

Figure 4-6. Function CMDP

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:09 10:28:41.9 SC24 DS614 CMD/DATA/PUR FT-A MD=R1 BR=64 RTL1=00:00:00.0
COCCAS = NADD
COECBS = CONT
CSCRCDS = 8
CSCRFS = A
CCDUBSS = FLIP
CCMEXS = CDU
CSCRIDS = ON
CSEQS = DSAB
CSCRIDC = 0

S/C CDU REGISTER
REG TIME CMND
1 3584 C232
2 $$$ C$$$
3 $$$ C$$$
4 $$$ C$$$
5 0030 C2B4

DTU = A
DDTULV = 0.166999
DDTUHV = 1.506999
DDTUHV = 2.419990
DCCUHS = CODE
OSCIDEC = 3968.

PHVMS = ON
PPATMS = OFF
PCFOMS = ON
PGTMS = OFF
PCRTMS = OFF
PTRMS = ON
FUVYMS = ON
PIPYMS = OFF
PIRMS = OFF
PAMMS = OFF
PMEWS = OFF

APSEWS = OFF
AUSLWS = B_ON
PBCHGS = AUTO
POLPROS = ON

RTG 1 V
1 6.013877 3.630815 HJT 850. 277.
2 6.199892 3.730044 861. 264.
3 6.486162 3.730044 869. 277.
4 6.013877 3.730044 837. 270.

PBUSEV = 27.923 PSHNTI = 0.0888
PBUSV = 28.003 PSHNTRI = 0.0888
PTRFAV = 5.3296 PBUSI = 1.8000
PTRFBV = 5.2344 PBCHGI = 0.0167
PBATV = 11.418 PDCHGI = 0.0859
PBATT = -20.68
FRT

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Figure 4-17. Function ENGR

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000 10:28:08.9 SC24 08614          FT=A      MD=RT  BR=64  RLT=00:00:00.0
DSCIDEC = 3968.  RCSWS = OFF      ENGR
DCCUMS = CODE   RANFXS = NORM
DTU     = A      PRXS = MED
CSEQS  = ON     RRAREVS = ENAB
CSEQS  = DSAB  RRASIQS = ABST
CSCRID8 = CDU  RRASSTRM = -154.84
CSCRCD8 = CONT RR8IQS = ABST
CSCRPS8 = B    RR8STRM = -161.188
CCOUBU88 = A   RTARFW = 27.59988
CCMDEX8 = FLIP RTBRFW = 39.78817
CDECAB = NADD  ASPNPDG = 7.2738037
CDECBS = NADD  ASP8GNS = AVQ
S/C COU REG      ASP8GR8 = 180
REG TIME CHND    AREFSEL8 = SUNB
1 0000 C000     APLSLNGH = 31.2
2 0000 C000     APREP8 = 114
3 0000 C000     AVELP88 = 284
4 0000 C000     ASPNDY88 = DOWN
0 0030 C254     AR1PPHEQ = 0.08888
                ADSPNS = OFF
                HVM = ON
                PAY = OFF
                CPD = ON
                QTT = OFF
                CRT = OFF
                TRD = ON
                UUY = ON
                IPY = OFF
                IRR = OFF
                AND = OFF
                MED = OFF
                AD8LWS = B_ON
                POLPRO8 = ON
                PBCHGS = AUTO
                PCHG8S = ENAB
                PBATV = 11.418
                PBCHGI = 0.0187
                PCHG8I = 0.0889
                PBATT = -20.88
                RTG 1 V HJT FRT
                1 0.013 3.630 844. 277.
                2 6.188 3.730 888. 284.
                3 5.458 3.730 888. 277.
                4 6.013 3.730 837. 270.
                DROLLPS = YES
                DRATC = 4.179887
    
