—
536	539	4	pg spepslo2 (1851)	—	—
540	551	12	pg slraroptcur (1830)	—	—
552	555	4	pg spepslo3 (1851)	—	—
556	567	12	pg batcpv1voltage (1745)	—	—
568	571	4	pg spepslo4 (1852)	—	—
572	583	12	pg batcpv2voltage (1745)	—	—
584	587	4	pg spepslo5 (1852)	—	—
588	599	12	pg batcpv3voltage (1746)	—	—
600	603	4	pg spepslo6 (1852)	—	—
604	615	12	pg batcpv4voltage (1747)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
616	619	4	pg spepslo7 (1853)	—	—
620	631	12	pg batcpv5voltage (1747)	—	—
632	635	4	pg spepslo8 (1853)	—	—
636	647	12	pg batcpv6voltage (1748)	—	—
648	651	4	pg spepslo9 (1853)	—	—
652	663	12	pg batcpv7voltage (1749)	—	—
664	667	4	pg spepslo10 (1849)	—	—
668	679	12	pg batcpv8voltage (1749)	—	—
680	683	4	pg spepslo11 (1850)	—	—
684	695	12	pg batcpv9voltage (1750)	—	—
696	699	4	pg spepslo12 (1850)	—	—
700	711	12	pg batcpv10voltage (1744)	—	—
712	715	4	pg spepslo13 (1850)	—	—
716	727	12	pg sappparmeta (1824)	—	—
728	731	4	pg spepslo14 (1851)	—	—
732	743	12	pg sappparmeta (1824)	—	—
744	750	7	pg nu1 (1794)	—	—
751	751	1	pg lvsep3 (1789)	—	—
752	755	4	pg nu2 (1794)	—	—
756	756	1	pg safulldepstat (1820)	—	—
757	757	1	pg Spare (1715)	—	—
758	758	1	pg batrelay1pos (1753)	—	—
759	759	1	pg batrelay2pos (1753)	—	—
760	763	4	pg sp1xbepsfst (1836)	—	—
764	775	12	pg slrarc (1830)	—	—
776	779	4	pg sp2xbepsfst (1838)	—	—
780	791	12	pg batpresscell1 (1751)	—	—
792	795	4	pg sp3xbepsfst (1839)	—	—
796	807	12	pg batpresscell2 (1752)	—	—
808	811	4	pg sp4xbepsfst (1840)	—	—
812	823	12	pg batvagecpv11 (1755)	—	—
824	827	4	pg sp5xbepsfst (1840)	—	—
828	839	12	pg busvoltage (1758)	—	—
840	843	4	pg sp6xbepsfst (1843)	—	—
844	855	12	pg batcur (1751)	—	—
856	859	4	pg sp7xbepsfst (1843)	—	—
860	871	12	pg buscurl (1757)	—	—
872	875	4	pg sp8xbepsfst (1844)	—	—
876	887	12	pg battmpcell1 (1754)	—	—
888	891	4	pg sp9xbepsfst (1844)	—	—
892	903	12	pg battmpcell2 (1755)	—	—
904	907	4	pg shntwrldid1 (1829)	—	—
908	910	3	pg nu264 (1795)	—	—
911	911	1	pg shnt6pwmmd (1829)	—	—
912	912	1	pg shnt4pwmmd (1827)	—	—
913	913	1	pg shnt2pwmmd (1826)	—	—
914	914	1	pg shnt6dcstat (1828)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
915	915	1	pg shnt5dcstat (1828)	—	—
916	916	1	pg shnt4dcstat (1827)	—	—
917	917	1	pg shnt3dcstat (1826)	—	—
918	918	1	pg shnt2dcstat (1826)	—	—
919	919	1	pg shnt1dcstat (1825)	—	—
920	923	4	pg shntwrddid2 (1829)	—	—
924	926	3	pg nu275 (1795)	—	—
927	927	1	pg unusedepsfst (1889)	—	—
928	928	1	pg pwmcntrlmd (1807)	—	—
929	935	7	pg pwmdutycyclcmd (1807)	—	—
936	939	4	pg spepmisc1 (1845)	—	—
940	951	12	pg rxaagc (1817)	—	—
952	955	4	pg spepmisc2 (1846)	—	—
956	967	12	pg rxaloopstress (1818)	—	—
968	971	4	pg spepmisc3 (1848)	—	—
972	983	12	pg txarfpwr (1865)	—	—
984	987	4	pg spepmisc5 (1849)	—	—
988	999	12	pg apeamain15vmon (1736)	—	—
1000	1003	4	pg spepmisc15 (1845)	—	—
1004	1015	12	pg apeamainn15vmon (1738)	—	—
1016	1019	4	pg spepmisc16 (1845)	—	—
1020	1031	12	pg apeamain5vmon (1737)	—	—
1032	1035	4	pg spepmisc24 (1847)	—	—
1036	1047	12	pg ceua5vcritmon (1761)	—	—
1048	1051	4	pg spepmisc25 (1847)	—	—
1052	1063	12	pg ceua5vncritmon (1762)	—	—
1064	1067	4	pg spepmisc26 (1847)	—	—
1068	1079	12	pg ceua3vmon (1761)	—	—
1080	1083	4	pg spepmisc27 (1848)	—	—
1084	1095	12	pg ceuan15vmon (1764)	—	—
1096	1099	4	pg spepmisc22 (1846)	—	—
1100	1111	12	pg rx_cr_lock (1816)	—	—
1112	1115	4	pg spepmisc23 (1846)	—	—
1116	1127	12	pg rx_demod_lock (1816)	—	—
1128	1131	4	pg spepmisc30 (1848)	—	—
1132	1143	12	pg tx_on_off_st (1864)	—	—
1144	1147	4	pg sp2 (1836)	—	—
1148	1159	12	pg batbaseplatetmpa (1742)	—	—
1160	1163	4	pg sp6 (1841)	—	—
1164	1175	12	pg batbaseplatetmpb (1743)	—	—
1176	1179	4	pg sp11 (1835)	—	—
1180	1191	12	pg ceualvpstmp (1763)	—	—
1192	1195	4	pg sp13 (1835)	—	—
1196	1207	12	pg apealvpstmp (1735)	—	—
1208	1211	4	pg sp15 (1835)	—	—
1212	1223	12	pg sofieexttmpa (1834)	—	—
1224	1227	4	pg sp18 (1836)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
1228	1239	12	pg cdedtctrpnirtd (1759)	—	—
1240	1243	4	pg sp22 (1837)	—	—
1244	1255	12	pg cipsexttmp (1766)	—	—
1256	1259	4	pg sp45 (1840)	—	—
1260	1271	12	pg preshttmp (1805)	—	—
1272	1275	4	pg sp23 (1837)	—	—
1276	1287	12	pg xpnltmp (1922)	—	—
1288	1291	4	pg sp24 (1837)	—	—
1292	1303	12	pg xypnltmp (1922)	—	—
1304	1307	4	pg sp26 (1838)	—	—
1308	1319	12	pg mxpnltmp (1792)	—	—
1320	1323	4	pg sp27 (1838)	—	—
1324	1335	12	pg mxmynltmp (1792)	—	—
1336	1339	4	pg sp30 (1839)	—	—
1340	1351	12	pg aftdeck_nxtmp2 (1734)	—	—
1352	1355	4	pg sp40 (1839)	—	—
1356	1367	12	pg nadk_nxtmp (1793)	—	—
1368	1371	4	pg sp63 (1841)	—	—
1372	1383	12	pg ppp1tmp (1800)	—	—
1384	1387	4	pg sp64 (1841)	—	—
1388	1399	12	pg ppp2tmp (1801)	—	—
1400	1403	4	pg sp65 (1842)	—	—
1404	1415	12	pg ppp3tmp (1802)	—	—
1416	1419	4	pg sp66 (1842)	—	—
1420	1431	12	pg ppp4tmp (1802)	—	—
1432	1435	4	pg sp67 (1842)	—	—
1436	1447	12	pg ppp5tmp (1803)	—	—
1448	1451	4	pg sp68 (1843)	—	—
1452	1463	12	pg ppp6tmp (1804)	—	—
1464	1471	8	pg rts_activ_ctr (1810)	—	—
1472	1478	7	pg sp_convenbit (1844)	—	—
1479	1479	1	pg convenbit (1768)	—	—
1480	1481	2	pg rwatach1whlid (1812)	—	—
1482	1495	14	pg rwatach1accum (1812)	—	—
1496	1497	2	pg rwatach2whlid (1813)	—	—
1498	1511	14	pg rwatach2accum (1813)	—	—
1512	1513	2	pg rwatach3whlid (1814)	—	—
1514	1527	14	pg rwatach3accum (1813)	—	—
1528	1529	2	pg mtbcurxcal (1789)	—	—
1530	1531	2	pg mtbcurxgain (1790)	—	—
1532	1543	12	pg mtbcurxmag (1790)	—	—
1544	1559	16	pg iruax (1785)	—	—
1560	1575	16	pg iruay (1786)	—	—
1576	1591	16	pg irubx (1788)	—	—
1592	1607	16	pg iruby (1788)	—	—
1608	1609	2	pg tamafieldxcal (1854)	—	—
1610	1611	2	pg tamafieldxgain (1855)	—	—

Packet **pg pegtln** Format, cont'd

start bit	stop bit	size bits	field		
1612	1623	12	pg tamafieldxmag (1855)	—	—
1624	1625	2	pg tamafieldycal (1856)	—	—
1626	1627	2	pg tamafieldygain (1856)	—	—
1628	1639	12	pg tamafieldymag (1856)	—	—
1640	1641	2	pg tamafieldzcal (1857)	—	—
1642	1643	2	pg tamafieldzgain (1858)	—	—
1644	1655	12	pg tamafieldzmag (1858)	—	—
1656	1657	2	pg iruawheelcurcal (1784)	—	—
1658	1659	2	pg iruawheelcurgain (1784)	—	—
1660	1671	12	pg iruawheelcurmag (1785)	—	—
1672	1673	2	pg irubwheelcurcal (1786)	—	—
1674	1675	2	pg irubwheelcurgain (1786)	—	—
1676	1687	12	pg irubwheelcurmag (1787)	—	—
1688	1695	8	pg acsmd (1733)	—	—
1696	1703	8	pg rtscenter (1810)	—	—
1704	1711	8	pg lstrtsfired (1788)	—	—

Packet size = 1712 bits (214 bytes) .

F.35 sm mdwl_tlm

Packet Source Application Identifier

0x0ac (172)

OASIS Stream Name

sm172

Description

Software Manager memory dwell format

Format

Packet **sm mdwl_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	sm mdwlpid (1983)	—	—
16	17	2	sm mdwlsflg (1984)	—	—
18	31	14	sm mdwlsct (1984)	—	—
32	47	16	sm mdwlpl (1983)	—	—
48	63	16	sm mdwlhws (1982)	—	—
64	79	16	sm mdwllws (1982)	—	—
80	95	16	sm mdwlhwss (1982)	—	—
96	111	16	sm mdwllwss (1983)	—	—
112	127	16	sm dtawrd0 (1957)	—	—
128	143	16	sm dtawrd1 (1957)	—	—
144	159	16	sm dtawrd2 (1961)	—	—
160	175	16	sm dtawrd3 (1965)	—	—
176	191	16	sm dtawrd4 (1968)	—	—
192	207	16	sm dtawrd5 (1972)	—	—
208	223	16	sm dtawrd6 (1976)	—	—
224	239	16	sm dtawrd7 (1977)	—	—
240	255	16	sm dtawrd8 (1978)	—	—
256	271	16	sm dtawrd9 (1978)	—	—
272	287	16	sm dtawrd10 (1958)	—	—
288	303	16	sm dtawrd11 (1958)	—	—
304	319	16	sm dtawrd12 (1958)	—	—
320	335	16	sm dtawrd13 (1959)	—	—
336	351	16	sm dtawrd14 (1959)	—	—
352	367	16	sm dtawrd15 (1959)	—	—
368	383	16	sm dtawrd16 (1960)	—	—
384	399	16	sm dtawrd17 (1960)	—	—
400	415	16	sm dtawrd18 (1960)	—	—
416	431	16	sm dtawrd19 (1961)	—	—
432	447	16	sm dtawrd20 (1961)	—	—
448	463	16	sm dtawrd21 (1962)	—	—
464	479	16	sm dtawrd22 (1962)	—	—
480	495	16	sm dtawrd23 (1962)	—	—
496	511	16	sm dtawrd24 (1963)	—	—
512	527	16	sm dtawrd25 (1963)	—	—

Packet **sm mdwl_tlm** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	sm dtawrd26 (1963)	—	—
544	559	16	sm dtawrd27 (1964)	—	—
560	575	16	sm dtawrd28 (1964)	—	—
576	591	16	sm dtawrd29 (1964)	—	—
592	607	16	sm dtawrd30 (1965)	—	—
608	623	16	sm dtawrd31 (1965)	—	—
624	639	16	sm dtawrd32 (1966)	—	—
640	655	16	sm dtawrd33 (1966)	—	—
656	671	16	sm dtawrd34 (1966)	—	—
672	687	16	sm dtawrd35 (1967)	—	—
688	703	16	sm dtawrd36 (1967)	—	—
704	719	16	sm dtawrd37 (1967)	—	—
720	735	16	sm dtawrd38 (1968)	—	—
736	751	16	sm dtawrd39 (1968)	—	—
752	767	16	sm dtawrd40 (1969)	—	—
768	783	16	sm dtawrd41 (1969)	—	—
784	799	16	sm dtawrd42 (1969)	—	—
800	815	16	sm dtawrd43 (1970)	—	—
816	831	16	sm dtawrd44 (1970)	—	—
832	847	16	sm dtawrd45 (1970)	—	—
848	863	16	sm dtawrd46 (1971)	—	—
864	879	16	sm dtawrd47 (1971)	—	—
880	895	16	sm dtawrd48 (1971)	—	—
896	911	16	sm dtawrd49 (1972)	—	—
912	927	16	sm dtawrd50 (1972)	—	—
928	943	16	sm dtawrd51 (1973)	—	—
944	959	16	sm dtawrd52 (1973)	—	—
960	975	16	sm dtawrd53 (1973)	—	—
976	991	16	sm dtawrd54 (1974)	—	—
992	1007	16	sm dtawrd55 (1974)	—	—
1008	1023	16	sm dtawrd56 (1974)	—	—
1024	1039	16	sm dtawrd57 (1975)	—	—
1040	1055	16	sm dtawrd58 (1975)	—	—
1056	1071	16	sm dtawrd59 (1975)	—	—
1072	1087	16	sm dtawrd60 (1976)	—	—
1088	1103	16	sm dtawrd61 (1976)	—	—
1104	1119	16	sm dtawrd62 (1977)	—	—
1120	1135	16	sm dtawrd63 (1977)	—	—
1136	1151	16	sm tenhzdelcnt (2037)	—	—
1152	1183	32	sm firsttstmdwladr (1978)	—	—

Packet size = 1184 bits (148 bytes) .

F.36 sm mem_dmp

Packet Source Application Identifier

0x0aa (170)

OASIS Stream Name

sm170

Description

Software Manager memory dump

Format

Packet **sm mem_dmp** Format

start bit	stop bit	size bits	field	control	method
0	15	16	sm pid_170 (1985)	—	—
16	17	2	sm sflg_170 (1988)	—	—
18	31	14	sm sct_170 (1987)	—	—
32	47	16	sm pl_170 (1986)	—	—
48	63	16	sm hws_170 (1979)	—	—
64	79	16	sm lws_170 (1981)	—	—
80	95	16	sm hwss_170 (1980)	—	—
96	111	16	sm lwss_170 (1981)	—	—
112	127	16	sm procorid (1986)	—	—
128	143	16	sm copynum_170 (1923)	—	—
144	175	32	sm frmemadr (1979)	—	—
176	191	16	sm numwds_170 (1985)	—	—
192	207	16	sm sp2 (1988)	—	—
208	223	16	sm dmpdta0 (1924)	—	—
224	239	16	sm dmpdta1 (1924)	—	—
240	255	16	sm dmpdta2 (1928)	—	—
256	271	16	sm dmpdta3 (1931)	—	—
272	287	16	sm dmpdta4 (1935)	—	—
288	303	16	sm dmpdta5 (1939)	—	—
304	319	16	sm dmpdta6 (1942)	—	—
320	335	16	sm dmpdta7 (1946)	—	—
336	351	16	sm dmpdta8 (1950)	—	—
352	367	16	sm dmpdta9 (1953)	—	—
368	383	16	sm dmpdta10 (1924)	—	—
384	399	16	sm dmpdta11 (1925)	—	—
400	415	16	sm dmpdta12 (1925)	—	—
416	431	16	sm dmpdta13 (1925)	—	—
432	447	16	sm dmpdta14 (1926)	—	—
448	463	16	sm dmpdta15 (1926)	—	—
464	479	16	sm dmpdta16 (1926)	—	—
480	495	16	sm dmpdta17 (1927)	—	—
496	511	16	sm dmpdta18 (1927)	—	—
512	527	16	sm dmpdta19 (1927)	—	—
528	543	16	sm dmpdta20 (1928)	—	—

Packet **sm mem_dmp** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	sm dmpdta21 (1928)	—	—
560	575	16	sm dmpdta22 (1929)	—	—
576	591	16	sm dmpdta23 (1929)	—	—
592	607	16	sm dmpdta24 (1929)	—	—
608	623	16	sm dmpdta25 (1930)	—	—
624	639	16	sm dmpdta26 (1930)	—	—
640	655	16	sm dmpdta27 (1930)	—	—
656	671	16	sm dmpdta28 (1931)	—	—
672	687	16	sm dmpdta29 (1931)	—	—
688	703	16	sm dmpdta30 (1932)	—	—
704	719	16	sm dmpdta31 (1932)	—	—
720	735	16	sm dmpdta32 (1932)	—	—
736	751	16	sm dmpdta33 (1933)	—	—
752	767	16	sm dmpdta34 (1933)	—	—
768	783	16	sm dmpdta35 (1933)	—	—
784	799	16	sm dmpdta36 (1934)	—	—
800	815	16	sm dmpdta37 (1934)	—	—
816	831	16	sm dmpdta38 (1934)	—	—
832	847	16	sm dmpdta39 (1935)	—	—
848	863	16	sm dmpdta40 (1935)	—	—
864	879	16	sm dmpdta41 (1936)	—	—
880	895	16	sm dmpdta42 (1936)	—	—
896	911	16	sm dmpdta43 (1936)	—	—
912	927	16	sm dmpdta44 (1937)	—	—
928	943	16	sm dmpdta45 (1937)	—	—
944	959	16	sm dmpdta46 (1937)	—	—
960	975	16	sm dmpdta47 (1938)	—	—
976	991	16	sm dmpdta48 (1938)	—	—
992	1007	16	sm dmpdta49 (1938)	—	—
1008	1023	16	sm dmpdta50 (1939)	—	—
1024	1039	16	sm dmpdta51 (1939)	—	—
1040	1055	16	sm dmpdta52 (1940)	—	—
1056	1071	16	sm dmpdta53 (1940)	—	—
1072	1087	16	sm dmpdta54 (1940)	—	—
1088	1103	16	sm dmpdta55 (1941)	—	—
1104	1119	16	sm dmpdta56 (1941)	—	—
1120	1135	16	sm dmpdta57 (1941)	—	—
1136	1151	16	sm dmpdta58 (1942)	—	—
1152	1167	16	sm dmpdta59 (1942)	—	—
1168	1183	16	sm dmpdta60 (1943)	—	—
1184	1199	16	sm dmpdta61 (1943)	—	—
1200	1215	16	sm dmpdta62 (1943)	—	—
1216	1231	16	sm dmpdta63 (1944)	—	—
1232	1247	16	sm dmpdta64 (1944)	—	—
1248	1263	16	sm dmpdta65 (1944)	—	—
1264	1279	16	sm dmpdta66 (1945)	—	—
1280	1295	16	sm dmpdta67 (1945)	—	—

Packet **sm mem_dmp** Format, cont'd

start bit	stop bit	size bits	field		
1296	1311	16	sm dmpdta68 (1945)	—	—
1312	1327	16	sm dmpdta69 (1946)	—	—
1328	1343	16	sm dmpdta70 (1946)	—	—
1344	1359	16	sm dmpdta71 (1947)	—	—
1360	1375	16	sm dmpdta72 (1947)	—	—
1376	1391	16	sm dmpdta73 (1947)	—	—
1392	1407	16	sm dmpdta74 (1948)	—	—
1408	1423	16	sm dmpdta75 (1948)	—	—
1424	1439	16	sm dmpdta76 (1948)	—	—
1440	1455	16	sm dmpdta77 (1949)	—	—
1456	1471	16	sm dmpdta78 (1949)	—	—
1472	1487	16	sm dmpdta79 (1949)	—	—
1488	1503	16	sm dmpdta80 (1950)	—	—
1504	1519	16	sm dmpdta81 (1950)	—	—
1520	1535	16	sm dmpdta82 (1951)	—	—
1536	1551	16	sm dmpdta83 (1951)	—	—
1552	1567	16	sm dmpdta84 (1951)	—	—
1568	1583	16	sm dmpdta85 (1952)	—	—
1584	1599	16	sm dmpdta86 (1952)	—	—
1600	1615	16	sm dmpdta87 (1952)	—	—
1616	1631	16	sm dmpdta88 (1953)	—	—
1632	1647	16	sm dmpdta89 (1953)	—	—
1648	1663	16	sm dmpdta90 (1954)	—	—
1664	1679	16	sm dmpdta91 (1954)	—	—
1680	1695	16	sm dmpdta92 (1954)	—	—
1696	1711	16	sm dmpdta93 (1955)	—	—
1712	1727	16	sm dmpdta94 (1955)	—	—
1728	1743	16	sm dmpdta95 (1955)	—	—
1744	1759	16	sm dmpdta96 (1956)	—	—
1760	1775	16	sm dmpdta97 (1956)	—	—
1776	1791	16	sm dmpdta98 (1956)	—	—
1792	1807	16	sm dmpdta99 (1957)	—	—
1808	1823	16	sm tdmpdta100 (1997)	—	—
1824	1839	16	sm tdmpdta101 (1998)	—	—
1840	1855	16	sm tdmpdta102 (1998)	—	—
1856	1871	16	sm tdmpdta103 (1998)	—	—
1872	1887	16	sm tdmpdta104 (1999)	—	—
1888	1903	16	sm tdmpdta105 (1999)	—	—
1904	1919	16	sm tdmpdta106 (1999)	—	—
1920	1935	16	sm tdmpdta107 (2000)	—	—
1936	1951	16	sm tdmpdta108 (2000)	—	—
1952	1967	16	sm tdmpdta109 (2000)	—	—
1968	1983	16	sm tdmpdta110 (2001)	—	—
1984	1999	16	sm tdmpdta111 (2001)	—	—
2000	2015	16	sm tdmpdta112 (2002)	—	—
2016	2031	16	sm tdmpdta113 (2002)	—	—
2032	2047	16	sm tdmpdta114 (2002)	—	—

Packet **sm mem_dmp** Format, cont'd

start bit	stop bit	size bits	field		
2048	2063	16	sm tdmpdta115 (2003)	—	—
2064	2079	16	sm tdmpdta116 (2003)	—	—
2080	2095	16	sm tdmpdta117 (2003)	—	—
2096	2111	16	sm tdmpdta118 (2004)	—	—
2112	2127	16	sm tdmpdta119 (2004)	—	—
2128	2143	16	sm tdmpdta120 (2005)	—	—

Packet size = 2144 bits (268 bytes) .

F.37 sm tbl_dmp

Packet Source Application Identifier

0x0ab (171)

OASIS Stream Name

sm171

Description

Software Manager Table dump

Format

Packet **sm tbl_dmp** Format

start bit	stop bit	size bits	field	control	method
0	15	16	sm pid (1985)	—	—
16	17	2	sm sflg (1987)	—	—
18	31	14	sm sct (1987)	—	—
32	47	16	sm pl (1986)	—	—
48	63	16	sm hws (1979)	—	—
64	79	16	sm lws (1980)	—	—
80	95	16	sm hwss (1980)	—	—
96	111	16	sm lwss (1981)	—	—
112	127	16	sm tblid (1995)	—	—
128	143	16	sm copynum (1923)	—	—
144	159	16	sm tbloffset (1996)	—	—
160	175	16	sm numwds (1984)	—	—
176	191	16	sm tblsource (1996)	—	—
192	207	16	sm tdmpdta0 (1996)	—	—
208	223	16	sm tdmpdta1 (1997)	—	—
224	239	16	sm tdmpdta2 (2007)	—	—
240	255	16	sm tdmpdta3 (2011)	—	—
256	271	16	sm tdmpdta4 (2015)	—	—
272	287	16	sm tdmpdta5 (2018)	—	—
288	303	16	sm tdmpdta6 (2022)	—	—
304	319	16	sm tdmpdta7 (2026)	—	—
320	335	16	sm tdmpdta8 (2029)	—	—
336	351	16	sm tdmpdta9 (2033)	—	—
352	367	16	sm tdmpdta10 (1997)	—	—
368	383	16	sm tdmpdta11 (2001)	—	—
384	399	16	sm tdmpdta12 (2004)	—	—
400	415	16	sm tdmpdta13 (2005)	—	—
416	431	16	sm tdmpdta14 (2005)	—	—
432	447	16	sm tdmpdta15 (2006)	—	—
448	463	16	sm tdmpdta16 (2006)	—	—
464	479	16	sm tdmpdta17 (2006)	—	—
480	495	16	sm tdmpdta18 (2007)	—	—
496	511	16	sm tdmpdta19 (2007)	—	—
512	527	16	sm tdmpdta20 (2008)	—	—

Packet **sm tbl_dmp** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	sm tdmpdta21 (2008)	–	–
544	559	16	sm tdmpdta22 (2008)	–	–
560	575	16	sm tdmpdta23 (2009)	–	–
576	591	16	sm tdmpdta24 (2009)	–	–
592	607	16	sm tdmpdta25 (2009)	–	–
608	623	16	sm tdmpdta26 (2010)	–	–
624	639	16	sm tdmpdta27 (2010)	–	–
640	655	16	sm tdmpdta28 (2010)	–	–
656	671	16	sm tdmpdta29 (2011)	–	–
672	687	16	sm tdmpdta30 (2011)	–	–
688	703	16	sm tdmpdta31 (2012)	–	–
704	719	16	sm tdmpdta32 (2012)	–	–
720	735	16	sm tdmpdta33 (2012)	–	–
736	751	16	sm tdmpdta34 (2013)	–	–
752	767	16	sm tdmpdta35 (2013)	–	–
768	783	16	sm tdmpdta36 (2013)	–	–
784	799	16	sm tdmpdta37 (2014)	–	–
800	815	16	sm tdmpdta38 (2014)	–	–
816	831	16	sm tdmpdta39 (2014)	–	–
832	847	16	sm tdmpdta40 (2015)	–	–
848	863	16	sm tdmpdta41 (2015)	–	–
864	879	16	sm tdmpdta42 (2016)	–	–
880	895	16	sm tdmpdta43 (2016)	–	–
896	911	16	sm tdmpdta44 (2016)	–	–
912	927	16	sm tdmpdta45 (2017)	–	–
928	943	16	sm tdmpdta46 (2017)	–	–
944	959	16	sm tdmpdta47 (2017)	–	–
960	975	16	sm tdmpdta48 (2018)	–	–
976	991	16	sm tdmpdta49 (2018)	–	–
992	1007	16	sm tdmpdta50 (2019)	–	–
1008	1023	16	sm tdmpdta51 (2019)	–	–
1024	1039	16	sm tdmpdta52 (2019)	–	–
1040	1055	16	sm tdmpdta53 (2020)	–	–
1056	1071	16	sm tdmpdta54 (2020)	–	–
1072	1087	16	sm tdmpdta55 (2020)	–	–
1088	1103	16	sm tdmpdta56 (2021)	–	–
1104	1119	16	sm tdmpdta57 (2021)	–	–
1120	1135	16	sm tdmpdta58 (2021)	–	–
1136	1151	16	sm tdmpdta59 (2022)	–	–
1152	1167	16	sm tdmpdta60 (2022)	–	–
1168	1183	16	sm tdmpdta61 (2023)	–	–
1184	1199	16	sm tdmpdta62 (2023)	–	–
1200	1215	16	sm tdmpdta63 (2023)	–	–
1216	1231	16	sm tdmpdta64 (2024)	–	–
1232	1247	16	sm tdmpdta65 (2024)	–	–
1248	1263	16	sm tdmpdta66 (2024)	–	–
1264	1279	16	sm tdmpdta67 (2025)	–	–

Packet **sm tbl_dmp** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	sm tdmpdta68 (2025)	—	—
1296	1311	16	sm tdmpdta69 (2025)	—	—
1312	1327	16	sm tdmpdta70 (2026)	—	—
1328	1343	16	sm tdmpdta71 (2026)	—	—
1344	1359	16	sm tdmpdta72 (2027)	—	—
1360	1375	16	sm tdmpdta73 (2027)	—	—
1376	1391	16	sm tdmpdta74 (2027)	—	—
1392	1407	16	sm tdmpdta75 (2028)	—	—
1408	1423	16	sm tdmpdta76 (2028)	—	—
1424	1439	16	sm tdmpdta77 (2028)	—	—
1440	1455	16	sm tdmpdta78 (2029)	—	—
1456	1471	16	sm tdmpdta79 (2029)	—	—
1472	1487	16	sm tdmpdta80 (2030)	—	—
1488	1503	16	sm tdmpdta81 (2030)	—	—
1504	1519	16	sm tdmpdta82 (2030)	—	—
1520	1535	16	sm tdmpdta83 (2031)	—	—
1536	1551	16	sm tdmpdta84 (2031)	—	—
1552	1567	16	sm tdmpdta85 (2031)	—	—
1568	1583	16	sm tdmpdta86 (2032)	—	—
1584	1599	16	sm tdmpdta87 (2032)	—	—
1600	1615	16	sm tdmpdta88 (2032)	—	—
1616	1631	16	sm tdmpdta89 (2033)	—	—
1632	1647	16	sm tdmpdta90 (2033)	—	—
1648	1663	16	sm tdmpdta91 (2034)	—	—
1664	1679	16	sm tdmpdta92 (2034)	—	—
1680	1695	16	sm tdmpdta93 (2034)	—	—
1696	1711	16	sm tdmpdta94 (2035)	—	—
1712	1727	16	sm tdmpdta95 (2035)	—	—
1728	1743	16	sm tdmpdta96 (2035)	—	—
1744	1759	16	sm tdmpdta97 (2036)	—	—
1760	1775	16	sm tdmpdta98 (2036)	—	—
1776	1791	16	sm tdmpdta99 (2036)	—	—
1792	1807	16	sm tblmpdta100 (1988)	—	—
1808	1823	16	sm tblmpdta101 (1989)	—	—
1824	1839	16	sm tblmpdta102 (1989)	—	—
1840	1855	16	sm tblmpdta103 (1989)	—	—
1856	1871	16	sm tblmpdta104 (1990)	—	—
1872	1887	16	sm tblmpdta105 (1990)	—	—
1888	1903	16	sm tblmpdta106 (1990)	—	—
1904	1919	16	sm tblmpdta107 (1991)	—	—
1920	1935	16	sm tblmpdta108 (1991)	—	—
1936	1951	16	sm tblmpdta109 (1991)	—	—
1952	1967	16	sm tblmpdta110 (1992)	—	—
1968	1983	16	sm tblmpdta111 (1992)	—	—
1984	1999	16	sm tblmpdta112 (1992)	—	—
2000	2015	16	sm tblmpdta113 (1993)	—	—
2016	2031	16	sm tblmpdta114 (1993)	—	—

Packet **sm tbl_dmp** Format, cont'd

start bit	stop bit	size bits	field		
2032	2047	16	sm tbl_dmp_dta115 (1993)	–	–
2048	2063	16	sm tbl_dmp_dta116 (1994)	–	–
2064	2079	16	sm tbl_dmp_dta117 (1994)	–	–
2080	2095	16	sm tbl_dmp_dta118 (1994)	–	–
2096	2111	16	sm tbl_dmp_dta119 (1995)	–	–
2112	2127	16	sm tbl_dmp_dta120 (1995)	–	–

Packet size = 2128 bits (266 bytes) .

F.38 su omdmp

Packet Source Application Identifier

0x0cc (204)

