TABLE OF CONTENTS

1. INTRODUCTION
2. CHANGE LOG
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM
    a. URL to S/C “Remarks” field
    b. URL to S/C “Materials” field
    c. URL to Experiment “Remarks” field
    d. URL to Experiment “Materials” field
    e. URL to Data Set “Remarks” field
    f. URL to Data Set “Materials” field
    g. Items e and f for additional data sets from this experiment, if needed
    h. Items c thru g for additional experiments from this spacecraft, if needed
    i. Items a thru h for additional spacecraft, if needed
4. CATALOG MATERIALS.

1. Introduction:

The documentation for this data set was originally on paper kept in NSSDC's Data Set Catalogs (DSCs). The offline tape datasets have now been migrated from the original magnetic tape to magnetic disk (starting in mid-2004). Accordingly, statements in the format descriptions that address such tape relevant factors as blocking and but density are no longer applicable. The paper documentation in the Data Set Catalogs have been scanned and made into digital images of the pages, the collected into a single PDF file for each Data Set Catalog.

The inventory information in these DSCs is current as of July 1, 2004. But this inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system, and the user should go to that interface (JIN) if further information existing in the DSCs is now not needed for locating data files, but we did not go to the trouble of removing that inventory information.

2. CHANGE LOG

Version	Date	Person	Page	Description of Change
01				

3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:
[NOTE: ANY OF THE INFORMATION FIELDS MIGHT BE BLANK.]
[THE "MATERIALS FOR DISTRIBUTION" FIELD IS HERE CALLED JUST "MATERIALS"]

"Remarks" for spacecraft SCNAME1":
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A--remark--

"Materials" for spacecraft SCNAME1":
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A--mat--

"Remarks" for SCNAME1 experiment EXNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A&ex=09--remark--

"Materials" for SCNAME experiment EXNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102&ex=09--mat--

"Remarks" for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--remark--

"Materials" for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--mat--

"Remarks" for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa,gov/database/MasterCatalog?ds=SPHE-00677--remark--

"Materials" for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--mat--

"Remarks" for EXNAME1 data set DSNAME3:

"Materials" for EXNAME1 data set DSNAME3:

"Remarks" for SCNAME1 experiment EXNAME2:

"Materials" for SCNAME1 experiment EXNAME2:

"Remarks" for EXNAME2 data set DSNAME1:
"Materials" for EXNAME2 data set DSNAME1:

"Remarks" for EXNAME2 data set DSNAME2:
"Materials" for EXNAME2 data set DSNAME2:

“Remarks” for spacecraft SCNAME2”:
http://nssdc.gsfc.nasa.gov/database/MaterCatalog?sc=1978-079A--??--

“Materials” for spacecraft SCNAME2:
http://nssdc.gsfc.nasa.gov/database/MaterCatalog?sc=1978-079A--??--

“Remarks” for SCNAME2 experiment EXNAME1:
http://nssdc.gsfc.nasa.gov/database/MaterCatalog?sc=1978-079A&ex=03--??--

“Materials” for SCNAME2 experiment EXNAME1”
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1978-079A&ex=03--??--

“Remarks” for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE--00011--remark--

“Materials” for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE--00011--remark--

“Remarks” for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00014--remark--

“Materials” for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00014--remark--

“Remarks” for EXNAME1 data set DSNAME3:

“Materials” for EXNAME1 data set DSNAME3:

“Remarks” for SCNAME2 experiment EXNAME2:

“Materials” for SCNAME2 experiment EXNAME2:

“Remarks” for EXNAME2 data set DSNAME1:

“Materials” for EXNAME2 data set DSNAME1:

“Remarks” for EXNAME2 data set DSNAME2:

“Materials” for EXNAME2 data set DSNAME2:

“Remarks” for data set DSNAME3:

“Materials” for EXNAME data set DSNAME3:

“Remarks” for SCNAME2 experiment EXNAME3:

“Materials” for SCNAME2 experiment EXNAME3:

“Remarks” for EXNAME3 data set DSNAME1:

“Materials” for EXNAME3 data set DSNAME1:

“Remarks” for EXNAME3 data set DSNAME2:

“Materials” for EXNAME3 data set DSNAME2:

=-=-= -
=-=-= -

ALTERNATE OPTION:

For SCNAME2:

“Remarks” for EXNAME1 data set DSNAME2:

http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00014--remark--

“Materials” for EXNAME1 data set DSNAME2:

http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00014--mat--

can be shown as

“Remarks” for EXNAME1 data set DSNAME2:

http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=78-079A-03C--remark--

“Materials” for EXNAME1 data set DSNAME2:

http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=78-079A-03C--mat--

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4. CATALOG MATERIALS:

DATA SET CATALOG # 9

Explorer 15 Charged Particle

62-059A-02A 6 Tapes

EPE-C

TIME ORDERED PARTICLE COUNT RATES

62-059A-02A

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY 6 9-TRACK, 1600 BPI TAPES, WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE, WHICH WAS PADDED DURING THE RESTORATION PROCESS. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR003060	DS003060	D000284	1	10/27/62 - 11/03/62
		D000285	2	11/03/62 - 11/18/62
		D000286	3	11/18/62 - 12/01/62
		D000287	4	12/01/62 - 12/16/62
		D000288	5	12/16/62 - 12/31/62
		D000289	6	01/01/63 - 01/30/63

EXPLORER 15 CHARGED PARTICLES 62-059A-C2A

TABLE OF CONTENTS

		PAGE
1.	Introduction	1
2.	Data Set Identification	2
3.	Tape Identification and Octal Dump	3-4
4.	Sample Printout of Data	5
5.	Listing of Time Spans and Maximum and Minimum Values	6-92
6.	Matrices of Time Versus L	93-99
7.	Matrices of B/Bo Versus L	100-106
8.	Listing of Data Values which Failed Quality Check	107 - 109

June 13, 1973

To: Data Repository

From: ADP Services

Subject: Change of start/stop times of Explorer 15 tapes

Please note the following time changes: DD00284 (and the corresponding C number) is changed from 10/28/62 - 11/03/62, to 10/27/62 - 11/03/62. DD00288 (and corresponding C number) is changed from 12/16/62 - 01/01/63, to 12/16/62 - 12/31/62.

Explorer 15 Charged Particles 62-059A-02A

Apogee : 17,300 Kilometers (Altitude) [3.72 Earth Radii (Geocen. Dist.)]
Perigee : 310 Kilometers (Altitude) [1.05 Earth Radii (Geocen. Dist)]
Period : 312 Minutes
Inclination: 18 Degrees

The data set catalog for this Explorer 15 data set includes listings of time spans of continuous data, maximum and minimum values of selected variables over five orbit spans, and matrices of local time versus L, and B/B_0 versus L, giving the number of Count Rate A2 observations for each grid point. These matrices are given for each of six tapes and for all six tapes taken together.

In the computation of time spans of continuous data, a time gap was defined as five minutes or more of missing data. In the maximum and minimum value listing Count A1 (ID #4) relates to omnidirectional detector, low discrimination level. Count A2 (ID #1) relates to omnidirectional detector, high discrimination level. Count D1 (ID #2) relates to directional detector, low discrimination level. Count D2 (ID #3) relates to directional detector, high discrimination level. B, L, B/B_0, RA (right ascension), and DEC (declination) are obtained from Jensen-Cain epoch 1960 magnetic field model. ALT (altitude) is geocentric distance in kilometers.

As a quality check on the ephemeris points, each given value of B, L, B/B_0, DEC and ALT was compared to its value as predicted by a simple extrapolation using the two preceeding values; if the given and predicted values differed by more than 10%, the given value and its time were separately listed (see pages # 107-109). These values have not been removed from the data tapes, but have not been included in determining maximum and minimum values.

The Explorer 15 tapes are time ordered with the exception of seventeen logical records at the end of the last tape which are from the earliest time period. FLA and FLO on the tapes are spacecraft latitude and longitude in degrees.