```

Figure 4-32. Function RACS

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MAG 10:27:50.9 8C24 08814 RF/ACS FT-A HD-RT BR-84 RILT=00:00:00.0
RRECREVS = ENAB RCSW8 = OFF = 27.59988
RCS8 = NHIB RANTFX8 = NORM = 0.00000
RRAXS = MED RCS1H8 = BELO = 19.60219
RTAX8 = MED RCS2H8 = MED = -0.28480
RTWTAT = 171.3889 RCSASIN = -0.00018 = 38.78817
RTWTBT = 43.52033 RCSAC08 = -0.00018 = 7.66580
RTACONT = 178.3004 RCSPHAK = $$$ = 28.17480
RTBCONT = 42.34314 RCSANGAK = $$$ = 27.41888
RORVAT = -28.6881 RCSANGAK = $$$ = 27.41888
RORVBT = -21.4888
ASPNOC = 7.2738037 APLBLNGH = 31.2 = 0.088888
ASPSGMS = AVG AREPR8 = 114 = 08AB
AREFSEL8 = SUN8 AVELPR8 = 214 = 45
ASPSGRMS = 180 ASPNDIR8 = DOWN = 2. ABTLOCC = ABST
ARIPPEHQ = 0.088888 ADSPMS = OFF = 8. ABTOLYC = NO
ACLKS = NORM ASBQ8 = TILT = 1.148437
ACEAMS = MODD ASBQINMS = NORM = 1.780000
DROLLPS = YES ASCTDVMS = ENAB = 0.
DRATC = 4.178887
RRAS1QPS = ABST RTARFM = 25. ABTQTS = 08AB
RRAS8TRM = -184.841 RTAHLXI = 57. ABTQTS = 45
RRAS08CB = 08AB RTACATI = 2. ABTLOCC = ABST
RRACAGCH = 0.038888 RTAREFV = -0.28480 = NO
RRAVCO1 = 8.083788 RTBRFM = 38.78817 = 1.148437
RR881QPS = ABST RTBHLXI = 7.66580 = 1.780000
RR888TRM = -181.188 RTBLCATI = 28.17480 = 0.
RR808CB = 08AB RTBRFFV = 27.41888 = 0.
RR8CAGCH = 0.037806 = 0.088888
RRBVCO1 = 8.083788 PSHNT1 = 0.088888
AVELT1C = 25. ABTQTS = 08AB
AVELT2C = 57. ABTQTS = 45
AVELT3C = 2. ABTLOCC = ABST
AVELT4C = 8. ABTQTS = NO
ASPTHAPS = FLOP = 1.148437
ASPTHBPS = FLOP = 1.780000
AVELC1T = 48.80518 = 0.
AVELC2T = 62.28888 APROPP = 285.8985
ASPTHCLT = 48.71840 APROPT = 88.99112
    
```

Figure 4-37. Function SST3

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^09 16:31:14.8 8C24 08814          FT-A          RILI=00:00:00.0
JPL/HVM: ON          UA/IPP: OFF          UC/CP1: ON          SCIENCE
MD-RT  SR-64          GSFC/CRT: OFF          ARC/PA:OFF
412HZ = NORM          HI VI = ON          ELCT = -3.540          SYNC = $$$
SYNC = 0              BLT = -80.01          EGBT = -80.01          SEC = $$$
SM = 48              SYNC = $$$          D18 = ENAB          DET1 = 244.41
ELCT = 21.719        MODE = $$$          D28 = ENAB          ELCT = -3.540
SENT = $$$          ROL.P = $$$          PMS = YES          HVP = $$$
L2V8 = $$$          LOOK = $$$          CLEV = 0            DBHV = $$$
CV = $$$            ANG = $$$          E1 = -0.000         DAHV = $$$
RNG = $$$           SLA = $$$          E2 = 0.0048         HUL = $$$
2ARV = $$$          AP = $$$           E3 = 1.2110         MODE = $$$
CAL = OFF           GS = $$$           D7R = 386.37        TSS = $$$
MODE = NORM         BITL = $$$         C/NB = NORM         REV8 = $$$
S = 0              SEC = $$$          USC/UV: ON          HWAS = $$$
V45 = 0            MBP = $$$          CHSA = 0            IFC = $$$
UI/GTT: OFF         UCSD/TRD: ON       RBA = 0             LCCH = $
LOGS = $$$          ELCT = 6.7172      RBB = 1             DAIP = $$$
CONV = $$$          HVRI = 40.158     CHBB = 1            RCCH = $
ELCT = -3.540       DET1 = -1.778     RBB = 1             DS = $$$
HLV8 = LOW          CTT/IR: OFF       LARC/MD: OFF
GSFC/FQM: OFF       GE/AMD: OFF
    
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Figure 4-38. VDT Function THMT

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**09 10:28:32.8 8C24 D8814
TPAT = -3.54048 T88AT = 14.81200 RRAVCOT = 9.093788 AVPT1T = 40.81782
TCPDI = -3.54048 T88AT = 8.82484 RTMTAT = 174.3658 AVPT2T = 40.81782
TBTIT = -3.54048 TPLYT = 51.71178 RTACONT = 178.3004 AVPT3T = 67.33708
TCRTT = -3.54048 TMIYT = 48.84678 RDRVAT = -28.8681 AVPT4T = 40.81782
TTROT = 8.74728
TUVYT = -3.54048 PR1G1HJT = 860. RRBVCOT = 9.093788 AVELC1T = 48.80518
TPLAT1T = 17.80202 PR1G2HJT = 881. RTMTBT = 43.52033 AVELC2T = 62.28588
TPLAT2T = 3.818830 PR1G3HJT = 868. RTBCONT = 42.34314 ABPTHCLT = 48.71840
TPLAT3T = 3.818830 PR1G4HJT = 837. RORVBT = -21.4588
TPLAT4T = 17.80202 PR1G1FRT = 277. PBATT = -20.6807
TPLAT5T = -4.18237 PR1G2FRT = 264.
TPLAT6T = -13.2131 PR1G3FRT = 277.
PR1G4FRT = 270.
THERMAL FT-A MD-RT BR-64 RTLI-00:00:00:00.0

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