OASIS Stream Name

su204

Description

SuROM memory dump App Id 0x08cc

Format

Packet **su omdmp** Format

start bit	stop bit	size bits	field	control	method
0	15	16	su romdmptypepid (2210)	—	—
16	17	2	su romdmptypesflg (2211)	—	—
18	31	14	su romdmptypescst (2211)	—	—
32	47	16	su romdmptypepl (2210)	—	—
48	63	16	su romdmtypehws (2209)	—	—
64	79	16	su romdmtypeplws (2209)	—	—
80	95	16	su romdmtypeplwss (2209)	—	—
96	111	16	su romdmtypeplwss (2210)	—	—
112	127	16	su dmpdta0 (2037)	—	—
128	143	16	su dmpdta1 (2037)	—	—
144	159	16	su dmpdta2 (2074)	—	—
160	175	16	su dmpdta3 (2111)	—	—
176	191	16	su dmpdta4 (2148)	—	—
192	207	16	su dmpdta5 (2185)	—	—
208	223	16	su dmpdta6 (2193)	—	—
224	239	16	su dmpdta7 (2197)	—	—
240	255	16	su dmpdta8 (2200)	—	—
256	271	16	su dmpdta9 (2204)	—	—
272	287	16	su dmpdta10 (2038)	—	—
288	303	16	su dmpdta11 (2041)	—	—
304	319	16	su dmpdta12 (2045)	—	—
320	335	16	su dmpdta13 (2049)	—	—
336	351	16	su dmpdta14 (2052)	—	—
352	367	16	su dmpdta15 (2056)	—	—
368	383	16	su dmpdta16 (2060)	—	—
384	399	16	su dmpdta17 (2063)	—	—
400	415	16	su dmpdta18 (2067)	—	—
416	431	16	su dmpdta19 (2071)	—	—
432	447	16	su dmpdta20 (2075)	—	—
448	463	16	su dmpdta21 (2078)	—	—
464	479	16	su dmpdta22 (2082)	—	—
480	495	16	su dmpdta23 (2086)	—	—
496	511	16	su dmpdta24 (2089)	—	—
512	527	16	su dmpdta25 (2093)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	su dmpdta26 (2097)	—	—
544	559	16	su dmpdta27 (2100)	—	—
560	575	16	su dmpdta28 (2104)	—	—
576	591	16	su dmpdta29 (2108)	—	—
592	607	16	su dmpdta30 (2112)	—	—
608	623	16	su dmpdta31 (2115)	—	—
624	639	16	su dmpdta32 (2119)	—	—
640	655	16	su dmpdta33 (2123)	—	—
656	671	16	su dmpdta34 (2126)	—	—
672	687	16	su dmpdta35 (2130)	—	—
688	703	16	su dmpdta36 (2134)	—	—
704	719	16	su dmpdta37 (2137)	—	—
720	735	16	su dmpdta38 (2141)	—	—
736	751	16	su dmpdta39 (2145)	—	—
752	767	16	su dmpdta40 (2149)	—	—
768	783	16	su dmpdta41 (2152)	—	—
784	799	16	su dmpdta42 (2156)	—	—
800	815	16	su dmpdta43 (2160)	—	—
816	831	16	su dmpdta44 (2163)	—	—
832	847	16	su dmpdta45 (2167)	—	—
848	863	16	su dmpdta46 (2171)	—	—
864	879	16	su dmpdta47 (2174)	—	—
880	895	16	su dmpdta48 (2178)	—	—
896	911	16	su dmpdta49 (2182)	—	—
912	927	16	su dmpdta50 (2186)	—	—
928	943	16	su dmpdta51 (2189)	—	—
944	959	16	su dmpdta52 (2190)	—	—
960	975	16	su dmpdta53 (2191)	—	—
976	991	16	su dmpdta54 (2191)	—	—
992	1007	16	su dmpdta55 (2191)	—	—
1008	1023	16	su dmpdta56 (2192)	—	—
1024	1039	16	su dmpdta57 (2192)	—	—
1040	1055	16	su dmpdta58 (2192)	—	—
1056	1071	16	su dmpdta59 (2193)	—	—
1072	1087	16	su dmpdta60 (2193)	—	—
1088	1103	16	su dmpdta61 (2194)	—	—
1104	1119	16	su dmpdta62 (2194)	—	—
1120	1135	16	su dmpdta63 (2194)	—	—
1136	1151	16	su dmpdta64 (2195)	—	—
1152	1167	16	su dmpdta65 (2195)	—	—
1168	1183	16	su dmpdta66 (2195)	—	—
1184	1199	16	su dmpdta67 (2196)	—	—
1200	1215	16	su dmpdta68 (2196)	—	—
1216	1231	16	su dmpdta69 (2196)	—	—
1232	1247	16	su dmpdta70 (2197)	—	—
1248	1263	16	su dmpdta71 (2197)	—	—
1264	1279	16	su dmpdta72 (2198)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	su dmpdta73 (2198)	—	—
1296	1311	16	su dmpdta74 (2198)	—	—
1312	1327	16	su dmpdta75 (2199)	—	—
1328	1343	16	su dmpdta76 (2199)	—	—
1344	1359	16	su dmpdta77 (2199)	—	—
1360	1375	16	su dmpdta78 (2200)	—	—
1376	1391	16	su dmpdta79 (2200)	—	—
1392	1407	16	su dmpdta80 (2201)	—	—
1408	1423	16	su dmpdta81 (2201)	—	—
1424	1439	16	su dmpdta82 (2201)	—	—
1440	1455	16	su dmpdta83 (2202)	—	—
1456	1471	16	su dmpdta84 (2202)	—	—
1472	1487	16	su dmpdta85 (2202)	—	—
1488	1503	16	su dmpdta86 (2203)	—	—
1504	1519	16	su dmpdta87 (2203)	—	—
1520	1535	16	su dmpdta88 (2203)	—	—
1536	1551	16	su dmpdta89 (2204)	—	—
1552	1567	16	su dmpdta90 (2204)	—	—
1568	1583	16	su dmpdta91 (2205)	—	—
1584	1599	16	su dmpdta92 (2205)	—	—
1600	1615	16	su dmpdta93 (2205)	—	—
1616	1631	16	su dmpdta94 (2206)	—	—
1632	1647	16	su dmpdta95 (2206)	—	—
1648	1663	16	su dmpdta96 (2206)	—	—
1664	1679	16	su dmpdta97 (2207)	—	—
1680	1695	16	su dmpdta98 (2207)	—	—
1696	1711	16	su dmpdta99 (2207)	—	—
1712	1727	16	su dmpdta100 (2038)	—	—
1728	1743	16	su dmpdta101 (2038)	—	—
1744	1759	16	su dmpdta102 (2039)	—	—
1760	1775	16	su dmpdta103 (2039)	—	—
1776	1791	16	su dmpdta104 (2039)	—	—
1792	1807	16	su dmpdta105 (2040)	—	—
1808	1823	16	su dmpdta106 (2040)	—	—
1824	1839	16	su dmpdta107 (2040)	—	—
1840	1855	16	su dmpdta108 (2041)	—	—
1856	1871	16	su dmpdta109 (2041)	—	—
1872	1887	16	su dmpdta110 (2042)	—	—
1888	1903	16	su dmpdta111 (2042)	—	—
1904	1919	16	su dmpdta112 (2042)	—	—
1920	1935	16	su dmpdta113 (2043)	—	—
1936	1951	16	su dmpdta114 (2043)	—	—
1952	1967	16	su dmpdta115 (2043)	—	—
1968	1983	16	su dmpdta116 (2044)	—	—
1984	1999	16	su dmpdta117 (2044)	—	—
2000	2015	16	su dmpdta118 (2044)	—	—
2016	2031	16	su dmpdta119 (2045)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
2032	2047	16	su dmpdta120 (2045)	—	—
2048	2063	16	su dmpdta121 (2046)	—	—
2064	2079	16	su dmpdta122 (2046)	—	—
2080	2095	16	su dmpdta123 (2046)	—	—
2096	2111	16	su dmpdta124 (2047)	—	—
2112	2127	16	su dmpdta125 (2047)	—	—
2128	2143	16	su dmpdta126 (2047)	—	—
2144	2159	16	su dmpdta127 (2048)	—	—
2160	2175	16	su dmpdta128 (2048)	—	—
2176	2191	16	su dmpdta129 (2048)	—	—
2192	2207	16	su dmpdta130 (2049)	—	—
2208	2223	16	su dmpdta131 (2049)	—	—
2224	2239	16	su dmpdta132 (2050)	—	—
2240	2255	16	su dmpdta133 (2050)	—	—
2256	2271	16	su dmpdta134 (2050)	—	—
2272	2287	16	su dmpdta135 (2051)	—	—
2288	2303	16	su dmpdta136 (2051)	—	—
2304	2319	16	su dmpdta137 (2051)	—	—
2320	2335	16	su dmpdta138 (2052)	—	—
2336	2351	16	su dmpdta139 (2052)	—	—
2352	2367	16	su dmpdta140 (2053)	—	—
2368	2383	16	su dmpdta141 (2053)	—	—
2384	2399	16	su dmpdta142 (2053)	—	—
2400	2415	16	su dmpdta143 (2054)	—	—
2416	2431	16	su dmpdta144 (2054)	—	—
2432	2447	16	su dmpdta145 (2054)	—	—
2448	2463	16	su dmpdta146 (2055)	—	—
2464	2479	16	su dmpdta147 (2055)	—	—
2480	2495	16	su dmpdta148 (2055)	—	—
2496	2511	16	su dmpdta149 (2056)	—	—
2512	2527	16	su dmpdta150 (2056)	—	—
2528	2543	16	su dmpdta151 (2057)	—	—
2544	2559	16	su dmpdta152 (2057)	—	—
2560	2575	16	su dmpdta153 (2057)	—	—
2576	2591	16	su dmpdta154 (2058)	—	—
2592	2607	16	su dmpdta155 (2058)	—	—
2608	2623	16	su dmpdta156 (2058)	—	—
2624	2639	16	su dmpdta157 (2059)	—	—
2640	2655	16	su dmpdta158 (2059)	—	—
2656	2671	16	su dmpdta159 (2059)	—	—
2672	2687	16	su dmpdta160 (2060)	—	—
2688	2703	16	su dmpdta161 (2060)	—	—
2704	2719	16	su dmpdta162 (2061)	—	—
2720	2735	16	su dmpdta163 (2061)	—	—
2736	2751	16	su dmpdta164 (2061)	—	—
2752	2767	16	su dmpdta165 (2062)	—	—
2768	2783	16	su dmpdta166 (2062)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
2784	2799	16	su dmpdta167 (2062)	—	—
2800	2815	16	su dmpdta168 (2063)	—	—
2816	2831	16	su dmpdta169 (2063)	—	—
2832	2847	16	su dmpdta170 (2064)	—	—
2848	2863	16	su dmpdta171 (2064)	—	—
2864	2879	16	su dmpdta172 (2064)	—	—
2880	2895	16	su dmpdta173 (2065)	—	—
2896	2911	16	su dmpdta174 (2065)	—	—
2912	2927	16	su dmpdta175 (2065)	—	—
2928	2943	16	su dmpdta176 (2066)	—	—
2944	2959	16	su dmpdta177 (2066)	—	—
2960	2975	16	su dmpdta178 (2066)	—	—
2976	2991	16	su dmpdta179 (2067)	—	—
2992	3007	16	su dmpdta180 (2067)	—	—
3008	3023	16	su dmpdta181 (2068)	—	—
3024	3039	16	su dmpdta182 (2068)	—	—
3040	3055	16	su dmpdta183 (2068)	—	—
3056	3071	16	su dmpdta184 (2069)	—	—
3072	3087	16	su dmpdta185 (2069)	—	—
3088	3103	16	su dmpdta186 (2069)	—	—
3104	3119	16	su dmpdta187 (2070)	—	—
3120	3135	16	su dmpdta188 (2070)	—	—
3136	3151	16	su dmpdta189 (2070)	—	—
3152	3167	16	su dmpdta190 (2071)	—	—
3168	3183	16	su dmpdta191 (2071)	—	—
3184	3199	16	su dmpdta192 (2072)	—	—
3200	3215	16	su dmpdta193 (2072)	—	—
3216	3231	16	su dmpdta194 (2072)	—	—
3232	3247	16	su dmpdta195 (2073)	—	—
3248	3263	16	su dmpdta196 (2073)	—	—
3264	3279	16	su dmpdta197 (2073)	—	—
3280	3295	16	su dmpdta198 (2074)	—	—
3296	3311	16	su dmpdta199 (2074)	—	—
3312	3327	16	su dmpdta200 (2075)	—	—
3328	3343	16	su dmpdta201 (2075)	—	—
3344	3359	16	su dmpdta202 (2076)	—	—
3360	3375	16	su dmpdta203 (2076)	—	—
3376	3391	16	su dmpdta204 (2076)	—	—
3392	3407	16	su dmpdta205 (2077)	—	—
3408	3423	16	su dmpdta206 (2077)	—	—
3424	3439	16	su dmpdta207 (2077)	—	—
3440	3455	16	su dmpdta208 (2078)	—	—
3456	3471	16	su dmpdta209 (2078)	—	—
3472	3487	16	su dmpdta210 (2079)	—	—
3488	3503	16	su dmpdta211 (2079)	—	—
3504	3519	16	su dmpdta212 (2079)	—	—
3520	3535	16	su dmpdta213 (2080)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
3536	3551	16	su dmpdta214 (2080)	—	—
3552	3567	16	su dmpdta215 (2080)	—	—
3568	3583	16	su dmpdta216 (2081)	—	—
3584	3599	16	su dmpdta217 (2081)	—	—
3600	3615	16	su dmpdta218 (2081)	—	—
3616	3631	16	su dmpdta219 (2082)	—	—
3632	3647	16	su dmpdta220 (2082)	—	—
3648	3663	16	su dmpdta221 (2083)	—	—
3664	3679	16	su dmpdta222 (2083)	—	—
3680	3695	16	su dmpdta223 (2083)	—	—
3696	3711	16	su dmpdta224 (2084)	—	—
3712	3727	16	su dmpdta225 (2084)	—	—
3728	3743	16	su dmpdta226 (2084)	—	—
3744	3759	16	su dmpdta227 (2085)	—	—
3760	3775	16	su dmpdta228 (2085)	—	—
3776	3791	16	su dmpdta229 (2085)	—	—
3792	3807	16	su dmpdta230 (2086)	—	—
3808	3823	16	su dmpdta231 (2086)	—	—
3824	3839	16	su dmpdta232 (2087)	—	—
3840	3855	16	su dmpdta233 (2087)	—	—
3856	3871	16	su dmpdta234 (2087)	—	—
3872	3887	16	su dmpdta235 (2088)	—	—
3888	3903	16	su dmpdta236 (2088)	—	—
3904	3919	16	su dmpdta237 (2088)	—	—
3920	3935	16	su dmpdta238 (2089)	—	—
3936	3951	16	su dmpdta239 (2089)	—	—
3952	3967	16	su dmpdta240 (2090)	—	—
3968	3983	16	su dmpdta241 (2090)	—	—
3984	3999	16	su dmpdta242 (2090)	—	—
4000	4015	16	su dmpdta243 (2091)	—	—
4016	4031	16	su dmpdta244 (2091)	—	—
4032	4047	16	su dmpdta245 (2091)	—	—
4048	4063	16	su dmpdta246 (2092)	—	—
4064	4079	16	su dmpdta247 (2092)	—	—
4080	4095	16	su dmpdta248 (2092)	—	—
4096	4111	16	su dmpdta249 (2093)	—	—
4112	4127	16	su dmpdta250 (2093)	—	—
4128	4143	16	su dmpdta251 (2094)	—	—
4144	4159	16	su dmpdta252 (2094)	—	—
4160	4175	16	su dmpdta253 (2094)	—	—
4176	4191	16	su dmpdta254 (2095)	—	—
4192	4207	16	su dmpdta255 (2095)	—	—
4208	4223	16	su dmpdta256 (2095)	—	—
4224	4239	16	su dmpdta257 (2096)	—	—
4240	4255	16	su dmpdta258 (2096)	—	—
4256	4271	16	su dmpdta259 (2096)	—	—
4272	4287	16	su dmpdta260 (2097)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
4288	4303	16	su dmpdta261 (2097)	—	—
4304	4319	16	su dmpdta262 (2098)	—	—
4320	4335	16	su dmpdta263 (2098)	—	—
4336	4351	16	su dmpdta264 (2098)	—	—
4352	4367	16	su dmpdta265 (2099)	—	—
4368	4383	16	su dmpdta266 (2099)	—	—
4384	4399	16	su dmpdta267 (2099)	—	—
4400	4415	16	su dmpdta268 (2100)	—	—
4416	4431	16	su dmpdta269 (2100)	—	—
4432	4447	16	su dmpdta270 (2101)	—	—
4448	4463	16	su dmpdta271 (2101)	—	—
4464	4479	16	su dmpdta272 (2101)	—	—
4480	4495	16	su dmpdta273 (2102)	—	—
4496	4511	16	su dmpdta274 (2102)	—	—
4512	4527	16	su dmpdta275 (2102)	—	—
4528	4543	16	su dmpdta276 (2103)	—	—
4544	4559	16	su dmpdta277 (2103)	—	—
4560	4575	16	su dmpdta278 (2103)	—	—
4576	4591	16	su dmpdta279 (2104)	—	—
4592	4607	16	su dmpdta280 (2104)	—	—
4608	4623	16	su dmpdta281 (2105)	—	—
4624	4639	16	su dmpdta282 (2105)	—	—
4640	4655	16	su dmpdta283 (2105)	—	—
4656	4671	16	su dmpdta284 (2106)	—	—
4672	4687	16	su dmpdta285 (2106)	—	—
4688	4703	16	su dmpdta286 (2106)	—	—
4704	4719	16	su dmpdta287 (2107)	—	—
4720	4735	16	su dmpdta288 (2107)	—	—
4736	4751	16	su dmpdta289 (2107)	—	—
4752	4767	16	su dmpdta290 (2108)	—	—
4768	4783	16	su dmpdta291 (2108)	—	—
4784	4799	16	su dmpdta292 (2109)	—	—
4800	4815	16	su dmpdta293 (2109)	—	—
4816	4831	16	su dmpdta294 (2109)	—	—
4832	4847	16	su dmpdta295 (2110)	—	—
4848	4863	16	su dmpdta296 (2110)	—	—
4864	4879	16	su dmpdta297 (2110)	—	—
4880	4895	16	su dmpdta298 (2111)	—	—
4896	4911	16	su dmpdta299 (2111)	—	—
4912	4927	16	su dmpdta300 (2112)	—	—
4928	4943	16	su dmpdta301 (2112)	—	—
4944	4959	16	su dmpdta302 (2113)	—	—
4960	4975	16	su dmpdta303 (2113)	—	—
4976	4991	16	su dmpdta304 (2113)	—	—
4992	5007	16	su dmpdta305 (2114)	—	—
5008	5023	16	su dmpdta306 (2114)	—	—
5024	5039	16	su dmpdta307 (2114)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
5040	5055	16	su dmpdta308 (2115)	—	—
5056	5071	16	su dmpdta309 (2115)	—	—
5072	5087	16	su dmpdta310 (2116)	—	—
5088	5103	16	su dmpdta311 (2116)	—	—
5104	5119	16	su dmpdta312 (2116)	—	—
5120	5135	16	su dmpdta313 (2117)	—	—
5136	5151	16	su dmpdta314 (2117)	—	—
5152	5167	16	su dmpdta315 (2117)	—	—
5168	5183	16	su dmpdta316 (2118)	—	—
5184	5199	16	su dmpdta317 (2118)	—	—
5200	5215	16	su dmpdta318 (2118)	—	—
5216	5231	16	su dmpdta319 (2119)	—	—
5232	5247	16	su dmpdta320 (2119)	—	—
5248	5263	16	su dmpdta321 (2120)	—	—
5264	5279	16	su dmpdta322 (2120)	—	—
5280	5295	16	su dmpdta323 (2120)	—	—
5296	5311	16	su dmpdta324 (2121)	—	—
5312	5327	16	su dmpdta325 (2121)	—	—
5328	5343	16	su dmpdta326 (2121)	—	—
5344	5359	16	su dmpdta327 (2122)	—	—
5360	5375	16	su dmpdta328 (2122)	—	—
5376	5391	16	su dmpdta329 (2122)	—	—
5392	5407	16	su dmpdta330 (2123)	—	—
5408	5423	16	su dmpdta331 (2123)	—	—
5424	5439	16	su dmpdta332 (2124)	—	—
5440	5455	16	su dmpdta333 (2124)	—	—
5456	5471	16	su dmpdta334 (2124)	—	—
5472	5487	16	su dmpdta335 (2125)	—	—
5488	5503	16	su dmpdta336 (2125)	—	—
5504	5519	16	su dmpdta337 (2125)	—	—
5520	5535	16	su dmpdta338 (2126)	—	—
5536	5551	16	su dmpdta339 (2126)	—	—
5552	5567	16	su dmpdta340 (2127)	—	—
5568	5583	16	su dmpdta341 (2127)	—	—
5584	5599	16	su dmpdta342 (2127)	—	—
5600	5615	16	su dmpdta343 (2128)	—	—
5616	5631	16	su dmpdta344 (2128)	—	—
5632	5647	16	su dmpdta345 (2128)	—	—
5648	5663	16	su dmpdta346 (2129)	—	—
5664	5679	16	su dmpdta347 (2129)	—	—
5680	5695	16	su dmpdta348 (2129)	—	—
5696	5711	16	su dmpdta349 (2130)	—	—
5712	5727	16	su dmpdta350 (2130)	—	—
5728	5743	16	su dmpdta351 (2131)	—	—
5744	5759	16	su dmpdta352 (2131)	—	—
5760	5775	16	su dmpdta353 (2131)	—	—
5776	5791	16	su dmpdta354 (2132)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
5792	5807	16	su dmpdta355 (2132)	—	—
5808	5823	16	su dmpdta356 (2132)	—	—
5824	5839	16	su dmpdta357 (2133)	—	—
5840	5855	16	su dmpdta358 (2133)	—	—
5856	5871	16	su dmpdta359 (2133)	—	—
5872	5887	16	su dmpdta360 (2134)	—	—
5888	5903	16	su dmpdta361 (2134)	—	—
5904	5919	16	su dmpdta362 (2135)	—	—
5920	5935	16	su dmpdta363 (2135)	—	—
5936	5951	16	su dmpdta364 (2135)	—	—
5952	5967	16	su dmpdta365 (2136)	—	—
5968	5983	16	su dmpdta366 (2136)	—	—
5984	5999	16	su dmpdta367 (2136)	—	—
6000	6015	16	su dmpdta368 (2137)	—	—
6016	6031	16	su dmpdta369 (2137)	—	—
6032	6047	16	su dmpdta370 (2138)	—	—
6048	6063	16	su dmpdta371 (2138)	—	—
6064	6079	16	su dmpdta372 (2138)	—	—
6080	6095	16	su dmpdta373 (2139)	—	—
6096	6111	16	su dmpdta374 (2139)	—	—
6112	6127	16	su dmpdta375 (2139)	—	—
6128	6143	16	su dmpdta376 (2140)	—	—
6144	6159	16	su dmpdta377 (2140)	—	—
6160	6175	16	su dmpdta378 (2140)	—	—
6176	6191	16	su dmpdta379 (2141)	—	—
6192	6207	16	su dmpdta380 (2141)	—	—
6208	6223	16	su dmpdta381 (2142)	—	—
6224	6239	16	su dmpdta382 (2142)	—	—
6240	6255	16	su dmpdta383 (2142)	—	—
6256	6271	16	su dmpdta384 (2143)	—	—
6272	6287	16	su dmpdta385 (2143)	—	—
6288	6303	16	su dmpdta386 (2143)	—	—
6304	6319	16	su dmpdta387 (2144)	—	—
6320	6335	16	su dmpdta388 (2144)	—	—
6336	6351	16	su dmpdta389 (2144)	—	—
6352	6367	16	su dmpdta390 (2145)	—	—
6368	6383	16	su dmpdta391 (2145)	—	—
6384	6399	16	su dmpdta392 (2146)	—	—
6400	6415	16	su dmpdta393 (2146)	—	—
6416	6431	16	su dmpdta394 (2146)	—	—
6432	6447	16	su dmpdta395 (2147)	—	—
6448	6463	16	su dmpdta396 (2147)	—	—
6464	6479	16	su dmpdta397 (2147)	—	—
6480	6495	16	su dmpdta398 (2148)	—	—
6496	6511	16	su dmpdta399 (2148)	—	—
6512	6527	16	su dmpdta400 (2149)	—	—
6528	6543	16	su dmpdta401 (2149)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
6544	6559	16	su dmpdta402 (2150)	—	—
6560	6575	16	su dmpdta403 (2150)	—	—
6576	6591	16	su dmpdta404 (2150)	—	—
6592	6607	16	su dmpdta405 (2151)	—	—
6608	6623	16	su dmpdta406 (2151)	—	—
6624	6639	16	su dmpdta407 (2151)	—	—
6640	6655	16	su dmpdta408 (2152)	—	—
6656	6671	16	su dmpdta409 (2152)	—	—
6672	6687	16	su dmpdta410 (2153)	—	—
6688	6703	16	su dmpdta411 (2153)	—	—
6704	6719	16	su dmpdta412 (2153)	—	—
6720	6735	16	su dmpdta413 (2154)	—	—
6736	6751	16	su dmpdta414 (2154)	—	—
6752	6767	16	su dmpdta415 (2154)	—	—
6768	6783	16	su dmpdta416 (2155)	—	—
6784	6799	16	su dmpdta417 (2155)	—	—
6800	6815	16	su dmpdta418 (2155)	—	—
6816	6831	16	su dmpdta419 (2156)	—	—
6832	6847	16	su dmpdta420 (2156)	—	—
6848	6863	16	su dmpdta421 (2157)	—	—
6864	6879	16	su dmpdta422 (2157)	—	—
6880	6895	16	su dmpdta423 (2157)	—	—
6896	6911	16	su dmpdta424 (2158)	—	—
6912	6927	16	su dmpdta425 (2158)	—	—
6928	6943	16	su dmpdta426 (2158)	—	—
6944	6959	16	su dmpdta427 (2159)	—	—
6960	6975	16	su dmpdta428 (2159)	—	—
6976	6991	16	su dmpdta429 (2159)	—	—
6992	7007	16	su dmpdta430 (2160)	—	—
7008	7023	16	su dmpdta431 (2160)	—	—
7024	7039	16	su dmpdta432 (2161)	—	—
7040	7055	16	su dmpdta433 (2161)	—	—
7056	7071	16	su dmpdta434 (2161)	—	—
7072	7087	16	su dmpdta435 (2162)	—	—
7088	7103	16	su dmpdta436 (2162)	—	—
7104	7119	16	su dmpdta437 (2162)	—	—
7120	7135	16	su dmpdta438 (2163)	—	—
7136	7151	16	su dmpdta439 (2163)	—	—
7152	7167	16	su dmpdta440 (2164)	—	—
7168	7183	16	su dmpdta441 (2164)	—	—
7184	7199	16	su dmpdta442 (2164)	—	—
7200	7215	16	su dmpdta443 (2165)	—	—
7216	7231	16	su dmpdta444 (2165)	—	—
7232	7247	16	su dmpdta445 (2165)	—	—
7248	7263	16	su dmpdta446 (2166)	—	—
7264	7279	16	su dmpdta447 (2166)	—	—
7280	7295	16	su dmpdta448 (2166)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
7296	7311	16	su dmpdta449 (2167)	—	—
7312	7327	16	su dmpdta450 (2167)	—	—
7328	7343	16	su dmpdta451 (2168)	—	—
7344	7359	16	su dmpdta452 (2168)	—	—
7360	7375	16	su dmpdta453 (2168)	—	—
7376	7391	16	su dmpdta454 (2169)	—	—
7392	7407	16	su dmpdta455 (2169)	—	—
7408	7423	16	su dmpdta456 (2169)	—	—
7424	7439	16	su dmpdta457 (2170)	—	—
7440	7455	16	su dmpdta458 (2170)	—	—
7456	7471	16	su dmpdta459 (2170)	—	—
7472	7487	16	su dmpdta460 (2171)	—	—
7488	7503	16	su dmpdta461 (2171)	—	—
7504	7519	16	su dmpdta462 (2172)	—	—
7520	7535	16	su dmpdta463 (2172)	—	—
7536	7551	16	su dmpdta464 (2172)	—	—
7552	7567	16	su dmpdta465 (2173)	—	—
7568	7583	16	su dmpdta466 (2173)	—	—
7584	7599	16	su dmpdta467 (2173)	—	—
7600	7615	16	su dmpdta468 (2174)	—	—
7616	7631	16	su dmpdta469 (2174)	—	—
7632	7647	16	su dmpdta470 (2175)	—	—
7648	7663	16	su dmpdta471 (2175)	—	—
7664	7679	16	su dmpdta472 (2175)	—	—
7680	7695	16	su dmpdta473 (2176)	—	—
7696	7711	16	su dmpdta474 (2176)	—	—
7712	7727	16	su dmpdta475 (2176)	—	—
7728	7743	16	su dmpdta476 (2177)	—	—
7744	7759	16	su dmpdta477 (2177)	—	—
7760	7775	16	su dmpdta478 (2177)	—	—
7776	7791	16	su dmpdta479 (2178)	—	—
7792	7807	16	su dmpdta480 (2178)	—	—
7808	7823	16	su dmpdta481 (2179)	—	—
7824	7839	16	su dmpdta482 (2179)	—	—
7840	7855	16	su dmpdta483 (2179)	—	—
7856	7871	16	su dmpdta484 (2180)	—	—
7872	7887	16	su dmpdta485 (2180)	—	—
7888	7903	16	su dmpdta486 (2180)	—	—
7904	7919	16	su dmpdta487 (2181)	—	—
7920	7935	16	su dmpdta488 (2181)	—	—
7936	7951	16	su dmpdta489 (2181)	—	—
7952	7967	16	su dmpdta490 (2182)	—	—
7968	7983	16	su dmpdta491 (2182)	—	—
7984	7999	16	su dmpdta492 (2183)	—	—
8000	8015	16	su dmpdta493 (2183)	—	—
8016	8031	16	su dmpdta494 (2183)	—	—
8032	8047	16	su dmpdta495 (2184)	—	—

Packet **su omdmp** Format, cont'd

start bit	stop bit	size bits	field		
8048	8063	16	su dmpdta496 (2184)	—	—
8064	8079	16	su dmpdta497 (2184)	—	—
8080	8095	16	su dmpdta498 (2185)	—	—
8096	8111	16	su dmpdta499 (2185)	—	—
8112	8127	16	su dmpdta500 (2186)	—	—
8128	8143	16	su dmpdta501 (2186)	—	—
8144	8159	16	su dmpdta502 (2187)	—	—
8160	8175	16	su dmpdta503 (2187)	—	—
8176	8191	16	su dmpdta504 (2187)	—	—
8192	8207	16	su dmpdta505 (2188)	—	—
8208	8223	16	su dmpdta506 (2188)	—	—
8224	8239	16	su dmpdta507 (2188)	—	—
8240	8255	16	su dmpdta508 (2189)	—	—
8256	8271	16	su dmpdta509 (2189)	—	—
8272	8287	16	su dmpdta510 (2190)	—	—
8288	8303	16	su dmpdta511 (2190)	—	—

Packet size = 8304 bits (1038 bytes) .

F.39 su omhk

Packet Source Application Identifier

0x0cb (203)

OASIS Stream Name

su203

Description

SuROM Houskeeping TLM Paket

Format

Packet **su omhk** Format

start bit	stop bit	size bits	field	control	method
0	15	16	su rrmpid (2231)	—	—
16	17	2	su rromsflg (2233)	—	—
18	31	14	su rromsct (2232)	—	—
32	47	16	su rrompl (2231)	—	—
48	63	16	su rromhws (2225)	—	—
64	79	16	su rromlws (2228)	—	—
80	95	16	su rromhwss (2226)	—	—
96	111	16	su rromlwss (2228)	—	—
112	127	16	su rromulcirqcnt (2236)	—	—
128	143	16	su rromcmdaccnt (2214)	—	—
144	159	16	su rromcmdrjct (2219)	—	—
160	175	16	su rrombootcnt (2212)	—	—
176	191	16	su rromobcst (2229)	—	—
192	207	16	su wrdsp (2236)	—	—
208	239	32	su rromlstpeekedadr (2227)	—	—
240	271	32	su rrompeekrsp (2231)	—	—
272	303	32	su lstcrcadr (2208)	—	—
304	335	32	su lstcrcbytecnt (2208)	—	—
336	367	32	su lstcrc (2208)	—	—
368	399	32	su rromccw (2212)	—	—
400	415	16	su rromcsw (2220)	—	—
416	431	16	su rromchkerrcnt1 (2213)	—	—
432	447	16	su rromchkerrcnt2 (2213)	—	—
448	463	16	su rromchkerrcnt3 (2213)	—	—
464	471	8	su rromcmdfffcn0 (2217)	—	—
472	479	8	su rromsp0hk (2233)	—	—
480	495	16	su rromcmdffapid0 (2214)	—	—
496	503	8	su rromcmdfffcn1 (2217)	—	—
504	511	8	su rromsp1hk (2233)	—	—
512	527	16	su rromcmdffapid1 (2214)	—	—
528	535	8	su rromcmdfffcn2 (2217)	—	—
536	543	8	su rromsp2hk (2234)	—	—
544	559	16	su rromcmdffapid2 (2215)	—	—
560	567	8	su rromcmdfffcn3 (2218)	—	—

Packet **su omhk** Format, cont'd

start bit	stop bit	size bits	field		
568	575	8	su rromsp3hk (2234)	—	—
576	591	16	su rromcmdffapid3 (2215)	—	—
592	599	8	su rromcmdfffc4 (2218)	—	—
600	607	8	su rromsp4hk (2234)	—	—
608	623	16	su rromcmdffapid4 (2215)	—	—
624	631	8	su rromcmdfffc5 (2218)	—	—
632	639	8	su rromsp5hk (2235)	—	—
640	655	16	su rromcmdffapid5 (2216)	—	—
656	663	8	su rromcmdfffc6 (2219)	—	—
664	671	8	su rromsp6hk (2235)	—	—
672	687	16	su rromcmdffapid6 (2216)	—	—
688	695	8	su rromcmdfffc7 (2219)	—	—
696	703	8	su rromsp7hk (2235)	—	—
704	719	16	su rromcmdffapid7 (2216)	—	—
720	751	32	su rromeis0 (2222)	—	—
752	783	32	su rromeis1 (2222)	—	—
784	815	32	su rromeim0 (2221)	—	—
816	847	32	su rromeim1 (2221)	—	—
848	879	32	su rromirr (2226)	—	—
880	911	32	su rromeir (2221)	—	—
912	943	32	su rrommir (2229)	—	—
944	975	32	su rromeesr (2220)	—	—
976	1007	32	su rromeear (2220)	—	—
1008	1039	32	su rrommesr (2229)	—	—
1040	1071	32	su rrommear (2228)	—	—
1072	1103	32	su rromsbsr (2232)	—	—
1104	1135	32	su rromsbar (2232)	—	—
1136	1167	32	su rromliostat (2227)	—	—
1168	1199	32	su rromliobrerrst (2226)	—	—
1200	1231	32	su rrompcistat (2230)	—	—
1232	1263	32	su rrompassubassy (2230)	—	—
1264	1295	32	su rrompascmdrsp (2230)	—	—
1296	1327	32	su rromliopids (2227)	—	—
1328	1359	32	su rromambistat (2212)	—	—
1360	1391	32	su rromambipids (2211)	—	—
1392	1423	32	su rromhsshealth1 (2222)	—	—
1424	1455	32	su rromhsshealth2 (2223)	—	—
1456	1487	32	su rromhsshealth3 (2223)	—	—
1488	1519	32	su rromhsshealth4 (2223)	—	—
1520	1551	32	su rromhssirqst1 (2224)	—	—
1552	1583	32	su rromhssirqst2 (2224)	—	—
1584	1615	32	su rromhssirqst3 (2224)	—	—
1616	1647	32	su rromhssirqst4 (2225)	—	—
1648	1679	32	su rromhsspids (2225)	—	—

Packet size = 1680 bits (210 bytes) .

F.40 sx s1_mem_dmp_pkt

Packet Source Application Identifier

0x05d (93)

OASIS Stream Name

sx93

Description

Memory Dump packet within the Uplink VCDU, sent by S1

Format

Packet **sx s1_mem_dmp_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	sx s1mdpid (2396)	—	—
16	17	2	sx s1memsumpsflg (2399)	—	—
18	31	14	sx s1memsumpsct (2399)	—	—
32	47	16	sx s1memsumppl (2399)	—	—
48	63	16	sx s1mdtmhws (2397)	—	—
64	79	16	sx s1mdtmlws (2398)	—	—
80	95	16	sx s1mdtmhwss (2397)	—	—
96	111	16	sx s1mdtmlwss (2398)	—	—
112	112	1	sx s1mdtype (2398)	—	—
113	143	31	sx s1mdstadr (2397)	—	—
144	159	16	sx s1mddta0 (2238)	—	—
160	175	16	sx s1mddta1 (2239)	—	—
176	191	16	sx s1mddta2 (2276)	—	—
192	207	16	sx s1mddta3 (2313)	—	—
208	223	16	sx s1mddta4 (2350)	—	—
224	239	16	sx s1mddta5 (2378)	—	—
240	255	16	sx s1mddta6 (2382)	—	—
256	271	16	sx s1mddta7 (2385)	—	—
272	287	16	sx s1mddta8 (2389)	—	—
288	303	16	sx s1mddta9 (2393)	—	—
304	319	16	sx s1mddta10 (2239)	—	—
320	335	16	sx s1mddta11 (2243)	—	—
336	351	16	sx s1mddta12 (2246)	—	—
352	367	16	sx s1mddta13 (2250)	—	—
368	383	16	sx s1mddta14 (2254)	—	—
384	399	16	sx s1mddta15 (2257)	—	—
400	415	16	sx s1mddta16 (2261)	—	—
416	431	16	sx s1mddta17 (2265)	—	—
432	447	16	sx s1mddta18 (2268)	—	—
448	463	16	sx s1mddta19 (2272)	—	—
464	479	16	sx s1mddta20 (2276)	—	—
480	495	16	sx s1mddta21 (2280)	—	—
496	511	16	sx s1mddta22 (2283)	—	—
512	527	16	sx s1mddta23 (2287)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	sx s1mddta24 (2291)	—	—
544	559	16	sx s1mddta25 (2294)	—	—
560	575	16	sx s1mddta26 (2298)	—	—
576	591	16	sx s1mddta27 (2302)	—	—
592	607	16	sx s1mddta28 (2305)	—	—
608	623	16	sx s1mddta29 (2309)	—	—
624	639	16	sx s1mddta30 (2313)	—	—
640	655	16	sx s1mddta31 (2317)	—	—
656	671	16	sx s1mddta32 (2320)	—	—
672	687	16	sx s1mddta33 (2324)	—	—
688	703	16	sx s1mddta34 (2328)	—	—
704	719	16	sx s1mddta35 (2331)	—	—
720	735	16	sx s1mddta36 (2335)	—	—
736	751	16	sx s1mddta37 (2339)	—	—
752	767	16	sx s1mddta38 (2342)	—	—
768	783	16	sx s1mddta39 (2346)	—	—
784	799	16	sx s1mddta40 (2350)	—	—
800	815	16	sx s1mddta41 (2354)	—	—
816	831	16	sx s1mddta42 (2357)	—	—
832	847	16	sx s1mddta43 (2361)	—	—
848	863	16	sx s1mddta44 (2365)	—	—
864	879	16	sx s1mddta45 (2368)	—	—
880	895	16	sx s1mddta46 (2372)	—	—
896	911	16	sx s1mddta47 (2376)	—	—
912	927	16	sx s1mddta48 (2377)	—	—
928	943	16	sx s1mddta49 (2378)	—	—
944	959	16	sx s1mddta50 (2378)	—	—
960	975	16	sx s1mddta51 (2379)	—	—
976	991	16	sx s1mddta52 (2379)	—	—
992	1007	16	sx s1mddta53 (2379)	—	—
1008	1023	16	sx s1mddta54 (2380)	—	—
1024	1039	16	sx s1mddta55 (2380)	—	—
1040	1055	16	sx s1mddta56 (2380)	—	—
1056	1071	16	sx s1mddta57 (2381)	—	—
1072	1087	16	sx s1mddta58 (2381)	—	—
1088	1103	16	sx s1mddta59 (2381)	—	—
1104	1119	16	sx s1mddta60 (2382)	—	—
1120	1135	16	sx s1mddta61 (2382)	—	—
1136	1151	16	sx s1mddta62 (2383)	—	—
1152	1167	16	sx s1mddta63 (2383)	—	—
1168	1183	16	sx s1mddta64 (2383)	—	—
1184	1199	16	sx s1mddta65 (2384)	—	—
1200	1215	16	sx s1mddta66 (2384)	—	—
1216	1231	16	sx s1mddta67 (2384)	—	—
1232	1247	16	sx s1mddta68 (2385)	—	—
1248	1263	16	sx s1mddta69 (2385)	—	—
1264	1279	16	sx s1mddta70 (2386)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	sx s1mddta71 (2386)	—	—
1296	1311	16	sx s1mddta72 (2386)	—	—
1312	1327	16	sx s1mddta73 (2387)	—	—
1328	1343	16	sx s1mddta74 (2387)	—	—
1344	1359	16	sx s1mddta75 (2387)	—	—
1360	1375	16	sx s1mddta76 (2388)	—	—
1376	1391	16	sx s1mddta77 (2388)	—	—
1392	1407	16	sx s1mddta78 (2388)	—	—
1408	1423	16	sx s1mddta79 (2389)	—	—
1424	1439	16	sx s1mddta80 (2389)	—	—
1440	1455	16	sx s1mddta81 (2390)	—	—
1456	1471	16	sx s1mddta82 (2390)	—	—
1472	1487	16	sx s1mddta83 (2390)	—	—
1488	1503	16	sx s1mddta84 (2391)	—	—
1504	1519	16	sx s1mddta85 (2391)	—	—
1520	1535	16	sx s1mddta86 (2391)	—	—
1536	1551	16	sx s1mddta87 (2392)	—	—
1552	1567	16	sx s1mddta88 (2392)	—	—
1568	1583	16	sx s1mddta89 (2392)	—	—
1584	1599	16	sx s1mddta90 (2393)	—	—
1600	1615	16	sx s1mddta91 (2393)	—	—
1616	1631	16	sx s1mddta92 (2394)	—	—
1632	1647	16	sx s1mddta93 (2394)	—	—
1648	1663	16	sx s1mddta94 (2394)	—	—
1664	1679	16	sx s1mddta95 (2395)	—	—
1680	1695	16	sx s1mddta96 (2395)	—	—
1696	1711	16	sx s1mddta97 (2395)	—	—
1712	1727	16	sx s1mddta98 (2396)	—	—
1728	1743	16	sx s1mddta99 (2396)	—	—
1744	1759	16	sx s1mddta100 (2239)	—	—
1760	1775	16	sx s1mddta101 (2240)	—	—
1776	1791	16	sx s1mddta102 (2240)	—	—
1792	1807	16	sx s1mddta103 (2240)	—	—
1808	1823	16	sx s1mddta104 (2241)	—	—
1824	1839	16	sx s1mddta105 (2241)	—	—
1840	1855	16	sx s1mddta106 (2241)	—	—
1856	1871	16	sx s1mddta107 (2242)	—	—
1872	1887	16	sx s1mddta108 (2242)	—	—
1888	1903	16	sx s1mddta109 (2242)	—	—
1904	1919	16	sx s1mddta110 (2243)	—	—
1920	1935	16	sx s1mddta111 (2243)	—	—
1936	1951	16	sx s1mddta112 (2244)	—	—
1952	1967	16	sx s1mddta113 (2244)	—	—
1968	1983	16	sx s1mddta114 (2244)	—	—
1984	1999	16	sx s1mddta115 (2245)	—	—
2000	2015	16	sx s1mddta116 (2245)	—	—
2016	2031	16	sx s1mddta117 (2245)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2032	2047	16	sx s1mddta118 (2246)	—	—
2048	2063	16	sx s1mddta119 (2246)	—	—
2064	2079	16	sx s1mddta120 (2247)	—	—
2080	2095	16	sx s1mddta121 (2247)	—	—
2096	2111	16	sx s1mddta122 (2247)	—	—
2112	2127	16	sx s1mddta123 (2248)	—	—
2128	2143	16	sx s1mddta124 (2248)	—	—
2144	2159	16	sx s1mddta125 (2248)	—	—
2160	2175	16	sx s1mddta126 (2249)	—	—
2176	2191	16	sx s1mddta127 (2249)	—	—
2192	2207	16	sx s1mddta128 (2249)	—	—
2208	2223	16	sx s1mddta129 (2250)	—	—
2224	2239	16	sx s1mddta130 (2250)	—	—
2240	2255	16	sx s1mddta131 (2251)	—	—
2256	2271	16	sx s1mddta132 (2251)	—	—
2272	2287	16	sx s1mddta133 (2251)	—	—
2288	2303	16	sx s1mddta134 (2252)	—	—
2304	2319	16	sx s1mddta135 (2252)	—	—
2320	2335	16	sx s1mddta136 (2252)	—	—
2336	2351	16	sx s1mddta137 (2253)	—	—
2352	2367	16	sx s1mddta138 (2253)	—	—
2368	2383	16	sx s1mddta139 (2253)	—	—
2384	2399	16	sx s1mddta140 (2254)	—	—
2400	2415	16	sx s1mddta141 (2254)	—	—
2416	2431	16	sx s1mddta142 (2255)	—	—
2432	2447	16	sx s1mddta143 (2255)	—	—
2448	2463	16	sx s1mddta144 (2255)	—	—
2464	2479	16	sx s1mddta145 (2256)	—	—
2480	2495	16	sx s1mddta146 (2256)	—	—
2496	2511	16	sx s1mddta147 (2256)	—	—
2512	2527	16	sx s1mddta148 (2257)	—	—
2528	2543	16	sx s1mddta149 (2257)	—	—
2544	2559	16	sx s1mddta150 (2258)	—	—
2560	2575	16	sx s1mddta151 (2258)	—	—
2576	2591	16	sx s1mddta152 (2258)	—	—
2592	2607	16	sx s1mddta153 (2259)	—	—
2608	2623	16	sx s1mddta154 (2259)	—	—
2624	2639	16	sx s1mddta155 (2259)	—	—
2640	2655	16	sx s1mddta156 (2260)	—	—
2656	2671	16	sx s1mddta157 (2260)	—	—
2672	2687	16	sx s1mddta158 (2260)	—	—
2688	2703	16	sx s1mddta159 (2261)	—	—
2704	2719	16	sx s1mddta160 (2261)	—	—
2720	2735	16	sx s1mddta161 (2262)	—	—
2736	2751	16	sx s1mddta162 (2262)	—	—
2752	2767	16	sx s1mddta163 (2262)	—	—
2768	2783	16	sx s1mddta164 (2263)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2784	2799	16	sx s1mddta165 (2263)	—	—
2800	2815	16	sx s1mddta166 (2263)	—	—
2816	2831	16	sx s1mddta167 (2264)	—	—
2832	2847	16	sx s1mddta168 (2264)	—	—
2848	2863	16	sx s1mddta169 (2264)	—	—
2864	2879	16	sx s1mddta170 (2265)	—	—
2880	2895	16	sx s1mddta171 (2265)	—	—
2896	2911	16	sx s1mddta172 (2266)	—	—
2912	2927	16	sx s1mddta173 (2266)	—	—
2928	2943	16	sx s1mddta174 (2266)	—	—
2944	2959	16	sx s1mddta175 (2267)	—	—
2960	2975	16	sx s1mddta176 (2267)	—	—
2976	2991	16	sx s1mddta177 (2267)	—	—
2992	3007	16	sx s1mddta178 (2268)	—	—
3008	3023	16	sx s1mddta179 (2268)	—	—
3024	3039	16	sx s1mddta180 (2269)	—	—
3040	3055	16	sx s1mddta181 (2269)	—	—
3056	3071	16	sx s1mddta182 (2269)	—	—
3072	3087	16	sx s1mddta183 (2270)	—	—
3088	3103	16	sx s1mddta184 (2270)	—	—
3104	3119	16	sx s1mddta185 (2270)	—	—
3120	3135	16	sx s1mddta186 (2271)	—	—
3136	3151	16	sx s1mddta187 (2271)	—	—
3152	3167	16	sx s1mddta188 (2271)	—	—
3168	3183	16	sx s1mddta189 (2272)	—	—
3184	3199	16	sx s1mddta190 (2272)	—	—
3200	3215	16	sx s1mddta191 (2273)	—	—
3216	3231	16	sx s1mddta192 (2273)	—	—
3232	3247	16	sx s1mddta193 (2273)	—	—
3248	3263	16	sx s1mddta194 (2274)	—	—
3264	3279	16	sx s1mddta195 (2274)	—	—
3280	3295	16	sx s1mddta196 (2274)	—	—
3296	3311	16	sx s1mddta197 (2275)	—	—
3312	3327	16	sx s1mddta198 (2275)	—	—
3328	3343	16	sx s1mddta199 (2275)	—	—
3344	3359	16	sx s1mddta200 (2276)	—	—
3360	3375	16	sx s1mddta201 (2277)	—	—
3376	3391	16	sx s1mddta202 (2277)	—	—
3392	3407	16	sx s1mddta203 (2277)	—	—
3408	3423	16	sx s1mddta204 (2278)	—	—
3424	3439	16	sx s1mddta205 (2278)	—	—
3440	3455	16	sx s1mddta206 (2278)	—	—
3456	3471	16	sx s1mddta207 (2279)	—	—
3472	3487	16	sx s1mddta208 (2279)	—	—
3488	3503	16	sx s1mddta209 (2279)	—	—
3504	3519	16	sx s1mddta210 (2280)	—	—
3520	3535	16	sx s1mddta211 (2280)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3536	3551	16	sx s1mddta212 (2281)	—	—
3552	3567	16	sx s1mddta213 (2281)	—	—
3568	3583	16	sx s1mddta214 (2281)	—	—
3584	3599	16	sx s1mddta215 (2282)	—	—
3600	3615	16	sx s1mddta216 (2282)	—	—
3616	3631	16	sx s1mddta217 (2282)	—	—
3632	3647	16	sx s1mddta218 (2283)	—	—
3648	3663	16	sx s1mddta219 (2283)	—	—
3664	3679	16	sx s1mddta220 (2284)	—	—
3680	3695	16	sx s1mddta221 (2284)	—	—
3696	3711	16	sx s1mddta222 (2284)	—	—
3712	3727	16	sx s1mddta223 (2285)	—	—
3728	3743	16	sx s1mddta224 (2285)	—	—
3744	3759	16	sx s1mddta225 (2285)	—	—
3760	3775	16	sx s1mddta226 (2286)	—	—
3776	3791	16	sx s1mddta227 (2286)	—	—
3792	3807	16	sx s1mddta228 (2286)	—	—
3808	3823	16	sx s1mddta229 (2287)	—	—
3824	3839	16	sx s1mddta230 (2287)	—	—
3840	3855	16	sx s1mddta231 (2288)	—	—
3856	3871	16	sx s1mddta232 (2288)	—	—
3872	3887	16	sx s1mddta233 (2288)	—	—
3888	3903	16	sx s1mddta234 (2289)	—	—
3904	3919	16	sx s1mddta235 (2289)	—	—
3920	3935	16	sx s1mddta236 (2289)	—	—
3936	3951	16	sx s1mddta237 (2290)	—	—
3952	3967	16	sx s1mddta238 (2290)	—	—
3968	3983	16	sx s1mddta239 (2290)	—	—
3984	3999	16	sx s1mddta240 (2291)	—	—
4000	4015	16	sx s1mddta241 (2291)	—	—
4016	4031	16	sx s1mddta242 (2292)	—	—
4032	4047	16	sx s1mddta243 (2292)	—	—
4048	4063	16	sx s1mddta244 (2292)	—	—
4064	4079	16	sx s1mddta245 (2293)	—	—
4080	4095	16	sx s1mddta246 (2293)	—	—
4096	4111	16	sx s1mddta247 (2293)	—	—
4112	4127	16	sx s1mddta248 (2294)	—	—
4128	4143	16	sx s1mddta249 (2294)	—	—
4144	4159	16	sx s1mddta250 (2295)	—	—
4160	4175	16	sx s1mddta251 (2295)	—	—
4176	4191	16	sx s1mddta252 (2295)	—	—
4192	4207	16	sx s1mddta253 (2296)	—	—
4208	4223	16	sx s1mddta254 (2296)	—	—
4224	4239	16	sx s1mddta255 (2296)	—	—
4240	4255	16	sx s1mddta256 (2297)	—	—
4256	4271	16	sx s1mddta257 (2297)	—	—
4272	4287	16	sx s1mddta258 (2297)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
4288	4303	16	sx s1mddta259 (2298)	—	—
4304	4319	16	sx s1mddta260 (2298)	—	—
4320	4335	16	sx s1mddta261 (2299)	—	—
4336	4351	16	sx s1mddta262 (2299)	—	—
4352	4367	16	sx s1mddta263 (2299)	—	—
4368	4383	16	sx s1mddta264 (2300)	—	—
4384	4399	16	sx s1mddta265 (2300)	—	—
4400	4415	16	sx s1mddta266 (2300)	—	—
4416	4431	16	sx s1mddta267 (2301)	—	—
4432	4447	16	sx s1mddta268 (2301)	—	—
4448	4463	16	sx s1mddta269 (2301)	—	—
4464	4479	16	sx s1mddta270 (2302)	—	—
4480	4495	16	sx s1mddta271 (2302)	—	—
4496	4511	16	sx s1mddta272 (2303)	—	—
4512	4527	16	sx s1mddta273 (2303)	—	—
4528	4543	16	sx s1mddta274 (2303)	—	—
4544	4559	16	sx s1mddta275 (2304)	—	—
4560	4575	16	sx s1mddta276 (2304)	—	—
4576	4591	16	sx s1mddta277 (2304)	—	—
4592	4607	16	sx s1mddta278 (2305)	—	—
4608	4623	16	sx s1mddta279 (2305)	—	—
4624	4639	16	sx s1mddta280 (2306)	—	—
4640	4655	16	sx s1mddta281 (2306)	—	—
4656	4671	16	sx s1mddta282 (2306)	—	—
4672	4687	16	sx s1mddta283 (2307)	—	—
4688	4703	16	sx s1mddta284 (2307)	—	—
4704	4719	16	sx s1mddta285 (2307)	—	—
4720	4735	16	sx s1mddta286 (2308)	—	—
4736	4751	16	sx s1mddta287 (2308)	—	—
4752	4767	16	sx s1mddta288 (2308)	—	—
4768	4783	16	sx s1mddta289 (2309)	—	—
4784	4799	16	sx s1mddta290 (2309)	—	—
4800	4815	16	sx s1mddta291 (2310)	—	—
4816	4831	16	sx s1mddta292 (2310)	—	—
4832	4847	16	sx s1mddta293 (2310)	—	—
4848	4863	16	sx s1mddta294 (2311)	—	—
4864	4879	16	sx s1mddta295 (2311)	—	—
4880	4895	16	sx s1mddta296 (2311)	—	—
4896	4911	16	sx s1mddta297 (2312)	—	—
4912	4927	16	sx s1mddta298 (2312)	—	—
4928	4943	16	sx s1mddta299 (2312)	—	—
4944	4959	16	sx s1mddta300 (2313)	—	—
4960	4975	16	sx s1mddta301 (2314)	—	—
4976	4991	16	sx s1mddta302 (2314)	—	—
4992	5007	16	sx s1mddta303 (2314)	—	—
5008	5023	16	sx s1mddta304 (2315)	—	—
5024	5039	16	sx s1mddta305 (2315)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5040	5055	16	sx s1mddta306 (2315)	—	—
5056	5071	16	sx s1mddta307 (2316)	—	—
5072	5087	16	sx s1mddta308 (2316)	—	—
5088	5103	16	sx s1mddta309 (2316)	—	—
5104	5119	16	sx s1mddta310 (2317)	—	—
5120	5135	16	sx s1mddta311 (2317)	—	—
5136	5151	16	sx s1mddta312 (2318)	—	—
5152	5167	16	sx s1mddta313 (2318)	—	—
5168	5183	16	sx s1mddta314 (2318)	—	—
5184	5199	16	sx s1mddta315 (2319)	—	—
5200	5215	16	sx s1mddta316 (2319)	—	—
5216	5231	16	sx s1mddta317 (2319)	—	—
5232	5247	16	sx s1mddta318 (2320)	—	—
5248	5263	16	sx s1mddta319 (2320)	—	—
5264	5279	16	sx s1mddta320 (2321)	—	—
5280	5295	16	sx s1mddta321 (2321)	—	—
5296	5311	16	sx s1mddta322 (2321)	—	—
5312	5327	16	sx s1mddta323 (2322)	—	—
5328	5343	16	sx s1mddta324 (2322)	—	—
5344	5359	16	sx s1mddta325 (2322)	—	—
5360	5375	16	sx s1mddta326 (2323)	—	—
5376	5391	16	sx s1mddta327 (2323)	—	—
5392	5407	16	sx s1mddta328 (2323)	—	—
5408	5423	16	sx s1mddta329 (2324)	—	—
5424	5439	16	sx s1mddta330 (2324)	—	—
5440	5455	16	sx s1mddta331 (2325)	—	—
5456	5471	16	sx s1mddta332 (2325)	—	—
5472	5487	16	sx s1mddta333 (2325)	—	—
5488	5503	16	sx s1mddta334 (2326)	—	—
5504	5519	16	sx s1mddta335 (2326)	—	—
5520	5535	16	sx s1mddta336 (2326)	—	—
5536	5551	16	sx s1mddta337 (2327)	—	—
5552	5567	16	sx s1mddta338 (2327)	—	—
5568	5583	16	sx s1mddta339 (2327)	—	—
5584	5599	16	sx s1mddta340 (2328)	—	—
5600	5615	16	sx s1mddta341 (2328)	—	—
5616	5631	16	sx s1mddta342 (2329)	—	—
5632	5647	16	sx s1mddta343 (2329)	—	—
5648	5663	16	sx s1mddta344 (2329)	—	—
5664	5679	16	sx s1mddta345 (2330)	—	—
5680	5695	16	sx s1mddta346 (2330)	—	—
5696	5711	16	sx s1mddta347 (2330)	—	—
5712	5727	16	sx s1mddta348 (2331)	—	—
5728	5743	16	sx s1mddta349 (2331)	—	—
5744	5759	16	sx s1mddta350 (2332)	—	—
5760	5775	16	sx s1mddta351 (2332)	—	—
5776	5791	16	sx s1mddta352 (2332)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5792	5807	16	sx s1mddta353 (2333)	—	—
5808	5823	16	sx s1mddta354 (2333)	—	—
5824	5839	16	sx s1mddta355 (2333)	—	—
5840	5855	16	sx s1mddta356 (2334)	—	—
5856	5871	16	sx s1mddta357 (2334)	—	—
5872	5887	16	sx s1mddta358 (2334)	—	—
5888	5903	16	sx s1mddta359 (2335)	—	—
5904	5919	16	sx s1mddta360 (2335)	—	—
5920	5935	16	sx s1mddta361 (2336)	—	—
5936	5951	16	sx s1mddta362 (2336)	—	—
5952	5967	16	sx s1mddta363 (2336)	—	—
5968	5983	16	sx s1mddta364 (2337)	—	—
5984	5999	16	sx s1mddta365 (2337)	—	—
6000	6015	16	sx s1mddta366 (2337)	—	—
6016	6031	16	sx s1mddta367 (2338)	—	—
6032	6047	16	sx s1mddta368 (2338)	—	—
6048	6063	16	sx s1mddta369 (2338)	—	—
6064	6079	16	sx s1mddta370 (2339)	—	—
6080	6095	16	sx s1mddta371 (2339)	—	—
6096	6111	16	sx s1mddta372 (2340)	—	—
6112	6127	16	sx s1mddta373 (2340)	—	—
6128	6143	16	sx s1mddta374 (2340)	—	—
6144	6159	16	sx s1mddta375 (2341)	—	—
6160	6175	16	sx s1mddta376 (2341)	—	—
6176	6191	16	sx s1mddta377 (2341)	—	—
6192	6207	16	sx s1mddta378 (2342)	—	—
6208	6223	16	sx s1mddta379 (2342)	—	—
6224	6239	16	sx s1mddta380 (2343)	—	—
6240	6255	16	sx s1mddta381 (2343)	—	—
6256	6271	16	sx s1mddta382 (2343)	—	—
6272	6287	16	sx s1mddta383 (2344)	—	—
6288	6303	16	sx s1mddta384 (2344)	—	—
6304	6319	16	sx s1mddta385 (2344)	—	—
6320	6335	16	sx s1mddta386 (2345)	—	—
6336	6351	16	sx s1mddta387 (2345)	—	—
6352	6367	16	sx s1mddta388 (2345)	—	—
6368	6383	16	sx s1mddta389 (2346)	—	—
6384	6399	16	sx s1mddta390 (2346)	—	—
6400	6415	16	sx s1mddta391 (2347)	—	—
6416	6431	16	sx s1mddta392 (2347)	—	—
6432	6447	16	sx s1mddta393 (2347)	—	—
6448	6463	16	sx s1mddta394 (2348)	—	—
6464	6479	16	sx s1mddta395 (2348)	—	—
6480	6495	16	sx s1mddta396 (2348)	—	—
6496	6511	16	sx s1mddta397 (2349)	—	—
6512	6527	16	sx s1mddta398 (2349)	—	—
6528	6543	16	sx s1mddta399 (2349)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
6544	6559	16	sx s1mddta400 (2350)	—	—
6560	6575	16	sx s1mddta401 (2351)	—	—
6576	6591	16	sx s1mddta402 (2351)	—	—
6592	6607	16	sx s1mddta403 (2351)	—	—
6608	6623	16	sx s1mddta404 (2352)	—	—
6624	6639	16	sx s1mddta405 (2352)	—	—
6640	6655	16	sx s1mddta406 (2352)	—	—
6656	6671	16	sx s1mddta407 (2353)	—	—
6672	6687	16	sx s1mddta408 (2353)	—	—
6688	6703	16	sx s1mddta409 (2353)	—	—
6704	6719	16	sx s1mddta410 (2354)	—	—
6720	6735	16	sx s1mddta411 (2354)	—	—
6736	6751	16	sx s1mddta412 (2355)	—	—
6752	6767	16	sx s1mddta413 (2355)	—	—
6768	6783	16	sx s1mddta414 (2355)	—	—
6784	6799	16	sx s1mddta415 (2356)	—	—
6800	6815	16	sx s1mddta416 (2356)	—	—
6816	6831	16	sx s1mddta417 (2356)	—	—
6832	6847	16	sx s1mddta418 (2357)	—	—
6848	6863	16	sx s1mddta419 (2357)	—	—
6864	6879	16	sx s1mddta420 (2358)	—	—
6880	6895	16	sx s1mddta421 (2358)	—	—
6896	6911	16	sx s1mddta422 (2358)	—	—
6912	6927	16	sx s1mddta423 (2359)	—	—
6928	6943	16	sx s1mddta424 (2359)	—	—
6944	6959	16	sx s1mddta425 (2359)	—	—
6960	6975	16	sx s1mddta426 (2360)	—	—
6976	6991	16	sx s1mddta427 (2360)	—	—
6992	7007	16	sx s1mddta428 (2360)	—	—
7008	7023	16	sx s1mddta429 (2361)	—	—
7024	7039	16	sx s1mddta430 (2361)	—	—
7040	7055	16	sx s1mddta431 (2362)	—	—
7056	7071	16	sx s1mddta432 (2362)	—	—
7072	7087	16	sx s1mddta433 (2362)	—	—
7088	7103	16	sx s1mddta434 (2363)	—	—
7104	7119	16	sx s1mddta435 (2363)	—	—
7120	7135	16	sx s1mddta436 (2363)	—	—
7136	7151	16	sx s1mddta437 (2364)	—	—
7152	7167	16	sx s1mddta438 (2364)	—	—
7168	7183	16	sx s1mddta439 (2364)	—	—
7184	7199	16	sx s1mddta440 (2365)	—	—
7200	7215	16	sx s1mddta441 (2365)	—	—
7216	7231	16	sx s1mddta442 (2366)	—	—
7232	7247	16	sx s1mddta443 (2366)	—	—
7248	7263	16	sx s1mddta444 (2366)	—	—
7264	7279	16	sx s1mddta445 (2367)	—	—
7280	7295	16	sx s1mddta446 (2367)	—	—