DATA SET IDENTIFICATION

SATELLITE NUMBER:	62-059A-04A
EXPERIMENTER:	Dr. Carl McIlwain, University of California, San Diego
ACQUISITION AGENT:	Dr. Joseph King
DISCIPLINE:	Fields and Particles
PROGRAMMER:	Jewell Chase

TAPE IDENTIFICATION

Tape numbers and time spans of each tape:

1.	D00284	October 27, 1962	to	November 03, 1962
2.	D00285	November 03, 1962	to	November 18, 1962
3.	D00286	November 18, 1962	to	December 01, 1962
4.	D00287	December 01, 1962	to	December 16, 1962
5.	D00288	December 16, 1962	to	~~January 01, 1963~~ Dec. 31, 1962
6.	D00289	January 01, 1963	to	January 30, 1963

MODE: BINARY

DENSITY: 556 bits per inch

MACHINE TAPE CREATED ON: CDC

TAPE FORMAT: Each physical record contains 10 logical ~~words~~ records of 12 48-bit words. The format of one logical record follows.

WORD 1	time in milliseconds from January 1, 1962	
WORD 2	count rate	
WORD 3	B	
WORD 4	L	
WORD 5	B/B_o	
WORD 6	right ascension	
WORD 7	declination	
WORD 8	latitude	
WORD 9	longitude	
WORD 10	altitude	
WORD 11	bits 1-14	not used
	bit 15	synch loss
	bit 16	barker noise
	bits 17-18	noise in data (0-3)
	bits 19-24	station number
	bit 25	not used
	bit 26	sun shining first 16 frames
	bit 27	sun shining last 16 frames
	bits 28-36	maximum value from channel 13
	bits 37-45	minimum value from channel 13
	bits 46-48	ID number corresponding to word #2
WORD 12	bits 1-3	not used
	bits 4-12	26 ohm square wave
	bits 13-21	solar cell damage temp.
	bits 22-30	battery voltage (approx. 19.7)
	bits 31-39	+12 volt regulated source
	bits 40-48	temperature of the inovator ~~ossocitator~~ oscillator

The PIFT format used to read the tape is as follows:

```
INPUT CDC3600
FØRMAT A
FLD  TIME, MSEC, INTGR      extract time
GRP  REALS,, 9, REAL        extract words 2-10
FLD  ,,PASS, 45             skip first 45 bits of word 11
FLD  ID,,BIT,(3,36)         get countrate ID #
FLD  ,,PASS,48              skip word 12
ENDFMT A
```

300.9 Oct. 27, 1962 CDC 48 B

FILE 0001 REC 0001 CH 0560

LOG REC 1	0001	000030160246	407520154423	471332311775	514563712310	200
	0049	200674061432	653457751104	022041302004	746760333562	201
LOG REC 2	0097	000030160252	523620205462	507245511775	507141426240	200
	0145	200673234027	063657750401	105253622005	402145660730	201
LOG REC 3	0193	000030160257	040020114326	706060201775	501555301623	200
	0241	200672417166	415757743741	534127702005	420563530455	201
LOG REC 4	0289	000030160263	254220176010	566762351775	474216062217	200
	0337	200671605267	323657743505	234564272005	437036373322	201
LOG REC 5	0385	000030160267	470320154647	574731471775	466736132331	200
	0433	200671016405	072157743253	473023122005	455155462464	201
LOG REC 6	0481	000030160273	704520177640	411436101775	461523455061	200
	0529	200670244556	302557743024	417604232005	473136765107	201
LOG REC 7	0577	000030160300	121020115623	014264201775	454345146331	200
	0625	200667516264	225557742600	033075202005	510754375313	201
LOG REC 8	0673	000030160304	335220176004	223161671775	447251307441	200
	0721	200666774037	743557742356	145636452005	526444076323	201
LOG REC 9	0769	000030160310	551420154501	336271251775	442231242776	200
	0817	200666262372	575557742136	753337302005	544001623574	201
LOG REC 10	0865	000030160314	765720174770	265152571775	435264657227	200
	0913	200665561473	337657741722	247737352005	561205702461	201