Packet **sx s1_mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
7296	7311	16	sx s1mddta447 (2367)	—	—
7312	7327	16	sx s1mddta448 (2368)	—	—
7328	7343	16	sx s1mddta449 (2368)	—	—
7344	7359	16	sx s1mddta450 (2369)	—	—
7360	7375	16	sx s1mddta451 (2369)	—	—
7376	7391	16	sx s1mddta452 (2369)	—	—
7392	7407	16	sx s1mddta453 (2370)	—	—
7408	7423	16	sx s1mddta454 (2370)	—	—
7424	7439	16	sx s1mddta455 (2370)	—	—
7440	7455	16	sx s1mddta456 (2371)	—	—
7456	7471	16	sx s1mddta457 (2371)	—	—
7472	7487	16	sx s1mddta458 (2371)	—	—
7488	7503	16	sx s1mddta459 (2372)	—	—
7504	7519	16	sx s1mddta460 (2372)	—	—
7520	7535	16	sx s1mddta461 (2373)	—	—
7536	7551	16	sx s1mddta462 (2373)	—	—
7552	7567	16	sx s1mddta463 (2373)	—	—
7568	7583	16	sx s1mddta464 (2374)	—	—
7584	7599	16	sx s1mddta465 (2374)	—	—
7600	7615	16	sx s1mddta466 (2374)	—	—
7616	7631	16	sx s1mddta467 (2375)	—	—
7632	7647	16	sx s1mddta468 (2375)	—	—
7648	7663	16	sx s1mddta469 (2375)	—	—
7664	7679	16	sx s1mddta470 (2376)	—	—
7680	7695	16	sx s1mddta471 (2376)	—	—
7696	7711	16	sx s1mddta472 (2377)	—	—
7712	7727	16	sx s1mddta473 (2377)	—	—

Packet size = 7728 bits (966 bytes) .

F.41 sx sppkt

Packet Source Application Identifier

0x110 (272)

OASIS Stream Name

sx272

Description

sx tlm from superPacket(1) from TG

Format

Packet **sx sppkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	sx pid (2238)	—	—
16	17	2	sx sflg (2405)	—	—
18	31	14	sx sct (2403)	—	—
32	47	16	sx pl (2238)	—	—
48	63	16	sx hws (2236)	—	—
64	79	16	sx lws (2237)	—	—
80	95	16	sx hwss (2237)	—	—
96	111	16	sx lwss (2237)	—	—
112	127	16	sx scmdsex0 (2401)	—	—
128	143	16	sx scmdsrej0 (2402)	—	—
144	159	16	sx scmdsfwd0 (2402)	—	—
160	167	8	sx schrestrts0 (2400)	—	—
168	183	16	sx srxerrs0 (2408)	—	—
184	199	16	sx stxerrs0 (2410)	—	—
200	207	8	sx serrslave0 (2404)	—	—
208	215	8	sx serropcode0 (2403)	—	—
216	231	16	sx sirqpks0 (2405)	—	—
232	247	16	sx srxstat0 (2408)	—	—
248	263	16	sx stxstat0 (2410)	—	—
264	279	16	sx slldrxerr0 (2406)	—	—
280	295	16	sx slldtxerr0 (2406)	—	—
296	311	16	sx sbaudrate0 (2400)	—	—
312	319	8	sx swrapmd0 (2411)	—	—
320	335	16	sx ssubasystat0 (2409)	—	—
336	351	16	sx srxctlreg0 (2407)	—	—
352	367	16	sx scmdsex1 (2401)	—	—
368	383	16	sx scmdsrej1 (2403)	—	—
384	399	16	sx scmdsfwd1 (2402)	—	—
400	407	8	sx schrestrts1 (2401)	—	—
408	423	16	sx srxerrs1 (2408)	—	—
424	439	16	sx stxerrs1 (2410)	—	—
440	447	8	sx serrslave1 (2404)	—	—
448	455	8	sx serropcode1 (2404)	—	—
456	471	16	sx sirqpks1 (2405)	—	—

Packet **sx sppkt** Format, cont'd

start bit	stop bit	size bits	field		
472	487	16	sx srxstat1 (2409)	—	—
488	503	16	sx stxstat1 (2411)	—	—
504	519	16	sx slldrxerr1 (2406)	—	—
520	535	16	sx slldtxerr1 (2407)	—	—
536	551	16	sx sbaudrate1 (2400)	—	—
552	559	8	sx swrapmd1 (2411)	—	—
560	575	16	sx ssubasystat1 (2409)	—	—
576	591	16	sx srxctlreg1 (2407)	—	—

Packet size = 592 bits (74 bytes) .

F.42 tg loopbak_pkt

Packet Source Application Identifier

0x11b (283)

OASIS Stream Name

tg283

Description

Super packet compiled of HSS loopback words from HSS 2, 3, and 4.

Format

Packet **tg loopbak_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	tg loopbakpid (2413)	—	—
16	17	2	tg loopbaksflg (2414)	—	—
18	31	14	tg loopbaksct (2414)	—	—
32	47	16	tg loopbakpl (2414)	—	—
48	63	16	tg loopbakhws (2412)	—	—
64	79	16	tg loopbaklws (2413)	—	—
80	95	16	tg loopbakhwss (2412)	—	—
96	111	16	tg loopbaklwss (2413)	—	—
112	127	16	tg hss2loopbakwd (2412)	—	—

Packet size = 128 bits (16 bytes) .

F.43 tp hardtlm

Packet Source Application Identifier

0x133 (307)

OASIS Stream Name

tp307

Description

Thermal APE Hard Telemetry.

Format

Packet **tp hardtlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	tp hardpktapid (2430)	—	—
16	17	2	tp hardpktsflg (2432)	—	—
18	31	14	tp hardpktsct (2431)	—	—
32	47	16	tp hardpktseqlen (2432)	—	—
48	63	16	tp hardpktsecshi (2431)	—	—
64	79	16	tp hardpktsecslo (2431)	—	—
80	95	16	tp hardpktsbsechi (2430)	—	—
96	111	16	tp hardpktsbseclo (2430)	—	—
112	115	4	tp sp0 (2465)	—	—
116	127	12	tp batwarmcpvtmpa (2421)	—	—
128	131	4	tp sp1 (2465)	—	—
132	143	12	tp batcoolcpvtmpa (2419)	—	—
144	147	4	tp sp2 (2472)	—	—
148	159	12	tp batbaseplatetmpa (2418)	—	—
160	163	4	tp sp3 (2479)	—	—
164	175	12	tp batwarmcpvtmpb (2422)	—	—
176	179	4	tp sp4 (2483)	—	—
180	191	12	tp batcoolcpvtmpb (2420)	—	—
192	195	4	tp sp6 (2490)	—	—
196	207	12	tp batbaseplatetmpb (2419)	—	—
208	211	4	tp sp9 (2494)	—	—
212	223	12	tp stroperhtrtmppri (2497)	—	—
224	227	4	tp sp10 (2465)	—	—
228	239	12	tp stroperhtrtmpred (2497)	—	—
240	243	4	tp sp5 (2487)	—	—
244	255	12	tp st1brackettmp (2495)	—	—
256	259	4	tp sp7 (2493)	—	—
260	271	12	tp rxatmp (2453)	—	—
272	275	4	tp sp8 (2494)	—	—
276	287	12	tp tx1rftmp (2501)	—	—
288	291	4	tp sp14 (2468)	—	—
292	303	12	tp tcvrexttoptmp (2500)	—	—
304	307	4	tp sp11 (2466)	—	—
308	319	12	tp ceualvpstmp (2424)	—	—

Packet **tp hardtlm** Format, cont'd

start bit	stop bit	size bits	field		
320	323	4	tp sp12 (2467)	—	—
324	335	12	tp ceuatcxotmp (2425)	—	—
336	339	4	tp sp13 (2467)	—	—
340	351	12	tp apealvpstmp (2417)	—	—
352	355	4	tp sp19 (2471)	—	—
356	367	12	tp apeaconttmp (2416)	—	—
368	371	4	tp sp15 (2469)	—	—
372	383	12	tp sofieexttmpa (2459)	—	—
384	387	4	tp sp16 (2469)	—	—
388	399	12	tp sofieexttmpb (2460)	—	—
400	403	4	tp sp17 (2470)	—	—
404	415	12	tp cdetherma (2423)	—	—
416	419	4	tp sp18 (2471)	—	—
420	431	12	tp cdedtctrpnirt (2423)	—	—
432	435	4	tp sp21 (2473)	—	—
436	447	12	tp cipsinttmp (2429)	—	—
448	451	4	tp sp22 (2474)	—	—
452	463	12	tp cipsexttmp (2428)	—	—
464	467	4	tp sp45 (2485)	—	—
468	479	12	tp preshttmp (2447)	—	—
480	483	4	tp sp23 (2475)	—	—
484	495	12	tp xpnltmp (2503)	—	—
496	499	4	tp sp24 (2475)	—	—
500	511	12	tp xypnltmp (2504)	—	—
512	515	4	tp sp25 (2476)	—	—
516	527	12	tp mxypnltmp (2436)	—	—
528	531	4	tp sp26 (2477)	—	—
532	543	12	tp mxpnltmp (2435)	—	—
544	547	4	tp sp27 (2477)	—	—
548	559	12	tp mxmypnltmp (2434)	—	—
560	563	4	tp sp28 (2478)	—	—
564	575	12	tp xmypnltmp (2502)	—	—
576	579	4	tp sp29 (2478)	—	—
580	591	12	tp aftdeck_pxtmp1 (2415)	—	—
592	595	4	tp sp30 (2479)	—	—
596	607	12	tp aftdeck_nxtmp2 (2415)	—	—
608	611	4	tp sp31 (2479)	—	—
612	623	12	tp xtorquertmp (2503)	—	—
624	627	4	tp sp32 (2480)	—	—
628	639	12	tp ytorquertmp (2505)	—	—
640	643	4	tp sp33 (2480)	—	—
644	655	12	tp ztorquertmp (2506)	—	—
656	659	4	tp sp34 (2480)	—	—
660	671	12	tp sofieelectexttmp (2458)	—	—
672	675	4	tp sp35 (2481)	—	—
676	687	12	tp nadkintctrtmp (2438)	—	—
688	691	4	tp sp36 (2481)	—	—

Packet **tp hardtlm** Format, cont'd

start bit	stop bit	size bits	field		
692	703	12	tp ceuextttmp (2426)	—	—
704	707	4	tp sp37 (2481)	—	—
708	719	12	tp rweextttmp (2449)	—	—
720	723	4	tp sp39 (2482)	—	—
724	735	12	tp iru2tmp (2433)	—	—
736	739	4	tp sp38 (2482)	—	—
740	751	12	tp iru1tmp (2432)	—	—
752	755	4	tp sp40 (2483)	—	—
756	767	12	tp nadk_nxtmp (2436)	—	—
768	771	4	tp sp41 (2483)	—	—
772	783	12	tp nadk_pxtmp (2437)	—	—
784	787	4	tp sp42 (2484)	—	—
788	799	12	tp prea2tmp (2444)	—	—
800	803	4	tp sp43 (2484)	—	—
804	815	12	tp prea3tmp (2445)	—	—
816	819	4	tp sp44 (2484)	—	—
820	831	12	tp prea4tmp (2446)	—	—
832	835	4	tp sp47 (2485)	—	—
836	847	12	tp sapnl1_nxpytmp (2454)	—	—
848	851	4	tp sp52 (2488)	—	—
852	863	12	tp sapnl2_pxpytmp (2455)	—	—
864	867	4	tp sp46 (2485)	—	—
868	879	12	tp sapnl3_pxtmp (2456)	—	—
880	883	4	tp sp53 (2488)	—	—
884	895	12	tp sapnl14_pxnytmp (2453)	—	—
896	899	4	tp sp48 (2486)	—	—
900	911	12	tp sapnl5_nxnytmp (2457)	—	—
912	915	4	tp sp54 (2488)	—	—
916	927	12	tp sapnl6_nxtmp (2457)	—	—
928	931	4	tp sp49 (2486)	—	—
932	943	12	tp preextttmp (2447)	—	—
944	947	4	tp sp50 (2487)	—	—
948	959	12	tp rxextttmp (2450)	—	—
960	963	4	tp sp51 (2487)	—	—
964	975	12	tp rwyextttmp (2451)	—	—
976	979	4	tp sp55 (2489)	—	—
980	991	12	tp rwzextttmp (2451)	—	—
992	995	4	tp sp56 (2489)	—	—
996	1007	12	tp tamtmp (2499)	—	—
1008	1011	4	tp sp20 (2473)	—	—
1012	1023	12	tp tamatmp (2498)	—	—
1024	1027	4	tp sp63 (2491)	—	—
1028	1039	12	tp ppp1tmp (2439)	—	—
1040	1043	4	tp sp64 (2491)	—	—
1044	1055	12	tp ppp2tmp (2440)	—	—
1056	1059	4	tp sp65 (2491)	—	—
1060	1071	12	tp ppp3tmp (2441)	—	—

Packet **tp hardtlm** Format, cont'd

start bit	stop bit	size bits	field		
1072	1075	4	tp sp66 (2492)	–	–
1076	1087	12	tp ppp4tmp (2441)	–	–
1088	1091	4	tp sp67 (2492)	–	–
1092	1103	12	tp ppp5tmp (2442)	–	–
1104	1107	4	tp sp68 (2492)	–	–
1108	1119	12	tp ppp6tmp (2443)	–	–
1120	1123	4	tp sp57 (2489)	–	–
1124	1135	12	tp cipsbrkt_nxtmp (2427)	–	–
1136	1139	4	tp sp58 (2490)	–	–
1140	1151	12	tp cipsbrkt_pxtmp (2427)	–	–

Packet size = 1152 bits (144 bytes) .

F.44 tp softtlm

Packet Source Application Identifier

0x134 (308)

OASIS Stream Name

tp308

Description

Thermal Software Generated Telemetry

Format

Packet **tp softtlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	tp softpid (2462)	—	—
16	17	2	tp softsflg (2463)	—	—
18	31	14	tp softsct (2463)	—	—
32	47	16	tp softtpl (2462)	—	—
48	63	16	tp softhws (2461)	—	—
64	79	16	tp softlws (2461)	—	—
80	95	16	tp softhwss (2461)	—	—
96	111	16	tp softlwss (2462)	—	—
112	127	16	tp softwarecuted0 (2463)	—	—
128	143	16	tp softwarecuted1 (2464)	—	—
144	159	16	tp softwarecuted2 (2464)	—	—
160	175	16	tp softwarecuted4 (2464)	—	—
176	176	1	tp sp24tp (2476)	—	—
177	177	1	tp sp23tp (2475)	—	—
178	178	1	tp sp22tp (2474)	—	—
179	179	1	tp sp21tp (2474)	—	—
180	180	1	tp sp20tp (2473)	—	—
181	181	1	tp sp19tp (2472)	—	—
182	182	1	tp sp18tp (2471)	—	—
183	183	1	tp sp17tp (2470)	—	—
184	184	1	tp sp16tp (2470)	—	—
185	185	1	tp sp15tp (2469)	—	—
186	186	1	tp sp14tp (2468)	—	—
187	187	1	tp sp13tp (2468)	—	—
188	188	1	tp sp12tp (2467)	—	—
189	189	1	tp sp11tp (2466)	—	—
190	190	1	tp sp10tp (2466)	—	—
191	191	1	tp sp9tp (2495)	—	—
192	192	1	tp sp8tp (2494)	—	—
193	193	1	tp sp7tp (2493)	—	—
194	194	1	tp sp6tp (2493)	—	—
195	195	1	tp sp5tp (2490)	—	—
196	196	1	tp sp4tp (2486)	—	—
197	197	1	tp sp3tp (2482)	—	—

Packet **tp softtlm** Format, cont'd

start bit	stop bit	size bits	field		
198	198	1	tp sp2tp (2478)	—	—
199	199	1	tp sp1tp (2472)	—	—
200	200	1	tp sp25tp (2476)	—	—
201	201	1	tp sp26tp (2477)	—	—
202	202	1	tp rwzoperhtr (2452)	—	—
203	203	1	tp xcvroperhtr (2501)	—	—
204	204	1	tp st1rd (2496)	—	—
205	205	1	tp st1prime (2496)	—	—
206	206	1	tp rdbat (2449)	—	—
207	207	1	tp primebat (2448)	—	—

Packet size = 208 bits (26 bytes) .

F.45 ul crit_tlm_pkt

Packet Source Application Identifier

0x7fd (2045)

OASIS Stream Name

ul2045

Description

This is the Critical Telemetry packet within the Uplink VCDU, SID=0xFFD

Format

Packet **ul crit_tlm_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ul crittlmpid (2520)	—	—
16	17	2	ul crittlmsflg (2521)	—	—
18	31	14	ul crittlmsct (2521)	—	—
32	47	16	ul crittlmpl (2520)	—	—
48	63	16	ul crittlmhws (2519)	—	—
64	79	16	ul crittlmlws (2519)	—	—
80	95	16	ul crittlmhwss (2519)	—	—
96	111	16	ul crittlmlwss (2520)	—	—
112	112	1	ul cwsuromtst (2523)	—	—
113	113	1	ul cswsp1 (2522)	—	—
114	114	1	ul cswsp2 (2522)	—	—
115	115	1	ul cswsp3 (2522)	—	—
116	116	1	ul cswobcbootmd (2521)	—	—
117	117	1	ul cswsp5 (2523)	—	—
118	118	1	ul obcbtimage1 (2857)	—	—
119	119	1	ul obcbtimage2 (2857)	—	—
120	120	1	ul cswsp8 (2523)	—	—
121	121	1	ul obcbtstat1 (2859)	—	—
122	122	1	ul obcbtstat2 (2859)	—	—
123	123	1	ul obcbtstat3 (2859)	—	—
124	124	1	ul obcbtpath1 (2857)	—	—
125	125	1	ul obcbtpath2 (2858)	—	—
126	126	1	ul obcbtpath3 (2858)	—	—
127	127	1	ul obcbtpath4 (2858)	—	—
128	130	3	ul ccwbootpath (2512)	—	—
131	131	1	ul ccwsp3 (2514)	—	—
132	132	1	ul ccwsp4 (2515)	—	—
133	133	1	ul ccwsp5 (2515)	—	—
134	134	1	ul ccwsp6 (2515)	—	—
135	135	1	ul ccwsp7 (2516)	—	—
136	136	1	ul ccwsp8 (2516)	—	—
137	137	1	ul ccwsp9 (2516)	—	—
138	138	1	ul ccwsp10 (2512)	—	—
139	139	1	ul ccwsp11 (2513)	—	—

Packet **ul crit_tlm_pkt** Format, cont'd

start bit	stop bit	size bits	field		
140	140	1	ul ccwsp12 (2513)	—	—
141	141	1	ul ccwsp13 (2513)	—	—
142	142	1	ul ccwsp14 (2514)	—	—
143	143	1	ul ccwsp15 (2514)	—	—
144	144	1	ul apeinsafhlda (2508)	—	—
145	145	1	ul apeinsafhldb (2508)	—	—
146	146	1	ul apeuprocstata (2510)	—	—
147	147	1	ul apeuprocstatb (2511)	—	—
148	148	1	ul apesunaqa (2509)	—	—
149	149	1	ul apesunaqb (2510)	—	—
150	150	1	ul apecritstata (2507)	—	—
151	151	1	ul sevenmintmrdisd (2866)	—	—
152	152	1	ul stg3sep3sw (2868)	—	—
153	153	1	ul apecritstatb (2507)	—	—
154	155	2	ul apesafhldarmplg (2509)	—	—
156	156	1	ul ceuselfcont5hz (2517)	—	—
157	157	1	ul ceuxmtrselmate (2517)	—	—
158	158	1	ul discrittlmsp14 (2524)	—	—
159	159	1	ul discrittlmsp15 (2524)	—	—
160	160	1	ul actcmdchan (2507)	—	—
161	161	1	ul eeprotect (2525)	—	—
162	162	1	ul cmdch1ppstat (2517)	—	—
163	163	1	ul norfpresentb (2856)	—	—
164	164	1	ul nobitlckb (2855)	—	—
165	165	1	ul syncsearchb (2871)	—	—
166	166	1	ul obcwdexpired (2861)	—	—
167	167	1	ul obcheartbeat (2860)	—	—
168	168	1	ul obcpwron (2860)	—	—
169	169	1	ul stg3sep1sw (2867)	—	—
170	170	1	ul stg3sep2sw (2867)	—	—
171	171	1	ul hardlinenotend (2689)	—	—
172	172	1	ul bothchansrecgd (2511)	—	—
173	175	3	ul uprocrsttmr (2873)	—	—
176	178	3	ul miscflgps1513 (2853)	—	—
179	183	5	ul vcdurate (2874)	—	—
184	184	1	ul scsaerrflg (2864)	—	—
185	185	1	ul obcwdrsten (2861)	—	—
186	188	3	ul miscflgps53 (2853)	—	—
189	189	1	ul obchlpnd (2860)	—	—
190	190	1	ul pegend (2863)	—	—
191	191	1	ul miscflgps0 (2852)	—	—
192	207	16	ul rstcnt (2864)	—	—
208	223	16	ul totalfrmcnt (2873)	—	—
224	239	16	ul frmcnta (2686)	—	—
240	255	16	ul frmcntb (2687)	—	—
256	271	16	ul frmrjct (2687)	—	—
272	272	1	ul sp (2867)	—	—

Packet **ul crit_tlm_pkt** Format, cont'd

start bit	stop bit	size bits	field		
273	273	1	ul preferredchnl (2863)	—	—
274	274	1	ul norfpresenta (2856)	—	—
275	275	1	ul nobitlcka (2855)	—	—
276	276	1	ul syncsearcha (2870)	—	—
277	287	11	ul frmrejcode (2687)	—	—
288	303	16	ul ct (2524)	—	—
304	319	16	ul cmdrjct (2518)	—	—
320	335	16	ul cmdrejcode (2518)	—	—
336	351	16	ul gscct (2688)	—	—
352	367	16	ul gscrjct (2689)	—	—
368	383	16	ul gscrejcode (2688)	—	—
384	399	16	ul ngscct (2853)	—	—
400	415	16	ul ngscrjct (2854)	—	—
416	431	16	ul ngscrejcode (2854)	—	—
432	447	16	ul hss1msgcnt (2690)	—	—
448	463	16	ul hss1msgsrjct (2691)	—	—
464	479	16	ul hss1msgrejcode (2690)	—	—
480	495	16	ul scsamsgcnt (2865)	—	—
496	511	16	ul scsamsgrjct (2866)	—	—
512	527	16	ul scsamsgrejcode (2865)	—	—
528	543	16	ul svcrcnt (2868)	—	—
544	559	16	ul svcarrcnt (2869)	—	—
560	575	16	ul svcnt (2869)	—	—
576	591	16	ul sverrcnt (2869)	—	—
592	607	16	ul sverrstat (2870)	—	—
608	623	16	ul pcnt (2862)	—	—
624	639	16	ul pcrrcnt (2862)	—	—
640	655	16	ul pcrrstat (2863)	—	—
656	687	32	ul txolopnlpfreq (2872)	—	—
688	703	16	ul txolopnlfracct (2871)	—	—
704	735	32	ul txonext1hzfreq (2872)	—	—

Packet size = 736 bits (92 bytes) .

F.46 ul_fill_pkt

Packet Source Application Identifier

0x7f3 (2035)

OASIS Stream Name

ul2035

Description

This is the description of the fill packet in the Uplink VCDU.

Format

Packet **ul_fill_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ul_fillpktpid (2685)	—	—
16	17	2	ul_fillpktsflg (2686)	—	—
18	31	14	ul_fillpktsct (2686)	—	—
32	47	16	ul_fillpktpl (2685)	—	—
48	63	16	ul_fillpkthws (2684)	—	—
64	79	16	ul_fillpktlws (2684)	—	—
80	95	16	ul_fillpkthwss (2684)	—	—
96	111	16	ul_fillpktlwss (2685)	—	—
112	127	16	ul_fillpktdta0 (2525)	—	—
128	143	16	ul_fillpktdta1 (2525)	—	—
144	159	16	ul_fillpktdta2 (2562)	—	—
160	175	16	ul_fillpktdta3 (2599)	—	—
176	191	16	ul_fillpktdta4 (2636)	—	—
192	207	16	ul_fillpktdta5 (2665)	—	—
208	223	16	ul_fillpktdta6 (2669)	—	—
224	239	16	ul_fillpktdta7 (2673)	—	—
240	255	16	ul_fillpktdta8 (2676)	—	—
256	271	16	ul_fillpktdta9 (2680)	—	—
272	287	16	ul_fillpktdta10 (2526)	—	—
288	303	16	ul_fillpktdta11 (2529)	—	—
304	319	16	ul_fillpktdta12 (2533)	—	—
320	335	16	ul_fillpktdta13 (2537)	—	—
336	351	16	ul_fillpktdta14 (2540)	—	—
352	367	16	ul_fillpktdta15 (2544)	—	—
368	383	16	ul_fillpktdta16 (2548)	—	—
384	399	16	ul_fillpktdta17 (2551)	—	—
400	415	16	ul_fillpktdta18 (2555)	—	—
416	431	16	ul_fillpktdta19 (2559)	—	—
432	447	16	ul_fillpktdta20 (2563)	—	—
448	463	16	ul_fillpktdta21 (2566)	—	—
464	479	16	ul_fillpktdta22 (2570)	—	—
480	495	16	ul_fillpktdta23 (2574)	—	—
496	511	16	ul_fillpktdta24 (2577)	—	—
512	527	16	ul_fillpktdta25 (2581)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	ul_fillpktdda26 (2585)	—	—
544	559	16	ul_fillpktdda27 (2588)	—	—
560	575	16	ul_fillpktdda28 (2592)	—	—
576	591	16	ul_fillpktdda29 (2596)	—	—
592	607	16	ul_fillpktdda30 (2600)	—	—
608	623	16	ul_fillpktdda31 (2603)	—	—
624	639	16	ul_fillpktdda32 (2607)	—	—
640	655	16	ul_fillpktdda33 (2611)	—	—
656	671	16	ul_fillpktdda34 (2614)	—	—
672	687	16	ul_fillpktdda35 (2618)	—	—
688	703	16	ul_fillpktdda36 (2622)	—	—
704	719	16	ul_fillpktdda37 (2625)	—	—
720	735	16	ul_fillpktdda38 (2629)	—	—
736	751	16	ul_fillpktdda39 (2633)	—	—
752	767	16	ul_fillpktdda40 (2637)	—	—
768	783	16	ul_fillpktdda41 (2640)	—	—
784	799	16	ul_fillpktdda42 (2644)	—	—
800	815	16	ul_fillpktdda43 (2648)	—	—
816	831	16	ul_fillpktdda44 (2651)	—	—
832	847	16	ul_fillpktdda45 (2655)	—	—
848	863	16	ul_fillpktdda46 (2659)	—	—
864	879	16	ul_fillpktdda47 (2662)	—	—
880	895	16	ul_fillpktdda48 (2665)	—	—
896	911	16	ul_fillpktdda49 (2665)	—	—
912	927	16	ul_fillpktdda50 (2666)	—	—
928	943	16	ul_fillpktdda51 (2666)	—	—
944	959	16	ul_fillpktdda52 (2666)	—	—
960	975	16	ul_fillpktdda53 (2667)	—	—
976	991	16	ul_fillpktdda54 (2667)	—	—
992	1007	16	ul_fillpktdda55 (2667)	—	—
1008	1023	16	ul_fillpktdda56 (2668)	—	—
1024	1039	16	ul_fillpktdda57 (2668)	—	—
1040	1055	16	ul_fillpktdda58 (2668)	—	—
1056	1071	16	ul_fillpktdda59 (2669)	—	—
1072	1087	16	ul_fillpktdda60 (2669)	—	—
1088	1103	16	ul_fillpktdda61 (2670)	—	—
1104	1119	16	ul_fillpktdda62 (2670)	—	—
1120	1135	16	ul_fillpktdda63 (2670)	—	—
1136	1151	16	ul_fillpktdda64 (2671)	—	—
1152	1167	16	ul_fillpktdda65 (2671)	—	—
1168	1183	16	ul_fillpktdda66 (2671)	—	—
1184	1199	16	ul_fillpktdda67 (2672)	—	—
1200	1215	16	ul_fillpktdda68 (2672)	—	—
1216	1231	16	ul_fillpktdda69 (2672)	—	—
1232	1247	16	ul_fillpktdda70 (2673)	—	—
1248	1263	16	ul_fillpktdda71 (2673)	—	—
1264	1279	16	ul_fillpktdda72 (2674)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	ul_fillpktdda73 (2674)	—	—
1296	1311	16	ul_fillpktdda74 (2674)	—	—
1312	1327	16	ul_fillpktdda75 (2675)	—	—
1328	1343	16	ul_fillpktdda76 (2675)	—	—
1344	1359	16	ul_fillpktdda77 (2675)	—	—
1360	1375	16	ul_fillpktdda78 (2676)	—	—
1376	1391	16	ul_fillpktdda79 (2676)	—	—
1392	1407	16	ul_fillpktdda80 (2677)	—	—
1408	1423	16	ul_fillpktdda81 (2677)	—	—
1424	1439	16	ul_fillpktdda82 (2677)	—	—
1440	1455	16	ul_fillpktdda83 (2678)	—	—
1456	1471	16	ul_fillpktdda84 (2678)	—	—
1472	1487	16	ul_fillpktdda85 (2678)	—	—
1488	1503	16	ul_fillpktdda86 (2679)	—	—
1504	1519	16	ul_fillpktdda87 (2679)	—	—
1520	1535	16	ul_fillpktdda88 (2679)	—	—
1536	1551	16	ul_fillpktdda89 (2680)	—	—
1552	1567	16	ul_fillpktdda90 (2680)	—	—
1568	1583	16	ul_fillpktdda91 (2681)	—	—
1584	1599	16	ul_fillpktdda92 (2681)	—	—
1600	1615	16	ul_fillpktdda93 (2681)	—	—
1616	1631	16	ul_fillpktdda94 (2682)	—	—
1632	1647	16	ul_fillpktdda95 (2682)	—	—
1648	1663	16	ul_fillpktdda96 (2682)	—	—
1664	1679	16	ul_fillpktdda97 (2683)	—	—
1680	1695	16	ul_fillpktdda98 (2683)	—	—
1696	1711	16	ul_fillpktdda99 (2683)	—	—
1712	1727	16	ul_fillpktdda100 (2526)	—	—
1728	1743	16	ul_fillpktdda101 (2526)	—	—
1744	1759	16	ul_fillpktdda102 (2527)	—	—
1760	1775	16	ul_fillpktdda103 (2527)	—	—
1776	1791	16	ul_fillpktdda104 (2527)	—	—
1792	1807	16	ul_fillpktdda105 (2528)	—	—
1808	1823	16	ul_fillpktdda106 (2528)	—	—
1824	1839	16	ul_fillpktdda107 (2528)	—	—
1840	1855	16	ul_fillpktdda108 (2529)	—	—
1856	1871	16	ul_fillpktdda109 (2529)	—	—
1872	1887	16	ul_fillpktdda110 (2530)	—	—
1888	1903	16	ul_fillpktdda111 (2530)	—	—
1904	1919	16	ul_fillpktdda112 (2530)	—	—
1920	1935	16	ul_fillpktdda113 (2531)	—	—
1936	1951	16	ul_fillpktdda114 (2531)	—	—
1952	1967	16	ul_fillpktdda115 (2531)	—	—
1968	1983	16	ul_fillpktdda116 (2532)	—	—
1984	1999	16	ul_fillpktdda117 (2532)	—	—
2000	2015	16	ul_fillpktdda118 (2532)	—	—
2016	2031	16	ul_fillpktdda119 (2533)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2032	2047	16	ul_fillpktdda120 (2533)	—	—
2048	2063	16	ul_fillpktdda121 (2534)	—	—
2064	2079	16	ul_fillpktdda122 (2534)	—	—
2080	2095	16	ul_fillpktdda123 (2534)	—	—
2096	2111	16	ul_fillpktdda124 (2535)	—	—
2112	2127	16	ul_fillpktdda125 (2535)	—	—
2128	2143	16	ul_fillpktdda126 (2535)	—	—
2144	2159	16	ul_fillpktdda127 (2536)	—	—
2160	2175	16	ul_fillpktdda128 (2536)	—	—
2176	2191	16	ul_fillpktdda129 (2536)	—	—
2192	2207	16	ul_fillpktdda130 (2537)	—	—
2208	2223	16	ul_fillpktdda131 (2537)	—	—
2224	2239	16	ul_fillpktdda132 (2538)	—	—
2240	2255	16	ul_fillpktdda133 (2538)	—	—
2256	2271	16	ul_fillpktdda134 (2538)	—	—
2272	2287	16	ul_fillpktdda135 (2539)	—	—
2288	2303	16	ul_fillpktdda136 (2539)	—	—
2304	2319	16	ul_fillpktdda137 (2539)	—	—
2320	2335	16	ul_fillpktdda138 (2540)	—	—
2336	2351	16	ul_fillpktdda139 (2540)	—	—
2352	2367	16	ul_fillpktdda140 (2541)	—	—
2368	2383	16	ul_fillpktdda141 (2541)	—	—
2384	2399	16	ul_fillpktdda142 (2541)	—	—
2400	2415	16	ul_fillpktdda143 (2542)	—	—
2416	2431	16	ul_fillpktdda144 (2542)	—	—
2432	2447	16	ul_fillpktdda145 (2542)	—	—
2448	2463	16	ul_fillpktdda146 (2543)	—	—
2464	2479	16	ul_fillpktdda147 (2543)	—	—
2480	2495	16	ul_fillpktdda148 (2543)	—	—
2496	2511	16	ul_fillpktdda149 (2544)	—	—
2512	2527	16	ul_fillpktdda150 (2544)	—	—
2528	2543	16	ul_fillpktdda151 (2545)	—	—
2544	2559	16	ul_fillpktdda152 (2545)	—	—
2560	2575	16	ul_fillpktdda153 (2545)	—	—
2576	2591	16	ul_fillpktdda154 (2546)	—	—
2592	2607	16	ul_fillpktdda155 (2546)	—	—
2608	2623	16	ul_fillpktdda156 (2546)	—	—
2624	2639	16	ul_fillpktdda157 (2547)	—	—
2640	2655	16	ul_fillpktdda158 (2547)	—	—
2656	2671	16	ul_fillpktdda159 (2547)	—	—
2672	2687	16	ul_fillpktdda160 (2548)	—	—
2688	2703	16	ul_fillpktdda161 (2548)	—	—
2704	2719	16	ul_fillpktdda162 (2549)	—	—
2720	2735	16	ul_fillpktdda163 (2549)	—	—
2736	2751	16	ul_fillpktdda164 (2549)	—	—
2752	2767	16	ul_fillpktdda165 (2550)	—	—
2768	2783	16	ul_fillpktdda166 (2550)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2784	2799	16	ul_fillpktdda167 (2550)	—	—
2800	2815	16	ul_fillpktdda168 (2551)	—	—
2816	2831	16	ul_fillpktdda169 (2551)	—	—
2832	2847	16	ul_fillpktdda170 (2552)	—	—
2848	2863	16	ul_fillpktdda171 (2552)	—	—
2864	2879	16	ul_fillpktdda172 (2552)	—	—
2880	2895	16	ul_fillpktdda173 (2553)	—	—
2896	2911	16	ul_fillpktdda174 (2553)	—	—
2912	2927	16	ul_fillpktdda175 (2553)	—	—
2928	2943	16	ul_fillpktdda176 (2554)	—	—
2944	2959	16	ul_fillpktdda177 (2554)	—	—
2960	2975	16	ul_fillpktdda178 (2554)	—	—
2976	2991	16	ul_fillpktdda179 (2555)	—	—
2992	3007	16	ul_fillpktdda180 (2555)	—	—
3008	3023	16	ul_fillpktdda181 (2556)	—	—
3024	3039	16	ul_fillpktdda182 (2556)	—	—
3040	3055	16	ul_fillpktdda183 (2556)	—	—
3056	3071	16	ul_fillpktdda184 (2557)	—	—
3072	3087	16	ul_fillpktdda185 (2557)	—	—
3088	3103	16	ul_fillpktdda186 (2557)	—	—
3104	3119	16	ul_fillpktdda187 (2558)	—	—
3120	3135	16	ul_fillpktdda188 (2558)	—	—
3136	3151	16	ul_fillpktdda189 (2558)	—	—
3152	3167	16	ul_fillpktdda190 (2559)	—	—
3168	3183	16	ul_fillpktdda191 (2559)	—	—
3184	3199	16	ul_fillpktdda192 (2560)	—	—
3200	3215	16	ul_fillpktdda193 (2560)	—	—
3216	3231	16	ul_fillpktdda194 (2560)	—	—
3232	3247	16	ul_fillpktdda195 (2561)	—	—
3248	3263	16	ul_fillpktdda196 (2561)	—	—
3264	3279	16	ul_fillpktdda197 (2561)	—	—
3280	3295	16	ul_fillpktdda198 (2562)	—	—
3296	3311	16	ul_fillpktdda199 (2562)	—	—
3312	3327	16	ul_fillpktdda200 (2563)	—	—
3328	3343	16	ul_fillpktdda201 (2563)	—	—
3344	3359	16	ul_fillpktdda202 (2564)	—	—
3360	3375	16	ul_fillpktdda203 (2564)	—	—
3376	3391	16	ul_fillpktdda204 (2564)	—	—
3392	3407	16	ul_fillpktdda205 (2565)	—	—
3408	3423	16	ul_fillpktdda206 (2565)	—	—
3424	3439	16	ul_fillpktdda207 (2565)	—	—
3440	3455	16	ul_fillpktdda208 (2566)	—	—
3456	3471	16	ul_fillpktdda209 (2566)	—	—
3472	3487	16	ul_fillpktdda210 (2567)	—	—
3488	3503	16	ul_fillpktdda211 (2567)	—	—
3504	3519	16	ul_fillpktdda212 (2567)	—	—
3520	3535	16	ul_fillpktdda213 (2568)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3536	3551	16	ul_fillpktdda214 (2568)	—	—
3552	3567	16	ul_fillpktdda215 (2568)	—	—
3568	3583	16	ul_fillpktdda216 (2569)	—	—
3584	3599	16	ul_fillpktdda217 (2569)	—	—
3600	3615	16	ul_fillpktdda218 (2569)	—	—
3616	3631	16	ul_fillpktdda219 (2570)	—	—
3632	3647	16	ul_fillpktdda220 (2570)	—	—
3648	3663	16	ul_fillpktdda221 (2571)	—	—
3664	3679	16	ul_fillpktdda222 (2571)	—	—
3680	3695	16	ul_fillpktdda223 (2571)	—	—
3696	3711	16	ul_fillpktdda224 (2572)	—	—
3712	3727	16	ul_fillpktdda225 (2572)	—	—
3728	3743	16	ul_fillpktdda226 (2572)	—	—
3744	3759	16	ul_fillpktdda227 (2573)	—	—
3760	3775	16	ul_fillpktdda228 (2573)	—	—
3776	3791	16	ul_fillpktdda229 (2573)	—	—
3792	3807	16	ul_fillpktdda230 (2574)	—	—
3808	3823	16	ul_fillpktdda231 (2574)	—	—
3824	3839	16	ul_fillpktdda232 (2575)	—	—
3840	3855	16	ul_fillpktdda233 (2575)	—	—
3856	3871	16	ul_fillpktdda234 (2575)	—	—
3872	3887	16	ul_fillpktdda235 (2576)	—	—
3888	3903	16	ul_fillpktdda236 (2576)	—	—
3904	3919	16	ul_fillpktdda237 (2576)	—	—
3920	3935	16	ul_fillpktdda238 (2577)	—	—
3936	3951	16	ul_fillpktdda239 (2577)	—	—
3952	3967	16	ul_fillpktdda240 (2578)	—	—
3968	3983	16	ul_fillpktdda241 (2578)	—	—
3984	3999	16	ul_fillpktdda242 (2578)	—	—
4000	4015	16	ul_fillpktdda243 (2579)	—	—
4016	4031	16	ul_fillpktdda244 (2579)	—	—
4032	4047	16	ul_fillpktdda245 (2579)	—	—
4048	4063	16	ul_fillpktdda246 (2580)	—	—
4064	4079	16	ul_fillpktdda247 (2580)	—	—
4080	4095	16	ul_fillpktdda248 (2580)	—	—
4096	4111	16	ul_fillpktdda249 (2581)	—	—
4112	4127	16	ul_fillpktdda250 (2581)	—	—
4128	4143	16	ul_fillpktdda251 (2582)	—	—
4144	4159	16	ul_fillpktdda252 (2582)	—	—
4160	4175	16	ul_fillpktdda253 (2582)	—	—
4176	4191	16	ul_fillpktdda254 (2583)	—	—
4192	4207	16	ul_fillpktdda255 (2583)	—	—
4208	4223	16	ul_fillpktdda256 (2583)	—	—
4224	4239	16	ul_fillpktdda257 (2584)	—	—
4240	4255	16	ul_fillpktdda258 (2584)	—	—
4256	4271	16	ul_fillpktdda259 (2584)	—	—
4272	4287	16	ul_fillpktdda260 (2585)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
4288	4303	16	ul_fillpktdta261 (2585)	—	—
4304	4319	16	ul_fillpktdta262 (2586)	—	—
4320	4335	16	ul_fillpktdta263 (2586)	—	—
4336	4351	16	ul_fillpktdta264 (2586)	—	—
4352	4367	16	ul_fillpktdta265 (2587)	—	—
4368	4383	16	ul_fillpktdta266 (2587)	—	—
4384	4399	16	ul_fillpktdta267 (2587)	—	—
4400	4415	16	ul_fillpktdta268 (2588)	—	—
4416	4431	16	ul_fillpktdta269 (2588)	—	—
4432	4447	16	ul_fillpktdta270 (2589)	—	—
4448	4463	16	ul_fillpktdta271 (2589)	—	—
4464	4479	16	ul_fillpktdta272 (2589)	—	—
4480	4495	16	ul_fillpktdta273 (2590)	—	—
4496	4511	16	ul_fillpktdta274 (2590)	—	—
4512	4527	16	ul_fillpktdta275 (2590)	—	—
4528	4543	16	ul_fillpktdta276 (2591)	—	—
4544	4559	16	ul_fillpktdta277 (2591)	—	—
4560	4575	16	ul_fillpktdta278 (2591)	—	—
4576	4591	16	ul_fillpktdta279 (2592)	—	—
4592	4607	16	ul_fillpktdta280 (2592)	—	—
4608	4623	16	ul_fillpktdta281 (2593)	—	—
4624	4639	16	ul_fillpktdta282 (2593)	—	—
4640	4655	16	ul_fillpktdta283 (2593)	—	—
4656	4671	16	ul_fillpktdta284 (2594)	—	—
4672	4687	16	ul_fillpktdta285 (2594)	—	—
4688	4703	16	ul_fillpktdta286 (2594)	—	—
4704	4719	16	ul_fillpktdta287 (2595)	—	—
4720	4735	16	ul_fillpktdta288 (2595)	—	—
4736	4751	16	ul_fillpktdta289 (2595)	—	—
4752	4767	16	ul_fillpktdta290 (2596)	—	—
4768	4783	16	ul_fillpktdta291 (2596)	—	—
4784	4799	16	ul_fillpktdta292 (2597)	—	—
4800	4815	16	ul_fillpktdta293 (2597)	—	—
4816	4831	16	ul_fillpktdta294 (2597)	—	—
4832	4847	16	ul_fillpktdta295 (2598)	—	—
4848	4863	16	ul_fillpktdta296 (2598)	—	—
4864	4879	16	ul_fillpktdta297 (2598)	—	—
4880	4895	16	ul_fillpktdta298 (2599)	—	—
4896	4911	16	ul_fillpktdta299 (2599)	—	—
4912	4927	16	ul_fillpktdta300 (2600)	—	—
4928	4943	16	ul_fillpktdta301 (2600)	—	—
4944	4959	16	ul_fillpktdta302 (2601)	—	—
4960	4975	16	ul_fillpktdta303 (2601)	—	—
4976	4991	16	ul_fillpktdta304 (2601)	—	—
4992	5007	16	ul_fillpktdta305 (2602)	—	—
5008	5023	16	ul_fillpktdta306 (2602)	—	—
5024	5039	16	ul_fillpktdta307 (2602)	—	—