FILE 0001 REC 0002 CH 0560

0001	000030160321	202320117030	425155611775	430371605434	200
0049	200665071342	621457741510	322576762005	576253150710	201
0097	000030160325	416620175504	611055131775	423556703516	200
0145	200664412003	027657741300	720657242005	613200223552	201
0193	000030160331	633320154176	672460041775	417021205673	200
0241	200663743201	767157741073	725543102005	630000247322	201
0289	000030160336	047620165740	635175411775	412340124136	200
0337	200663305202	043657740671	460755572005	644444644114	201
0385	000030160342	264320117170	551515741775	405736224522	200
0433	200662657741	663457740471	461437222005	660773704627	201
0481	000030160346	501020175006	275453361775	401412662517	200
0529	200662243262	236657740274	024210752005	675200502711	201
0577	000030160352	715320147176	614227331774	772314134355	200
0625	200661637402	307657740100	740154712005	711262266436	201
0673	000030160357	131520156451	502375131774	761743615610	200
0721	200661256160	131557733744	125241042005	725215403340	201
0769	000030160363	346120116634	721723371774	751516757261	200
0817	200660660171	013557733651	014442012005	741037466404	201
0865	000030160367	562420174035	113206021774	741423532162	200
0913	200660262211	230357733557	053242752005	754542430402	201

FILE 0001 REC 0003 CH 0560

0001	000030160373	777020145414	276105411774	731466306156	200
0049	200657650133	562057733466	354124522005	770121146370	201
0097	000030160400	213420146506	060700241774	721652154600	200
0145	200657262021	331657733376	654562012006	401575232716	201
0193	000030160404	430020116034	260372331774	712163577652	200
0241	200656704467	227257733310	246354222006	407254537731	201
0289	000030160410	644420165706	251034351774	702622777362	200
0337	200656337715	252557733222	731303302006	414666602237	201
0385	000030160415	061120137722	324522221774	673415053013	200
0433	200656010173	553657733136	532143652005	422231450216	201
0481	000030160421	275420137142	543715771774	664320052342	200
0529	200655456443	071557733053	340106472006	427533735241	201
0577	000030160425	512120115127	170256101774	655343014622	200
0625	200655131165	775057732771	205763412006	434773277140	201
0673	000030160431	726320164032	571423651774	646515773151	200
0721	200654616024	671357732710	160347612006	442164647503	201
0769	000030160436	142620135241	154410611774	637774336522	200
0817	200654274707	722757732630	107400552006	447317254711	201
0865	000030160442	357020134176	433030151774	631366035107	200
0913	200653753601	050057732551	054310172006	454410161522	201