Packet **ul fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5040	5055	16	ul fillpktdta308 (2603)	—	—
5056	5071	16	ul fillpktdta309 (2603)	—	—
5072	5087	16	ul fillpktdta310 (2604)	—	—
5088	5103	16	ul fillpktdta311 (2604)	—	—
5104	5119	16	ul fillpktdta312 (2604)	—	—
5120	5135	16	ul fillpktdta313 (2605)	—	—
5136	5151	16	ul fillpktdta314 (2605)	—	—
5152	5167	16	ul fillpktdta315 (2605)	—	—
5168	5183	16	ul fillpktdta316 (2606)	—	—
5184	5199	16	ul fillpktdta317 (2606)	—	—
5200	5215	16	ul fillpktdta318 (2606)	—	—
5216	5231	16	ul fillpktdta319 (2607)	—	—
5232	5247	16	ul fillpktdta320 (2607)	—	—
5248	5263	16	ul fillpktdta321 (2608)	—	—
5264	5279	16	ul fillpktdta322 (2608)	—	—
5280	5295	16	ul fillpktdta323 (2608)	—	—
5296	5311	16	ul fillpktdta324 (2609)	—	—
5312	5327	16	ul fillpktdta325 (2609)	—	—
5328	5343	16	ul fillpktdta326 (2609)	—	—
5344	5359	16	ul fillpktdta327 (2610)	—	—
5360	5375	16	ul fillpktdta328 (2610)	—	—
5376	5391	16	ul fillpktdta329 (2610)	—	—
5392	5407	16	ul fillpktdta330 (2611)	—	—
5408	5423	16	ul fillpktdta331 (2611)	—	—
5424	5439	16	ul fillpktdta332 (2612)	—	—
5440	5455	16	ul fillpktdta333 (2612)	—	—
5456	5471	16	ul fillpktdta334 (2612)	—	—
5472	5487	16	ul fillpktdta335 (2613)	—	—
5488	5503	16	ul fillpktdta336 (2613)	—	—
5504	5519	16	ul fillpktdta337 (2613)	—	—
5520	5535	16	ul fillpktdta338 (2614)	—	—
5536	5551	16	ul fillpktdta339 (2614)	—	—
5552	5567	16	ul fillpktdta340 (2615)	—	—
5568	5583	16	ul fillpktdta341 (2615)	—	—
5584	5599	16	ul fillpktdta342 (2615)	—	—
5600	5615	16	ul fillpktdta343 (2616)	—	—
5616	5631	16	ul fillpktdta344 (2616)	—	—
5632	5647	16	ul fillpktdta345 (2616)	—	—
5648	5663	16	ul fillpktdta346 (2617)	—	—
5664	5679	16	ul fillpktdta347 (2617)	—	—
5680	5695	16	ul fillpktdta348 (2617)	—	—
5696	5711	16	ul fillpktdta349 (2618)	—	—
5712	5727	16	ul fillpktdta350 (2618)	—	—
5728	5743	16	ul fillpktdta351 (2619)	—	—
5744	5759	16	ul fillpktdta352 (2619)	—	—
5760	5775	16	ul fillpktdta353 (2619)	—	—
5776	5791	16	ul fillpktdta354 (2620)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5792	5807	16	ul_fillpktdta355 (2620)	—	—
5808	5823	16	ul_fillpktdta356 (2620)	—	—
5824	5839	16	ul_fillpktdta357 (2621)	—	—
5840	5855	16	ul_fillpktdta358 (2621)	—	—
5856	5871	16	ul_fillpktdta359 (2621)	—	—
5872	5887	16	ul_fillpktdta360 (2622)	—	—
5888	5903	16	ul_fillpktdta361 (2622)	—	—
5904	5919	16	ul_fillpktdta362 (2623)	—	—
5920	5935	16	ul_fillpktdta363 (2623)	—	—
5936	5951	16	ul_fillpktdta364 (2623)	—	—
5952	5967	16	ul_fillpktdta365 (2624)	—	—
5968	5983	16	ul_fillpktdta366 (2624)	—	—
5984	5999	16	ul_fillpktdta367 (2624)	—	—
6000	6015	16	ul_fillpktdta368 (2625)	—	—
6016	6031	16	ul_fillpktdta369 (2625)	—	—
6032	6047	16	ul_fillpktdta370 (2626)	—	—
6048	6063	16	ul_fillpktdta371 (2626)	—	—
6064	6079	16	ul_fillpktdta372 (2626)	—	—
6080	6095	16	ul_fillpktdta373 (2627)	—	—
6096	6111	16	ul_fillpktdta374 (2627)	—	—
6112	6127	16	ul_fillpktdta375 (2627)	—	—
6128	6143	16	ul_fillpktdta376 (2628)	—	—
6144	6159	16	ul_fillpktdta377 (2628)	—	—
6160	6175	16	ul_fillpktdta378 (2628)	—	—
6176	6191	16	ul_fillpktdta379 (2629)	—	—
6192	6207	16	ul_fillpktdta380 (2629)	—	—
6208	6223	16	ul_fillpktdta381 (2630)	—	—
6224	6239	16	ul_fillpktdta382 (2630)	—	—
6240	6255	16	ul_fillpktdta383 (2630)	—	—
6256	6271	16	ul_fillpktdta384 (2631)	—	—
6272	6287	16	ul_fillpktdta385 (2631)	—	—
6288	6303	16	ul_fillpktdta386 (2631)	—	—
6304	6319	16	ul_fillpktdta387 (2632)	—	—
6320	6335	16	ul_fillpktdta388 (2632)	—	—
6336	6351	16	ul_fillpktdta389 (2632)	—	—
6352	6367	16	ul_fillpktdta390 (2633)	—	—
6368	6383	16	ul_fillpktdta391 (2633)	—	—
6384	6399	16	ul_fillpktdta392 (2634)	—	—
6400	6415	16	ul_fillpktdta393 (2634)	—	—
6416	6431	16	ul_fillpktdta394 (2634)	—	—
6432	6447	16	ul_fillpktdta395 (2635)	—	—
6448	6463	16	ul_fillpktdta396 (2635)	—	—
6464	6479	16	ul_fillpktdta397 (2635)	—	—
6480	6495	16	ul_fillpktdta398 (2636)	—	—
6496	6511	16	ul_fillpktdta399 (2636)	—	—
6512	6527	16	ul_fillpktdta400 (2637)	—	—
6528	6543	16	ul_fillpktdta401 (2637)	—	—

Packet **ul fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
6544	6559	16	ul fillpktdta402 (2638)	—	—
6560	6575	16	ul fillpktdta403 (2638)	—	—
6576	6591	16	ul fillpktdta404 (2638)	—	—
6592	6607	16	ul fillpktdta405 (2639)	—	—
6608	6623	16	ul fillpktdta406 (2639)	—	—
6624	6639	16	ul fillpktdta407 (2639)	—	—
6640	6655	16	ul fillpktdta408 (2640)	—	—
6656	6671	16	ul fillpktdta409 (2640)	—	—
6672	6687	16	ul fillpktdta410 (2641)	—	—
6688	6703	16	ul fillpktdta411 (2641)	—	—
6704	6719	16	ul fillpktdta412 (2641)	—	—
6720	6735	16	ul fillpktdta413 (2642)	—	—
6736	6751	16	ul fillpktdta414 (2642)	—	—
6752	6767	16	ul fillpktdta415 (2642)	—	—
6768	6783	16	ul fillpktdta416 (2643)	—	—
6784	6799	16	ul fillpktdta417 (2643)	—	—
6800	6815	16	ul fillpktdta418 (2643)	—	—
6816	6831	16	ul fillpktdta419 (2644)	—	—
6832	6847	16	ul fillpktdta420 (2644)	—	—
6848	6863	16	ul fillpktdta421 (2645)	—	—
6864	6879	16	ul fillpktdta422 (2645)	—	—
6880	6895	16	ul fillpktdta423 (2645)	—	—
6896	6911	16	ul fillpktdta424 (2646)	—	—
6912	6927	16	ul fillpktdta425 (2646)	—	—
6928	6943	16	ul fillpktdta426 (2646)	—	—
6944	6959	16	ul fillpktdta427 (2647)	—	—
6960	6975	16	ul fillpktdta428 (2647)	—	—
6976	6991	16	ul fillpktdta429 (2647)	—	—
6992	7007	16	ul fillpktdta430 (2648)	—	—
7008	7023	16	ul fillpktdta431 (2648)	—	—
7024	7039	16	ul fillpktdta432 (2649)	—	—
7040	7055	16	ul fillpktdta433 (2649)	—	—
7056	7071	16	ul fillpktdta434 (2649)	—	—
7072	7087	16	ul fillpktdta435 (2650)	—	—
7088	7103	16	ul fillpktdta436 (2650)	—	—
7104	7119	16	ul fillpktdta437 (2650)	—	—
7120	7135	16	ul fillpktdta438 (2651)	—	—
7136	7151	16	ul fillpktdta439 (2651)	—	—
7152	7167	16	ul fillpktdta440 (2652)	—	—
7168	7183	16	ul fillpktdta441 (2652)	—	—
7184	7199	16	ul fillpktdta442 (2652)	—	—
7200	7215	16	ul fillpktdta443 (2653)	—	—
7216	7231	16	ul fillpktdta444 (2653)	—	—
7232	7247	16	ul fillpktdta445 (2653)	—	—
7248	7263	16	ul fillpktdta446 (2654)	—	—
7264	7279	16	ul fillpktdta447 (2654)	—	—
7280	7295	16	ul fillpktdta448 (2654)	—	—

Packet **ul_fill_pkt** Format, cont'd

start bit	stop bit	size bits	field		
7296	7311	16	ul_fillpktdda449 (2655)	—	—
7312	7327	16	ul_fillpktdda450 (2655)	—	—
7328	7343	16	ul_fillpktdda451 (2656)	—	—
7344	7359	16	ul_fillpktdda452 (2656)	—	—
7360	7375	16	ul_fillpktdda453 (2656)	—	—
7376	7391	16	ul_fillpktdda454 (2657)	—	—
7392	7407	16	ul_fillpktdda455 (2657)	—	—
7408	7423	16	ul_fillpktdda456 (2657)	—	—
7424	7439	16	ul_fillpktdda457 (2658)	—	—
7440	7455	16	ul_fillpktdda458 (2658)	—	—
7456	7471	16	ul_fillpktdda459 (2658)	—	—
7472	7487	16	ul_fillpktdda460 (2659)	—	—
7488	7503	16	ul_fillpktdda461 (2659)	—	—
7504	7519	16	ul_fillpktdda462 (2660)	—	—
7520	7535	16	ul_fillpktdda463 (2660)	—	—
7536	7551	16	ul_fillpktdda464 (2660)	—	—
7552	7567	16	ul_fillpktdda465 (2661)	—	—
7568	7583	16	ul_fillpktdda466 (2661)	—	—
7584	7599	16	ul_fillpktdda467 (2661)	—	—
7600	7615	16	ul_fillpktdda468 (2662)	—	—
7616	7631	16	ul_fillpktdda469 (2662)	—	—
7632	7647	16	ul_fillpktdda470 (2663)	—	—
7648	7663	16	ul_fillpktdda471 (2663)	—	—
7664	7679	16	ul_fillpktdda472 (2663)	—	—
7680	7695	16	ul_fillpktdda473 (2664)	—	—
7696	7711	16	ul_fillpktdda474 (2664)	—	—
7712	7727	16	ul_fillpktdda475 (2664)	—	—

Packet size = 7728 bits (966 bytes) .

F.47 ul mem_dmp_pkt

Packet Source Application Identifier

0x7f2 (2034)

OASIS Stream Name

ul2034

Description

This is the Memory Dump packet within the Uplink VCDU, SID=0xFF2

Format

Packet **ul mem_dmp_pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	ul mdpid (2850)	—	—
16	17	2	ul mdsflg (2851)	—	—
18	31	14	ul mdscst (2851)	—	—
32	47	16	ul mdpl (2851)	—	—
48	63	16	ul mdhws (2849)	—	—
64	79	16	ul mdlws (2850)	—	—
80	95	16	ul mdhwss (2849)	—	—
96	111	16	ul mdlwss (2850)	—	—
112	112	1	ul mdtype (2852)	—	—
113	143	31	ul mdstadr (2852)	—	—
144	159	16	ul mddta0 (2691)	—	—
160	175	16	ul mddta1 (2691)	—	—
176	191	16	ul mddta2 (2728)	—	—
192	207	16	ul mddta3 (2765)	—	—
208	223	16	ul mddta4 (2802)	—	—
224	239	16	ul mddta5 (2831)	—	—
240	255	16	ul mddta6 (2834)	—	—
256	271	16	ul mddta7 (2838)	—	—
272	287	16	ul mddta8 (2842)	—	—
288	303	16	ul mddta9 (2845)	—	—
304	319	16	ul mddta10 (2692)	—	—
320	335	16	ul mddta11 (2695)	—	—
336	351	16	ul mddta12 (2699)	—	—
352	367	16	ul mddta13 (2703)	—	—
368	383	16	ul mddta14 (2706)	—	—
384	399	16	ul mddta15 (2710)	—	—
400	415	16	ul mddta16 (2714)	—	—
416	431	16	ul mddta17 (2717)	—	—
432	447	16	ul mddta18 (2721)	—	—
448	463	16	ul mddta19 (2725)	—	—
464	479	16	ul mddta20 (2729)	—	—
480	495	16	ul mddta21 (2732)	—	—
496	511	16	ul mddta22 (2736)	—	—
512	527	16	ul mddta23 (2740)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	ul mddta24 (2743)	—	—
544	559	16	ul mddta25 (2747)	—	—
560	575	16	ul mddta26 (2751)	—	—
576	591	16	ul mddta27 (2754)	—	—
592	607	16	ul mddta28 (2758)	—	—
608	623	16	ul mddta29 (2762)	—	—
624	639	16	ul mddta30 (2766)	—	—
640	655	16	ul mddta31 (2769)	—	—
656	671	16	ul mddta32 (2773)	—	—
672	687	16	ul mddta33 (2777)	—	—
688	703	16	ul mddta34 (2780)	—	—
704	719	16	ul mddta35 (2784)	—	—
720	735	16	ul mddta36 (2788)	—	—
736	751	16	ul mddta37 (2791)	—	—
752	767	16	ul mddta38 (2795)	—	—
768	783	16	ul mddta39 (2799)	—	—
784	799	16	ul mddta40 (2803)	—	—
800	815	16	ul mddta41 (2806)	—	—
816	831	16	ul mddta42 (2810)	—	—
832	847	16	ul mddta43 (2814)	—	—
848	863	16	ul mddta44 (2817)	—	—
864	879	16	ul mddta45 (2821)	—	—
880	895	16	ul mddta46 (2825)	—	—
896	911	16	ul mddta47 (2828)	—	—
912	927	16	ul mddta48 (2830)	—	—
928	943	16	ul mddta49 (2830)	—	—
944	959	16	ul mddta50 (2831)	—	—
960	975	16	ul mddta51 (2831)	—	—
976	991	16	ul mddta52 (2832)	—	—
992	1007	16	ul mddta53 (2832)	—	—
1008	1023	16	ul mddta54 (2832)	—	—
1024	1039	16	ul mddta55 (2833)	—	—
1040	1055	16	ul mddta56 (2833)	—	—
1056	1071	16	ul mddta57 (2833)	—	—
1072	1087	16	ul mddta58 (2834)	—	—
1088	1103	16	ul mddta59 (2834)	—	—
1104	1119	16	ul mddta60 (2835)	—	—
1120	1135	16	ul mddta61 (2835)	—	—
1136	1151	16	ul mddta62 (2835)	—	—
1152	1167	16	ul mddta63 (2836)	—	—
1168	1183	16	ul mddta64 (2836)	—	—
1184	1199	16	ul mddta65 (2836)	—	—
1200	1215	16	ul mddta66 (2837)	—	—
1216	1231	16	ul mddta67 (2837)	—	—
1232	1247	16	ul mddta68 (2837)	—	—
1248	1263	16	ul mddta69 (2838)	—	—
1264	1279	16	ul mddta70 (2838)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
1280	1295	16	ul mddta71 (2839)	—	—
1296	1311	16	ul mddta72 (2839)	—	—
1312	1327	16	ul mddta73 (2839)	—	—
1328	1343	16	ul mddta74 (2840)	—	—
1344	1359	16	ul mddta75 (2840)	—	—
1360	1375	16	ul mddta76 (2840)	—	—
1376	1391	16	ul mddta77 (2841)	—	—
1392	1407	16	ul mddta78 (2841)	—	—
1408	1423	16	ul mddta79 (2841)	—	—
1424	1439	16	ul mddta80 (2842)	—	—
1440	1455	16	ul mddta81 (2842)	—	—
1456	1471	16	ul mddta82 (2843)	—	—
1472	1487	16	ul mddta83 (2843)	—	—
1488	1503	16	ul mddta84 (2843)	—	—
1504	1519	16	ul mddta85 (2844)	—	—
1520	1535	16	ul mddta86 (2844)	—	—
1536	1551	16	ul mddta87 (2844)	—	—
1552	1567	16	ul mddta88 (2845)	—	—
1568	1583	16	ul mddta89 (2845)	—	—
1584	1599	16	ul mddta90 (2846)	—	—
1600	1615	16	ul mddta91 (2846)	—	—
1616	1631	16	ul mddta92 (2846)	—	—
1632	1647	16	ul mddta93 (2847)	—	—
1648	1663	16	ul mddta94 (2847)	—	—
1664	1679	16	ul mddta95 (2847)	—	—
1680	1695	16	ul mddta96 (2848)	—	—
1696	1711	16	ul mddta97 (2848)	—	—
1712	1727	16	ul mddta98 (2848)	—	—
1728	1743	16	ul mddta99 (2849)	—	—
1744	1759	16	ul mddta100 (2692)	—	—
1760	1775	16	ul mddta101 (2692)	—	—
1776	1791	16	ul mddta102 (2693)	—	—
1792	1807	16	ul mddta103 (2693)	—	—
1808	1823	16	ul mddta104 (2693)	—	—
1824	1839	16	ul mddta105 (2694)	—	—
1840	1855	16	ul mddta106 (2694)	—	—
1856	1871	16	ul mddta107 (2694)	—	—
1872	1887	16	ul mddta108 (2695)	—	—
1888	1903	16	ul mddta109 (2695)	—	—
1904	1919	16	ul mddta110 (2696)	—	—
1920	1935	16	ul mddta111 (2696)	—	—
1936	1951	16	ul mddta112 (2696)	—	—
1952	1967	16	ul mddta113 (2697)	—	—
1968	1983	16	ul mddta114 (2697)	—	—
1984	1999	16	ul mddta115 (2697)	—	—
2000	2015	16	ul mddta116 (2698)	—	—
2016	2031	16	ul mddta117 (2698)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2032	2047	16	ul mddta118 (2698)	—	—
2048	2063	16	ul mddta119 (2699)	—	—
2064	2079	16	ul mddta120 (2699)	—	—
2080	2095	16	ul mddta121 (2700)	—	—
2096	2111	16	ul mddta122 (2700)	—	—
2112	2127	16	ul mddta123 (2700)	—	—
2128	2143	16	ul mddta124 (2701)	—	—
2144	2159	16	ul mddta125 (2701)	—	—
2160	2175	16	ul mddta126 (2701)	—	—
2176	2191	16	ul mddta127 (2702)	—	—
2192	2207	16	ul mddta128 (2702)	—	—
2208	2223	16	ul mddta129 (2702)	—	—
2224	2239	16	ul mddta130 (2703)	—	—
2240	2255	16	ul mddta131 (2703)	—	—
2256	2271	16	ul mddta132 (2704)	—	—
2272	2287	16	ul mddta133 (2704)	—	—
2288	2303	16	ul mddta134 (2704)	—	—
2304	2319	16	ul mddta135 (2705)	—	—
2320	2335	16	ul mddta136 (2705)	—	—
2336	2351	16	ul mddta137 (2705)	—	—
2352	2367	16	ul mddta138 (2706)	—	—
2368	2383	16	ul mddta139 (2706)	—	—
2384	2399	16	ul mddta140 (2707)	—	—
2400	2415	16	ul mddta141 (2707)	—	—
2416	2431	16	ul mddta142 (2707)	—	—
2432	2447	16	ul mddta143 (2708)	—	—
2448	2463	16	ul mddta144 (2708)	—	—
2464	2479	16	ul mddta145 (2708)	—	—
2480	2495	16	ul mddta146 (2709)	—	—
2496	2511	16	ul mddta147 (2709)	—	—
2512	2527	16	ul mddta148 (2709)	—	—
2528	2543	16	ul mddta149 (2710)	—	—
2544	2559	16	ul mddta150 (2710)	—	—
2560	2575	16	ul mddta151 (2711)	—	—
2576	2591	16	ul mddta152 (2711)	—	—
2592	2607	16	ul mddta153 (2711)	—	—
2608	2623	16	ul mddta154 (2712)	—	—
2624	2639	16	ul mddta155 (2712)	—	—
2640	2655	16	ul mddta156 (2712)	—	—
2656	2671	16	ul mddta157 (2713)	—	—
2672	2687	16	ul mddta158 (2713)	—	—
2688	2703	16	ul mddta159 (2713)	—	—
2704	2719	16	ul mddta160 (2714)	—	—
2720	2735	16	ul mddta161 (2714)	—	—
2736	2751	16	ul mddta162 (2715)	—	—
2752	2767	16	ul mddta163 (2715)	—	—
2768	2783	16	ul mddta164 (2715)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
2784	2799	16	ul mddta165 (2716)	—	—
2800	2815	16	ul mddta166 (2716)	—	—
2816	2831	16	ul mddta167 (2716)	—	—
2832	2847	16	ul mddta168 (2717)	—	—
2848	2863	16	ul mddta169 (2717)	—	—
2864	2879	16	ul mddta170 (2718)	—	—
2880	2895	16	ul mddta171 (2718)	—	—
2896	2911	16	ul mddta172 (2718)	—	—
2912	2927	16	ul mddta173 (2719)	—	—
2928	2943	16	ul mddta174 (2719)	—	—
2944	2959	16	ul mddta175 (2719)	—	—
2960	2975	16	ul mddta176 (2720)	—	—
2976	2991	16	ul mddta177 (2720)	—	—
2992	3007	16	ul mddta178 (2720)	—	—
3008	3023	16	ul mddta179 (2721)	—	—
3024	3039	16	ul mddta180 (2721)	—	—
3040	3055	16	ul mddta181 (2722)	—	—
3056	3071	16	ul mddta182 (2722)	—	—
3072	3087	16	ul mddta183 (2722)	—	—
3088	3103	16	ul mddta184 (2723)	—	—
3104	3119	16	ul mddta185 (2723)	—	—
3120	3135	16	ul mddta186 (2723)	—	—
3136	3151	16	ul mddta187 (2724)	—	—
3152	3167	16	ul mddta188 (2724)	—	—
3168	3183	16	ul mddta189 (2724)	—	—
3184	3199	16	ul mddta190 (2725)	—	—
3200	3215	16	ul mddta191 (2725)	—	—
3216	3231	16	ul mddta192 (2726)	—	—
3232	3247	16	ul mddta193 (2726)	—	—
3248	3263	16	ul mddta194 (2726)	—	—
3264	3279	16	ul mddta195 (2727)	—	—
3280	3295	16	ul mddta196 (2727)	—	—
3296	3311	16	ul mddta197 (2727)	—	—
3312	3327	16	ul mddta198 (2728)	—	—
3328	3343	16	ul mddta199 (2728)	—	—
3344	3359	16	ul mddta200 (2729)	—	—
3360	3375	16	ul mddta201 (2729)	—	—
3376	3391	16	ul mddta202 (2730)	—	—
3392	3407	16	ul mddta203 (2730)	—	—
3408	3423	16	ul mddta204 (2730)	—	—
3424	3439	16	ul mddta205 (2731)	—	—
3440	3455	16	ul mddta206 (2731)	—	—
3456	3471	16	ul mddta207 (2731)	—	—
3472	3487	16	ul mddta208 (2732)	—	—
3488	3503	16	ul mddta209 (2732)	—	—
3504	3519	16	ul mddta210 (2733)	—	—
3520	3535	16	ul mddta211 (2733)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
3536	3551	16	ul mddta212 (2733)	—	—
3552	3567	16	ul mddta213 (2734)	—	—
3568	3583	16	ul mddta214 (2734)	—	—
3584	3599	16	ul mddta215 (2734)	—	—
3600	3615	16	ul mddta216 (2735)	—	—
3616	3631	16	ul mddta217 (2735)	—	—
3632	3647	16	ul mddta218 (2735)	—	—
3648	3663	16	ul mddta219 (2736)	—	—
3664	3679	16	ul mddta220 (2736)	—	—
3680	3695	16	ul mddta221 (2737)	—	—
3696	3711	16	ul mddta222 (2737)	—	—
3712	3727	16	ul mddta223 (2737)	—	—
3728	3743	16	ul mddta224 (2738)	—	—
3744	3759	16	ul mddta225 (2738)	—	—
3760	3775	16	ul mddta226 (2738)	—	—
3776	3791	16	ul mddta227 (2739)	—	—
3792	3807	16	ul mddta228 (2739)	—	—
3808	3823	16	ul mddta229 (2739)	—	—
3824	3839	16	ul mddta230 (2740)	—	—
3840	3855	16	ul mddta231 (2740)	—	—
3856	3871	16	ul mddta232 (2741)	—	—
3872	3887	16	ul mddta233 (2741)	—	—
3888	3903	16	ul mddta234 (2741)	—	—
3904	3919	16	ul mddta235 (2742)	—	—
3920	3935	16	ul mddta236 (2742)	—	—
3936	3951	16	ul mddta237 (2742)	—	—
3952	3967	16	ul mddta238 (2743)	—	—
3968	3983	16	ul mddta239 (2743)	—	—
3984	3999	16	ul mddta240 (2744)	—	—
4000	4015	16	ul mddta241 (2744)	—	—
4016	4031	16	ul mddta242 (2744)	—	—
4032	4047	16	ul mddta243 (2745)	—	—
4048	4063	16	ul mddta244 (2745)	—	—
4064	4079	16	ul mddta245 (2745)	—	—
4080	4095	16	ul mddta246 (2746)	—	—
4096	4111	16	ul mddta247 (2746)	—	—
4112	4127	16	ul mddta248 (2746)	—	—
4128	4143	16	ul mddta249 (2747)	—	—
4144	4159	16	ul mddta250 (2747)	—	—
4160	4175	16	ul mddta251 (2748)	—	—
4176	4191	16	ul mddta252 (2748)	—	—
4192	4207	16	ul mddta253 (2748)	—	—
4208	4223	16	ul mddta254 (2749)	—	—
4224	4239	16	ul mddta255 (2749)	—	—
4240	4255	16	ul mddta256 (2749)	—	—
4256	4271	16	ul mddta257 (2750)	—	—
4272	4287	16	ul mddta258 (2750)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
4288	4303	16	ul mddta259 (2750)	—	—
4304	4319	16	ul mddta260 (2751)	—	—
4320	4335	16	ul mddta261 (2751)	—	—
4336	4351	16	ul mddta262 (2752)	—	—
4352	4367	16	ul mddta263 (2752)	—	—
4368	4383	16	ul mddta264 (2752)	—	—
4384	4399	16	ul mddta265 (2753)	—	—
4400	4415	16	ul mddta266 (2753)	—	—
4416	4431	16	ul mddta267 (2753)	—	—
4432	4447	16	ul mddta268 (2754)	—	—
4448	4463	16	ul mddta269 (2754)	—	—
4464	4479	16	ul mddta270 (2755)	—	—
4480	4495	16	ul mddta271 (2755)	—	—
4496	4511	16	ul mddta272 (2755)	—	—
4512	4527	16	ul mddta273 (2756)	—	—
4528	4543	16	ul mddta274 (2756)	—	—
4544	4559	16	ul mddta275 (2756)	—	—
4560	4575	16	ul mddta276 (2757)	—	—
4576	4591	16	ul mddta277 (2757)	—	—
4592	4607	16	ul mddta278 (2757)	—	—
4608	4623	16	ul mddta279 (2758)	—	—
4624	4639	16	ul mddta280 (2758)	—	—
4640	4655	16	ul mddta281 (2759)	—	—
4656	4671	16	ul mddta282 (2759)	—	—
4672	4687	16	ul mddta283 (2759)	—	—
4688	4703	16	ul mddta284 (2760)	—	—
4704	4719	16	ul mddta285 (2760)	—	—
4720	4735	16	ul mddta286 (2760)	—	—
4736	4751	16	ul mddta287 (2761)	—	—
4752	4767	16	ul mddta288 (2761)	—	—
4768	4783	16	ul mddta289 (2761)	—	—
4784	4799	16	ul mddta290 (2762)	—	—
4800	4815	16	ul mddta291 (2762)	—	—
4816	4831	16	ul mddta292 (2763)	—	—
4832	4847	16	ul mddta293 (2763)	—	—
4848	4863	16	ul mddta294 (2763)	—	—
4864	4879	16	ul mddta295 (2764)	—	—
4880	4895	16	ul mddta296 (2764)	—	—
4896	4911	16	ul mddta297 (2764)	—	—
4912	4927	16	ul mddta298 (2765)	—	—
4928	4943	16	ul mddta299 (2765)	—	—
4944	4959	16	ul mddta300 (2766)	—	—
4960	4975	16	ul mddta301 (2766)	—	—
4976	4991	16	ul mddta302 (2767)	—	—
4992	5007	16	ul mddta303 (2767)	—	—
5008	5023	16	ul mddta304 (2767)	—	—
5024	5039	16	ul mddta305 (2768)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5040	5055	16	ul mddta306 (2768)	—	—
5056	5071	16	ul mddta307 (2768)	—	—
5072	5087	16	ul mddta308 (2769)	—	—
5088	5103	16	ul mddta309 (2769)	—	—
5104	5119	16	ul mddta310 (2770)	—	—
5120	5135	16	ul mddta311 (2770)	—	—
5136	5151	16	ul mddta312 (2770)	—	—
5152	5167	16	ul mddta313 (2771)	—	—
5168	5183	16	ul mddta314 (2771)	—	—
5184	5199	16	ul mddta315 (2771)	—	—
5200	5215	16	ul mddta316 (2772)	—	—
5216	5231	16	ul mddta317 (2772)	—	—
5232	5247	16	ul mddta318 (2772)	—	—
5248	5263	16	ul mddta319 (2773)	—	—
5264	5279	16	ul mddta320 (2773)	—	—
5280	5295	16	ul mddta321 (2774)	—	—
5296	5311	16	ul mddta322 (2774)	—	—
5312	5327	16	ul mddta323 (2774)	—	—
5328	5343	16	ul mddta324 (2775)	—	—
5344	5359	16	ul mddta325 (2775)	—	—
5360	5375	16	ul mddta326 (2775)	—	—
5376	5391	16	ul mddta327 (2776)	—	—
5392	5407	16	ul mddta328 (2776)	—	—
5408	5423	16	ul mddta329 (2776)	—	—
5424	5439	16	ul mddta330 (2777)	—	—
5440	5455	16	ul mddta331 (2777)	—	—
5456	5471	16	ul mddta332 (2778)	—	—
5472	5487	16	ul mddta333 (2778)	—	—
5488	5503	16	ul mddta334 (2778)	—	—
5504	5519	16	ul mddta335 (2779)	—	—
5520	5535	16	ul mddta336 (2779)	—	—
5536	5551	16	ul mddta337 (2779)	—	—
5552	5567	16	ul mddta338 (2780)	—	—
5568	5583	16	ul mddta339 (2780)	—	—
5584	5599	16	ul mddta340 (2781)	—	—
5600	5615	16	ul mddta341 (2781)	—	—
5616	5631	16	ul mddta342 (2781)	—	—
5632	5647	16	ul mddta343 (2782)	—	—
5648	5663	16	ul mddta344 (2782)	—	—
5664	5679	16	ul mddta345 (2782)	—	—
5680	5695	16	ul mddta346 (2783)	—	—
5696	5711	16	ul mddta347 (2783)	—	—
5712	5727	16	ul mddta348 (2783)	—	—
5728	5743	16	ul mddta349 (2784)	—	—
5744	5759	16	ul mddta350 (2784)	—	—
5760	5775	16	ul mddta351 (2785)	—	—
5776	5791	16	ul mddta352 (2785)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
5792	5807	16	ul mddta353 (2785)	—	—
5808	5823	16	ul mddta354 (2786)	—	—
5824	5839	16	ul mddta355 (2786)	—	—
5840	5855	16	ul mddta356 (2786)	—	—
5856	5871	16	ul mddta357 (2787)	—	—
5872	5887	16	ul mddta358 (2787)	—	—
5888	5903	16	ul mddta359 (2787)	—	—
5904	5919	16	ul mddta360 (2788)	—	—
5920	5935	16	ul mddta361 (2788)	—	—
5936	5951	16	ul mddta362 (2789)	—	—
5952	5967	16	ul mddta363 (2789)	—	—
5968	5983	16	ul mddta364 (2789)	—	—
5984	5999	16	ul mddta365 (2790)	—	—
6000	6015	16	ul mddta366 (2790)	—	—
6016	6031	16	ul mddta367 (2790)	—	—
6032	6047	16	ul mddta368 (2791)	—	—
6048	6063	16	ul mddta369 (2791)	—	—
6064	6079	16	ul mddta370 (2792)	—	—
6080	6095	16	ul mddta371 (2792)	—	—
6096	6111	16	ul mddta372 (2792)	—	—
6112	6127	16	ul mddta373 (2793)	—	—
6128	6143	16	ul mddta374 (2793)	—	—
6144	6159	16	ul mddta375 (2793)	—	—
6160	6175	16	ul mddta376 (2794)	—	—
6176	6191	16	ul mddta377 (2794)	—	—
6192	6207	16	ul mddta378 (2794)	—	—
6208	6223	16	ul mddta379 (2795)	—	—
6224	6239	16	ul mddta380 (2795)	—	—
6240	6255	16	ul mddta381 (2796)	—	—
6256	6271	16	ul mddta382 (2796)	—	—
6272	6287	16	ul mddta383 (2796)	—	—
6288	6303	16	ul mddta384 (2797)	—	—
6304	6319	16	ul mddta385 (2797)	—	—
6320	6335	16	ul mddta386 (2797)	—	—
6336	6351	16	ul mddta387 (2798)	—	—
6352	6367	16	ul mddta388 (2798)	—	—
6368	6383	16	ul mddta389 (2798)	—	—
6384	6399	16	ul mddta390 (2799)	—	—
6400	6415	16	ul mddta391 (2799)	—	—
6416	6431	16	ul mddta392 (2800)	—	—
6432	6447	16	ul mddta393 (2800)	—	—
6448	6463	16	ul mddta394 (2800)	—	—
6464	6479	16	ul mddta395 (2801)	—	—
6480	6495	16	ul mddta396 (2801)	—	—
6496	6511	16	ul mddta397 (2801)	—	—
6512	6527	16	ul mddta398 (2802)	—	—
6528	6543	16	ul mddta399 (2802)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
6544	6559	16	ul mddta400 (2803)	—	—
6560	6575	16	ul mddta401 (2803)	—	—
6576	6591	16	ul mddta402 (2804)	—	—
6592	6607	16	ul mddta403 (2804)	—	—
6608	6623	16	ul mddta404 (2804)	—	—
6624	6639	16	ul mddta405 (2805)	—	—
6640	6655	16	ul mddta406 (2805)	—	—
6656	6671	16	ul mddta407 (2805)	—	—
6672	6687	16	ul mddta408 (2806)	—	—
6688	6703	16	ul mddta409 (2806)	—	—
6704	6719	16	ul mddta410 (2807)	—	—
6720	6735	16	ul mddta411 (2807)	—	—
6736	6751	16	ul mddta412 (2807)	—	—
6752	6767	16	ul mddta413 (2808)	—	—
6768	6783	16	ul mddta414 (2808)	—	—
6784	6799	16	ul mddta415 (2808)	—	—
6800	6815	16	ul mddta416 (2809)	—	—
6816	6831	16	ul mddta417 (2809)	—	—
6832	6847	16	ul mddta418 (2809)	—	—
6848	6863	16	ul mddta419 (2810)	—	—
6864	6879	16	ul mddta420 (2810)	—	—
6880	6895	16	ul mddta421 (2811)	—	—
6896	6911	16	ul mddta422 (2811)	—	—
6912	6927	16	ul mddta423 (2811)	—	—
6928	6943	16	ul mddta424 (2812)	—	—
6944	6959	16	ul mddta425 (2812)	—	—
6960	6975	16	ul mddta426 (2812)	—	—
6976	6991	16	ul mddta427 (2813)	—	—
6992	7007	16	ul mddta428 (2813)	—	—
7008	7023	16	ul mddta429 (2813)	—	—
7024	7039	16	ul mddta430 (2814)	—	—
7040	7055	16	ul mddta431 (2814)	—	—
7056	7071	16	ul mddta432 (2815)	—	—
7072	7087	16	ul mddta433 (2815)	—	—
7088	7103	16	ul mddta434 (2815)	—	—
7104	7119	16	ul mddta435 (2816)	—	—
7120	7135	16	ul mddta436 (2816)	—	—
7136	7151	16	ul mddta437 (2816)	—	—
7152	7167	16	ul mddta438 (2817)	—	—
7168	7183	16	ul mddta439 (2817)	—	—
7184	7199	16	ul mddta440 (2818)	—	—
7200	7215	16	ul mddta441 (2818)	—	—
7216	7231	16	ul mddta442 (2818)	—	—
7232	7247	16	ul mddta443 (2819)	—	—
7248	7263	16	ul mddta444 (2819)	—	—
7264	7279	16	ul mddta445 (2819)	—	—
7280	7295	16	ul mddta446 (2820)	—	—

Packet **ul mem_dmp_pkt** Format, cont'd

start bit	stop bit	size bits	field		
7296	7311	16	ul mddta447 (2820)	—	—
7312	7327	16	ul mddta448 (2820)	—	—
7328	7343	16	ul mddta449 (2821)	—	—
7344	7359	16	ul mddta450 (2821)	—	—
7360	7375	16	ul mddta451 (2822)	—	—
7376	7391	16	ul mddta452 (2822)	—	—
7392	7407	16	ul mddta453 (2822)	—	—
7408	7423	16	ul mddta454 (2823)	—	—
7424	7439	16	ul mddta455 (2823)	—	—
7440	7455	16	ul mddta456 (2823)	—	—
7456	7471	16	ul mddta457 (2824)	—	—
7472	7487	16	ul mddta458 (2824)	—	—
7488	7503	16	ul mddta459 (2824)	—	—
7504	7519	16	ul mddta460 (2825)	—	—
7520	7535	16	ul mddta461 (2825)	—	—
7536	7551	16	ul mddta462 (2826)	—	—
7552	7567	16	ul mddta463 (2826)	—	—
7568	7583	16	ul mddta464 (2826)	—	—
7584	7599	16	ul mddta465 (2827)	—	—
7600	7615	16	ul mddta466 (2827)	—	—
7616	7631	16	ul mddta467 (2827)	—	—
7632	7647	16	ul mddta468 (2828)	—	—
7648	7663	16	ul mddta469 (2828)	—	—
7664	7679	16	ul mddta470 (2829)	—	—
7680	7695	16	ul mddta471 (2829)	—	—
7696	7711	16	ul mddta472 (2829)	—	—
7712	7727	16	ul mddta473 (2830)	—	—

Packet size = 7728 bits (966 bytes) .