62

CDC 48 Bit Words | DD 00284 |

332311775	514563712310	200151436130	155120014443	604025742005	706171726321
041302004	746760333562	201575366210	750200000020	007606130025	042057103054
245611775	507141426240	200151723071	272020014470	247720072005	744035353605
253622005	402145660730	201575675635	776100000020	006605740025	042057103054
060201775	501555301623	200152212663	761620014515	045503532006	400076416673
127702005	420563530455	201576207575	167300000020	007406010025	042057103054
762351775	474216062217	200152507165	177020014542	351170542006	415023032614
564272005	437036373322	201576524407	734400000020	007205720025	042057103054
731471775	466736132331	200153003057	637120014567	140113222006	431615761353
023122005	455155462464	201577042665	365200000020	007005730025	042057103054
436101775	461523455061	200153300271	746720014613	576317002006	445762246215
604232005	473136765107	201577363177	052600000020	007206140025	042057103054
264201775	454345146331	200153577023	625420014637	476701272006	461332041666
075202005	510754375313	201577705514	730400000020	007105710025	042057103054
161671775	447251307441	200154077062	134220014664	027024002006	474472674057
630452005	526444076323	201640115055	257700000020	007206120025	042057103054
271251775	442231242776	200154400432	530120014710	510355212006	507312352621
337302005	544001623574	201640270263	200200000020	006705630025	042060103054
152571775	435264657227	200154703322	771320014735	323605412006	521611106136
737352005	561205702461	201640444507	272700000020	007105740025	042060103054
155611775	430371605434	200155211316	510220014762	447275632006	533566673735
576762005	576253150710	201640622125	471400000020	006706010025	042060103054
055131775	423556703516	200155515320	423220015007	373673202006	545223041512
657242005	613200223552	201641000231	025300000020	006605720025	042060103054
460041775	417021205673	200156021335	713720015034	321453032006	556336433273
543102005	630000247322	201641157226	710500000020	006706030025	042060103054
175411775	412340124136	200156321334	276120015061	045672772006	566617732106
755572005	644444644114	201641337277	306600000020	006406040025	042060103054
515741775	405736224522	200156627435	436120015106	076645162006	577241736724
437222005	660773704627	201641517743	420400000020	006606110025	042060103054
453361775	401412662517	200157140363	342020015133	261045632006	607556136217
210752005	675200502711	201641701144	365500000020	006706020025	042060103054
227331774	772314134355	200157454122	017020015160	573271252006	617764142656
154712005	711262266436	201642063073	427600000020	006606130025	041060103054
375131774	761743615610	200157777255	551020015206	402720072006	630202650105
241042005	725215403340	201642245716	167400000020	006706340025	042060103054
723371774	751516757261	200160313041	652020015234	011771532006	640041060131
442012005	741037466404	201642430756	376200000020	007106310025	042060103054
206021774	741423532162	200160625305	627420015261	420341072006	647463506564
242752005	754542430402	201642614420	743600000020	007006320025	042060103054
105411774	731466306156	200161130406	140020015306	437452762006	656532032064
124522005	770121146370	201643000474	254700000020	007206530025	042060103054
700241774	721652154600	200161443641	563320015334	307133642006	665624405012
562012006	401575232716	201643165155	233000000020	006706640025	041060103054
372331774	712163577652	200161761721	627720015362	441256622006	674611156455
354222006	407254537731	201643352243	655700000020	007306610025	041060103054
034351774	702622777362	200162302626	315520015411	056043732006	703470126644
303302006	414666602237	201643537737	746000000020	007306720025	041060103054
522221774	673415053013	200162627674	755520015440	106740522006	712241441056
143652006	422231450216	201643726173	721300000020	007407230025	041060103054
715771774	664320052342	200163154211	074020015467	064556412006	720704643206
106472006	427533735241	201644114477	275400000020	207607240025	041054103054
256101774	655343014622	200163502054	000620015516	175077662006	727242546615
763412006	434773277140	201644303270	113300000020	307707210025	042035103054
423651774	646515773151	200164033064	665420015545	434614172006	735472215050
347612006	442164647503	201644472324	672600000020	307707520025	042034103054
410611774	637774336522	200164362165	277620015575	026300222006	743614225333
400552006	447317254711	201644661643	327300000020	310107530025	042035103054
030151774	631366035107	200164711257	464620015624	550434452006	751630307251
310172006	454410161522	201645051434	651500000020	310107640025	043034103054

FILE 0001 REC 0003 CH C960

FILE 0001 REC 0004 CH C960

0001	000030160446	573320114222	207037021774	623112102566	20016
0049	200653424166	607057732473	135461372006	461435573277	20164
0097	000030160453	007520155270	106464651774	614723064474	20016
0145	200653105622	140057732416	077624742006	466424423166	20164
0193	000030160457	223720126437	153526461774	606634260320	20016
0241	200652573545	137057732342	001514012006	473353202551	20164
0289	000030160500	240220117331	404742031774	557557576614	20016
0337	200651201770	732157732073	327105472006	51634[illegible]05722	20164
0385	000030160504	454120117063	537167601774	552176255556	20017
0433	200650723725	315457732023	631224502006	523032175404	20164
0481	000030160510	667720104521	351317151774	544673752550	20017
0529	200650440544	410057731755	002271242006	527471255007	20164
0577	000030160515	103520137641	353506031774	537460711277	20017
0625	200650155363	502357731707	036310422006	534074146416	20164
0673	000030160521	317520114044	523564071774	532334661527	20017
0721	200647672170	204257731641	753167572006	540443056425	20164
0769	000030160525	533520114555	562241211774	525304134071	20017
0817	200647402032	304257731575	635574612006	544754750305	20164
0865	000030160531	747520076420	560353611774	520332055756	20017
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FILE 0001 REC 0021 CH 0960

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FILE 0001 REC 0012 CH 0960

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0289	000002362413	334220016664	174045131775	771152215310
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FILE 0001 REC 0012 CH 0960