F.48 xb ac fst_err_tlm**Packet Source Application Identifier**

0x142 (322)

OASIS Stream Name

xb322

Description

XB AC Fast Telemetry Error Message (XB.AC_FAST_ERR.SID)

FormatPacket **xb ac fst_err_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb acsfsterrpktpid (2910)	—	—
16	17	2	xb acsfsterrpktsflg (2911)	—	—
18	31	14	xb acsfsterrpktsct (2911)	—	—
32	47	16	xb acsfsterrpktpl (2911)	—	—
48	63	16	xb acsfsterrpkthws (2909)	—	—
64	79	16	xb acsfsterrpktlws (2910)	—	—
80	95	16	xb acsfsterrpkthwss (2909)	—	—
96	111	16	xb acsfsterrpktlwss (2910)	—	—

Packet size = 112 bits (14 bytes) .

F.49 xb ac fst tlm**Packet Source Application Identifier**

0x13b (315)

OASIS Stream Name

xb315

Description

XB AC Fast Telemetry Message from APE (XB.AC.FAST.TLM.SID)

FormatPacket **xb ac fst tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb fstpkthdrid (2972)	—	—
16	17	2	xb fstpkthdrsflg (2973)	—	—
18	31	14	xb fstpkthdrsct (2973)	—	—
32	47	16	xb fstpkthdrln (2972)	—	—
48	63	16	xb fsttlmhdrhws (2973)	—	—
64	79	16	xb fsttlmhdrlws (2974)	—	—
80	95	16	xb fsttmhdrsubhws (2974)	—	—
96	111	16	xb fsttmhdrsublws (2974)	—	—
112	113	2	xb rwatach1whlid (3050)	—	—
114	127	14	xb rwatach1accum (3050)	—	—
128	129	2	xb rwatach2whlid (3051)	—	—
130	143	14	xb rwatach2accum (3050)	—	—
144	145	2	xb rwatach3whlid (3051)	—	—
146	159	14	xb rwatach3accum (3051)	—	—
160	160	1	xb rwa1spindir (3034)	—	—
161	163	3	xb rwa1nu (3034)	—	—
164	164	1	xb rwa2spindir (3036)	—	—
165	167	3	xb rwa2nu (3036)	—	—
168	168	1	xb rwa3spindir (3038)	—	—
169	171	3	xb rwa3nu (3038)	—	—
172	172	1	xb rwa4spindir (3040)	—	—
173	175	3	xb rwa4nu (3040)	—	—
176	177	2	xb csscur1cal (2945)	—	—
178	179	2	xb csscur1gain (2945)	—	—
180	191	12	xb csscur1mag (2946)	—	—
192	193	2	xb csscur2cal (2946)	—	—
194	195	2	xb csscur2gain (2946)	—	—
196	207	12	xb csscur2mag (2947)	—	—
208	209	2	xb csscur3cal (2947)	—	—
210	211	2	xb csscur3gain (2947)	—	—
212	223	12	xb csscur3mag (2948)	—	—
224	225	2	xb csscur4cal (2948)	—	—
226	227	2	xb csscur4gain (2948)	—	—
228	239	12	xb csscur4mag (2949)	—	—

Packet **xb ac_fst_tlm** Format, cont'd

start bit	stop bit	size bits	field		
240	241	2	xb csscur5cal (2949)	—	—
242	243	2	xb csscur5gain (2949)	—	—
244	255	12	xb csscur5mag (2950)	—	—
256	257	2	xb csscur6cal (2950)	—	—
258	259	2	xb csscur6gain (2950)	—	—
260	271	12	xb csscur6mag (2951)	—	—
272	273	2	xb csscur7cal (2951)	—	—
274	275	2	xb csscur7gain (2951)	—	—
276	287	12	xb csscur7mag (2952)	—	—
288	289	2	xb csscur8cal (2952)	—	—
290	291	2	xb csscur8gain (2952)	—	—
292	303	12	xb csscur8mag (2953)	—	—
304	319	16	xb iruax (2987)	—	—
320	335	16	xb iruay (2987)	—	—
336	351	16	xb irubx (2990)	—	—
352	367	16	xb iruby (2991)	—	—
368	383	16	xb irucx (2994)	—	—
384	399	16	xb irucy (2994)	—	—
400	401	2	xb rwacur1cal (3040)	—	—
402	403	2	xb rwacur1gain (3041)	—	—
404	415	12	xb rwacur1mag (3041)	—	—
416	417	2	xb rwacur2cal (3042)	—	—
418	419	2	xb rwacur2gain (3042)	—	—
420	431	12	xb rwacur2mag (3042)	—	—
432	433	2	xb rwacur3cal (3043)	—	—
434	435	2	xb rwacur3gain (3043)	—	—
436	447	12	xb rwacur3mag (3044)	—	—
448	449	2	xb_st1 brackettmpcal (3294)	—	—
450	451	2	xb_st1 brackettmpgain (3294)	—	—
452	463	12	xb_st1 brackettmpanalog (3293)	—	—
464	465	2	xb mtbcurxcal (2999)	—	—
466	467	2	xb mtbcurxgain (2999)	—	—
468	479	12	xb mtbcurxmag (2999)	—	—
480	481	2	xb mtbcurycal (3000)	—	—
482	483	2	xb mtbcurygain (3000)	—	—
484	495	12	xb mtbcurymag (3000)	—	—
496	497	2	xb mtbcurzcal (3001)	—	—
498	499	2	xb mtbcurzgain (3001)	—	—
500	511	12	xb mtbcurzmag (3001)	—	—
512	515	4	xb mtbtlmsubadd (3009)	—	—
516	518	3	xb mtbtlmnu (3008)	—	—
519	519	1	xb mtbtlmwdtmr (3009)	—	—
520	520	1	xb mtbtlmsepb (3008)	—	—
521	521	1	xb mtbtlmsepa (3008)	—	—
522	522	1	xb mtbtlmdisz (3006)	—	—
523	523	1	xb mtbtlmenz (3007)	—	—
524	524	1	xb mtbtlmdisy (3006)	—	—

Packet **xb acfst_tlm** Format, cont'd

start bit	stop bit	size bits	field		
525	525	1	xb mtbtlmeny (3007)	—	—
526	526	1	xb mtbtlmdisx (3006)	—	—
527	527	1	xb mtbtlmenx (3007)	—	—
528	531	4	xb mtbcurcmdxsubdd (2996)	—	—
532	532	1	xb mtbcurcmdxdir (2996)	—	—
533	543	11	xb mtbcurcmdxmag (2996)	—	—
544	547	4	xb mtbcurcmdysubdd (2997)	—	—
548	548	1	xb mtbcurcmdydir (2997)	—	—
549	559	11	xb mtbcurcmdymag (2997)	—	—
560	563	4	xb mtbcurcmdzsubdd (2998)	—	—
564	564	1	xb mtbcurcmdzdir (2998)	—	—
565	575	11	xb mtbcurcmdzmag (2998)	—	—

Packet size = 576 bits (72 bytes) .

F.50 xb ac_slow_tlm

Packet Source Application Identifier

0x13d (317)

OASIS Stream Name

xb317

Description

XB AC Slow Telemetry Message from APE (XB_AC_SLOW_TLM.SID)

Format

Packet **xb ac_slow_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb slwpkthdrid (3077)	—	—
16	17	2	xb slwpkthdrsflg (3078)	—	—
18	31	14	xb slwpkthdrsct (3077)	—	—
32	47	16	xb slwpkthdrln (3077)	—	—
48	63	16	xb slwtlmhdrhws (3078)	—	—
64	79	16	xb slwtlmhdrlws (3078)	—	—
80	95	16	xb slwtmhdrsubhws (3079)	—	—
96	111	16	xb slwtmhdrsublws (3079)	—	—
112	115	4	xb rwatcmd1subadd (3052)	—	—
116	116	1	xb rwatcmd1dir (3052)	—	—
117	127	11	xb rwatcmd1mag (3052)	—	—
128	131	4	xb rwatcmd2subadd (3053)	—	—
132	132	1	xb rwatcmd2dir (3052)	—	—
133	143	11	xb rwatcmd2mag (3053)	—	—
144	147	4	xb rwatcmd3subadd (3054)	—	—
148	148	1	xb rwatcmd3dir (3053)	—	—
149	159	11	xb rwatcmd3mag (3054)	—	—
160	160	1	xb rwalvsepstata (3048)	—	—
161	161	1	xb rwalvsepstatb (3049)	—	—
162	175	14	xb rwanu (3049)	—	—
176	177	2	xb mtblinregxcal (3002)	—	—
178	179	2	xb mtblinregxgain (3002)	—	—
180	191	12	xb mtblinregxmag (3002)	—	—
192	193	2	xb mtblinregycal (3003)	—	—
194	195	2	xb mtblinregygain (3003)	—	—
196	207	12	xb mtblinregymag (3004)	—	—
208	209	2	xb mtblinregzcal (3004)	—	—
210	211	2	xb mtblinregzgain (3005)	—	—
212	223	12	xb mtblinregzmag (3005)	—	—
224	225	2	xb tamafieldxcal (3096)	—	—
226	227	2	xb tamafieldxgain (3097)	—	—
228	239	12	xb tamafieldxmag (3097)	—	—
240	241	2	xb tamafieldycal (3098)	—	—
242	243	2	xb tamafieldygain (3098)	—	—

Packet **xb ac_slw_tlm** Format, cont'd

start bit	stop bit	size bits	field		
244	255	12	xb tamafieldymag (3098)	—	—
256	257	2	xb tamafieldzcal (3099)	—	—
258	259	2	xb tamafieldzgain (3099)	—	—
260	271	12	xb tamafieldzmag (3100)	—	—
272	273	2	xb tamatmpcal (3100)	—	—
274	275	2	xb tamatmpgain (3101)	—	—
276	287	12	xb tamatmpmag (3101)	—	—
288	289	2	xb iruatmpcal (2984)	—	—
290	291	2	xb iruatmpgain (2985)	—	—
292	303	12	xb iruatmpmag (2985)	—	—
304	305	2	xb irubtmpcal (2988)	—	—
306	307	2	xb irubtmpgain (2988)	—	—
308	319	12	xb irubtmpmag (2988)	—	—
320	321	2	xb iructmpcal (2991)	—	—
322	323	2	xb iructmpgain (2991)	—	—
324	335	12	xb iructmpmag (2992)	—	—
336	337	2	xb iruawheelcurcal (2986)	—	—
338	339	2	xb iruawheelcurgain (2986)	—	—
340	351	12	xb iruawheelcurmag (2986)	—	—
352	353	2	xb irubwheelcurcal (2989)	—	—
354	355	2	xb irubwheelcurgain (2989)	—	—
356	367	12	xb irubwheelcurmag (2990)	—	—
368	369	2	xb irucwheelcurcal (2992)	—	—
370	371	2	xb irucwheelcurgain (2993)	—	—
372	383	12	xb irucwheelcurmag (2993)	—	—
384	385	2	xb rwacv1cal (3044)	—	—
386	387	2	xb rwacv1gain (3045)	—	—
388	399	12	xb rwacv1mag (3045)	—	—
400	401	2	xb rwacv2cal (3046)	—	—
402	403	2	xb rwacv2gain (3046)	—	—
404	415	12	xb rwacv2mag (3046)	—	—
416	417	2	xb rwacv3cal (3047)	—	—
418	419	2	xb rwacv3gain (3047)	—	—
420	431	12	xb rwacv3mag (3048)	—	—
432	433	2	xb rwa1tmpcal (3035)	—	—
434	435	2	xb rwa1tmpgain (3035)	—	—
436	447	12	xb rwa1tmpmag (3035)	—	—
448	449	2	xb rwa2tmpcal (3037)	—	—
450	451	2	xb rwa2tmpgain (3037)	—	—
452	463	12	xb rwa2tmpmag (3037)	—	—
464	465	2	xb rwa3tmpcal (3039)	—	—
466	467	2	xb rwa3tmpgain (3039)	—	—
468	479	12	xb rwa3tmpmag (3039)	—	—

Packet size = 480 bits (60 bytes) .

F.51 xb eps_fst_tlm

Packet Source Application Identifier

0x06a (106)

OASIS Stream Name

xb106

Description

EPS Fast telemetry from APE

Format

Packet **xb eps_fst_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb epsfstpid (2962)	—	—
16	17	2	xb epsfststflg (2963)	—	—
18	31	14	xb epsfststct (2963)	—	—
32	47	16	xb epsfstpl (2962)	—	—
48	63	16	xb epsfsthws (2961)	—	—
64	79	16	xb epsfstlws (2961)	—	—
80	95	16	xb epsfsthws (2961)	—	—
96	111	16	xb epsfstlws (2962)	—	—
112	115	4	xb sp1xbepsfst (3081)	—	—
116	127	12	xb slrarc (3074)	—	—
128	131	4	xb sp2xbepsfst (3081)	—	—
132	143	12	xb batpresscell1 (2924)	—	—
144	147	4	xb sp3xbepsfst (3082)	—	—
148	159	12	xb batpresscell2 (2924)	—	—
160	163	4	xb sp4xbepsfst (3082)	—	—
164	175	12	xb batvagecpv11 (2928)	—	—
176	179	4	xb sp5xbepsfst (3082)	—	—
180	191	12	xb busvoltage (2932)	—	—
192	195	4	xb sp6xbepsfst (3083)	—	—
196	207	12	xb batcur (2923)	—	—
208	211	4	xb sp7xbepsfst (3083)	—	—
212	223	12	xb buscurl (2931)	—	—
224	227	4	xb sp8xbepsfst (3083)	—	—
228	239	12	xb battmpcell1 (2926)	—	—
240	243	4	xb sp9xbepsfst (3084)	—	—
244	255	12	xb battmpcell2 (2927)	—	—
256	259	4	xb shntwrld1 (3071)	—	—
260	262	3	xb nu (3011)	—	—
263	263	1	xb shnt6pwmmd (3071)	—	—
264	264	1	xb shnt4pwmmd (3069)	—	—
265	265	1	xb shnt2pwmmd (3068)	—	—
266	266	1	xb shnt6dcstat (3070)	—	—
267	267	1	xb shnt5dcstat (3070)	—	—
268	268	1	xb shnt4dcstat (3069)	—	—

Packet **xb epsfst_tlm** Format, cont'd

start bit	stop bit	size bits	field		
269	269	1	xb shnt3dcstat (3068)	—	—
270	270	1	xb shnt2dcstat (3068)	—	—
271	271	1	xb shnt1dcstat (3067)	—	—
272	275	4	xb shntwrddid2 (3071)	—	—
276	278	3	xb nuepsfst (3011)	—	—
279	279	1	xb unusedepsfst (3118)	—	—
280	280	1	xb pwmcntrlmd (3017)	—	—
281	287	7	xb pwmdutyccyclcmd (3017)	—	—

Packet size = 288 bits (36 bytes) .

F.52 xb eps_misc_tlm

Packet Source Application Identifier

0x06e (110)

OASIS Stream Name

xb110

Description

XB EPS Miscellaneous Telemetry from APE

Format

Packet **xb eps_misc_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb epmiscpid (2959)	—	—
16	17	2	xb epmiscsflg (2960)	—	—
18	31	14	xb epmiscsct (2960)	—	—
32	47	16	xb epmiscpl (2960)	—	—
48	63	16	xb epmiscsws (2958)	—	—
64	79	16	xb epmiscslws (2959)	—	—
80	95	16	xb epmiscswss (2958)	—	—
96	111	16	xb epmiscslwss (2959)	—	—
112	115	4	xb spepmisc1 (3084)	—	—
116	127	12	xb rxaagc (3058)	—	—
128	131	4	xb spepmisc2 (3085)	—	—
132	143	12	xb rxaloopstress (3059)	—	—
144	147	4	xb spepmisc3 (3089)	—	—
148	159	12	xb txarfpwr (3112)	—	—
160	163	4	xb spepmisc4 (3090)	—	—
164	175	12	xb txavoltmon (3113)	—	—
176	179	4	xb spepmisc5 (3090)	—	—
180	191	12	xb apeamain15vmon (2912)	—	—
192	195	4	xb spepmisc15 (3084)	—	—
196	207	12	xb apeamainn15vmon (2913)	—	—
208	211	4	xb spepmisc16 (3085)	—	—
212	223	12	xb apeamain5vmon (2912)	—	—
224	227	4	xb spepmisc24 (3087)	—	—
228	239	12	xb ceua5vcritmon (2934)	—	—
240	243	4	xb spepmisc25 (3087)	—	—
244	255	12	xb ceua5vncritmon (2935)	—	—
256	259	4	xb spepmisc26 (3087)	—	—
260	271	12	xb ceua3vmon (2934)	—	—
272	275	4	xb spepmisc27 (3088)	—	—
276	287	12	xb ceuan15vmon (2936)	—	—
288	291	4	xb spepmisc20 (3085)	—	—
292	303	12	xb load_test (2995)	—	—
304	307	4	xb spepmisc21 (3086)	—	—
308	319	12	xb rx_20V_mon (3056)	—	—

Packet **xb_eps_misc_tlm** Format, cont'd

start bit	stop bit	size bits	field		
320	323	4	xb spepmisc22 (3086)	—	—
324	335	12	xb rx_cr_lock (3057)	—	—
336	339	4	xb spepmisc23 (3086)	—	—
340	351	12	xb rx_demod_lock (3057)	—	—
352	355	4	xb spepmisc28 (3088)	—	—
356	367	12	xb tx_12V_conv_mon (3109)	—	—
368	371	4	xb spepmisc29 (3088)	—	—
372	383	12	xb tx_hilo_rate_st (3111)	—	—
384	387	4	xb spepmisc30 (3089)	—	—
388	399	12	xb tx_on_off_st (3112)	—	—
400	403	4	xb spepmisc31 (3089)	—	—
404	415	12	xb tx_dir_mod_st (3110)	—	—

Packet size = 416 bits (52 bytes) .

F.53 xb eps_slw_tlm

Packet Source Application Identifier

0x068 (104)

OASIS Stream Name

xb104

Description

EPS Slow Tlm from APE (includes switch tlm now)

Format

Packet **xb eps_slw_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb epsslwpid (2965)	—	—
16	17	2	xb epsslwsflg (2966)	—	—
18	31	14	xb epsslwsct (2965)	—	—
32	47	16	xb epsslwpl (2965)	—	—
48	63	16	xb epsslwhws (2963)	—	—
64	79	16	xb epsslwlws (2964)	—	—
80	95	16	xb epsslwhwss (2964)	—	—
96	111	16	xb epsslwlwss (2964)	—	—
112	115	4	xb a2w1id (2877)	—	—
116	116	1	xb cdepwpr (2933)	—	—
117	117	1	xb mtbxpwra (3010)	—	—
118	118	1	xb txrtcdhgpr (3116)	—	—
119	119	1	xb txcdoff (3114)	—	—
120	120	1	xb rwazpwr (3055)	—	—
121	121	1	xb txpwpr (3115)	—	—
122	122	1	xb rwaxpwr (3054)	—	—
123	123	1	xb iru12pwr (2983)	—	—
124	124	1	xb phtrensurvatpre (3013)	—	—
125	125	1	xb tcvrrwazophptwen (3103)	—	—
126	126	1	xb ceuancrit (2937)	—	—
127	127	1	xb phtrenbatoper (3012)	—	—
128	131	4	xb a2w2id (2878)	—	—
132	132	1	xb a2w2s24sp (2880)	—	—
133	133	1	xb a2w2s23sp (2880)	—	—
134	134	1	xb a2w2s22sp (2880)	—	—
135	135	1	xb a2w2s21sp (2879)	—	—
136	136	1	xb a2w2s20sp (2879)	—	—
137	137	1	xb a2w2s19sp (2879)	—	—
138	138	1	xb pri2htrgcbat (3014)	—	—
139	139	1	xb a2w2s17sp (2878)	—	—
140	140	1	xb phtrgcst1 (3013)	—	—
141	141	1	xb a2w2b2sp (2878)	—	—
142	142	1	xb pri1htrgcbat (3014)	—	—
143	143	1	xb txcdonpr (3115)	—	—

Packet **xb eps_slw_tlm** Format, cont'd

start bit	stop bit	size bits	field		
144	147	4	xb a2w3id (2881)	—	—
148	148	1	xb sapnpxdppr_cant (3064)	—	—
149	149	1	xb sapnnxpydppr (3063)	—	—
150	150	1	xb sapnnx_nxnydppr (3062)	—	—
151	151	1	xb sapnpxpypxnydppr (3065)	—	—
152	152	1	xb sofiecvpwenpr (3079)	—	—
153	153	1	xb sadppwenpr (3061)	—	—
154	154	1	xb a2w3s30sp (2883)	—	—
155	155	1	xb a2w3s29sp (2882)	—	—
156	156	1	xb a2w3s28sp (2882)	—	—
157	157	1	xb a2w3s27sp (2882)	—	—
158	158	1	xb a2w3s26sp (2881)	—	—
159	159	1	xb a2w3s25sp (2881)	—	—
160	163	4	xb a2w4id (2887)	—	—
164	164	1	xb a2w4b11sp (2884)	—	—
165	165	1	xb a2w4b10sp (2883)	—	—
166	166	1	xb a2w4b9pare (2887)	—	—
167	167	1	xb a2w4b8sp (2886)	—	—
168	168	1	xb a2w4b7sp (2886)	—	—
169	169	1	xb a2w4b6sp (2886)	—	—
170	170	1	xb a2w4b5sp (2885)	—	—
171	171	1	xb a2w4b4sp (2885)	—	—
172	172	1	xb a2w4b3sp (2885)	—	—
173	173	1	xb a2w4b2sp (2884)	—	—
174	174	1	xb a2w4b1sp (2884)	—	—
175	175	1	xb a2w4b0sp (2883)	—	—
176	179	4	xb a3w1id (2887)	—	—
180	180	1	xb rhtrenstoper (3032)	—	—
181	181	1	xb mtbzipwra (3010)	—	—
182	182	1	xb txrtcdhgrd (3117)	—	—
183	183	1	xb txrtcdlw (3117)	—	—
184	184	1	xb stpwrd (3095)	—	—
185	185	1	xb txpwrd (3116)	—	—
186	186	1	xb sofieel_inpwrd (3081)	—	—
187	187	1	xb cipselpwrd (2938)	—	—
188	188	1	xb btsuhtenrd (2929)	—	—
189	189	1	xb rwa2pwr (3036)	—	—
190	190	1	xb iru1pwpr (2984)	—	—
191	191	1	xb rhtrenbatoper (3032)	—	—
192	195	4	xb a3w2id (2888)	—	—
196	196	1	xb a3w2s24sp (2890)	—	—
197	197	1	xb a3w2s23sp (2890)	—	—
198	198	1	xb a3w2s22sp (2890)	—	—
199	199	1	xb a3w2s21sp (2889)	—	—
200	200	1	xb a3w2s20sp (2889)	—	—
201	201	1	xb a3w2s19sp (2889)	—	—
202	202	1	xb a3w2b5sp (2888)	—	—

Packet **xb eps_slw_tlm** Format, cont'd

start bit	stop bit	size bits	field		
203	203	1	xb r2htrgcbat (3018)	—	—
204	204	1	xb rhtrgcst1 (3033)	—	—
205	205	1	xb r1htrgcbat (3018)	—	—
206	206	1	xb a3w2b1sp (2888)	—	—
207	207	1	xb txcdonrd (3115)	—	—
208	211	4	xb a3w3id (2891)	—	—
212	212	1	xb sapnpxdprd_cant (3064)	—	—
213	213	1	xb sapnnxpydprd (3063)	—	—
214	214	1	xb sapnnx_nxnydprd (3062)	—	—
215	215	1	xb sapnpxpypxydprd (3065)	—	—
216	216	1	xb inhtpwr (2983)	—	—
217	217	1	xb sadppwenrd (3061)	—	—
218	218	1	xb a3w3s30sp (2893)	—	—
219	219	1	xb a3w3s29sp (2892)	—	—
220	220	1	xb a3w3s28sp (2892)	—	—
221	221	1	xb a3w3s27sp (2892)	—	—
222	222	1	xb a3w3s26sp (2891)	—	—
223	223	1	xb a3w3s25sp (2891)	—	—
224	227	4	xb a3w4id (2894)	—	—
228	228	1	xb a3w4b11sp (2893)	—	—
229	229	1	xb a3w4b10sp (2893)	—	—
230	230	1	xb a3w4b9sp (2894)	—	—
231	231	1	xb a3w4sb8sp (2897)	—	—
232	232	1	xb a3w4sb7sp (2897)	—	—
233	233	1	xb a3w4sb6sp (2896)	—	—
234	234	1	xb a3w4sb5sp (2896)	—	—
235	235	1	xb a3w4sb4sp (2896)	—	—
236	236	1	xb a3w4sb3sp (2895)	—	—
237	237	1	xb a3w4sb2sp (2895)	—	—
238	238	1	xb a3w4sb1sp (2895)	—	—
239	239	1	xb a3w4sb0sp (2894)	—	—
240	243	4	xb a4w1id (2898)	—	—
244	244	1	xb cdepwr (2933)	—	—
245	245	1	xb mtbypwra (3010)	—	—
246	246	1	xb a4w1b9sp (2897)	—	—
247	247	1	xb phtrenstoper (3013)	—	—
248	248	1	xb ceuncpwrd (2937)	—	—
249	249	1	xb iru2pwpr (2984)	—	—
250	250	1	xb sofieel_inpwpr (3080)	—	—
251	251	1	xb cipselpwpr (2938)	—	—
252	252	1	xb_st1 pwr (3462)	—	—
253	253	1	xb rwa3pwr (3038)	—	—
254	254	1	xb rwa1pwr (3034)	—	—
255	255	1	xb btprepnsuhtenpr (2929)	—	—
256	259	4	xb a4w2id (2899)	—	—
260	260	1	xb a4w2s24sp (2901)	—	—
261	261	1	xb a4w2s23sp (2901)	—	—

Packet **xb eps_slw_tlm** Format, cont'd

start bit	stop bit	size bits	field		
262	262	1	xb a4w2s22sp (2901)	—	—
263	263	1	xb a4w2s21sp (2900)	—	—
264	264	1	xb a4w2s20sp (2900)	—	—
265	265	1	xb a4w2s19sp (2900)	—	—
266	266	1	xb tcvropht_b (3102)	—	—
267	267	1	xb a4w2b4sp (2899)	—	—
268	268	1	xb rwazopht (3055)	—	—
269	269	1	xb a4w2b2sp (2898)	—	—
270	270	1	xb tcvropht_a (3102)	—	—
271	271	1	xb a4w2b0sp (2898)	—	—
272	275	4	xb a4w3id (2902)	—	—
276	276	1	xb a4w3b12sp (2902)	—	—
277	277	1	xb a4w3b11sp (2902)	—	—
278	278	1	xb tcvrstrwazsuhtpw (3103)	—	—
279	279	1	xb inhtpwpr (2982)	—	—
280	280	1	xb sofiecvpwenrd (3080)	—	—
281	281	1	xb rwaypwrd (3055)	—	—
282	282	1	xb a4w3s30sp (2904)	—	—
283	283	1	xb a4w3s29sp (2904)	—	—
284	284	1	xb a4w3s28sp (2904)	—	—
285	285	1	xb a4w3s27sp (2903)	—	—
286	286	1	xb a4w3s26sp (2903)	—	—
287	287	1	xb a4w3s25sp (2903)	—	—
288	291	4	xb a4w4id (2909)	—	—
292	292	1	xb a4w4b11sp (2905)	—	—
293	293	1	xb a4w4b10sp (2905)	—	—
294	294	1	xb a4w4b9sp (2908)	—	—
295	295	1	xb a4w4b8sp (2908)	—	—
296	296	1	xb a4w4b7sp (2908)	—	—
297	297	1	xb a4w4b6sp (2907)	—	—
298	298	1	xb a4w4b5sp (2907)	—	—
299	299	1	xb a4w4b4sp (2907)	—	—
300	300	1	xb a4w4b3sp (2906)	—	—
301	301	1	xb a4w4b2sp (2906)	—	—
302	302	1	xb a4w4b1sp (2906)	—	—
303	303	1	xb a4w4b0sp (2905)	—	—
304	307	4	xb spepslo1 (3090)	—	—
308	319	12	xb slrarshntcur (3076)	—	—
320	323	4	xb spepslo2 (3092)	—	—
324	335	12	xb slraroptcur (3075)	—	—
336	339	4	xb spepslo3 (3093)	—	—
340	351	12	xb batcpv1voltage (2917)	—	—
352	355	4	xb spepslo4 (3093)	—	—
356	367	12	xb batcpv2voltage (2918)	—	—
368	371	4	xb spepslo5 (3093)	—	—
372	383	12	xb batcpv3voltage (2918)	—	—
384	387	4	xb spepslo6 (3094)	—	—

Packet **xb_eps_slw_tlm** Format, cont'd

start bit	stop bit	size bits	field		
388	399	12	xb batcpv4voltage (2919)	—	—
400	403	4	xb spepslo7 (3094)	—	—
404	415	12	xb batcpv5voltage (2920)	—	—
416	419	4	xb spepslo8 (3094)	—	—
420	431	12	xb batcpv6voltage (2920)	—	—
432	435	4	xb spepslo9 (3095)	—	—
436	447	12	xb batcpv7voltage (2921)	—	—
448	451	4	xb spepslo10 (3091)	—	—
452	463	12	xb batcpv8voltage (2922)	—	—
464	467	4	xb spepslo11 (3091)	—	—
468	479	12	xb batcpv9voltage (2922)	—	—
480	483	4	xb spepslo12 (3091)	—	—
484	495	12	xb batcpv10voltage (2916)	—	—
496	499	4	xb spepslo13 (3092)	—	—
500	511	12	xb sappparmeta (3065)	—	—
512	515	4	xb spepslo14 (3092)	—	—
516	527	12	xb sappparmeta (3066)	—	—
528	528	1	xb Spare9 (2877)	—	—
529	529	1	xb Spare10 (2874)	—	—
530	530	1	xb Spare1 (2874)	—	—
531	531	1	xb Spare2 (2875)	—	—
532	532	1	xb Spare3 (2875)	—	—
533	533	1	xb Spare4 (2876)	—	—
534	534	1	xb Spare5 (2876)	—	—
535	535	1	xb lvsep3 (2995)	—	—
536	536	1	xb Spare6 (2876)	—	—
537	537	1	xb Spare7 (2877)	—	—
538	538	1	xb Spare8 (2877)	—	—
539	539	1	xb Spare11 (2875)	—	—
540	540	1	xb safulldepstat (3062)	—	—
541	541	1	xb Spare12 (2875)	—	—
542	542	1	xb batrelay1pos (2925)	—	—
543	543	1	xb batrelay2pos (2926)	—	—

Packet size = 544 bits (68 bytes) .

F.54 xb lot0pkt

Packet Source Application Identifier

0x143 (323)

OASIS Stream Name

xb323

Description

XB slot 0 Tlm (APE Controller status and SA29 Error Acc contents)

Format

Packet **xb lot0pkt** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb slot0pid (3072)	—	—
16	17	2	xb slot0pktsflg (3074)	—	—
18	31	14	xb slot0pktsct (3073)	—	—
32	47	16	xb slot0pl (3074)	—	—
48	63	16	xb slot0pkthiwdsecs (3072)	—	—
64	79	16	xb slot0pktlowdsecs (3073)	—	—
80	95	16	xb slot0pkthwss (3072)	—	—
96	111	16	xb slot0pktlwss (3073)	—	—
112	127	16	xb apectrlerswrd15 (2916)	—	—
128	143	16	xb apectrlerswrd14 (2915)	—	—
144	159	16	xb apectrlerswrd13 (2915)	—	—
160	175	16	xb apectrlerswrd12 (2915)	—	—
176	191	16	xb apectrlerswrd11 (2914)	—	—
192	207	16	xb apectrlerswrd10 (2914)	—	—
208	220	13	xb sa27mdbaseadr (3060)	—	—
221	223	3	xb sa27mempntr (3060)	—	—
224	224	1	xb ilbridgetlm (2981)	—	—
225	225	1	xb ilbridgecmd (2981)	—	—
226	226	1	xb ildiscfgwte (2981)	—	—
227	227	1	xb ildisrmtcmd (2982)	—	—
228	228	1	xb obootimage (3011)	—	—
229	229	1	xb hupdiscn (2980)	—	—
230	230	1	xb ldcpstrap (2995)	—	—
231	232	2	xb rsttype (3033)	—	—
233	239	7	xb f1period (2967)	—	—
240	240	1	xb hmf1lck (2978)	—	—
241	241	1	xb hmf2lck (2978)	—	—
242	242	1	xb hslwmd (2979)	—	—
243	255	13	xb f2period (2969)	—	—
256	271	16	xb curbwallocmask (2953)	—	—
272	272	1	xb cursp10pinst (2953)	—	—
273	273	1	xb cursp11pinst (2954)	—	—
274	274	1	xb fill1 (2970)	—	—
275	275	1	xb fill2 (2970)	—	—

Packet **xb lot0pkt** Format, cont'd

start bit	stop bit	size bits	field		
276	276	1	xb hpulsecmdact (2979)	—	—
277	277	1	xb pulsecmdclksel1 (3015)	—	—
278	278	1	xb pulsecmdclksel0 (3015)	—	—
279	287	9	xb pulsecmdtm (3017)	—	—
288	288	1	xb apeeepromwrt (2916)	—	—
289	289	1	xb hcurcmdsourcea (2975)	—	—
290	290	1	xb hashortcycl (2975)	—	—
291	303	13	xb tlmreqoipct (3105)	—	—
304	304	1	xb cursp8pinst (2954)	—	—
305	305	1	xb cursp7pinst (2954)	—	—
306	306	1	xb hbshortcycl (2975)	—	—
307	319	13	xb tlmreq1553ct (3105)	—	—
320	327	8	xb cntofcmdsfrmoip (2945)	—	—
328	335	8	xb cntofcmdsfrm1553 (2944)	—	—
336	336	1	xb hm2klck (2978)	—	—
337	337	1	xb htmbusb (2980)	—	—
338	338	1	xb hf2outlckumask (2977)	—	—
339	339	1	xb hf1outlckumask (2977)	—	—
340	351	12	xb freqdiff2khz (2972)	—	—
352	358	7	xb phaseerr2khz (3012)	—	—
359	359	1	xb hdropout (2976)	—	—
360	360	1	xb hcurtmrsourcea (2976)	—	—
361	367	7	xb f1phaseacc (2968)	—	—
368	368	1	xb dacrddefinedw1bf (2955)	—	—
369	369	1	xb flushnotemptw1bf (2971)	—	—
370	370	1	xb tlmfechoffw1bf (3104)	—	—
371	371	1	xb dacdrdstw1bf (2956)	—	—
372	372	1	xb tmdfforunw1bf (3106)	—	—
373	373	1	xb cmdfwrmtdisdw1bf (2940)	—	—
374	374	1	xb cmdsequer1553w1bf (2942)	—	—
375	375	1	xb bus2khzpherrw1bf (2930)	—	—
376	376	1	xb tmdffunrunw1bf (3107)	—	—
377	377	1	xb cmdfforunw1bf (2939)	—	—
378	378	1	xb tmrfforunw1bf (3108)	—	—
379	379	1	xb pulsecmdorunw1bf (3016)	—	—
380	380	1	xb cmdseqerdcrdw1bf (2943)	—	—
381	381	1	xb updiscninw1bf (3118)	—	—
382	382	1	xb f2outoflckw1bf (2968)	—	—
383	383	1	xb f1outoflckw1bf (2966)	—	—
384	384	1	xb dacrddefinedw2bf (2956)	—	—
385	385	1	xb flushnotemptw2bf (2971)	—	—
386	386	1	xb tlmfechoffw2bf (3104)	—	—
387	387	1	xb dacdrdstw2bf (2957)	—	—
388	388	1	xb tmdfforunw2bf (3106)	—	—
389	389	1	xb cmdfwrmtdisdw2bf (2941)	—	—
390	390	1	xb cmdsequer1553w2bf (2943)	—	—
391	391	1	xb bus2khzpherrw2bf (2931)	—	—

Packet **xb lot0pkt** Format, cont'd

start bit	stop bit	size bits	field		
392	392	1	xb tmdffunrunw2bf (3108)	—	—
393	393	1	xb cmdfforunw2bf (2940)	—	—
394	394	1	xb tmrfforunw2bf (3109)	—	—
395	395	1	xb pulsecmdorunw2bf (3016)	—	—
396	396	1	xb cmdsegerdcrdw2bf (2944)	—	—
397	397	1	xb updiscninvw2bf (3119)	—	—
398	398	1	xb f2outoflckw2bf (2969)	—	—
399	399	1	xb f1outoflckw2bf (2967)	—	—
400	400	1	xb dacrddefinedw1af (2954)	—	—
401	401	1	xb flushnotemptw1af (2970)	—	—
402	402	1	xb tlmfechoffw1af (3103)	—	—
403	403	1	xb dacdrdstw1af (2956)	—	—
404	404	1	xb tmdfforunw1af (3105)	—	—
405	405	1	xb cmdfwrmtdisdw1af (2940)	—	—
406	406	1	xb cmdseger1553w1af (2942)	—	—
407	407	1	xb bus2khzpherrw1af (2929)	—	—
408	408	1	xb tmdffunrunw1af (3107)	—	—
409	409	1	xb cmdfforunw1af (2939)	—	—
410	410	1	xb tmrfforunw1af (3108)	—	—
411	411	1	xb pulsecmdorunw1af (3015)	—	—
412	412	1	xb cmdsegerdcrdw1af (2943)	—	—
413	413	1	xb updiscninvw1af (3118)	—	—
414	414	1	xb f2outoflckw1af (2968)	—	—
415	415	1	xb f1outoflckw1af (2966)	—	—
416	416	1	xb dacrddefinedw2af (2955)	—	—
417	417	1	xb flushnotemptw2af (2971)	—	—
418	418	1	xb tlmfechoffw2af (3104)	—	—
419	419	1	xb dacdrdstw2af (2957)	—	—
420	420	1	xb tmdfforunw2af (3106)	—	—
421	421	1	xb cmdfwrmtdisdw2af (2941)	—	—
422	422	1	xb cmdseger1553w2af (2942)	—	—
423	423	1	xb bus2khzpherrw2af (2930)	—	—
424	424	1	xb tmdffunrunw2af (3107)	—	—
425	425	1	xb cmdfforunw2af (2939)	—	—
426	426	1	xb tmrfforunw2af (3109)	—	—
427	427	1	xb pulsecmdorunw2af (3016)	—	—
428	428	1	xb cmdsegerdcrdw2af (2944)	—	—
429	429	1	xb updiscninvw2af (3119)	—	—
430	430	1	xb f2outoflckw2af (2969)	—	—
431	431	1	xb f1outoflckw2af (2967)	—	—

Packet size = 432 bits (54 bytes) .

F.55 xb_raw_read_tlm

Packet Source Application Identifier

0x140 (320)

OASIS Stream Name

xb320

Description

XB Raw Read Telemetry (XB.SB.RAW.READ.SID)

Format

Packet **xb_raw_read_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_rawreadpid (3020)	—	—
16	17	2	xb_rawreadsflg (3021)	—	—
18	31	14	xb_rawreadsct (3021)	—	—
32	47	16	xb_rawreadpl (3020)	—	—
48	63	16	xb_rawreadhws (3019)	—	—
64	79	16	xb_rawreadlws (3019)	—	—
80	95	16	xb_rawreadhwss (3019)	—	—
96	111	16	xb_rawreadlwss (3020)	—	—
112	127	16	xb_cmdmc1553 (2941)	—	—
128	143	16	xb_rawwds0 (3021)	—	—
144	159	16	xb_rawwds1 (3022)	—	—
160	175	16	xb_rawwds2 (3025)	—	—
176	191	16	xb_rawwds3 (3029)	—	—
192	207	16	xb_rawwds4 (3030)	—	—
208	223	16	xb_rawwds5 (3030)	—	—
224	239	16	xb_rawwds6 (3031)	—	—
240	255	16	xb_rawwds7 (3031)	—	—
256	271	16	xb_rawwds8 (3031)	—	—
272	287	16	xb_rawwds9 (3032)	—	—
288	303	16	xb_rawwds10 (3022)	—	—
304	319	16	xb_rawwds11 (3022)	—	—
320	335	16	xb_rawwds12 (3023)	—	—
336	351	16	xb_rawwds13 (3023)	—	—
352	367	16	xb_rawwds14 (3023)	—	—
368	383	16	xb_rawwds15 (3024)	—	—
384	399	16	xb_rawwds16 (3024)	—	—
400	415	16	xb_rawwds17 (3024)	—	—
416	431	16	xb_rawwds18 (3025)	—	—
432	447	16	xb_rawwds19 (3025)	—	—
448	463	16	xb_rawwds20 (3026)	—	—
464	479	16	xb_rawwds21 (3026)	—	—
480	495	16	xb_rawwds22 (3026)	—	—
496	511	16	xb_rawwds23 (3027)	—	—
512	527	16	xb_rawwds24 (3027)	—	—

Packet **xb raw_read_tlm** Format, cont'd

start bit	stop bit	size bits	field		
528	543	16	xb rawwds25 (3027)	—	—
544	559	16	xb rawwds26 (3028)	—	—
560	575	16	xb rawwds27 (3028)	—	—
576	591	16	xb rawwds28 (3028)	—	—
592	607	16	xb rawwds29 (3029)	—	—
608	623	16	xb rawwds30 (3029)	—	—
624	639	16	xb rawwds31 (3030)	—	—

Packet size = 640 bits (80 bytes) .

F.56 xb_st1 aq_tlm

Packet Source Application Identifier

0x60b (1547)

OASIS Stream Name

xb.st11547

Description

Star Tracker 1 Acquisition Telemetry

Format

Packet **xb.st1 aq_tlm** Format

start bit	stop bit	size bits	field	control	method
0	367	368	xb.strtfill20090 (3096)	—	—
368	368	1	xb.st1 aqsainfonu2sa13 (3204)	—	—
369	369	1	xb.st1 afrmcntvlds13 (3122)	—	—
370	376	7	xb.st1 aqsainfonu1sa13 (3202)	—	—
377	383	7	xb.st1 afrmcntnumsa13 (3119)	—	—
384	399	16	xb.st1 idtm (3456)	—	—
400	406	7	xb.st1 asptcnu (3293)	—	—
407	407	1	xb.st1 aqstrpropcalc (3260)	—	—
408	408	1	xb.st1 aqupcmdvelvec (3273)	—	—
409	409	1	xb.st1 aqsevelvec (3207)	—	—
410	410	1	xb.st1 aqesvelvec (3132)	—	—
411	411	1	xb.st1 aqjulprop (3156)	—	—
412	412	1	xb.st1 aqabercrct (3125)	—	—
413	413	1	xb.st1 aqpreccrct (3171)	—	—
414	414	1	xb.st1 aqstrposprop (3259)	—	—
415	415	1	xb.st1 asptcbmdact (3292)	—	—
416	417	2	xb.st1 asyntanu (3293)	—	—
418	418	1	xb.st1 aqvelqualfault (3274)	—	—
419	419	1	xb.st1 aqnostr (3169)	—	—
420	420	1	xb.st1 aqfalsestr (3155)	—	—
421	421	1	xb.st1 aqconstlrg (3131)	—	—
422	422	1	xb.st1 aqupletlrg (3273)	—	—
423	423	1	xb.st1 aqsmldestr (3207)	—	—
424	424	1	xb.st1 aqattqualfault (3131)	—	—
425	425	1	xb.st1 aqaritherrangvel (3130)	—	—
426	426	1	xb.st1 aqstrindexfault (3259)	—	—
427	427	1	xb.st1 aqattnumfault (3130)	—	—
428	428	1	xb.st1 aqmoonpresence (3168)	—	—
429	429	1	xb.st1 aqsatpixlfov (3206)	—	—
430	430	1	xb.st1 aqunrealangvel (3273)	—	—
431	431	1	xb.st1 aqendaaq (3132)	—	—
432	447	16	xb.st1 aqnpass (3170)	—	—
448	463	16	xb.st1 aqnint (3169)	—	—
464	479	16	xb.st1 aqstatmrct (3253)	—	—

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
480	495	16	xb_st1 aqreftmdel (3184)	–	–
496	511	16	xb_st1 aqiqxym (3156)	–	–
512	527	16	xb_st1 aqiqzm (3156)	–	–
528	591	64	xb_st1 aqqrve1 (3177)	–	–
592	655	64	xb_st1 aqqrve2 (3177)	–	–
656	719	64	xb_st1 aqqrve3 (3177)	–	–
720	783	64	xb_st1 aqqrve4 (3178)	–	–
784	815	32	xb_st1 aqwxve (3274)	–	–
816	847	32	xb_st1 aqwyve (3275)	–	–
848	879	32	xb_st1 aqwzve (3275)	–	–
880	880	1	xb_st1 aqsainfonu2sa14 (3204)	–	–
881	881	1	xb_st1 afrmcntvlds14 (3122)	–	–
882	888	7	xb_st1 aqsainfonu1sa14 (3202)	–	–
889	895	7	xb_st1 afrmcntnumsa14 (3120)	–	–
896	911	16	xb_st1 aqiqwxym (3155)	–	–
912	927	16	xb_st1 aqnbid (3168)	–	–
928	943	16	xb_st1 aqnret (3170)	–	–
944	959	16	xb_st1 aqnetidmes (3169)	–	–
960	972	13	xb_st1 aqstcat1 (3253)	–	–
973	973	1	xb_st1 aqsposstr1 (3247)	–	–
974	974	1	xb_st1 aqrefstr1 (3178)	–	–
975	975	1	xb_st1 aqpstr1 (3171)	–	–
976	991	16	xb_st1 aqmagnes1 (3157)	–	–
992	1023	32	xb_st1 aqxivemes1 (3275)	–	–
1024	1055	32	xb_st1 aqyvemes1 (3281)	–	–
1056	1087	32	xb_st1 aqzvemes1 (3287)	–	–
1088	1100	13	xb_st1 aqstcat2 (3256)	–	–
1101	1101	1	xb_st1 aqsposstr2 (3250)	–	–
1102	1102	1	xb_st1 aqrefstr2 (3181)	–	–
1103	1103	1	xb_st1 aqpstr2 (3174)	–	–
1104	1119	16	xb_st1 aqmagnes2 (3163)	–	–
1120	1151	32	xb_st1 aqxivemes2 (3278)	–	–
1152	1183	32	xb_st1 aqyvemes2 (3284)	–	–
1184	1215	32	xb_st1 aqzvemes2 (3290)	–	–
1216	1228	13	xb_st1 aqstcat3 (3257)	–	–
1229	1229	1	xb_st1 aqsposstr3 (3251)	–	–
1230	1230	1	xb_st1 aqrefstr3 (3181)	–	–
1231	1231	1	xb_st1 aqpstr3 (3174)	–	–
1232	1247	16	xb_st1 aqmagnes3 (3163)	–	–
1248	1279	32	xb_st1 aqxivemes3 (3279)	–	–
1280	1311	32	xb_st1 aqyvemes3 (3284)	–	–
1312	1343	32	xb_st1 aqzvemes3 (3290)	–	–
1344	1356	13	xb_st1 aqstcat4 (3257)	–	–
1357	1357	1	xb_st1 aqsposstr4 (3251)	–	–
1358	1358	1	xb_st1 aqrefstr4 (3182)	–	–
1359	1359	1	xb_st1 aqpstr4 (3175)	–	–
1360	1375	16	xb_st1 aqmagnes4 (3164)	–	–

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
1376	1391	16	xb_st1 aqres1 (3184)	—	—
1392	1392	1	xb_st1 aqsainfonu2sa15 (3205)	—	—
1393	1393	1	xb_st1 afrmcntvlds15 (3122)	—	—
1394	1400	7	xb_st1 aqsainfonu1sa15 (3202)	—	—
1401	1407	7	xb_st1 afrmcntnumsa15 (3120)	—	—
1408	1439	32	xb_st1 aqxmves4 (3279)	—	—
1440	1471	32	xb_st1 aqymves4 (3285)	—	—
1472	1503	32	xb_st1 aqzmves4 (3290)	—	—
1504	1516	13	xb_st1 aqstcat5 (3257)	—	—
1517	1517	1	xb_st1 aqspstr5 (3251)	—	—
1518	1518	1	xb_st1 aqrefstr5 (3182)	—	—
1519	1519	1	xb_st1 aqpstr5 (3175)	—	—
1520	1535	16	xb_st1 aqmages5 (3165)	—	—
1536	1567	32	xb_st1 aqxmves5 (3279)	—	—
1568	1599	32	xb_st1 aqymves5 (3285)	—	—
1600	1631	32	xb_st1 aqzmves5 (3291)	—	—
1632	1644	13	xb_st1 aqstcat6 (3258)	—	—
1645	1645	1	xb_st1 aqspstr6 (3252)	—	—
1646	1646	1	xb_st1 aqrefstr6 (3182)	—	—
1647	1647	1	xb_st1 aqpstr6 (3175)	—	—
1648	1663	16	xb_st1 aqmages6 (3165)	—	—
1664	1695	32	xb_st1 aqxmves6 (3280)	—	—
1696	1727	32	xb_st1 aqymves6 (3285)	—	—
1728	1759	32	xb_st1 aqzmves6 (3291)	—	—
1760	1772	13	xb_st1 aqstcat7 (3258)	—	—
1773	1773	1	xb_st1 aqspstr7 (3252)	—	—
1774	1774	1	xb_st1 aqrefstr7 (3183)	—	—
1775	1775	1	xb_st1 aqpstr7 (3176)	—	—
1776	1791	16	xb_st1 aqmages7 (3166)	—	—
1792	1823	32	xb_st1 aqxmves7 (3280)	—	—
1824	1855	32	xb_st1 aqymves7 (3286)	—	—
1856	1887	32	xb_st1 aqzmves7 (3291)	—	—
1888	1900	13	xb_st1 aqstcat8 (3258)	—	—
1901	1901	1	xb_st1 aqspstr8 (3252)	—	—
1902	1902	1	xb_st1 aqrefstr8 (3183)	—	—
1903	1903	1	xb_st1 aqpstr8 (3176)	—	—
1904	1904	1	xb_st1 aqsainfonu2sa16 (3205)	—	—
1905	1905	1	xb_st1 afrmcntvlds16 (3123)	—	—
1906	1912	7	xb_st1 aqsainfonu1sa16 (3203)	—	—
1913	1919	7	xb_st1 afrmcntnumsa16 (3120)	—	—
1920	1935	16	xb_st1 aqmages8 (3167)	—	—
1936	1967	32	xb_st1 aqxmves8 (3280)	—	—
1968	1999	32	xb_st1 aqymves8 (3286)	—	—
2000	2031	32	xb_st1 aqzmves8 (3292)	—	—
2032	2044	13	xb_st1 aqstcat9 (3259)	—	—
2045	2045	1	xb_st1 aqspstr9 (3253)	—	—
2046	2046	1	xb_st1 aqrefstr9 (3183)	—	—

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
2047	2047	1	xb_st1 aqpstr9 (3176)	—	—
2048	2063	16	xb_st1 aqmagnes9 (3167)	—	—
2064	2095	32	xb_st1 aqxivemes9 (3281)	—	—
2096	2127	32	xb_st1 aqyvemes9 (3286)	—	—
2128	2159	32	xb_st1 aqzvemes9 (3292)	—	—
2160	2172	13	xb_st1 aqstcat10 (3254)	—	—
2173	2173	1	xb_st1 aqsposstr10 (3248)	—	—
2174	2174	1	xb_st1 aqrefstr10 (3178)	—	—
2175	2175	1	xb_st1 aqpstr10 (3171)	—	—
2176	2191	16	xb_st1 aqmagnes10 (3157)	—	—
2192	2223	32	xb_st1 aqxivemes10 (3276)	—	—
2224	2255	32	xb_st1 aqyvemes10 (3281)	—	—
2256	2287	32	xb_st1 aqzvemes10 (3287)	—	—
2288	2300	13	xb_st1 aqstcat11 (3254)	—	—
2301	2301	1	xb_st1 aqsposstr11 (3248)	—	—
2302	2302	1	xb_st1 aqrefstr11 (3179)	—	—
2303	2303	1	xb_st1 aqpstr11 (3172)	—	—
2304	2319	16	xb_st1 aqmagnes11 (3158)	—	—
2320	2351	32	xb_st1 aqxivemes11 (3276)	—	—
2352	2383	32	xb_st1 aqyvemes11 (3282)	—	—
2384	2415	32	xb_st1 aqzvemes11 (3287)	—	—
2416	2416	1	xb_st1 aqsainfonu2sa17 (3205)	—	—
2417	2417	1	xb_st1 afrmcntvlds17 (3123)	—	—
2418	2424	7	xb_st1 aqsainfonu1sa17 (3203)	—	—
2425	2431	7	xb_st1 afrmcntnumsa17 (3121)	—	—
2432	2444	13	xb_st1 aqstcat12 (3254)	—	—
2445	2445	1	xb_st1 aqsposstr12 (3248)	—	—
2446	2446	1	xb_st1 aqrefstr12 (3179)	—	—
2447	2447	1	xb_st1 aqpstr12 (3172)	—	—
2448	2463	16	xb_st1 aqmagnes12 (3159)	—	—
2464	2495	32	xb_st1 aqxivemes12 (3276)	—	—
2496	2527	32	xb_st1 aqyvemes12 (3282)	—	—
2528	2559	32	xb_st1 aqzvemes12 (3288)	—	—
2560	2572	13	xb_st1 aqstcat13 (3255)	—	—
2573	2573	1	xb_st1 aqsposstr13 (3249)	—	—
2574	2574	1	xb_st1 aqrefstr13 (3179)	—	—
2575	2575	1	xb_st1 aqpstr13 (3172)	—	—
2576	2591	16	xb_st1 aqmagnes13 (3159)	—	—
2592	2623	32	xb_st1 aqxivemes13 (3277)	—	—
2624	2655	32	xb_st1 aqyvemes13 (3282)	—	—
2656	2687	32	xb_st1 aqzvemes13 (3288)	—	—
2688	2700	13	xb_st1 aqstcat14 (3255)	—	—
2701	2701	1	xb_st1 aqsposstr14 (3249)	—	—
2702	2702	1	xb_st1 aqrefstr14 (3180)	—	—
2703	2703	1	xb_st1 aqpstr14 (3173)	—	—
2704	2719	16	xb_st1 aqmagnes14 (3160)	—	—
2720	2751	32	xb_st1 aqxivemes14 (3277)	—	—

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
2752	2783	32	xb_st1 aqyvemes14 (3283)	—	—
2784	2815	32	xb_st1 aqzvemes14 (3288)	—	—
2816	2828	13	xb_st1 aqstcat15 (3255)	—	—
2829	2829	1	xb_st1 aqsposstr15 (3249)	—	—
2830	2830	1	xb_st1 aqrefstr15 (3180)	—	—
2831	2831	1	xb_st1 aqpstr15 (3173)	—	—
2832	2847	16	xb_st1 aqmagmes15 (3161)	—	—
2848	2879	32	xb_st1 aq xvemes15 (3277)	—	—
2880	2911	32	xb_st1 aqyvemes15 (3283)	—	—
2912	2927	16	xb_st1 aqres2 (3185)	—	—
2928	2928	1	xb_st1 aqsainfonu2sa18 (3206)	—	—
2929	2929	1	xb_st1 afrmcntvlds18 (3124)	—	—
2930	2936	7	xb_st1 aqsainfonu1sa18 (3203)	—	—
2937	2943	7	xb_st1 afrmcntnumsa18 (3121)	—	—
2944	2975	32	xb_st1 aqzvemes15 (3289)	—	—
2976	2988	13	xb_st1 aqstcat16 (3256)	—	—
2989	2989	1	xb_st1 aqsposstr16 (3250)	—	—
2990	2990	1	xb_st1 aqrefstr16 (3180)	—	—
2991	2991	1	xb_st1 aqpstr16 (3173)	—	—
2992	3007	16	xb_st1 aqmagmes16 (3161)	—	—
3008	3039	32	xb_st1 aq xvemes16 (3278)	—	—
3040	3071	32	xb_st1 aqyvemes16 (3283)	—	—
3072	3103	32	xb_st1 aqzvemes16 (3289)	—	—
3104	3116	13	xb_st1 aqstcat17 (3256)	—	—
3117	3117	1	xb_st1 aqsposstr17 (3250)	—	—
3118	3118	1	xb_st1 aqrefstr17 (3181)	—	—
3119	3119	1	xb_st1 aqpstr17 (3174)	—	—
3120	3135	16	xb_st1 aqmagmes17 (3162)	—	—
3136	3167	32	xb_st1 aq xvemes17 (3278)	—	—
3168	3199	32	xb_st1 aqyvemes17 (3284)	—	—
3200	3231	32	xb_st1 aqzvemes17 (3289)	—	—
3232	3244	13	xb_st1 aqexp1stcat (3144)	—	—
3245	3245	1	xb_st1 aqexp1sposstr (3144)	—	—
3246	3246	1	xb_st1 aqexp1refstr (3143)	—	—
3247	3247	1	xb_st1 aqexp1pstr (3143)	—	—
3248	3260	13	xb_st1 aqexp2stcat (3145)	—	—
3261	3261	1	xb_st1 aqexp2sposstr (3145)	—	—
3262	3262	1	xb_st1 aqexp2refstr (3145)	—	—
3263	3263	1	xb_st1 aqexp2pstr (3144)	—	—
3264	3276	13	xb_st1 aqexp3stcat (3147)	—	—
3277	3277	1	xb_st1 aqexp3sposstr (3146)	—	—
3278	3278	1	xb_st1 aqexp3refstr (3146)	—	—
3279	3279	1	xb_st1 aqexp3pstr (3146)	—	—
3280	3292	13	xb_st1 aqexp4stcat (3148)	—	—
3293	3293	1	xb_st1 aqexp4sposstr (3148)	—	—
3294	3294	1	xb_st1 aqexp4refstr (3147)	—	—
3295	3295	1	xb_st1 aqexp4pstr (3147)	—	—

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
3296	3308	13	xb_st1 aqexp5stcat (3149)	–	–
3309	3309	1	xb_st1 aqexp5sposstr (3149)	–	–
3310	3310	1	xb_st1 aqexp5refstr (3149)	–	–
3311	3311	1	xb_st1 aqexp5pstr (3148)	–	–
3312	3324	13	xb_st1 aqexp6stcat (3151)	–	–
3325	3325	1	xb_st1 aqexp6sposstr (3150)	–	–
3326	3326	1	xb_st1 aqexp6refstr (3150)	–	–
3327	3327	1	xb_st1 aqexp6pstr (3150)	–	–
3328	3340	13	xb_st1 aqexp7stcat (3152)	–	–
3341	3341	1	xb_st1 aqexp7sposstr (3152)	–	–
3342	3342	1	xb_st1 aqexp7refstr (3151)	–	–
3343	3343	1	xb_st1 aqexp7pstr (3151)	–	–
3344	3356	13	xb_st1 aqexp8stcat (3153)	–	–
3357	3357	1	xb_st1 aqexp8sposstr (3153)	–	–
3358	3358	1	xb_st1 aqexp8refstr (3153)	–	–
3359	3359	1	xb_st1 aqexp8pstr (3152)	–	–
3360	3372	13	xb_st1 aqexp9stcat (3155)	–	–
3373	3373	1	xb_st1 aqexp9sposstr (3154)	–	–
3374	3374	1	xb_st1 aqexp9refstr (3154)	–	–
3375	3375	1	xb_st1 aqexp9pstr (3154)	–	–
3376	3388	13	xb_st1 aqexp10stcat (3133)	–	–
3389	3389	1	xb_st1 aqexp10sposstr (3133)	–	–
3390	3390	1	xb_st1 aqexp10refstr (3133)	–	–
3391	3391	1	xb_st1 aqexp10pstr (3132)	–	–
3392	3404	13	xb_st1 aqexp11stcat (3135)	–	–
3405	3405	1	xb_st1 aqexp11sposstr (3134)	–	–
3406	3406	1	xb_st1 aqexp11refstr (3134)	–	–
3407	3407	1	xb_st1 aqexp11pstr (3134)	–	–
3408	3420	13	xb_st1 aqexp12stcat (3136)	–	–
3421	3421	1	xb_st1 aqexp12sposstr (3136)	–	–
3422	3422	1	xb_st1 aqexp12refstr (3135)	–	–
3423	3423	1	xb_st1 aqexp12pstr (3135)	–	–
3424	3436	13	xb_st1 aqexp13stcat (3137)	–	–
3437	3437	1	xb_st1 aqexp13sposstr (3137)	–	–
3438	3438	1	xb_st1 aqexp13refstr (3137)	–	–
3439	3439	1	xb_st1 aqexp13pstr (3136)	–	–
3440	3440	1	xb_st1 aqsainfonu2sa19 (3206)	–	–
3441	3441	1	xb_st1 afrmcntvlds19 (3124)	–	–
3442	3448	7	xb_st1 aqsainfonu1sa19 (3204)	–	–
3449	3455	7	xb_st1 afrmcntnumsa19 (3121)	–	–
3456	3468	13	xb_st1 aqexp14stcat (3139)	–	–
3469	3469	1	xb_st1 aqexp14sposstr (3138)	–	–
3470	3470	1	xb_st1 aqexp14refstr (3138)	–	–
3471	3471	1	xb_st1 aqexp14pstr (3138)	–	–
3472	3484	13	xb_st1 aqexp15stcat (3140)	–	–
3485	3485	1	xb_st1 aqexp15sposstr (3140)	–	–
3486	3486	1	xb_st1 aqexp15refstr (3139)	–	–

Packet **xb_st1 aq_tlm** Format, cont'd

start bit	stop bit	size bits	field		
3487	3487	1	xb_st1 aqexp15pstr (3139)	—	—
3488	3500	13	xb_st1 aqexp16stcat (3141)	—	—
3501	3501	1	xb_st1 aqexp16sposstr (3141)	—	—
3502	3502	1	xb_st1 aqexp16refstr (3141)	—	—
3503	3503	1	xb_st1 aqexp16pstr (3140)	—	—
3504	3516	13	xb_st1 aqexp17stcat (3143)	—	—
3517	3517	1	xb_st1 aqexp17sposstr (3142)	—	—
3518	3518	1	xb_st1 aqexp17refstr (3142)	—	—
3519	3519	1	xb_st1 aqexp17pstr (3142)	—	—
3520	3535	16	xb_st1 aqnummask (3170)	—	—
3536	3551	16	xb_st1 aqresb0 (3185)	—	—
3552	3567	16	xb_st1 aqresb1 (3185)	—	—
3568	3583	16	xb_st1 aqresb2 (3189)	—	—
3584	3599	16	xb_st1 aqresb3 (3191)	—	—
3600	3615	16	xb_st1 aqresb4 (3192)	—	—
3616	3631	16	xb_st1 aqresb5 (3192)	—	—
3632	3647	16	xb_st1 aqresb6 (3192)	—	—
3648	3663	16	xb_st1 aqresb7 (3193)	—	—
3664	3679	16	xb_st1 aqresb8 (3193)	—	—
3680	3695	16	xb_st1 aqresb9 (3193)	—	—
3696	3711	16	xb_st1 aqresb10 (3186)	—	—
3712	3727	16	xb_st1 aqresb11 (3186)	—	—
3728	3743	16	xb_st1 aqresb12 (3186)	—	—
3744	3759	16	xb_st1 aqresb13 (3187)	—	—
3760	3775	16	xb_st1 aqresb14 (3187)	—	—
3776	3791	16	xb_st1 aqresb15 (3187)	—	—
3792	3807	16	xb_st1 aqresb16 (3188)	—	—
3808	3823	16	xb_st1 aqresb17 (3188)	—	—
3824	3839	16	xb_st1 aqresb18 (3188)	—	—
3840	3855	16	xb_st1 aqresb19 (3189)	—	—
3856	3871	16	xb_st1 aqresb20 (3189)	—	—
3872	3887	16	xb_st1 aqresb21 (3190)	—	—
3888	3903	16	xb_st1 aqresb22 (3190)	—	—
3904	3919	16	xb_st1 aqresb23 (3190)	—	—
3920	3935	16	xb_st1 aqresb24 (3191)	—	—
3936	3951	16	xb_st1 aqresb25 (3191)	—	—

Packet size = 3952 bits (494 bytes) .

F.57 xb_st1 aq_tlm_action2**Packet Source Application Identifier**

0x611 (1553)

OASIS Stream Name

xb_st11553

Description

Star Tracker 1 Acquisition Telemetry Action Data, 2nd 60 bytes

FormatPacket **xb_st1 aq_tlm_action2** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 aqact2pad1padb0 (3125)	–	–
16	31	16	xb_st1 aqact2pad1padb1 (3125)	–	–
32	47	16	xb_st1 aqact2pad1padb2 (3126)	–	–
48	63	16	xb_st1 aqact2pad1padb3 (3126)	–	–
64	79	16	xb_st1 aqact2pad1padb4 (3126)	–	–
80	95	16	xb_st1 aqact2pad1padb5 (3127)	–	–
96	111	16	xb_st1 aqact2pad1padb6 (3127)	–	–
112	143	32	xb_st1 aqact2pad2padb0 (3127)	–	–
144	175	32	xb_st1 aqact2pad2padb1 (3128)	–	–
176	207	32	xb_st1 aqact2pad2padb2 (3128)	–	–
208	239	32	xb_st1 aqact2pad2padb3 (3128)	–	–
240	271	32	xb_st1 aqact2pad2padb4 (3129)	–	–
272	303	32	xb_st1 aqact2pad2padb5 (3129)	–	–
304	335	32	xb_st1 aqact2pad2padb6 (3129)	–	–
336	367	32	xb_st1 aqact2pad2padb7 (3130)	–	–
368	368	1	xb_st1 aqsp1stsainfonu2 (3212)	–	–
369	369	1	xb_st1 aqsp1stfrmcntvld (3211)	–	–
370	376	7	xb_st1 aqsp1stsainfonu1 (3211)	–	–
377	383	7	xb_st1 aqsp1stfrmcntnum (3211)	–	–
384	399	16	xb_st1 aqsp2 (3212)	–	–
400	415	16	xb_st1 aqtlmst1sptc (3272)	–	–
416	431	16	xb_st1 aqtmst1syntdefaa (3272)	–	–
432	447	16	xb_st1 aqsp3 (3216)	–	–
448	463	16	xb_st1 aqsp4 (3219)	–	–
464	479	16	xb_st1 aqsp5statmrcnt (3226)	–	–
480	495	16	xb_st1 aqsp5reftmdel (3226)	–	–
496	511	16	xb_st1 aqsp6 (3226)	–	–
512	527	16	xb_st1 aqsp7 (3230)	–	–
528	591	64	xb_st1 aqsp8 (3233)	–	–
592	655	64	xb_st1 aqsp9 (3237)	–	–
656	719	64	xb_st1 aqsp10 (3208)	–	–
720	783	64	xb_st1 aqsp11 (3208)	–	–
784	815	32	xb_st1 aqsp12 (3208)	–	–
816	847	32	xb_st1 aqsp13 (3209)	–	–

Packet **xb_st1 aq_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
848	879	32	xb_st1 aqsp14 (3209)	–	–
880	880	1	xb_st1 aqs15stsainfonu2 (3195)	–	–
881	881	1	xb_st1 aqs15stfrmcntvld (3194)	–	–
882	888	7	xb_st1 aqs15stsainfonu1 (3194)	–	–
889	895	7	xb_st1 aqs15stfrmcntnum (3194)	–	–
896	911	16	xb_st1 aqsp16 (3209)	–	–
912	927	16	xb_st1 aqsp17 (3210)	–	–
928	943	16	xb_st1 aqsp18 (3210)	–	–
944	959	16	xb_st1 aqsp19 (3210)	–	–
960	975	16	xb_st1 aqtlmst1expmes1 (3266)	–	–
976	991	16	xb_st1 aqsp20 (3212)	–	–
992	1023	32	xb_st1 aqsp21 (3213)	–	–
1024	1055	32	xb_st1 aqsp22 (3213)	–	–
1056	1087	32	xb_st1 aqsp23 (3213)	–	–
1088	1103	16	xb_st1 aqtlmst1expmes2 (3269)	–	–
1104	1119	16	xb_st1 aqsp24 (3214)	–	–
1120	1151	32	xb_st1 aqsp25 (3214)	–	–
1152	1183	32	xb_st1 aqsp26 (3214)	–	–
1184	1215	32	xb_st1 aqsp27 (3215)	–	–
1216	1231	16	xb_st1 aqtlmst1expmes3 (3269)	–	–
1232	1247	16	xb_st1 aqsp28 (3215)	–	–
1248	1279	32	xb_st1 aqsp29 (3215)	–	–
1280	1311	32	xb_st1 aqsp30 (3216)	–	–
1312	1343	32	xb_st1 aqsp31 (3216)	–	–
1344	1359	16	xb_st1 aqtlmst1expmes4 (3270)	–	–
1360	1375	16	xb_st1 aqsp32 (3217)	–	–
1376	1391	16	xb_st1 aqsp33 (3217)	–	–
1392	1392	1	xb_st1 aqs34stsainfonu2 (3196)	–	–
1393	1393	1	xb_st1 aqs34stfrmcntvld (3195)	–	–
1394	1400	7	xb_st1 aqs34stsainfonu1 (3196)	–	–
1401	1407	7	xb_st1 aqs34stfrmcntnum (3195)	–	–
1408	1439	32	xb_st1 aqsp35 (3217)	–	–
1440	1471	32	xb_st1 aqsp36 (3218)	–	–
1472	1503	32	xb_st1 aqsp37 (3218)	–	–
1504	1519	16	xb_st1 aqtlmst1expmes5 (3270)	–	–
1520	1535	16	xb_st1 aqsp38 (3218)	–	–
1536	1567	32	xb_st1 aqsp39 (3219)	–	–
1568	1599	32	xb_st1 aqsp40 (3219)	–	–
1600	1631	32	xb_st1 aqsp41 (3220)	–	–
1632	1647	16	xb_st1 aqtlmst1expmes6 (3270)	–	–
1648	1663	16	xb_st1 aqsp42 (3220)	–	–
1664	1695	32	xb_st1 aqsp43 (3220)	–	–
1696	1727	32	xb_st1 aqsp44 (3221)	–	–
1728	1759	32	xb_st1 aqsp45 (3221)	–	–
1760	1775	16	xb_st1 aqtlmst1expmes7 (3271)	–	–
1776	1791	16	xb_st1 aqsp46 (3221)	–	–
1792	1823	32	xb_st1 aqsp47 (3222)	–	–

Packet **xb_st1 aq_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
1824	1855	32	xb_st1 aqsp48 (3222)	–	–
1856	1887	32	xb_st1 aqsp49 (3222)	–	–
1888	1903	16	xb_st1 aqtlmst1expmes8 (3271)	–	–
1904	1904	1	xb_st1 aqs50stsainfonu2 (3197)	–	–
1905	1905	1	xb_st1 aqs50stfrmcntvld (3197)	–	–
1906	1912	7	xb_st1 aqs50stsainfonu1 (3197)	–	–
1913	1919	7	xb_st1 aqs50stfrmcntnum (3196)	–	–
1920	1935	16	xb_st1 aqsp51 (3223)	–	–
1936	1967	32	xb_st1 aqsp52 (3223)	–	–
1968	1999	32	xb_st1 aqsp53 (3223)	–	–
2000	2031	32	xb_st1 aqsp54 (3224)	–	–
2032	2047	16	xb_st1 aqtlmst1expmes9 (3271)	–	–
2048	2063	16	xb_st1 aqsp55 (3224)	–	–
2064	2095	32	xb_st1 aqsp56 (3224)	–	–
2096	2127	32	xb_st1 aqsp57 (3225)	–	–
2128	2159	32	xb_st1 aqsp58 (3225)	–	–
2160	2175	16	xb_st1 aqtlmst1expmes10 (3266)	–	–
2176	2191	16	xb_st1 aqsp59 (3225)	–	–
2192	2223	32	xb_st1 aqsp60 (3227)	–	–
2224	2255	32	xb_st1 aqsp61 (3227)	–	–
2256	2287	32	xb_st1 aqsp62 (3227)	–	–
2288	2303	16	xb_st1 aqtlmst1expmes11 (3267)	–	–
2304	2319	16	xb_st1 aqsp63 (3228)	–	–
2320	2351	32	xb_st1 aqsp64 (3228)	–	–
2352	2383	32	xb_st1 aqsp65 (3228)	–	–
2384	2415	32	xb_st1 aqsp66 (3229)	–	–
2416	2416	1	xb_st1 aqs67stsainfonu2 (3199)	–	–
2417	2417	1	xb_st1 aqs67stfrmcntvld (3198)	–	–
2418	2424	7	xb_st1 aqs67stsainfonu1 (3198)	–	–
2425	2431	7	xb_st1 aqs67stfrmcntnum (3198)	–	–
2432	2447	16	xb_st1 aqtlmst1expmes12 (3267)	–	–
2448	2463	16	xb_st1 aqsp68 (3229)	–	–
2464	2495	32	xb_st1 aqsp69 (3229)	–	–
2496	2527	32	xb_st1 aqsp70 (3230)	–	–
2528	2559	32	xb_st1 aqsp71 (3230)	–	–
2560	2575	16	xb_st1 aqtlmst1expmes13 (3267)	–	–
2576	2591	16	xb_st1 aqsp72 (3231)	–	–
2592	2623	32	xb_st1 aqsp73 (3231)	–	–
2624	2655	32	xb_st1 aqsp74 (3231)	–	–
2656	2687	32	xb_st1 aqsp75 (3232)	–	–
2688	2703	16	xb_st1 aqtlmst1expmes14 (3268)	–	–
2704	2719	16	xb_st1 aqsp76 (3232)	–	–
2720	2751	32	xb_st1 aqsp77 (3232)	–	–
2752	2783	32	xb_st1 aqsp78 (3233)	–	–
2784	2815	32	xb_st1 aqsp79 (3233)	–	–
2816	2831	16	xb_st1 aqtlmst1expmes15 (3268)	–	–
2832	2847	16	xb_st1 aqsp80 (3234)	–	–

Packet **xb_st1 aq_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
2848	2879	32	xb_st1 aqsp81 (3234)	–	–
2880	2911	32	xb_st1 aqsp82 (3234)	–	–
2912	2927	16	xb_st1 aqsp83 (3235)	–	–
2928	2928	1	xb_st1 aqs84stsainfonu2 (3200)	–	–
2929	2929	1	xb_st1 aqs84stfrmcntvld (3199)	–	–
2930	2936	7	xb_st1 aqs84stsainfonu1 (3200)	–	–
2937	2943	7	xb_st1 aqs84stfrmcntnum (3199)	–	–
2944	2975	32	xb_st1 aqsp85 (3235)	–	–
2976	2991	16	xb_st1 aqtlmst1expmes16 (3268)	–	–
2992	3007	16	xb_st1 aqsp86 (3235)	–	–
3008	3039	32	xb_st1 aqsp87 (3236)	–	–
3040	3071	32	xb_st1 aqsp88 (3236)	–	–
3072	3103	32	xb_st1 aqsp89 (3236)	–	–
3104	3119	16	xb_st1 aqtlmst1expmes17 (3269)	–	–
3120	3135	16	xb_st1 aqsp90 (3237)	–	–
3136	3167	32	xb_st1 aqsp91 (3237)	–	–
3168	3199	32	xb_st1 aqsp92 (3238)	–	–
3200	3231	32	xb_st1 aqsp93 (3238)	–	–
3232	3247	16	xb_st1 aqtlmexp1 (3260)	–	–
3248	3263	16	xb_st1 aqtlmexp2 (3263)	–	–
3264	3279	16	xb_st1 aqtlmexp3 (3264)	–	–
3280	3295	16	xb_st1 aqtlmexp4 (3264)	–	–
3296	3311	16	xb_st1 aqtlmexp5 (3264)	–	–
3312	3327	16	xb_st1 aqtlmexp6 (3265)	–	–
3328	3343	16	xb_st1 aqtlmexp7 (3265)	–	–
3344	3359	16	xb_st1 aqtlmexp8 (3265)	–	–
3360	3375	16	xb_st1 aqtlmexp9 (3266)	–	–
3376	3391	16	xb_st1 aqtlmexp10 (3261)	–	–
3392	3407	16	xb_st1 aqtlmexp11 (3261)	–	–
3408	3423	16	xb_st1 aqtlmexp12 (3261)	–	–
3424	3439	16	xb_st1 aqtlmexp13 (3262)	–	–
3440	3440	1	xb_st1 aqs94stsainfonu2 (3201)	–	–
3441	3441	1	xb_st1 aqs94stfrmcntvld (3201)	–	–
3442	3448	7	xb_st1 aqs94stsainfonu1 (3201)	–	–
3449	3455	7	xb_st1 aqs94stfrmcntnum (3200)	–	–
3456	3471	16	xb_st1 aqtlmexp14 (3262)	–	–
3472	3487	16	xb_st1 aqtlmexp15 (3262)	–	–
3488	3503	16	xb_st1 aqtlmexp16 (3263)	–	–
3504	3519	16	xb_st1 aqtlmexp17 (3263)	–	–
3520	3535	16	xb_st1 aqsp95 (3238)	–	–
3536	3551	16	xb_st1 aqsp96st1resb0 (3239)	–	–
3552	3567	16	xb_st1 aqsp96st1resb1 (3239)	–	–
3568	3583	16	xb_st1 aqsp96st1resb2 (3243)	–	–
3584	3599	16	xb_st1 aqsp96st1resb3 (3245)	–	–
3600	3615	16	xb_st1 aqsp96st1resb4 (3245)	–	–
3616	3631	16	xb_st1 aqsp96st1resb5 (3246)	–	–
3632	3647	16	xb_st1 aqsp96st1resb6 (3246)	–	–

Packet **xb_st1 aq_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
3648	3663	16	xb_st1 aqsp96st1resb7 (3246)	–	–
3664	3679	16	xb_st1 aqsp96st1resb8 (3247)	–	–
3680	3695	16	xb_st1 aqsp96st1resb9 (3247)	–	–
3696	3711	16	xb_st1 aqsp96st1resb10 (3239)	–	–
3712	3727	16	xb_st1 aqsp96st1resb11 (3240)	–	–
3728	3743	16	xb_st1 aqsp96st1resb12 (3240)	–	–
3744	3759	16	xb_st1 aqsp96st1resb13 (3240)	–	–
3760	3775	16	xb_st1 aqsp96st1resb14 (3241)	–	–
3776	3791	16	xb_st1 aqsp96st1resb15 (3241)	–	–
3792	3807	16	xb_st1 aqsp96st1resb16 (3241)	–	–
3808	3823	16	xb_st1 aqsp96st1resb17 (3242)	–	–
3824	3839	16	xb_st1 aqsp96st1resb18 (3242)	–	–
3840	3855	16	xb_st1 aqsp96st1resb19 (3242)	–	–
3856	3871	16	xb_st1 aqsp96st1resb20 (3243)	–	–
3872	3887	16	xb_st1 aqsp96st1resb21 (3243)	–	–
3888	3903	16	xb_st1 aqsp96st1resb22 (3244)	–	–
3904	3919	16	xb_st1 aqsp96st1resb23 (3244)	–	–
3920	3935	16	xb_st1 aqsp96st1resb24 (3244)	–	–
3936	3951	16	xb_st1 aqsp96st1resb25 (3245)	–	–

Packet size = 3952 bits (494 bytes) .

F.58 xb_st1 car_aq1_tlm

Packet Source Application Identifier

0x605 (1541)

OASIS Stream Name

xb.st11541

Description

Star Tracker 1 Characterization Acquisition Data, 1st 60 bytes

Format

Packet **xb_st1 car_aq1_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 caq1headerpid (3294)	—	—
16	17	2	xb_st1 caq1headersflg (3295)	—	—
18	31	14	xb_st1 caq1headersct (3295)	—	—
32	47	16	xb_st1 caq1headerpl (3295)	—	—
48	63	16	xb_st1 caq1tmhdrhws (3306)	—	—
64	79	16	xb_st1 caq1tmhdrlws (3307)	—	—
80	95	16	xb_st1 caq1tmhdrhwss (3307)	—	—
96	111	16	xb_st1 caq1tmhdrlwss (3307)	—	—
112	143	32	xb_st1 caq1numemadr (3296)	—	—
144	159	16	xb_st1 caq1nuwrdr1 (3296)	—	—
160	175	16	xb_st1 caq1nuwrdr2 (3300)	—	—
176	191	16	xb_st1 caq1nuwrdr3 (3304)	—	—
192	207	16	xb_st1 caq1nuwrdr4 (3304)	—	—
208	223	16	xb_st1 caq1nuwrdr5 (3305)	—	—
224	239	16	xb_st1 caq1nuwrdr6 (3305)	—	—
240	255	16	xb_st1 caq1nuwrdr7 (3305)	—	—
256	271	16	xb_st1 caq1nuwrdr8 (3306)	—	—
272	287	16	xb_st1 caq1nuwrdr9 (3306)	—	—
288	303	16	xb_st1 caq1nuwrdr10 (3297)	—	—
304	319	16	xb_st1 caq1nuwrdr11 (3297)	—	—
320	335	16	xb_st1 caq1nuwrdr12 (3297)	—	—
336	351	16	xb_st1 caq1nuwrdr13 (3298)	—	—
352	367	16	xb_st1 caq1nuwrdr14 (3298)	—	—
368	383	16	xb_st1 caq1nuwrdr15 (3298)	—	—
384	399	16	xb_st1 caq1nuwrdr16 (3299)	—	—
400	415	16	xb_st1 caq1nuwrdr17 (3299)	—	—
416	431	16	xb_st1 caq1nuwrdr18 (3299)	—	—
432	447	16	xb_st1 caq1nuwrdr19 (3300)	—	—
448	463	16	xb_st1 caq1nuwrdr20 (3300)	—	—
464	479	16	xb_st1 caq1nuwrdr21 (3301)	—	—
480	495	16	xb_st1 caq1nuwrdr22 (3301)	—	—
496	511	16	xb_st1 caq1nuwrdr23 (3301)	—	—
512	527	16	xb_st1 caq1nuwrdr24 (3302)	—	—
528	543	16	xb_st1 caq1nuwrdr25 (3302)	—	—

Packet **xb_st1 car_aq1_tlm** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	xb_st1 caq1nuwr26 (3302)	—	—
560	575	16	xb_st1 caq1nuwr27 (3303)	—	—
576	591	16	xb_st1 caq1nuwr28 (3303)	—	—
592	607	16	xb_st1 caq1nuwr29 (3303)	—	—
608	623	16	xb_st1 caq1nuwr30 (3304)	—	—
624	655	32	xb_st1 caq1memadr (3296)	—	—
656	662	7	xb_st1 casptcnu (3335)	—	—
663	663	1	xb_st1 casptcpropcalc (3336)	—	—
664	664	1	xb_st1 casptcupcmdvec (3337)	—	—
665	665	1	xb_st1 casptcsevelvec (3336)	—	—
666	666	1	xb_st1 casptcesvelvec (3335)	—	—
667	667	1	xb_st1 casptcjulprop (3335)	—	—
668	668	1	xb_st1 casptcabercrct (3334)	—	—
669	669	1	xb_st1 casptcpreccrct (3336)	—	—
670	670	1	xb_st1 casptcstrposprop (3337)	—	—
671	671	1	xb_st1 casptcbmdact (3334)	—	—
672	679	8	xb_st1 cnumidstrsgtnbtm (3338)	—	—
680	683	4	xb_st1 csyntdefidnu (3362)	—	—
684	684	1	xb_st1 ciddmnoutofrange (3337)	—	—
685	685	1	xb_st1 cnumidstrs2big (3338)	—	—
686	686	1	xb_st1 cnumretpixs2big (3339)	—	—
687	687	1	xb_st1 cnumidstrsisnull (3338)	—	—
688	703	16	xb_st1 caqnbid (3327)	—	—
704	719	16	xb_st1 caqnu (3327)	—	—
720	735	16	xb_st1 caqdtmesstatmrct (3322)	—	—
736	751	16	xb_st1 caqdtmesreftmdel (3321)	—	—
752	759	8	xb_st1 etaidnu1 (3453)	—	—
760	760	1	xb_st1 mag2big1 (3456)	—	—
761	761	1	xb_st1 mag2sml1 (3459)	—	—
762	762	1	xb_st1 stroutfov1 (3576)	—	—
763	763	1	xb_st1 strsig2low1 (3583)	—	—
764	764	1	xb_st1 satpixpat1 (3463)	—	—
765	765	1	xb_st1 defpixpat1 (3391)	—	—
766	766	1	xb_st1 strpat2big1 (3579)	—	—
767	767	1	xb_st1 strpat2sml1 (3581)	—	—
768	783	16	xb_st1 caqmagmes1 (3322)	—	—
784	815	32	xb_st1 caqxvemes1 (3327)	—	—
816	847	32	xb_st1 caqyvemes1 (3330)	—	—
848	879	32	xb_st1 caqzvemes1 (3332)	—	—
880	887	8	xb_st1 etaidnu2 (3454)	—	—
888	888	1	xb_st1 mag2big2 (3457)	—	—
889	889	1	xb_st1 mag2sml2 (3459)	—	—
890	890	1	xb_st1 stroutfov2 (3577)	—	—
891	891	1	xb_st1 strsig2low2 (3584)	—	—
892	892	1	xb_st1 satpixpat2 (3463)	—	—
893	893	1	xb_st1 defpixpat2 (3391)	—	—
894	894	1	xb_st1 strpat2big2 (3579)	—	—

Packet **xb_st1 car_aq1_tlm** Format, cont'd

start bit	stop bit	size bits	field		
895	895	1	xb_st1 strpat2sml2 (3581)	—	—
896	911	16	xb_st1 caqmagmes2 (3323)	—	—
912	943	32	xb_st1 caqxivemes2 (3328)	—	—
944	975	32	xb_st1 caqyvemes2 (3330)	—	—
976	1007	32	xb_st1 caqzvemes2 (3332)	—	—
1008	1015	8	xb_st1 etaidnu3 (3454)	—	—
1016	1016	1	xb_st1 mag2big3 (3457)	—	—
1017	1017	1	xb_st1 mag2sml3 (3459)	—	—
1018	1018	1	xb_st1 stroutoffov3 (3577)	—	—
1019	1019	1	xb_st1 strsig2low3 (3584)	—	—
1020	1020	1	xb_st1 satpixpat3 (3463)	—	—
1021	1021	1	xb_st1 defpixpat3 (3392)	—	—
1022	1022	1	xb_st1 strpat2big3 (3579)	—	—
1023	1023	1	xb_st1 strpat2sml3 (3582)	—	—
1024	1039	16	xb_st1 caqmagmes3 (3323)	—	—
1040	1071	32	xb_st1 caqxivemes3 (3328)	—	—
1072	1103	32	xb_st1 caqyvemes3 (3330)	—	—
1104	1135	32	xb_st1 caqzvemes3 (3333)	—	—

Packet size = 1136 bits (142 bytes) .