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FILE 0001 REC 0015 CH 0960

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FILE 0001 REC 0015 CH 0560

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0865	000002363523	150520134354	627750741773	603447656504	20
0913	200742111060	252120046571	644241762007	776317441740	20

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FILE 0001 REC 0018 CH 0960 30.6

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521773	673451237230	200171452177	445120014031	270775062011	532310372714
102007	761107440272	201656271550	704000000022	314112230121	104105037105
151773	664555574320	200171714646	771220014032	714640642011	532626417274
002007	762531001622	201656457632	724000000022	314412040141	103105035105
171773	656035271607	200172154771	266420014034	633115372011	533124040751
172007	764144161474	201656646303	312700000022	314212210130	103103035104
111773	647456054132	200172413755	461320014036	700732562011	533415173562
162007	765547213672	201657034757	257400000022	314012320124	103103034103
001773	641352004026	200172645626	265220014041	451325372011	533673572754
132007	767141716262	201657224033	457200000022	314112230115	105103034103
131773	633232002365	200173104214	645120014043	615601632011	534157144336
122007	770524515124	201657412316	741000000022	314312340126	104105032103
061773	625167737275	200173344237	344220014045	646753312011	534442523112
132007	772077316521	201657600327	004400000022	314112210127	104103031103
071773	617203767366	200173605711	473720014047	564760242011	534726101671
122007	773442074530	201657766060	255100000022	314012420120	105103030103
111773	611250426411	200174054365	215220014051	237612252011	535211465644
162007	774774162070	201660153336	263200000022	314012430114	105103030104
041773	603447656504	200174315335	730420014053	066541122011	535475051615
152007	776317441740	201660340335	464000000022	314012340114	104104030105
041773	575747437505	200174554772	600620014054	715467762011	535760435571
172007	777633312176	201660525056	057400000022	314312410123	104105027105
111773	570354205613	200175011153	170620014056	544537242011	536252152137
132010	400457427550	201660710744	242600000022	314012520130	103105030104
051773	563051524606	200175247120	613220014060	373520772011	536532004130
112010	401216137325	201661073156	050600000022	314312530127	103103030103
171773	555643356243	200175505104	115020014062	222623142011	537005357637
112010	401751307516	201661261402	017500000022	314012540114	104104030104
051773	550532106373	200175743067	416420014064	051725312011	537254435373
112010	402501061415	201661445625	766400000022	314012510152	103105030104
211773	543530554023	200176177506	462020014065	701062322011	537512572017
112010	403225246730	201661632476	101000000022	314012520126	103104030103
211773	536571563240	200176437470	163620014067	530217362011	537757234267
112010	403746035601	201662016140	634100000022	314413030127	103103030103
011773	531714570422	200176700772	640220014071	357407272011	540223703371
112010	404463237545	201662201200	427100000022	314512540122	103103030103
011773	525115055652	200177147410	620620014073	016634672011	540470352474
112010	405174556752	201662363257	550100000022	314412410114	105103027103
011773	520407646544	200177410722	041020014074	777407132011	540735026433
112010	405703202762	201662545564	616000000022	314112520113	105103027104
011773	513770121766	200177650723	467320014077	111653642011	541201507230
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011773	507456135332	200240043577	565120014101	560304632011	541446156331
112010	407106501024	201663112170	242500000022	314013040120	103103027103
011773	503204021704	200240162257	400120014104	072017252011	541712625475
112010	407603341713	201663274001	230000000022	314312510113	104103027103
115774	277777777777	200273545640	064020014006	064017622010	616207002102
112011	400665055523	201756140214	052500000003	014214130025	055051103055
111775	557032745044	200147433111	222720014255	752642172004	737417675321
112004	460221324407	201573202543	027200001020	010506310025	043056103054
111775	551176712133	200147677255	517420014300	541514312005	431643516512
112004	517515430742	201573470352	030100000020	010306420025	043056103055
111775	543330614040	200150146245	717120014323	612756732005	476143140540
112004	555766227354	201573762062	637000000020	010106330025	043056103054
111775	535535040151	200150420062	021520014347	146611642005	542711404317