F.59 xb_st1 car_aq2_tlm**Packet Source Application Identifier**

0x604 (1540)

OASIS Stream Name

xb_st11540

Description

Star Tracker 1 Characterization Acquisition Data, 2nd 60 bytes

FormatPacket **xb_st1 car_aq2_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 caq2headerpid (3308)	—	—
16	17	2	xb_st1 caq2headersflg (3309)	—	—
18	31	14	xb_st1 caq2headersct (3308)	—	—
32	47	16	xb_st1 caq2headerpl (3308)	—	—
48	63	16	xb_st1 caq2tmhdrhws (3320)	—	—
64	79	16	xb_st1 caq2tmhdrlws (3320)	—	—
80	95	16	xb_st1 caq2tmhdrhwss (3320)	—	—
96	111	16	xb_st1 caq2tmhdrlwss (3321)	—	—
112	143	32	xb_st1 caq2numemadr (3309)	—	—
144	159	16	xb_st1 caq2nu wrd1 (3310)	—	—
160	175	16	xb_st1 caq2nu wrd2 (3313)	—	—
176	191	16	xb_st1 caq2nu wrd3 (3317)	—	—
192	207	16	xb_st1 caq2nu wrd4 (3318)	—	—
208	223	16	xb_st1 caq2nu wrd5 (3318)	—	—
224	239	16	xb_st1 caq2nu wrd6 (3318)	—	—
240	255	16	xb_st1 caq2nu wrd7 (3319)	—	—
256	271	16	xb_st1 caq2nu wrd8 (3319)	—	—
272	287	16	xb_st1 caq2nu wrd9 (3319)	—	—
288	303	16	xb_st1 caq2nu wrd10 (3310)	—	—
304	319	16	xb_st1 caq2nu wrd11 (3310)	—	—
320	335	16	xb_st1 caq2nu wrd12 (3311)	—	—
336	351	16	xb_st1 caq2nu wrd13 (3311)	—	—
352	367	16	xb_st1 caq2nu wrd14 (3311)	—	—
368	383	16	xb_st1 caq2nu wrd15 (3312)	—	—
384	399	16	xb_st1 caq2nu wrd16 (3312)	—	—
400	415	16	xb_st1 caq2nu wrd17 (3312)	—	—
416	431	16	xb_st1 caq2nu wrd18 (3313)	—	—
432	447	16	xb_st1 caq2nu wrd19 (3313)	—	—
448	463	16	xb_st1 caq2nu wrd20 (3314)	—	—
464	479	16	xb_st1 caq2nu wrd21 (3314)	—	—
480	495	16	xb_st1 caq2nu wrd22 (3314)	—	—
496	511	16	xb_st1 caq2nu wrd23 (3315)	—	—
512	527	16	xb_st1 caq2nu wrd24 (3315)	—	—
528	543	16	xb_st1 caq2nu wrd25 (3315)	—	—

Packet **xb_st1 car_aq2_tlm** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	xb_st1 caq2nuwrd26 (3316)	—	—
560	575	16	xb_st1 caq2nuwrd27 (3316)	—	—
576	591	16	xb_st1 caq2nuwrd28 (3316)	—	—
592	607	16	xb_st1 caq2nuwrd29 (3317)	—	—
608	623	16	xb_st1 caq2nuwrd30 (3317)	—	—
624	655	32	xb_st1 caq2memadr (3309)	—	—
656	663	8	xb_st1 etaidnu4 (3454)	—	—
664	664	1	xb_st1 mag2big4 (3457)	—	—
665	665	1	xb_st1 mag2sml4 (3460)	—	—
666	666	1	xb_st1 stroutoffov4 (3577)	—	—
667	667	1	xb_st1 strsig2low4 (3584)	—	—
668	668	1	xb_st1 satpixpat4 (3464)	—	—
669	669	1	xb_st1 defpixpat4 (3392)	—	—
670	670	1	xb_st1 strpat2big4 (3580)	—	—
671	671	1	xb_st1 strpat2sml4 (3582)	—	—
672	687	16	xb_st1 caqmagmes4 (3324)	—	—
688	719	32	xb_st1 caqxivemes4 (3328)	—	—
720	751	32	xb_st1 caqyvemes4 (3331)	—	—
752	783	32	xb_st1 caqzvemes4 (3333)	—	—
784	791	8	xb_st1 etaidnu5 (3455)	—	—
792	792	1	xb_st1 mag2big5 (3458)	—	—
793	793	1	xb_st1 mag2sml5 (3460)	—	—
794	794	1	xb_st1 stroutoffov5 (3578)	—	—
795	795	1	xb_st1 strsig2low5 (3585)	—	—
796	796	1	xb_st1 satpixpat5 (3464)	—	—
797	797	1	xb_st1 defpixpat5 (3392)	—	—
798	798	1	xb_st1 strpat2big5 (3580)	—	—
799	799	1	xb_st1 strpat2sml5 (3582)	—	—
800	815	16	xb_st1 caqmagmes5 (3325)	—	—
816	847	32	xb_st1 caqxivemes5 (3329)	—	—
848	879	32	xb_st1 caqyvemes5 (3331)	—	—
880	911	32	xb_st1 caqzvemes5 (3333)	—	—
912	919	8	xb_st1 etaidnu6 (3455)	—	—
920	920	1	xb_st1 mag2big6 (3458)	—	—
921	921	1	xb_st1 mag2sml6 (3460)	—	—
922	922	1	xb_st1 stroutoffov6 (3578)	—	—
923	923	1	xb_st1 strsig2low6 (3585)	—	—
924	924	1	xb_st1 satpixpat6 (3464)	—	—
925	925	1	xb_st1 defpixpat6 (3393)	—	—
926	926	1	xb_st1 strpat2big6 (3580)	—	—
927	927	1	xb_st1 strpat2sml6 (3583)	—	—
928	943	16	xb_st1 caqmagmes6 (3325)	—	—
944	975	32	xb_st1 caqxivemes6 (3329)	—	—
976	1007	32	xb_st1 caqyvemes6 (3331)	—	—
1008	1039	32	xb_st1 caqzvemes6 (3334)	—	—
1040	1047	8	xb_st1 etaidnu7 (3455)	—	—
1048	1048	1	xb_st1 mag2big7 (3458)	—	—

Packet **xb_st1 car_aq2_tlm** Format, cont'd

start bit	stop bit	size bits	field		
1049	1049	1	xb_st1 mag2sml7 (3461)	—	—
1050	1050	1	xb_st1 stroutoffov7 (3578)	—	—
1051	1051	1	xb_st1 strsig2low7 (3585)	—	—
1052	1052	1	xb_st1 satpixpat7 (3465)	—	—
1053	1053	1	xb_st1 defpixpat7 (3393)	—	—
1054	1054	1	xb_st1 strpat2big7 (3581)	—	—
1055	1055	1	xb_st1 strpat2sml7 (3583)	—	—
1056	1071	16	xb_st1 caqmagmes7 (3326)	—	—
1072	1103	32	xb_st1 caqxvemes7 (3329)	—	—
1104	1135	32	xb_st1 caqyvemes7 (3332)	—	—

Packet size = 1136 bits (142 bytes) .

F.60 xb_st1 car_trk_tlm**Packet Source Application Identifier**

0x603 (1539)

OASIS Stream Name

xb_st11539

Description

Star Tracker 1 Characterization Track Data

FormatPacket **xb_st1 car_trk_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 cthead pid (3364)	—	—
16	17	2	xb_st1 cthead sflg (3365)	—	—
18	31	14	xb_st1 cthead sct (3364)	—	—
32	47	16	xb_st1 cthead pl (3364)	—	—
48	63	16	xb_st1 cttmh drhws (3388)	—	—
64	79	16	xb_st1 cttmh drlws (3389)	—	—
80	95	16	xb_st1 cttmh drhwss (3388)	—	—
96	111	16	xb_st1 cttmh drlwss (3389)	—	—
112	143	32	xb_st1 ctnu madr (3367)	—	—
144	159	16	xb_st1 ctnu wrdr1 (3368)	—	—
160	175	16	xb_st1 ctnu wrdr2 (3371)	—	—
176	191	16	xb_st1 ctnu wrdr3 (3375)	—	—
192	207	16	xb_st1 ctnu wrdr4 (3376)	—	—
208	223	16	xb_st1 ctnu wrdr5 (3376)	—	—
224	239	16	xb_st1 ctnu wrdr6 (3376)	—	—
240	255	16	xb_st1 ctnu wrdr7 (3377)	—	—
256	271	16	xb_st1 ctnu wrdr8 (3377)	—	—
272	287	16	xb_st1 ctnu wrdr9 (3377)	—	—
288	303	16	xb_st1 ctnu wrdr10 (3368)	—	—
304	319	16	xb_st1 ctnu wrdr11 (3368)	—	—
320	335	16	xb_st1 ctnu wrdr12 (3369)	—	—
336	351	16	xb_st1 ctnu wrdr13 (3369)	—	—
352	367	16	xb_st1 ctnu wrdr14 (3369)	—	—
368	383	16	xb_st1 ctnu wrdr15 (3370)	—	—
384	399	16	xb_st1 ctnu wrdr16 (3370)	—	—
400	415	16	xb_st1 ctnu wrdr17 (3370)	—	—
416	431	16	xb_st1 ctnu wrdr18 (3371)	—	—
432	447	16	xb_st1 ctnu wrdr19 (3371)	—	—
448	463	16	xb_st1 ctnu wrdr20 (3372)	—	—
464	479	16	xb_st1 ctnu wrdr21 (3372)	—	—
480	495	16	xb_st1 ctnu wrdr22 (3372)	—	—
496	511	16	xb_st1 ctnu wrdr23 (3373)	—	—
512	527	16	xb_st1 ctnu wrdr24 (3373)	—	—
528	543	16	xb_st1 ctnu wrdr25 (3373)	—	—

Packet **xb_st1 car_trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	xb_st1 ctnuwr26 (3374)	—	—
560	575	16	xb_st1 ctnuwr27 (3374)	—	—
576	591	16	xb_st1 ctnuwr28 (3374)	—	—
592	607	16	xb_st1 ctnuwr29 (3375)	—	—
608	623	16	xb_st1 ctnuwr30 (3375)	—	—
624	655	32	xb_st1 ctmemadr (3366)	—	—
656	662	7	xb_st1 ctstcsptcnu (3381)	—	—
663	663	1	xb_st1 ctstcstrpropcalc (3381)	—	—
664	664	1	xb_st1 ctstcupcmdvec (3382)	—	—
665	665	1	xb_st1 ctstcsevelvec (3380)	—	—
666	666	1	xb_st1 ctstcesvelvec (3379)	—	—
667	667	1	xb_st1 ctstcjulprop (3379)	—	—
668	668	1	xb_st1 ctstcabercrct (3379)	—	—
669	669	1	xb_st1 ctstcpreccrct (3380)	—	—
670	670	1	xb_st1 ctstcstrposprop (3381)	—	—
671	671	1	xb_st1 ctstcsptcbmdact (3380)	—	—
672	679	8	xb_st1 numidstrsgtnbtm (3461)	—	—
680	683	4	xb_st1 syntdefidnu (3587)	—	—
684	684	1	xb_st1 iddmnoutofrange (3456)	—	—
685	685	1	xb_st1 numidstrs2big (3461)	—	—
686	686	1	xb_st1 numretpixs2big (3462)	—	—
687	687	1	xb_st1 numidstrsisnull (3462)	—	—
688	703	16	xb_st1 dtmesstatmrcnt (3453)	—	—
704	719	16	xb_st1 dtmesrefttmdel (3452)	—	—
720	722	3	xb_st1 ctetameasnu1 (3363)	—	—
723	723	1	xb_st1 ctstroutoffov (3382)	—	—
724	724	1	xb_st1 ctstraylight2big (3382)	—	—
725	725	1	xb_st1 ctnumstrpixs2low (3367)	—	—
726	726	1	xb_st1 ctmeasnvsexp2big (3366)	—	—
727	727	1	xb_st1 ctposoutofcodmn (3378)	—	—
728	728	1	xb_st1 ctstrsignal2low (3383)	—	—
729	729	1	xb_st1 ctsatpixinstrpat (3378)	—	—
730	730	1	xb_st1 ctdefpixinstrpat (3363)	—	—
731	731	1	xb_st1 ctstrpat2big (3383)	—	—
732	732	1	xb_st1 ctstrpat2sml (3383)	—	—
733	733	1	xb_st1 ctovrlapmeasdmns (3378)	—	—
734	734	1	xb_st1 ctmeasoutofudmn (3366)	—	—
735	735	1	xb_st1 ctnostrmeas (3367)	—	—
736	751	16	xb_st1 ctmagmes (3365)	—	—
752	783	32	xb_st1 ctxvemes (3390)	—	—
784	815	32	xb_st1 ctyvemes (3390)	—	—
816	847	32	xb_st1 ctzvemes (3391)	—	—
848	879	32	xb_st1 ctxnmes (3389)	—	—
880	911	32	xb_st1 ctynmes (3390)	—	—
912	927	16	xb_st1 ctfmmes (3363)	—	—
928	943	16	xb_st1 cttailpadb0 (3384)	—	—
944	959	16	xb_st1 cttailpadb1 (3384)	—	—

Packet **xb_st1 car_trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
960	975	16	xb_st1 cttailpadb2 (3385)	—	—
976	991	16	xb_st1 cttailpadb3 (3386)	—	—
992	1007	16	xb_st1 cttailpadb4 (3386)	—	—
1008	1023	16	xb_st1 cttailpadb5 (3386)	—	—
1024	1039	16	xb_st1 cttailpadb6 (3387)	—	—
1040	1055	16	xb_st1 cttailpadb7 (3387)	—	—
1056	1071	16	xb_st1 cttailpadb8 (3387)	—	—
1072	1087	16	xb_st1 cttailpadb9 (3388)	—	—
1088	1103	16	xb_st1 cttailpadb10 (3384)	—	—
1104	1119	16	xb_st1 cttailpadb11 (3385)	—	—
1120	1135	16	xb_st1 cttailpadb12 (3385)	—	—

Packet size = 1136 bits (142 bytes) .

F.61 xb_st1 crc_dtadmp_tlm**Packet Source Application Identifier**

0x14b (331)

OASIS Stream Name

xb.st1331

Description

combined crc/data dump packet

FormatPacket **xb_st1 crc_dtadmp_tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 crcdmphdrpid (3349)	—	—
16	17	2	xb_st1 crcdmphdrsflg (3350)	—	—
18	31	14	xb_st1 crcdmphdrsct (3350)	—	—
32	47	16	xb_st1 crcdmphdrpl (3350)	—	—
48	63	16	xb_st1 crcdmptmhdrhws (3361)	—	—
64	79	16	xb_st1 crcdmptmhdlws (3362)	—	—
80	95	16	xb_st1 crcdmptmhdrhws (3361)	—	—
96	111	16	xb_st1 crcdmptmhdlwss (3362)	—	—
112	143	32	xb_st1 crcdmpsectmemadr (3351)	—	—
144	159	16	xb_st1 crcdmpsectwr1 (3351)	—	—
160	175	16	xb_st1 crcdmpsectwr2 (3355)	—	—
176	191	16	xb_st1 crcdmpsectwr3 (3358)	—	—
192	207	16	xb_st1 crcdmpsectwr4 (3359)	—	—
208	223	16	xb_st1 crcdmpsectwr5 (3359)	—	—
224	239	16	xb_st1 crcdmpsectwr6 (3360)	—	—
240	255	16	xb_st1 crcdmpsectwr7 (3360)	—	—
256	271	16	xb_st1 crcdmpsectwr8 (3360)	—	—
272	287	16	xb_st1 crcdmpsectwr9 (3361)	—	—
288	303	16	xb_st1 crcdmpsectwr10 (3351)	—	—
304	319	16	xb_st1 crcdmpsectwr11 (3352)	—	—
320	335	16	xb_st1 crcdmpsectwr12 (3352)	—	—
336	351	16	xb_st1 crcdmpsectwr13 (3352)	—	—
352	367	16	xb_st1 crcdmpsectwr14 (3353)	—	—
368	383	16	xb_st1 crcdmpsectwr15 (3353)	—	—
384	399	16	xb_st1 crcdmpsectwr16 (3353)	—	—
400	415	16	xb_st1 crcdmpsectwr17 (3354)	—	—
416	431	16	xb_st1 crcdmpsectwr18 (3354)	—	—
432	447	16	xb_st1 crcdmpsectwr19 (3354)	—	—
448	463	16	xb_st1 crcdmpsectwr20 (3355)	—	—
464	479	16	xb_st1 crcdmpsectwr21 (3355)	—	—
480	495	16	xb_st1 crcdmpsectwr22 (3356)	—	—
496	511	16	xb_st1 crcdmpsectwr23 (3356)	—	—
512	527	16	xb_st1 crcdmpsectwr24 (3356)	—	—
528	543	16	xb_st1 crcdmpsectwr25 (3357)	—	—

Packet **xb_st1 crc_dtadmp_tlm** Format, cont'd

start bit	stop bit	size bits	field		
544	559	16	xb_st1 crcdmpdsectwrdd26 (3357)	—	—
560	575	16	xb_st1 crcdmpdsectwrdd27 (3357)	—	—
576	591	16	xb_st1 crcdmpdsectwrdd28 (3358)	—	—
592	607	16	xb_st1 crcdmpdsectwrdd29 (3358)	—	—
608	623	16	xb_st1 crcdmpdsectwrdd30 (3359)	—	—
624	655	32	xb_st1 crcdmpdsectmemadr (3339)	—	—
656	671	16	xb_st1 crcdmpdsectwrdd1 (3339)	—	—
672	687	16	xb_st1 crcdmpdsectwrdd2 (3343)	—	—
688	703	16	xb_st1 crcdmpdsectwrdd3 (3347)	—	—
704	719	16	xb_st1 crcdmpdsectwrdd4 (3347)	—	—
720	735	16	xb_st1 crcdmpdsectwrdd5 (3348)	—	—
736	751	16	xb_st1 crcdmpdsectwrdd6 (3348)	—	—
752	767	16	xb_st1 crcdmpdsectwrdd7 (3348)	—	—
768	783	16	xb_st1 crcdmpdsectwrdd8 (3349)	—	—
784	799	16	xb_st1 crcdmpdsectwrdd9 (3349)	—	—
800	815	16	xb_st1 crcdmpdsectwrdd10 (3340)	—	—
816	831	16	xb_st1 crcdmpdsectwrdd11 (3340)	—	—
832	847	16	xb_st1 crcdmpdsectwrdd12 (3340)	—	—
848	863	16	xb_st1 crcdmpdsectwrdd13 (3341)	—	—
864	879	16	xb_st1 crcdmpdsectwrdd14 (3341)	—	—
880	895	16	xb_st1 crcdmpdsectwrdd15 (3341)	—	—
896	911	16	xb_st1 crcdmpdsectwrdd16 (3342)	—	—
912	927	16	xb_st1 crcdmpdsectwrdd17 (3342)	—	—
928	943	16	xb_st1 crcdmpdsectwrdd18 (3342)	—	—
944	959	16	xb_st1 crcdmpdsectwrdd19 (3343)	—	—
960	975	16	xb_st1 crcdmpdsectwrdd20 (3343)	—	—
976	991	16	xb_st1 crcdmpdsectwrdd21 (3344)	—	—
992	1007	16	xb_st1 crcdmpdsectwrdd22 (3344)	—	—
1008	1023	16	xb_st1 crcdmpdsectwrdd23 (3344)	—	—
1024	1039	16	xb_st1 crcdmpdsectwrdd24 (3345)	—	—
1040	1055	16	xb_st1 crcdmpdsectwrdd25 (3345)	—	—
1056	1071	16	xb_st1 crcdmpdsectwrdd26 (3345)	—	—
1072	1087	16	xb_st1 crcdmpdsectwrdd27 (3346)	—	—
1088	1103	16	xb_st1 crcdmpdsectwrdd28 (3346)	—	—
1104	1119	16	xb_st1 crcdmpdsectwrdd29 (3346)	—	—
1120	1135	16	xb_st1 crcdmpdsectwrdd30 (3347)	—	—

Packet size = 1136 bits (142 bytes) .

F.62 xb_st1 dg_tlm_sid

Packet Source Application Identifier

0x147 (327)

OASIS Stream Name

xb.st1327

Description

Diagnostic Telemetry for ST1

Format

Packet **xb_st1 dg_tlm_sid** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 dgpid (3445)	—	—
16	17	2	xb_st1 dgsflg (3452)	—	—
18	31	14	xb_st1 dgsct (3451)	—	—
32	47	16	xb_st1 dgpl (3446)	—	—
48	63	16	xb_st1 dghws (3442)	—	—
64	79	16	xb_st1 dglws (3443)	—	—
80	95	16	xb_st1 dghwss (3442)	—	—
96	111	16	xb_st1 dglwss (3443)	—	—
112	112	1	xb_st1 dgsainfonu2sa7 (3450)	—	—
113	113	1	xb_st1 dgfrmcntvlds7 (3441)	—	—
114	120	7	xb_st1 dgsainfonu1sa7 (3448)	—	—
121	127	7	xb_st1 dgfrmcntnumsa7 (3439)	—	—
128	142	15	xb_st1 dgsyntdefsp (3452)	—	—
143	143	1	xb_st1 dginttsucc (3443)	—	—
144	159	16	xb_st1 dgselftiseqmes (3451)	—	—
160	191	32	xb_st1 dganaoff1 (3397)	—	—
192	223	32	xb_st1 dgecaanaoff1 (3436)	—	—
224	255	32	xb_st1 dgobscdd1 (3444)	—	—
256	287	32	xb_st1 dgecaobscdd1 (3437)	—	—
288	319	32	xb_st1 dganaoff2 (3397)	—	—
320	351	32	xb_st1 dgecaanaoff2 (3436)	—	—
352	383	32	xb_st1 dgobscdd2 (3445)	—	—
384	415	32	xb_st1 dgecaobscdd2 (3437)	—	—
416	431	16	xb_st1 dgnbpixsat2 (3444)	—	—
432	432	1	xb_st1 dgsainfonu2sa8 (3450)	—	—
433	433	1	xb_st1 dgfrmcntvlds8 (3441)	—	—
434	440	7	xb_st1 dgsainfonu1sa8 (3448)	—	—
441	447	7	xb_st1 dgfrmcntnumsa8 (3439)	—	—
448	463	16	xb_st1 dgcoderr1 (3398)	—	—
464	479	16	xb_st1 dgcpterrcla1 (3428)	—	—
480	511	32	xb_st1 dgdterr1 (3432)	—	—
512	543	32	xb_st1 dgadrerr1 (3393)	—	—
544	559	16	xb_st1 dgcoderr2 (3399)	—	—
560	575	16	xb_st1 dgcpterrcla2 (3429)	—	—

Packet **xb_st1 dg_tlm_sid** Format, cont'd

start bit	stop bit	size bits	field		
576	607	32	xb_st1 dgdterr2 (3433)	—	—
608	639	32	xb_st1 dgadrerr2 (3394)	—	—
640	655	16	xb_st1 dgcoderr3 (3399)	—	—
656	671	16	xb_st1 dgcpterrcla3 (3430)	—	—
672	703	32	xb_st1 dgdterr3 (3433)	—	—
704	735	32	xb_st1 dgadrerr3 (3395)	—	—
736	751	16	xb_st1 dgcoderr4 (3400)	—	—
752	767	16	xb_st1 dgcpterrcla4 (3430)	—	—
768	799	32	xb_st1 dgdterr4 (3434)	—	—
800	831	32	xb_st1 dgadrerr4 (3395)	—	—
832	847	16	xb_st1 dgcoderr5 (3400)	—	—
848	863	16	xb_st1 dgcpterrcla5 (3430)	—	—
864	895	32	xb_st1 dgdterr5 (3434)	—	—
896	927	32	xb_st1 dgadrerr5 (3395)	—	—
928	943	16	xb_st1 dgressa8 (3446)	—	—
944	944	1	xb_st1 dgsainfonu2sa9 (3450)	—	—
945	945	1	xb_st1 dgfrmcntvlds9 (3442)	—	—
946	952	7	xb_st1 dgsainfonu1sa9 (3448)	—	—
953	959	7	xb_st1 dgfrmcntnumsa9 (3439)	—	—
960	975	16	xb_st1 dgcoderr6 (3400)	—	—
976	991	16	xb_st1 dgcpterrcla6 (3431)	—	—
992	1023	32	xb_st1 dgdterr6 (3434)	—	—
1024	1055	32	xb_st1 dgadrerr6 (3396)	—	—
1056	1071	16	xb_st1 dgcoderr7 (3401)	—	—
1072	1087	16	xb_st1 dgcpterrcla7 (3431)	—	—
1088	1119	32	xb_st1 dgdterr7 (3435)	—	—
1120	1151	32	xb_st1 dgadrerr7 (3396)	—	—
1152	1167	16	xb_st1 dgcoderr8 (3401)	—	—
1168	1183	16	xb_st1 dgcpterrcla8 (3431)	—	—
1184	1215	32	xb_st1 dgdterr8 (3435)	—	—
1216	1247	32	xb_st1 dgadrerr8 (3396)	—	—
1248	1263	16	xb_st1 dgcoderr9 (3401)	—	—
1264	1279	16	xb_st1 dgcpterrcla9 (3432)	—	—
1280	1311	32	xb_st1 dgdterr9 (3435)	—	—
1312	1343	32	xb_st1 dgadrerr9 (3397)	—	—
1344	1359	16	xb_st1 dgcoderr10 (3398)	—	—
1360	1375	16	xb_st1 dgcpterrcla10 (3429)	—	—
1376	1407	32	xb_st1 dgdterr10 (3432)	—	—
1408	1439	32	xb_st1 dgadrerr10 (3394)	—	—
1440	1455	16	xb_st1 dgressa9 (3446)	—	—
1456	1456	1	xb_st1 dgsainfonu2sa10 (3449)	—	—
1457	1457	1	xb_st1 dgfrmcntvlds10 (3440)	—	—
1458	1464	7	xb_st1 dgsainfonu1sa10 (3447)	—	—
1465	1471	7	xb_st1 dgfrmcntnumsa10 (3438)	—	—
1472	1487	16	xb_st1 dgcoderr11 (3399)	—	—
1488	1503	16	xb_st1 dgcpterrcla11 (3429)	—	—
1504	1535	32	xb_st1 dgdterr11 (3433)	—	—

Packet **xb_st1 dg_tlm_sid** Format, cont'd

start bit	stop bit	size bits	field		
1536	1567	32	xb_st1 dgadrerr11 (3394)	—	—
1568	1583	16	xb_st1 dgcpterr1 (3402)	—	—
1584	1599	16	xb_st1 dgcpterr2 (3405)	—	—
1600	1615	16	xb_st1 dgcpterr3 (3409)	—	—
1616	1631	16	xb_st1 dgcpterr4 (3413)	—	—
1632	1647	16	xb_st1 dgcpterr5 (3416)	—	—
1648	1663	16	xb_st1 dgcpterr6 (3420)	—	—
1664	1679	16	xb_st1 dgcpterr7 (3424)	—	—
1680	1695	16	xb_st1 dgcpterr8 (3427)	—	—
1696	1711	16	xb_st1 dgcpterr9 (3428)	—	—
1712	1727	16	xb_st1 dgcpterr10 (3402)	—	—
1728	1743	16	xb_st1 dgcpterr11 (3402)	—	—
1744	1759	16	xb_st1 dgcpterr12 (3403)	—	—
1760	1775	16	xb_st1 dgcpterr13 (3403)	—	—
1776	1791	16	xb_st1 dgcpterr14 (3403)	—	—
1792	1807	16	xb_st1 dgcpterr15 (3404)	—	—
1808	1823	16	xb_st1 dgcpterr16 (3404)	—	—
1824	1839	16	xb_st1 dgcpterr17 (3404)	—	—
1840	1855	16	xb_st1 dgcpterr18 (3405)	—	—
1856	1871	16	xb_st1 dgcpterr19 (3405)	—	—
1872	1887	16	xb_st1 dgcpterr20 (3406)	—	—
1888	1903	16	xb_st1 dgcpterr21 (3406)	—	—
1904	1919	16	xb_st1 dgcpterr22 (3406)	—	—
1920	1935	16	xb_st1 dgcpterr23 (3407)	—	—
1936	1951	16	xb_st1 dgcpterr24 (3407)	—	—
1952	1967	16	xb_st1 dgcpterr25 (3407)	—	—
1968	1968	1	xb_st1 dgsainfonu2sa11 (3449)	—	—
1969	1969	1	xb_st1 dgfrmcntvlds11 (3440)	—	—
1970	1976	7	xb_st1 dgsainfonu1sa11 (3447)	—	—
1977	1983	7	xb_st1 dgfrmcntnumsa11 (3438)	—	—
1984	1999	16	xb_st1 dgcpterr26 (3408)	—	—
2000	2015	16	xb_st1 dgcpterr27 (3408)	—	—
2016	2031	16	xb_st1 dgcpterr28 (3408)	—	—
2032	2047	16	xb_st1 dgcpterr29 (3409)	—	—
2048	2063	16	xb_st1 dgcpterr30 (3409)	—	—
2064	2079	16	xb_st1 dgcpterr31 (3410)	—	—
2080	2095	16	xb_st1 dgcpterr32 (3410)	—	—
2096	2111	16	xb_st1 dgcpterr33 (3410)	—	—
2112	2127	16	xb_st1 dgcpterr34 (3411)	—	—
2128	2143	16	xb_st1 dgcpterr35 (3411)	—	—
2144	2159	16	xb_st1 dgcpterr36 (3411)	—	—
2160	2175	16	xb_st1 dgcpterr37 (3412)	—	—
2176	2191	16	xb_st1 dgcpterr38 (3412)	—	—
2192	2207	16	xb_st1 dgcpterr39 (3412)	—	—
2208	2223	16	xb_st1 dgcpterr40 (3413)	—	—
2224	2239	16	xb_st1 dgcpterr41 (3413)	—	—
2240	2255	16	xb_st1 dgcpterr42 (3414)	—	—

Packet **xb_st1 dg_tlm_sid** Format, cont'd

start bit	stop bit	size bits	field		
2256	2271	16	xb_st1 dgcpterr43 (3414)	—	—
2272	2287	16	xb_st1 dgcpterr44 (3414)	—	—
2288	2303	16	xb_st1 dgcpterr45 (3415)	—	—
2304	2319	16	xb_st1 dgcpterr46 (3415)	—	—
2320	2335	16	xb_st1 dgcpterr47 (3415)	—	—
2336	2351	16	xb_st1 dgcpterr48 (3416)	—	—
2352	2367	16	xb_st1 dgcpterr49 (3416)	—	—
2368	2383	16	xb_st1 dgcpterr50 (3417)	—	—
2384	2399	16	xb_st1 dgcpterr51 (3417)	—	—
2400	2415	16	xb_st1 dgcpterr52 (3417)	—	—
2416	2431	16	xb_st1 dgcpterr53 (3418)	—	—
2432	2447	16	xb_st1 dgcpterr54 (3418)	—	—
2448	2463	16	xb_st1 dgcpterr55 (3418)	—	—
2464	2479	16	xb_st1 dgcpterr56 (3419)	—	—
2480	2480	1	xb_st1 dgsainfonu2sa12 (3449)	—	—
2481	2481	1	xb_st1 dgfrmcntvlds12 (3440)	—	—
2482	2488	7	xb_st1 dgsainfonu1sa12 (3447)	—	—
2489	2495	7	xb_st1 dgfrmcntnumsa12 (3438)	—	—
2496	2511	16	xb_st1 dgcpterr57 (3419)	—	—
2512	2527	16	xb_st1 dgcpterr58 (3419)	—	—
2528	2543	16	xb_st1 dgcpterr59 (3420)	—	—
2544	2559	16	xb_st1 dgcpterr60 (3420)	—	—
2560	2575	16	xb_st1 dgcpterr61 (3421)	—	—
2576	2591	16	xb_st1 dgcpterr62 (3421)	—	—
2592	2607	16	xb_st1 dgcpterr63 (3421)	—	—
2608	2623	16	xb_st1 dgcpterr64 (3422)	—	—
2624	2639	16	xb_st1 dgcpterr65 (3422)	—	—
2640	2655	16	xb_st1 dgcpterr66 (3422)	—	—
2656	2671	16	xb_st1 dgcpterr67 (3423)	—	—
2672	2687	16	xb_st1 dgcpterr68 (3423)	—	—
2688	2703	16	xb_st1 dgcpterr69 (3423)	—	—
2704	2719	16	xb_st1 dgcpterr70 (3424)	—	—
2720	2735	16	xb_st1 dgcpterr71 (3424)	—	—
2736	2751	16	xb_st1 dgcpterr72 (3425)	—	—
2752	2767	16	xb_st1 dgcpterr73 (3425)	—	—
2768	2783	16	xb_st1 dgcpterr74 (3425)	—	—
2784	2799	16	xb_st1 dgcpterr75 (3426)	—	—
2800	2815	16	xb_st1 dgcpterr76 (3426)	—	—
2816	2831	16	xb_st1 dgcpterr77 (3426)	—	—
2832	2847	16	xb_st1 dgcpterr78 (3427)	—	—
2848	2863	16	xb_st1 dgcpterr79 (3427)	—	—
2864	2879	16	xb_st1 dgcpterr80 (3428)	—	—

Packet size = 2880 bits (360 bytes) .

F.63 xb_st1 pointing_md**Packet Source Application Identifier**

0x609 (1545)

OASIS Stream Name

xb_st11545

Description

pointing mode for ST1

FormatPacket **xb_st1 pointing_md** Format

start bit	stop bit	size bits	field	control	method
0	367	368	xb strtfill20088 (3095)	–	–
368	3951	3584	xb endfill20088 (2958)	–	–

Packet size = 3952 bits (494 bytes) .

F.64 xb_st1 stat_action2

Packet Source Application Identifier

0x610 (1552)

OASIS Stream Name

xb.st11552

Description

Star Tracker 1 Status Action Data, 2nd 60 bytes

Format

Packet **xb_st1 stat_action2** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 stact2pad1padb0 (3465)	—	—
16	31	16	xb_st1 stact2pad1padb1 (3465)	—	—
32	47	16	xb_st1 stact2pad1padb2 (3466)	—	—
48	63	16	xb_st1 stact2pad1padb3 (3466)	—	—
64	79	16	xb_st1 stact2pad1padb4 (3466)	—	—
80	95	16	xb_st1 stact2pad1padb5 (3467)	—	—
96	111	16	xb_st1 stact2pad1padb6 (3467)	—	—
112	127	16	xb_st1 stathealthstat (3508)	—	—
128	159	32	xb_st1 statsecstat (3517)	—	—
160	166	7	xb_st1 statsp1stmatnu (3518)	—	—
167	167	1	xb_st1 statsp1stmatwd (3519)	—	—
168	175	8	xb_st1 statsp1stmatres (3518)	—	—
176	191	16	xb_st1 statsp2statmref (3519)	—	—
192	207	16	xb_st1 statsp2reftdel (3519)	—	—
208	223	16	xb_st1 statsp3 (3520)	—	—
224	239	16	xb_st1 statsp4 (3520)	—	—
240	255	16	xb_st1 statsp5 (3520)	—	—
256	271	16	xb_st1 statsp6 (3521)	—	—
272	287	16	xb_st1 statsp7 (3521)	—	—
288	303	16	xb_st1 statsp8 (3521)	—	—
304	319	16	xb_st1 statsp9 (3522)	—	—
320	335	16	xb_st1 statsp10 (3518)	—	—
336	367	32	xb_st1 statsyndefd (3524)	—	—
368	399	32	xb_st1 stactact2pad2pd0 (3471)	—	—
400	431	32	xb_st1 stactact2pad2pd1 (3472)	—	—
432	463	32	xb_st1 stactact2pad2pd2 (3475)	—	—
464	495	32	xb_st1 stactact2pad2pd3 (3479)	—	—
496	527	32	xb_st1 stactact2pad2pd4 (3483)	—	—
528	559	32	xb_st1 stactact2pad2pd5 (3486)	—	—
560	591	32	xb_st1 stactact2pad2pd6 (3490)	—	—
592	623	32	xb_st1 stactact2pad2pd7 (3494)	—	—
624	655	32	xb_st1 stactact2pad2pd8 (3497)	—	—
656	687	32	xb_st1 stactact2pad2pd9 (3501)	—	—
688	719	32	xb_st1 stactact2pad2pd10 (3472)	—	—

Packet **xb_st1 stat_action2** Format, cont'd

start bit	stop bit	size bits	field		
720	751	32	xb_st1 stactact2pad2pd11 (3472)	—	—
752	783	32	xb_st1 stactact2pad2pd12 (3473)	—	—
784	815	32	xb_st1 stactact2pad2pd13 (3473)	—	—
816	847	32	xb_st1 stactact2pad2pd14 (3473)	—	—
848	879	32	xb_st1 stactact2pad2pd15 (3474)	—	—
880	911	32	xb_st1 stactact2pad2pd16 (3474)	—	—
912	943	32	xb_st1 stactact2pad2pd17 (3474)	—	—
944	975	32	xb_st1 stactact2pad2pd18 (3475)	—	—
976	1007	32	xb_st1 stactact2pad2pd19 (3475)	—	—
1008	1039	32	xb_st1 stactact2pad2pd20 (3476)	—	—
1040	1071	32	xb_st1 stactact2pad2pd21 (3476)	—	—
1072	1103	32	xb_st1 stactact2pad2pd22 (3476)	—	—
1104	1135	32	xb_st1 stactact2pad2pd23 (3477)	—	—
1136	1167	32	xb_st1 stactact2pad2pd24 (3477)	—	—
1168	1199	32	xb_st1 stactact2pad2pd25 (3477)	—	—
1200	1231	32	xb_st1 stactact2pad2pd26 (3478)	—	—
1232	1263	32	xb_st1 stactact2pad2pd27 (3478)	—	—
1264	1295	32	xb_st1 stactact2pad2pd28 (3478)	—	—
1296	1327	32	xb_st1 stactact2pad2pd29 (3479)	—	—
1328	1359	32	xb_st1 stactact2pad2pd30 (3479)	—	—
1360	1391	32	xb_st1 stactact2pad2pd31 (3480)	—	—
1392	1423	32	xb_st1 stactact2pad2pd32 (3480)	—	—
1424	1455	32	xb_st1 stactact2pad2pd33 (3480)	—	—
1456	1487	32	xb_st1 stactact2pad2pd34 (3481)	—	—
1488	1519	32	xb_st1 stactact2pad2pd35 (3481)	—	—
1520	1551	32	xb_st1 stactact2pad2pd36 (3481)	—	—
1552	1583	32	xb_st1 stactact2pad2pd37 (3482)	—	—
1584	1615	32	xb_st1 stactact2pad2pd38 (3482)	—	—
1616	1647	32	xb_st1 stactact2pad2pd39 (3482)	—	—
1648	1679	32	xb_st1 stactact2pad2pd40 (3483)	—	—
1680	1711	32	xb_st1 stactact2pad2pd41 (3483)	—	—
1712	1743	32	xb_st1 stactact2pad2pd42 (3484)	—	—
1744	1775	32	xb_st1 stactact2pad2pd43 (3484)	—	—
1776	1807	32	xb_st1 stactact2pad2pd44 (3484)	—	—
1808	1839	32	xb_st1 stactact2pad2pd45 (3485)	—	—
1840	1871	32	xb_st1 stactact2pad2pd46 (3485)	—	—
1872	1903	32	xb_st1 stactact2pad2pd47 (3485)	—	—
1904	1935	32	xb_st1 stactact2pad2pd48 (3486)	—	—
1936	1967	32	xb_st1 stactact2pad2pd49 (3486)	—	—
1968	1999	32	xb_st1 stactact2pad2pd50 (3487)	—	—
2000	2031	32	xb_st1 stactact2pad2pd51 (3487)	—	—
2032	2063	32	xb_st1 stactact2pad2pd52 (3487)	—	—
2064	2095	32	xb_st1 stactact2pad2pd53 (3488)	—	—
2096	2127	32	xb_st1 stactact2pad2pd54 (3488)	—	—
2128	2159	32	xb_st1 stactact2pad2pd55 (3488)	—	—
2160	2191	32	xb_st1 stactact2pad2pd56 (3489)	—	—
2192	2223	32	xb_st1 stactact2pad2pd57 (3489)	—	—

Packet **xb_st1 stat_action2** Format, cont'd

start bit	stop bit	size bits	field		
2224	2255	32	xb_st1 stactact2pad2pd58 (3489)	—	—
2256	2287	32	xb_st1 stactact2pad2pd59 (3490)	—	—
2288	2319	32	xb_st1 stactact2pad2pd60 (3490)	—	—
2320	2351	32	xb_st1 stactact2pad2pd61 (3491)	—	—
2352	2383	32	xb_st1 stactact2pad2pd62 (3491)	—	—
2384	2415	32	xb_st1 stactact2pad2pd63 (3491)	—	—
2416	2447	32	xb_st1 stactact2pad2pd64 (3492)	—	—
2448	2479	32	xb_st1 stactact2pad2pd65 (3492)	—	—
2480	2511	32	xb_st1 stactact2pad2pd66 (3492)	—	—
2512	2543	32	xb_st1 stactact2pad2pd67 (3493)	—	—
2544	2575	32	xb_st1 stactact2pad2pd68 (3493)	—	—
2576	2607	32	xb_st1 stactact2pad2pd69 (3493)	—	—
2608	2639	32	xb_st1 stactact2pad2pd70 (3494)	—	—
2640	2671	32	xb_st1 stactact2pad2pd71 (3494)	—	—
2672	2703	32	xb_st1 stactact2pad2pd72 (3495)	—	—
2704	2735	32	xb_st1 stactact2pad2pd73 (3495)	—	—
2736	2767	32	xb_st1 stactact2pad2pd74 (3495)	—	—
2768	2799	32	xb_st1 stactact2pad2pd75 (3496)	—	—
2800	2831	32	xb_st1 stactact2pad2pd76 (3496)	—	—
2832	2863	32	xb_st1 stactact2pad2pd77 (3496)	—	—
2864	2895	32	xb_st1 stactact2pad2pd78 (3497)	—	—
2896	2927	32	xb_st1 stactact2pad2pd79 (3497)	—	—
2928	2959	32	xb_st1 stactact2pad2pd80 (3498)	—	—
2960	2991	32	xb_st1 stactact2pad2pd81 (3498)	—	—
2992	3023	32	xb_st1 stactact2pad2pd82 (3498)	—	—
3024	3055	32	xb_st1 stactact2pad2pd83 (3499)	—	—
3056	3087	32	xb_st1 stactact2pad2pd84 (3499)	—	—
3088	3119	32	xb_st1 stactact2pad2pd85 (3499)	—	—
3120	3151	32	xb_st1 stactact2pad2pd86 (3500)	—	—
3152	3183	32	xb_st1 stactact2pad2pd87 (3500)	—	—
3184	3215	32	xb_st1 stactact2pad2pd88 (3500)	—	—
3216	3247	32	xb_st1 stactact2pad2pd89 (3501)	—	—
3248	3279	32	xb_st1 stactact2pad2pd90 (3501)	—	—
3280	3311	32	xb_st1 stactact2pad2pd91 (3502)	—	—
3312	3343	32	xb_st1 stactact2pad2pd92 (3502)	—	—
3344	3375	32	xb_st1 stactact2pad2pd93 (3502)	—	—
3376	3407	32	xb_st1 stactact2pad2pd94 (3503)	—	—
3408	3439	32	xb_st1 stactact2pad2pd95 (3503)	—	—
3440	3471	32	xb_st1 stactact2pad2pd96 (3503)	—	—
3472	3503	32	xb_st1 stactact2pad2pd97 (3504)	—	—
3504	3535	32	xb_st1 stactact2pad2pd98 (3504)	—	—
3536	3567	32	xb_st1 stactact2pad2pd99 (3504)	—	—
3568	3599	32	xb_st1 stactact2pad2pd100 (3467)	—	—
3600	3631	32	xb_st1 stactact2pad2pd101 (3468)	—	—
3632	3663	32	xb_st1 stactact2pad2pd102 (3468)	—	—
3664	3695	32	xb_st1 stactact2pad2pd103 (3468)	—	—
3696	3727	32	xb_st1 stactact2pad2pd104 (3469)	—	—

Packet **xb_st1 stat_action2** Format, cont'd

start bit	stop bit	size bits	field		
3728	3759	32	xb_st1 stact2pad2pd105 (3469)	—	—
3760	3791	32	xb_st1 stact2pad2pd106 (3469)	—	—
3792	3823	32	xb_st1 stact2pad2pd107 (3470)	—	—
3824	3855	32	xb_st1 stact2pad2pd108 (3470)	—	—
3856	3887	32	xb_st1 stact2pad2pd109 (3470)	—	—
3888	3919	32	xb_st1 stact2pad2pd110 (3471)	—	—
3920	3951	32	xb_st1 stact2pad2pd111 (3471)	—	—

Packet size = 3952 bits (494 bytes) .

F.65 xb_st1 tlm

Packet Source Application Identifier

0x145 (325)

OASIS Stream Name

xb.st1325

Description

Star Tracker 1 tlm

Format

Packet **xb_st1 tlm** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 tlm pid (3605)	—	—
16	17	2	xb_st1 tlm sflg (3606)	—	—
18	31	14	xb_st1 tlm sct (3606)	—	—
32	47	16	xb_st1 tlm pl (3606)	—	—
48	63	16	xb_st1 tlm hws (3604)	—	—
64	79	16	xb_st1 tlm lws (3605)	—	—
80	95	16	xb_st1 tlm hwss (3604)	—	—
96	111	16	xb_st1 tlm lwss (3605)	—	—
112	117	6	xb_st1 stat hsnu (3508)	—	—
118	118	1	xb_st1 stat secvoltfl (3517)	—	—
119	119	1	xb_st1 stat strfl (3522)	—	—
120	120	1	xb_st1 stat wd (3528)	—	—
121	121	1	xb_st1 stat rtexfl (3517)	—	—
122	122	1	xb_st1 stat swmodfl (3523)	—	—
123	123	1	xb_st1 stat effl (3529)	—	—
124	124	1	xb_st1 stat ramfl (3515)	—	—
125	125	1	xb_st1 stat cpuf (3506)	—	—
126	126	1	xb_st1 stat hwinitfl (3509)	—	—
127	127	1	xb_st1 stat swinitfl (3523)	—	—
128	137	10	xb_st1 stat resbts (3516)	—	—
138	143	6	xb_st1 stat fatalerrclas (3507)	—	—
144	144	1	xb_st1 stat analogtlmalm (3505)	—	—
145	149	5	xb_st1 stat anomrecovcnt (3505)	—	—
150	150	1	xb_st1 stat maintreq (3509)	—	—
151	155	5	xb_st1 stat curmd (3507)	—	—
156	156	1	xb_st1 stat ptorder (3515)	—	—
157	157	1	xb_st1 stat calpara (3505)	—	—
158	158	1	xb_st1 stat cmdvld (3506)	—	—
159	159	1	xb_st1 stat reccmd (3515)	—	—
160	166	7	xb_st1 stat matnu (3510)	—	—
167	167	1	xb_st1 stat matwd (3510)	—	—
168	175	8	xb_st1 stat matres (3510)	—	—
176	191	16	xb_st1 stat statmref (3522)	—	—
192	207	16	xb_st1 stat reftdel (3516)	—	—

Packet **xb_st1 tlm** Format, cont'd

start bit	stop bit	size bits	field		
208	223	16	xb_st1 stattpobjmes (3527)	—	—
224	239	16	xb_st1 stattpelemes (3526)	—	—
240	255	16	xb_st1 stattpccdmes (3526)	—	—
256	271	16	xb_st1 statmesp5v (3511)	—	—
272	287	16	xb_st1 statmesm5v (3511)	—	—
288	303	16	xb_st1 statmesvccd (3512)	—	—
304	319	16	xb_st1 statmesvclk (3513)	—	—
320	335	16	xb_st1 statmesvpel (3514)	—	—
336	351	16	xb_st1 statsynnu2 (3524)	—	—
352	360	9	xb_st1 statsynnu1 (3524)	—	—
361	361	1	xb_st1 stclktenvclkalm (3529)	—	—
362	362	1	xb_st1 stplrtenvccdalm (3529)	—	—
363	363	1	xb_st1 stattemm5valm (3525)	—	—
364	364	1	xb_st1 stattemp5valm (3525)	—	—
365	365	1	xb_st1 stxcdtheletmp (3586)	—	—
366	366	1	xb_st1 stxcdlenstmp (3586)	—	—
367	367	1	xb_st1 stxcdthccdtmp (3586)	—	—
368	3951	3584	xb endfill20021 (2957)	—	—

Packet size = 3952 bits (494 bytes) .

F.66 xb_st1 trk_tlm

Packet Source Application Identifier

0x60a (1546)

OASIS Stream Name

xb.st11546

Description

Star Tracker 1 Autonomous Tracking Telemetry

Format

Packet **xb_st1 trk_tlm** Format

start bit	stop bit	size bits	field	control	method
0	367	368	xb_strtfill20089 (3096)	—	—
368	368	1	xb_st1 trksainfonu2sa13 (3654)	—	—
369	369	1	xb_st1 tfrmcntvlds13 (3589)	—	—
370	376	7	xb_st1 trksainfonu1sa13 (3652)	—	—
377	383	7	xb_st1 tfrmcntnumsa13 (3587)	—	—
384	399	16	xb_st1 idtm (3456)	—	—
400	406	7	xb_st1 trksptcnu (3693)	—	—
407	407	1	xb_st1 trkstrpropcalc (3694)	—	—
408	408	1	xb_st1 trkupcmdvelvec (3695)	—	—
409	409	1	xb_st1 trksevelvec (3656)	—	—
410	410	1	xb_st1 trkesvelvec (3613)	—	—
411	411	1	xb_st1 trkjulprop (3615)	—	—
412	412	1	xb_st1 trkabercrct (3607)	—	—
413	413	1	xb_st1 trkpreccrct (3631)	—	—
414	414	1	xb_st1 trkstrposprop (3693)	—	—
415	415	1	xb_st1 trksptcbmdact (3692)	—	—
416	422	7	xb_st1 trkpanu (3630)	—	—
423	423	1	xb_st1 trkincosevel (3614)	—	—
424	424	1	xb_st1 trkincoattqual (3614)	—	—
425	425	1	xb_st1 trkarithomegaerr (3612)	—	—
426	426	1	xb_st1 trkincostrqual (3614)	—	—
427	427	1	xb_st1 trknumattfault (3630)	—	—
428	428	1	xb_st1 trkpresmoon (3631)	—	—
429	429	1	xb_st1 trkexpnumsm1 (3613)	—	—
430	430	1	xb_st1 trkmesnumsm1 (3629)	—	—
431	431	1	xb_st1 trkattdifflarge (3612)	—	—
432	447	16	xb_st1 trknbetoatt (3629)	—	—
448	463	16	xb_st1 trknbetocoh (3630)	—	—
464	479	16	xb_st1 trkstatmrcnt (3693)	—	—
480	495	16	xb_st1 trkrefttmdel (3633)	—	—
496	511	16	xb_st1 trkqiexym (3615)	—	—
512	527	16	xb_st1 trkqizm (3615)	—	—
528	591	64	xb_st1 trkqrve1 (3632)	—	—
592	655	64	xb_st1 trkqrve2 (3632)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
656	719	64	xb_st1 trkqrve3 (3632)	—	—
720	783	64	xb_st1 trkqrve4 (3633)	—	—
784	815	32	xb_st1 trkwxve (3695)	—	—
816	847	32	xb_st1 trkwyve (3695)	—	—
848	879	32	xb_st1 trkwzve (3696)	—	—
880	880	1	xb_st1 trksainfonu2sa14 (3654)	—	—
881	881	1	xb_st1 tfrmcntvlds14 (3590)	—	—
882	888	7	xb_st1 trksainfonu1sa14 (3652)	—	—
889	895	7	xb_st1 tfrmcntnumsa14 (3587)	—	—
896	898	3	xb_st1 str1stetasp (3536)	—	—
899	899	1	xb_st1 str1stoutfov (3538)	—	—
900	900	1	xb_st1 str1ststraylrg (3539)	—	—
901	901	1	xb_st1 str1numpixlsm1 (3534)	—	—
902	902	1	xb_st1 str1stdifmeslrg (3535)	—	—
903	903	1	xb_st1 str1stoutcohd1 (3537)	—	—
904	904	1	xb_st1 str1stlowsignal (3536)	—	—
905	905	1	xb_st1 str1stsatpix (3538)	—	—
906	906	1	xb_st1 str1stdefpix (3535)	—	—
907	907	1	xb_st1 str1stna2 (3537)	—	—
908	908	1	xb_st1 str1stna1 (3536)	—	—
909	909	1	xb_st1 str1stovrlap (3538)	—	—
910	910	1	xb_st1 str1outdom (3535)	—	—
911	911	1	xb_st1 str1stn1mes (3537)	—	—
912	914	3	xb_st1 str2stetasp (3540)	—	—
915	915	1	xb_st1 str2stoutfov (3542)	—	—
916	916	1	xb_st1 str2ststraylrg (3543)	—	—
917	917	1	xb_st1 str2numpixlsm1 (3539)	—	—
918	918	1	xb_st1 str2stdifmeslrg (3540)	—	—
919	919	1	xb_st1 str2stoutcohd1 (3542)	—	—
920	920	1	xb_st1 str2stlowsignal (3541)	—	—
921	921	1	xb_st1 str2stsatpix (3543)	—	—
922	922	1	xb_st1 str2stdefpix (3540)	—	—
923	923	1	xb_st1 str2stna2 (3541)	—	—
924	924	1	xb_st1 str2stna1 (3541)	—	—
925	925	1	xb_st1 str2stovrlap (3543)	—	—
926	926	1	xb_st1 str2outdom (3539)	—	—
927	927	1	xb_st1 str2stn1mes (3542)	—	—
928	930	3	xb_st1 str3stetasp (3545)	—	—
931	931	1	xb_st1 str3stoutfov (3547)	—	—
932	932	1	xb_st1 str3ststraylrg (3548)	—	—
933	933	1	xb_st1 str3numpixlsm1 (3544)	—	—
934	934	1	xb_st1 str3stdifmeslrg (3545)	—	—
935	935	1	xb_st1 str3stoutcohd1 (3547)	—	—
936	936	1	xb_st1 str3stlowsignal (3545)	—	—
937	937	1	xb_st1 str3stsatpix (3548)	—	—
938	938	1	xb_st1 str3stdefpix (3544)	—	—
939	939	1	xb_st1 str3stna2 (3546)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
940	940	1	xb_st1 str3stna1 (3546)	—	—
941	941	1	xb_st1 str3stovrlap (3547)	—	—
942	942	1	xb_st1 str3outdom (3544)	—	—
943	943	1	xb_st1 str3stnomes (3546)	—	—
944	946	3	xb_st1 str4stetasp (3550)	—	—
947	947	1	xb_st1 str4stoutfov (3552)	—	—
948	948	1	xb_st1 str4ststraylrg (3553)	—	—
949	949	1	xb_st1 str4numpixlsm (3548)	—	—
950	950	1	xb_st1 str4stdifmeslrg (3549)	—	—
951	951	1	xb_st1 str4stoutcohd (3551)	—	—
952	952	1	xb_st1 str4stlowsignal (3550)	—	—
953	953	1	xb_st1 str4stsatpix (3552)	—	—
954	954	1	xb_st1 str4stdefpix (3549)	—	—
955	955	1	xb_st1 str4stna2 (3551)	—	—
956	956	1	xb_st1 str4stna1 (3550)	—	—
957	957	1	xb_st1 str4stovrlap (3552)	—	—
958	958	1	xb_st1 str4outdom (3549)	—	—
959	959	1	xb_st1 str4stnomes (3551)	—	—
960	962	3	xb_st1 str5stetasp (3554)	—	—
963	963	1	xb_st1 str5stoutfov (3556)	—	—
964	964	1	xb_st1 str5ststraylrg (3557)	—	—
965	965	1	xb_st1 str5numpixlsm (3553)	—	—
966	966	1	xb_st1 str5stdifmeslrg (3554)	—	—
967	967	1	xb_st1 str5stoutcohd (3556)	—	—
968	968	1	xb_st1 str5stlowsignal (3555)	—	—
969	969	1	xb_st1 str5stsatpix (3557)	—	—
970	970	1	xb_st1 str5stdefpix (3554)	—	—
971	971	1	xb_st1 str5stna2 (3555)	—	—
972	972	1	xb_st1 str5stna1 (3555)	—	—
973	973	1	xb_st1 str5stovrlap (3557)	—	—
974	974	1	xb_st1 str5outdom (3553)	—	—
975	975	1	xb_st1 str5stnomes (3556)	—	—
976	978	3	xb_st1 str6stetasp (3559)	—	—
979	979	1	xb_st1 str6stoutfov (3561)	—	—
980	980	1	xb_st1 str6ststraylrg (3562)	—	—
981	981	1	xb_st1 str6numpixlsm (3558)	—	—
982	982	1	xb_st1 str6stdifmeslrg (3559)	—	—
983	983	1	xb_st1 str6stoutcohd (3561)	—	—
984	984	1	xb_st1 str6stlowsignal (3559)	—	—
985	985	1	xb_st1 str6stsatpix (3562)	—	—
986	986	1	xb_st1 str6stdefpix (3558)	—	—
987	987	1	xb_st1 str6stna2 (3560)	—	—
988	988	1	xb_st1 str6stna1 (3560)	—	—
989	989	1	xb_st1 str6stovrlap (3561)	—	—
990	990	1	xb_st1 str6outdom (3558)	—	—
991	991	1	xb_st1 str6stnomes (3560)	—	—
992	994	3	xb_st1 str7stetasp (3564)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
995	995	1	xb_st1 str7stoutfov (3566)	—	—
996	996	1	xb_st1 str7ststraylrg (3567)	—	—
997	997	1	xb_st1 str7numpixlsm (3562)	—	—
998	998	1	xb_st1 str7stdifmeslrg (3563)	—	—
999	999	1	xb_st1 str7stoutcohd (3565)	—	—
1000	1000	1	xb_st1 str7stlowsignal (3564)	—	—
1001	1001	1	xb_st1 str7stsatpix (3566)	—	—
1002	1002	1	xb_st1 str7stdefpix (3563)	—	—
1003	1003	1	xb_st1 str7stna2 (3565)	—	—
1004	1004	1	xb_st1 str7stna1 (3564)	—	—
1005	1005	1	xb_st1 str7stovrlap (3566)	—	—
1006	1006	1	xb_st1 str7outdom (3563)	—	—
1007	1007	1	xb_st1 str7stnmes (3565)	—	—
1008	1010	3	xb_st1 str8stetasp (3568)	—	—
1011	1011	1	xb_st1 str8stoutfov (3570)	—	—
1012	1012	1	xb_st1 str8ststraylrg (3571)	—	—
1013	1013	1	xb_st1 str8numpixlsm (3567)	—	—
1014	1014	1	xb_st1 str8stdifmeslrg (3568)	—	—
1015	1015	1	xb_st1 str8stoutcohd (3570)	—	—
1016	1016	1	xb_st1 str8stlowsignal (3569)	—	—
1017	1017	1	xb_st1 str8stsatpix (3571)	—	—
1018	1018	1	xb_st1 str8stdefpix (3568)	—	—
1019	1019	1	xb_st1 str8stna2 (3569)	—	—
1020	1020	1	xb_st1 str8stna1 (3569)	—	—
1021	1021	1	xb_st1 str8stovrlap (3571)	—	—
1022	1022	1	xb_st1 str8outdom (3567)	—	—
1023	1023	1	xb_st1 str8stnmes (3570)	—	—
1024	1026	3	xb_st1 str9stetasp (3573)	—	—
1027	1027	1	xb_st1 str9stoutfov (3575)	—	—
1028	1028	1	xb_st1 str9ststraylrg (3576)	—	—
1029	1029	1	xb_st1 str9numpixlsm (3572)	—	—
1030	1030	1	xb_st1 str9stdifmeslrg (3573)	—	—
1031	1031	1	xb_st1 str9stoutcohd (3575)	—	—
1032	1032	1	xb_st1 str9stlowsignal (3573)	—	—
1033	1033	1	xb_st1 str9stsatpix (3576)	—	—
1034	1034	1	xb_st1 str9stdefpix (3572)	—	—
1035	1035	1	xb_st1 str9stna2 (3574)	—	—
1036	1036	1	xb_st1 str9stna1 (3574)	—	—
1037	1037	1	xb_st1 str9stovrlap (3575)	—	—
1038	1038	1	xb_st1 str9outdom (3572)	—	—
1039	1039	1	xb_st1 str9stnmes (3574)	—	—
1040	1042	3	xb_st1 str10stetasp (3531)	—	—
1043	1043	1	xb_st1 str10stoutfov (3533)	—	—
1044	1044	1	xb_st1 str10ststraylrg (3534)	—	—
1045	1045	1	xb_st1 str10numpixlsm (3530)	—	—
1046	1046	1	xb_st1 str10stdifmeslrg (3531)	—	—
1047	1047	1	xb_st1 str10stoutcohd (3533)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
1048	1048	1	xb_st1 str10stlowsignal (3531)	—	—
1049	1049	1	xb_st1 str10stsatpix (3534)	—	—
1050	1050	1	xb_st1 str10stdefpix (3530)	—	—
1051	1051	1	xb_st1 str10stna2 (3532)	—	—
1052	1052	1	xb_st1 str10stna1 (3532)	—	—
1053	1053	1	xb_st1 str10stovrlap (3533)	—	—
1054	1054	1	xb_st1 str10outdom (3530)	—	—
1055	1055	1	xb_st1 str10stnomes (3532)	—	—
1056	1071	16	xb_st1 trkmagmes1 (3622)	—	—
1072	1087	16	xb_st1 trkmagmes2 (3624)	—	—
1088	1103	16	xb_st1 trkmagmes3 (3624)	—	—
1104	1119	16	xb_st1 trkmagmes4 (3625)	—	—
1120	1135	16	xb_st1 trkmagmes5 (3626)	—	—
1136	1151	16	xb_st1 trkmagmes6 (3626)	—	—
1152	1167	16	xb_st1 trkmagmes7 (3627)	—	—
1168	1183	16	xb_st1 trkmagmes8 (3628)	—	—
1184	1199	16	xb_st1 trkmagmes9 (3628)	—	—
1200	1215	16	xb_st1 trkmagmes10 (3623)	—	—
1216	1231	16	xb_st1 trkmagatt1 (3616)	—	—
1232	1247	16	xb_st1 trkmagatt2 (3617)	—	—
1248	1263	16	xb_st1 trkmagatt3 (3618)	—	—
1264	1279	16	xb_st1 trkmagatt4 (3618)	—	—
1280	1295	16	xb_st1 trkmagatt5 (3619)	—	—
1296	1311	16	xb_st1 trkmagatt6 (3620)	—	—
1312	1327	16	xb_st1 trkmagatt7 (3620)	—	—
1328	1343	16	xb_st1 trkmagatt8 (3621)	—	—
1344	1359	16	xb_st1 trkmagatt9 (3622)	—	—
1360	1375	16	xb_st1 trkmagatt10 (3616)	—	—
1376	1391	16	xb_st1 trkres (3634)	—	—
1392	1392	1	xb_st1 trksainfonu2sa15 (3655)	—	—
1393	1393	1	xb_st1 tfrmcntvlds15 (3590)	—	—
1394	1400	7	xb_st1 trksainfonu1sa15 (3652)	—	—
1401	1407	7	xb_st1 tfrmcntnumsa15 (3588)	—	—
1408	1439	32	xb_st1 trkxve1 (3700)	—	—
1440	1471	32	xb_st1 trkyve1 (3707)	—	—
1472	1503	32	xb_st1 trkzve1 (3714)	—	—
1504	1535	32	xb_st1 trkxcatt1 (3696)	—	—
1536	1567	32	xb_st1 trkycatt1 (3703)	—	—
1568	1599	32	xb_st1 trkzcatt1 (3710)	—	—
1600	1631	32	xb_st1 trkxve2 (3700)	—	—
1632	1663	32	xb_st1 trkyve2 (3707)	—	—
1664	1695	32	xb_st1 trkzve2 (3714)	—	—
1696	1727	32	xb_st1 trkxcatt2 (3697)	—	—
1728	1759	32	xb_st1 trkycatt2 (3704)	—	—
1760	1791	32	xb_st1 trkzcatt2 (3711)	—	—
1792	1823	32	xb_st1 trkxve3 (3701)	—	—
1824	1855	32	xb_st1 trkyve3 (3708)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
1856	1887	32	xb_st1 trkzve3 (3715)	—	—
1888	1903	16	xb_st1 trkres2 (3634)	—	—
1904	1904	1	xb_st1 trksainfonu2sa16 (3655)	—	—
1905	1905	1	xb_st1 tfrmcntvlds16 (3591)	—	—
1906	1912	7	xb_st1 trksainfonu1sa16 (3653)	—	—
1913	1919	7	xb_st1 tfrmcntnumsa16 (3588)	—	—
1920	1951	32	xb_st1 trkxcatt3 (3697)	—	—
1952	1983	32	xb_st1 trkycatt3 (3704)	—	—
1984	2015	32	xb_st1 trkzcatt3 (3711)	—	—
2016	2047	32	xb_st1 trkxve4 (3701)	—	—
2048	2079	32	xb_st1 trkyve4 (3708)	—	—
2080	2111	32	xb_st1 trkzve4 (3715)	—	—
2112	2143	32	xb_st1 trkxcatt4 (3698)	—	—
2144	2175	32	xb_st1 trkycatt4 (3705)	—	—
2176	2207	32	xb_st1 trkzcatt4 (3712)	—	—
2208	2239	32	xb_st1 trkxve5 (3701)	—	—
2240	2271	32	xb_st1 trkyve5 (3708)	—	—
2272	2303	32	xb_st1 trkzve5 (3715)	—	—
2304	2335	32	xb_st1 trkxcatt5 (3698)	—	—
2336	2367	32	xb_st1 trkycatt5 (3705)	—	—
2368	2399	32	xb_st1 trkzcatt5 (3712)	—	—
2400	2415	16	xb_st1 trkres3 (3634)	—	—
2416	2416	1	xb_st1 trksainfonu2sa17 (3655)	—	—
2417	2417	1	xb_st1 tfrmcntvlds17 (3591)	—	—
2418	2424	7	xb_st1 trksainfonu1sa17 (3653)	—	—
2425	2431	7	xb_st1 tfrmcntnumsa17 (3588)	—	—
2432	2463	32	xb_st1 trkxve6 (3702)	—	—
2464	2495	32	xb_st1 trkyve6 (3709)	—	—
2496	2527	32	xb_st1 trkzve6 (3716)	—	—
2528	2559	32	xb_st1 trkxcatt6 (3698)	—	—
2560	2591	32	xb_st1 trkycatt6 (3705)	—	—
2592	2623	32	xb_st1 trkzcatt6 (3712)	—	—
2624	2655	32	xb_st1 trkxve7 (3702)	—	—
2656	2687	32	xb_st1 trkyve7 (3709)	—	—
2688	2719	32	xb_st1 trkzve7 (3716)	—	—
2720	2751	32	xb_st1 trkxcatt7 (3699)	—	—
2752	2783	32	xb_st1 trkycatt7 (3706)	—	—
2784	2815	32	xb_st1 trkzcatt7 (3713)	—	—
2816	2847	32	xb_st1 trkxve8 (3702)	—	—
2848	2879	32	xb_st1 trkyve8 (3709)	—	—
2880	2911	32	xb_st1 trkzve8 (3716)	—	—
2912	2927	16	xb_st1 trkres4 (3635)	—	—
2928	2928	1	xb_st1 trksainfonu2sa18 (3656)	—	—
2929	2929	1	xb_st1 tfrmcntvlds18 (3591)	—	—
2930	2936	7	xb_st1 trksainfonu1sa18 (3653)	—	—
2937	2943	7	xb_st1 tfrmcntnumsa18 (3589)	—	—
2944	2975	32	xb_st1 trkxcatt8 (3699)	—	—

Packet **xb_st1 trk_tlm** Format, cont'd

start bit	stop bit	size bits	field		
2976	3007	32	xb_st1 trkycatt8 (3706)	—	—
3008	3039	32	xb_st1 trkzcatt8 (3713)	—	—
3040	3071	32	xb_st1 trkxve9 (3703)	—	—
3072	3103	32	xb_st1 trkyve9 (3710)	—	—
3104	3135	32	xb_st1 trkzve9 (3717)	—	—
3136	3167	32	xb_st1 trkxcatt9 (3699)	—	—
3168	3199	32	xb_st1 trkycatt9 (3706)	—	—
3200	3231	32	xb_st1 trkzcatt9 (3713)	—	—
3232	3263	32	xb_st1 trkxve10 (3700)	—	—
3264	3295	32	xb_st1 trkyve10 (3707)	—	—
3296	3327	32	xb_st1 trkzve10 (3714)	—	—
3328	3359	32	xb_st1 trkxcatt10 (3697)	—	—
3360	3391	32	xb_st1 trkycatt10 (3704)	—	—
3392	3423	32	xb_st1 trkzcatt10 (3711)	—	—
3424	3439	16	xb_st1 trkres5 (3635)	—	—
3440	3440	1	xb_st1 trksainfonu2sa19 (3656)	—	—
3441	3441	1	xb_st1 tfrmcntvlds19 (3592)	—	—
3442	3448	7	xb_st1 trksainfonu1sa19 (3654)	—	—
3449	3455	7	xb_st1 tfrmcntnumsa19 (3589)	—	—
3456	3487	32	xb_st1 trkxc (3696)	—	—
3488	3519	32	xb_st1 trkyc (3703)	—	—
3520	3551	32	xb_st1 trkzc (3710)	—	—
3552	3567	16	xb_st1 trkresb1 (3635)	—	—
3568	3583	16	xb_st1 trkresb2 (3639)	—	—
3584	3599	16	xb_st1 trkresb3 (3641)	—	—
3600	3615	16	xb_st1 trkresb4 (3642)	—	—
3616	3631	16	xb_st1 trkresb5 (3642)	—	—
3632	3647	16	xb_st1 trkresb6 (3642)	—	—
3648	3663	16	xb_st1 trkresb7 (3643)	—	—
3664	3679	16	xb_st1 trkresb8 (3643)	—	—
3680	3695	16	xb_st1 trkresb9 (3643)	—	—
3696	3711	16	xb_st1 trkresb10 (3636)	—	—
3712	3727	16	xb_st1 trkresb11 (3636)	—	—
3728	3743	16	xb_st1 trkresb12 (3636)	—	—
3744	3759	16	xb_st1 trkresb13 (3637)	—	—
3760	3775	16	xb_st1 trkresb14 (3637)	—	—
3776	3791	16	xb_st1 trkresb15 (3637)	—	—
3792	3807	16	xb_st1 trkresb16 (3638)	—	—
3808	3823	16	xb_st1 trkresb17 (3638)	—	—
3824	3839	16	xb_st1 trkresb18 (3638)	—	—
3840	3855	16	xb_st1 trkresb19 (3639)	—	—
3856	3871	16	xb_st1 trkresb20 (3639)	—	—
3872	3887	16	xb_st1 trkresb21 (3640)	—	—
3888	3903	16	xb_st1 trkresb22 (3640)	—	—
3904	3919	16	xb_st1 trkresb23 (3640)	—	—
3920	3935	16	xb_st1 trkresb24 (3641)	—	—
3936	3951	16	xb_st1 trkresb25 (3641)	—	—

Packet size = 3952 bits (494 bytes) .

F.67 xb_st1 trk_tlm_action2

Packet Source Application Identifier

0x612 (1554)

OASIS Stream Name

xb_st11554

Description

Star Tracker 1 Tracking Telemetry Action Data, 2nd 60 bytes

Format

Packet **xb_st1 trk_tlm_action2** Format

start bit	stop bit	size bits	field	control	method
0	15	16	xb_st1 trkact2pad1padb0 (3607)	—	—
16	31	16	xb_st1 trkact2pad1padb1 (3607)	—	—
32	47	16	xb_st1 trkact2pad1padb2 (3608)	—	—
48	63	16	xb_st1 trkact2pad1padb3 (3608)	—	—
64	79	16	xb_st1 trkact2pad1padb4 (3608)	—	—
80	95	16	xb_st1 trkact2pad1padb5 (3609)	—	—
96	111	16	xb_st1 trkact2pad1padb6 (3609)	—	—
112	143	32	xb_st1 trkact2pad2padb0 (3609)	—	—
144	175	32	xb_st1 trkact2pad2padb1 (3610)	—	—
176	207	32	xb_st1 trkact2pad2padb2 (3610)	—	—
208	239	32	xb_st1 trkact2pad2padb3 (3610)	—	—
240	271	32	xb_st1 trkact2pad2padb4 (3611)	—	—
272	303	32	xb_st1 trkact2pad2padb5 (3611)	—	—
304	335	32	xb_st1 trkact2pad2padb6 (3611)	—	—
336	367	32	xb_st1 trkact2pad2padb7 (3612)	—	—
368	368	1	xb_st1 trks1stsainfonu2 (3651)	—	—
369	369	1	xb_st1 trks1stfrmcntvld (3651)	—	—
370	376	7	xb_st1 trks1stsainfonu1 (3651)	—	—
377	383	7	xb_st1 trks1stfrmcntnum (3650)	—	—
384	399	16	xb_st1 trksp2 (3659)	—	—
400	415	16	xb_st1 trktlmsptc (3694)	—	—
416	431	16	xb_st1 tktmst1syntdefpa (3604)	—	—
432	447	16	xb_st1 trksp3 (3662)	—	—
448	463	16	xb_st1 trksp4 (3666)	—	—
464	479	16	xb_st1 trksp5statmrcnt (3673)	—	—
480	495	16	xb_st1 trksp5refttmdel (3672)	—	—
496	511	16	xb_st1 trksp6 (3673)	—	—
512	527	16	xb_st1 trksp7 (3676)	—	—
528	591	64	xb_st1 trksp8qrve0 (3691)	—	—
592	655	64	xb_st1 trksp8qrve1 (3691)	—	—
656	719	64	xb_st1 trksp8qrve2 (3691)	—	—
720	783	64	xb_st1 trksp8qrve3 (3692)	—	—
784	815	32	xb_st1 trksp9 (3692)	—	—
816	847	32	xb_st1 trksp10 (3657)	—	—

Packet **xb_st1 trk_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
848	879	32	xb_st1 trksp11 (3657)	—	—
880	880	1	xb_st1 tks12stsainfonu2 (3593)	—	—
881	881	1	xb_st1 tks12stfrmcntvld (3593)	—	—
882	888	7	xb_st1 tks12stsainfonu1 (3593)	—	—
889	895	7	xb_st1 tks12stfrmcntnum (3592)	—	—
896	911	16	xb_st1 tktmst1etamstr1 (3600)	—	—
912	927	16	xb_st1 tktmst1etamstr2 (3601)	—	—
928	943	16	xb_st1 tktmst1etamstr3 (3601)	—	—
944	959	16	xb_st1 tktmst1etamstr4 (3602)	—	—
960	975	16	xb_st1 tktmst1etamstr5 (3602)	—	—
976	991	16	xb_st1 tktmst1etamstr6 (3602)	—	—
992	1007	16	xb_st1 tktmst1etamstr7 (3603)	—	—
1008	1023	16	xb_st1 tktmst1etamstr8 (3603)	—	—
1024	1039	16	xb_st1 tktmst1etamstr9 (3603)	—	—
1040	1055	16	xb_st1 tktmst1etamstr10 (3601)	—	—
1056	1071	16	xb_st1 trks13st1magmes0 (3644)	—	—
1072	1087	16	xb_st1 trks13st1magmes1 (3644)	—	—
1088	1103	16	xb_st1 trks13st1magmes2 (3644)	—	—
1104	1119	16	xb_st1 trks13st1magmes3 (3645)	—	—
1120	1135	16	xb_st1 trks13st1magmes4 (3645)	—	—
1136	1151	16	xb_st1 trks13st1magmes5 (3645)	—	—
1152	1167	16	xb_st1 trks13st1magmes6 (3646)	—	—
1168	1183	16	xb_st1 trks13st1magmes7 (3646)	—	—
1184	1199	16	xb_st1 trks13st1magmes8 (3646)	—	—
1200	1215	16	xb_st1 trks13st1magmes9 (3647)	—	—
1216	1231	16	xb_st1 trks14st1magatt0 (3647)	—	—
1232	1247	16	xb_st1 trks14st1magatt1 (3647)	—	—
1248	1263	16	xb_st1 trks14st1magatt2 (3648)	—	—
1264	1279	16	xb_st1 trks14st1magatt3 (3648)	—	—
1280	1295	16	xb_st1 trks14st1magatt4 (3648)	—	—
1296	1311	16	xb_st1 trks14st1magatt5 (3649)	—	—
1312	1327	16	xb_st1 trks14st1magatt6 (3649)	—	—
1328	1343	16	xb_st1 trks14st1magatt7 (3649)	—	—
1344	1359	16	xb_st1 trks14st1magatt8 (3650)	—	—
1360	1375	16	xb_st1 trks14st1magatt9 (3650)	—	—
1376	1391	16	xb_st1 trksp15 (3657)	—	—
1392	1392	1	xb_st1 tks16stsainfonu2 (3595)	—	—
1393	1393	1	xb_st1 tks16stfrmcntvld (3594)	—	—
1394	1400	7	xb_st1 tks16stsainfonu1 (3594)	—	—
1401	1407	7	xb_st1 tks16stfrmcntnum (3594)	—	—
1408	1439	32	xb_st1 trksp17 (3658)	—	—
1440	1471	32	xb_st1 trksp18 (3658)	—	—
1472	1503	32	xb_st1 trksp19 (3658)	—	—
1504	1535	32	xb_st1 trksp20 (3659)	—	—
1536	1567	32	xb_st1 trksp21 (3659)	—	—
1568	1599	32	xb_st1 trksp22 (3660)	—	—
1600	1631	32	xb_st1 trksp23 (3660)	—	—

Packet **xb_st1 trk_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
1632	1663	32	xb_st1 trksp24 (3660)	—	—
1664	1695	32	xb_st1 trksp25 (3661)	—	—
1696	1727	32	xb_st1 trksp26 (3661)	—	—
1728	1759	32	xb_st1 trksp27 (3661)	—	—
1760	1791	32	xb_st1 trksp28 (3662)	—	—
1792	1823	32	xb_st1 trksp29 (3662)	—	—
1824	1855	32	xb_st1 trksp30 (3663)	—	—
1856	1887	32	xb_st1 trksp31 (3663)	—	—
1888	1903	16	xb_st1 trksp32 (3663)	—	—
1904	1904	1	xb_st1 tks33stsainfonu2 (3596)	—	—
1905	1905	1	xb_st1 tks33stfrmcntvld (3595)	—	—
1906	1912	7	xb_st1 tks33stsainfonu1 (3596)	—	—
1913	1919	7	xb_st1 tks33stfrmcntnum (3595)	—	—
1920	1951	32	xb_st1 trksp34 (3664)	—	—
1952	1983	32	xb_st1 trksp35 (3664)	—	—
1984	2015	32	xb_st1 trksp36 (3664)	—	—
2016	2047	32	xb_st1 trksp37 (3665)	—	—
2048	2079	32	xb_st1 trksp38 (3665)	—	—
2080	2111	32	xb_st1 trksp39 (3665)	—	—
2112	2143	32	xb_st1 trksp40 (3666)	—	—
2144	2175	32	xb_st1 trksp41 (3666)	—	—
2176	2207	32	xb_st1 trksp42 (3667)	—	—
2208	2239	32	xb_st1 trksp43 (3667)	—	—
2240	2271	32	xb_st1 trksp44 (3667)	—	—
2272	2303	32	xb_st1 trksp45 (3668)	—	—
2304	2335	32	xb_st1 trksp46 (3668)	—	—
2336	2367	32	xb_st1 trksp47 (3668)	—	—
2368	2399	32	xb_st1 trksp48 (3669)	—	—
2400	2415	16	xb_st1 trksp49 (3669)	—	—
2416	2416	1	xb_st1 tks50stsainfonu2 (3597)	—	—
2417	2417	1	xb_st1 tks50stfrmcntvld (3597)	—	—
2418	2424	7	xb_st1 tks50stsainfonu1 (3597)	—	—
2425	2431	7	xb_st1 tks50stfrmcntnum (3596)	—	—
2432	2463	32	xb_st1 trksp51 (3669)	—	—
2464	2495	32	xb_st1 trksp52 (3670)	—	—
2496	2527	32	xb_st1 trksp53 (3670)	—	—
2528	2559	32	xb_st1 trksp54 (3670)	—	—
2560	2591	32	xb_st1 trksp55 (3671)	—	—
2592	2623	32	xb_st1 trksp56 (3671)	—	—
2624	2655	32	xb_st1 trksp57 (3671)	—	—
2656	2687	32	xb_st1 trksp58 (3672)	—	—
2688	2719	32	xb_st1 trksp59 (3672)	—	—
2720	2751	32	xb_st1 trksp60 (3673)	—	—
2752	2783	32	xb_st1 trksp61 (3674)	—	—
2784	2815	32	xb_st1 trksp62 (3674)	—	—
2816	2847	32	xb_st1 trksp63 (3674)	—	—
2848	2879	32	xb_st1 trksp64 (3675)	—	—

Packet **xb_st1 trk_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
2880	2911	32	xb_st1 trksp65 (3675)	—	—
2912	2927	16	xb_st1 trksp66 (3675)	—	—
2928	2928	1	xb_st1 tks67stsainfonu2 (3599)	—	—
2929	2929	1	xb_st1 tks67stfrmcntvld (3598)	—	—
2930	2936	7	xb_st1 tks67stsainfonu1 (3598)	—	—
2937	2943	7	xb_st1 tks67stfrmcntnum (3598)	—	—
2944	2975	32	xb_st1 trksp68 (3676)	—	—
2976	3007	32	xb_st1 trksp69 (3676)	—	—
3008	3039	32	xb_st1 trksp70 (3677)	—	—
3040	3071	32	xb_st1 trksp71 (3677)	—	—
3072	3103	32	xb_st1 trksp72 (3677)	—	—
3104	3135	32	xb_st1 trksp73 (3678)	—	—
3136	3167	32	xb_st1 trksp74 (3678)	—	—
3168	3199	32	xb_st1 trksp75 (3678)	—	—
3200	3231	32	xb_st1 trksp76 (3679)	—	—
3232	3263	32	xb_st1 trksp77 (3679)	—	—
3264	3295	32	xb_st1 trksp78 (3679)	—	—
3296	3327	32	xb_st1 trksp79 (3680)	—	—
3328	3359	32	xb_st1 trksp80 (3680)	—	—
3360	3391	32	xb_st1 trksp81 (3680)	—	—
3392	3423	32	xb_st1 trksp82 (3681)	—	—
3424	3439	16	xb_st1 trksp83 (3681)	—	—
3440	3440	1	xb_st1 tks84stsainfonu2 (3600)	—	—
3441	3441	1	xb_st1 tks84stfrmcntvld (3599)	—	—
3442	3448	7	xb_st1 tks84stsainfonu1 (3600)	—	—
3449	3455	7	xb_st1 tks84stfrmcntnum (3599)	—	—
3456	3487	32	xb_st1 trksp85 (3681)	—	—
3488	3519	32	xb_st1 trksp86 (3682)	—	—
3520	3551	32	xb_st1 trksp87 (3682)	—	—
3552	3567	16	xb_st1 trksp88resb0 (3682)	—	—
3568	3583	16	xb_st1 trksp88resb1 (3683)	—	—
3584	3599	16	xb_st1 trksp88resb2 (3686)	—	—
3600	3615	16	xb_st1 trksp88resb3 (3688)	—	—
3616	3631	16	xb_st1 trksp88resb4 (3689)	—	—
3632	3647	16	xb_st1 trksp88resb5 (3689)	—	—
3648	3663	16	xb_st1 trksp88resb6 (3689)	—	—
3664	3679	16	xb_st1 trksp88resb7 (3690)	—	—
3680	3695	16	xb_st1 trksp88resb8 (3690)	—	—
3696	3711	16	xb_st1 trksp88resb9 (3690)	—	—
3712	3727	16	xb_st1 trksp88resb10 (3683)	—	—
3728	3743	16	xb_st1 trksp88resb11 (3683)	—	—
3744	3759	16	xb_st1 trksp88resb12 (3684)	—	—
3760	3775	16	xb_st1 trksp88resb13 (3684)	—	—
3776	3791	16	xb_st1 trksp88resb14 (3684)	—	—
3792	3807	16	xb_st1 trksp88resb15 (3685)	—	—
3808	3823	16	xb_st1 trksp88resb16 (3685)	—	—
3824	3839	16	xb_st1 trksp88resb17 (3685)	—	—

Packet **xb_st1 trk_tlm_action2** Format, cont'd

start bit	stop bit	size bits	field		
3840	3855	16	xb_st1 trksp88resb18 (3686)	—	—
3856	3871	16	xb_st1 trksp88resb19 (3686)	—	—
3872	3887	16	xb_st1 trksp88resb20 (3687)	—	—
3888	3903	16	xb_st1 trksp88resb21 (3687)	—	—
3904	3919	16	xb_st1 trksp88resb22 (3687)	—	—
3920	3935	16	xb_st1 trksp88resb23 (3688)	—	—
3936	3951	16	xb_st1 trksp88resb24 (3688)	—	—

Packet size = 3952 bits (494 bytes) .

G

Telemetry Packet Summary

Telemetry Packet Summary

pkt no.	apid (hex)	packet
1	0x001 (1)	ac fstattitude (3733)
2	0x002 (2)	ac slwattitude (3744)
3	0x003 (3)	ac fstsensord (3736)
4	0x004 (4)	ac mediumsensord (3740)
5	0x005 (5)	ac slwsensord (3753)
6	0x006 (6)	ac slwgeneral (3750)
7	0x007 (7)	ac ad (3726)
8	0x008 (8)	ac anc (3728)
9	0x00a (10)	ac fstcont (3734)
10	0x00b (11)	ac mediumcont (3738)
11	0x00c (12)	ac slwcont (3746)
12	0x00e (14)	ac cruciform (3732)
13	0x013 (19)	ac status (3759)
14	0x026 (38)	pg hktlm (3814)
15	0x02d (45)	an gdshktlm (3767)
16	0x031 (49)	an ecf2j2ktlm (3766)
17	0x032 (50)	an gdssmpostlm (3768)
18	0x033 (51)	an acsmecf (3763)
19	0x034 (52)	an acstvectlm (3765)
20	0x035 (53)	an acmftlm (3762)
21	0x039 (57)	an tskdgtlm (3769)
22	0x041 (65)	ape ex_soft_tlm (3772)
23	0x043 (67)	ape safe_soft_tlm (3774)
24	0x044 (68)	aac ape_aac_soft_tlm (3720)
25	0x05b (91)	pg pegsvtlm (3816)
26	0x05c (92)	pg pegtlm (3819)
27	0x05d (93)	sx s1_mem_dmp_pkt (3852)
28	0x05f (95)	ds ev (3781)
29	0x062 (98)	hs ul_crit_tlm_pkt (3811)

G. TELEMETRY PACKET SUMMARY

Telemetry Packet Summary, cont'd

pkt no.	apid (hex)	packet
30	0x065 (101)	di tlm_pkt (3776)
31	0x068 (104)	xb eps_slw_tlm (3907)
32	0x06a (106)	xb epsfst_tlm (3903)
33	0x06e (110)	xb eps_misc_tlm (3905)
34	0x06f (111)	aep soft_tlm (3760)
35	0x073 (115)	hs fst_sup_pkt (3782)
36	0x074 (116)	hs sc_ev_msg (3807)
37	0x075 (117)	hs slw_sup_pkt (3808)
38	0x0aa (170)	sm mem_dmp (3830)
39	0x0ab (171)	sm tbl_dmp (3834)
40	0x0ac (172)	sm mdwl_tlm (3828)
41	0x0cb (203)	su omhk (3850)
42	0x0cc (204)	su omdmp (3838)
43	0x10f (271)	dl sppkt (3778)
44	0x110 (272)	sx sppkt (3863)
45	0x11b (283)	tg loopbak_pkt (3865)
46	0x133 (307)	tp hardtlm (3866)
47	0x134 (308)	tp softtlm (3870)
48	0x13b (315)	xb acfst_tlm (3898)
49	0x13d (317)	xb acslw_tlm (3901)
50	0x140 (320)	xb raw_read_tlm (3915)
51	0x142 (322)	xb acfst_err_tlm (3897)
52	0x143 (323)	xb lot0pkt (3912)
53	0x145 (325)	xb st1_tlm (3949)
54	0x147 (327)	xb st1 dg_tlm_sid (3940)
55	0x14b (331)	xb st1 crc_dtadmp_tlm (3938)
56	0x603 (1539)	xb st1 car_trk_tlm (3935)
57	0x604 (1540)	xb st1 car_aq2_tlm (3932)
58	0x605 (1541)	xb st1 car_aq1_tlm (3929)
59	0x609 (1545)	xb st1 pointing_md (3944)
60	0x60a (1546)	xb st1 trk_tlm (3951)
61	0x60b (1547)	xb st1 aq_tlm (3917)
62	0x610 (1552)	xb st1 stat_action2 (3945)
63	0x611 (1553)	xb st1 aq_tlm_action2 (3924)
64	0x612 (1554)	xb st1 trk_tlm_action2 (3959)
65	0x7f2 (2034)	ul mem_dmp_pkt (3886)
66	0x7f3 (2035)	ul fill_pkt (3875)
67	0x7fd (2045)	ul crit_tlm_pkt (3872)

H

Glossary

ACS *Attitude Control Subsystem* Spacecraft subsystem responsible for spacecraft and instrument pointing.

ADC *analog/digital converter*

Aeronomy of Ice in the Mesosphere NASA mission to study the formation, morphology, and life cycle of polar mesospheric clouds (PMCs). These clouds are also called noctilucent due to their tendency to 'glow' during the polar winter months. These clouds are so high in the atmosphere that their under sides (sides facing the earth) are illuminated by sunshine passing across the pole through the atmosphere from the daylit side of the Earth.

B *byte* See byte

b *bit* See bit.

bit Basic unit of information storage.

BOS *bright object sensor* Hardware for sensing presence of bright objects (such as the sun).

byte 8 bits of storage. CCSDS uses the term *octet* instead.

CCSDS *Consultative Committee for Space Data Systems* An [international organization](#) of space agencies interested in mutually developing standard data handling techniques.

CDE *Cosmic Dust Experiment* One of the instruments comprising the AIM observatory, the CDE instrument helps scientists determine the amount of particles entering the atmosphere. This in turn helps them determine the impact of cosmic dust on PMC formation.

C&DH *command and data handling* Spacecraft subsystem that receives and processes commands, and produces telemetry. Typically the CDH also contains the flight computer.

CIPS *Cloud Imaging and Particle Size* One of the instruments comprising the AIM observatory, the CIPS instrument uses six CCDs to capture grayscale images of PMCs. These images will help scientists determine how these clouds are created, how they change over time, and what constitutes them.

CM *configuration management* Process of controlling access, identifying and archiving designated releases of software and documentation. CM is complementary to a version control system. See CVS.

command An instruction from a user (or script) to a spacecraft system to perform a specific action.

FSW *flight software* Embedded software that controls flight hardware.

glossary This is it.

H. GLOSSARY

high level command An instrument command that implements functionality of more than one low level command. High level commands are more efficient than low level commands for specifying complex instrument behavior.

HVPS *high voltage power supply* Device designed to provide unusually high voltages to electronics. Such devices are not only a safety hazard, but also can be hazardous to other hardware, should they arc, which is only a danger at low ambient pressures.

I/O *input output*

KB *kilobyte* $2^{10} = 1024$ bytes.

Kb *kilobit* $2^{10} = 1024$ bits.

LASP *Laboratory for Atmospheric and Space Physics* Institute at the [University of Colorado, Boulder](#), researching atmospheric, space and planetary physics.

low level command An instrument command that implements a single basic hardware or software function.

MB *megabyte* $2^{20} = 1,048,576$ bytes.

Mb *megabit* $2^{20} = 1,048,576$ bits.

ms *milliseconds*

MIL-STD-1553 Military standard for flight serial data bus.

octet CCSDS term for an 8-bit unit of storage. See byte.

PDF *portable document format* Binary document format with self contained fonts that can be viewed or printed from most any platform via [Adobe Acrobat](#) and other PDF viewers. Advanced PDF viewers can navigate hyperlinks to other locations within and external to the document.

POR *power on reset* Hardware reset due to power cycle (transition from off to on). Hardware and software return to their POR states after a POR.

SSI *Standard Serial Interface* Interface electronics used for loading, monitoring, and debugging FSW.

TC *telecommand* CCSDS term for command. See CCSDS.

telemetry Data produced by a spacecraft application.

UT69R See UT69R000.

UT69R000 A radiation-hardened 16-bit RISC microcontroller created by UTMC. The 69R000 is the microcontroller host for FSW on all AIM instruments.

End of glossary.