FILE 0001 REC 0018 CH 0960

0721	200676450774	420657753052	352575212004	614114214515	2015
0769	000030160235	757420105532	530456031775	527771220235	2001
0817	200675562506	122157752332	744235432004	652660627076	2015
0865	000030160242	173520175436	076657071775	522255462553	2001
0913	200674711265	575457751616	575530522004	710742753620	2015

FILE 0001 REC 0019 CH 0960

0001	000030160246	407520154423	471332311775	514563712310	2001
0049	200674061432	653457751104	022041302004	746760333562	2015
0097	000030160252	623620205462	507245611775	507141426240	2001
0145	200673234027	063657750401	105253622005	402145660730	2015
0193	000030160257	040020114326	706060201775	501555301623	2001
0241	200672417166	415757743741	534127702005	420563530455	2015
0289	000030160263	254220176010	566762351775	474216062217	2001
0337	200671605267	323657743505	234564272005	437036373322	2015
0385	000030160267	470320154647	574731471775	466736132331	2001
0433	200671016405	072157743253	473023122005	455155462464	2015
0481	000030160273	704520177640	411436101775	461523455061	2001
0529	200670244556	302557743024	417604232005	473136765107	2015
0577	000030160300	121020115623	014264201775	454345146331	2001
0625	200667516264	225557742600	033075202005	510754375313	2015
0673	000030160304	335220176004	223161671775	447251307441	2001
0721	200666774037	743557742356	145634452005	526444076323	2016
0769	000030160310	551420154501	336271251775	442231242776	2001
0817	200666262372	575557742136	753337302005	544001623574	2016
0865	000030160314	765720174770	265152571775	435264657227	2001
0913	200665561473	337657741722	247737352005	561205702461	2016

This record is a repeat of the first record recorded (record # 1 of DD 00284)

212004	614414214515	201574256274	557100000020	010106340025	043056103054
131775	527771220235	200150674527	104520014372	765507722005	605646350525
132004	652660627076	201574555554	766400000020	007506110025	042057103054
171775	522255462553	200151154020	215720014417	067010652005	646770732453
522004	710742753620	201575060076	110500000020	007706020025	042057103054
911775	514563712310	200151436130	155120014443	604025742005	706171726321
102004	746760333562	201575366210	750200000020	007606130025	042057103054
511775	507141426240	200151723071	272020014470	247720072005	744035353605
522005	402145660730	201575675635	776100000020	006605740025	042057103054
201775	501555301623	200152212663	761620014515	045503532006	400076416673
702005	420563530455	201576207575	167300000020	007406010025	042057103054
351775	474215062217	200152507165	177020014542	351170542006	415023032614
272005	437036373322	201576524407	734400000020	007205720025	042057103054
371775	466736132331	200153003057	637120014567	140113222006	431615761353
122005	455155462464	201577042665	365200000020	007005730025	042057103054
101775	461523455061	200153300271	746720014613	576317002006	445762246215
132005	473136765107	201577363177	652600000020	007206140025	042057103054
201775	454345146331	200153577023	625420014637	476701272006	461332041666
102005	510754375313	201577705544	730400000020	007105710025	042057103054
171775	447251307441	200154077062	134220014664	027024002006	474472674057
152005	526444076323	201640115055	257700000020	007206120025	042057103054
151775	442231242776	200154400432	530120014710	510355212006	507312352621
102005	544001623574	201640270263	200200000020	006705630025	042060103054
171775	435264657227	200154703322	771320014735	323605412006	521611106136
152005	561205702461	201640444507	272700000020	007105740025	042060103054

4

DAY	FLUX	B	L	B/B0	R
22.9346	0.	0.009491	3.285139	1.080000	33.9
22.9348	2.398373E 01	0.009453	3.289805	1.080000	34.1
22.9350	1.713009E 00	0.009416	3.294471	1.080000	34.2
22.9352	4.282958E 01	0.009376	3.299252	1.079824	34.3
22.9354	0.	0.009339	3.303836	1.079965	34.4
22.9356	2.227049E 01	0.009303	3.308336	1.080132	34.5
22.9358	1.713009E 00	0.009269	3.312750	1.080633	34.7
22.9360	4.454296E 01	0.009234	3.317079	1.080880	34.9
22.9362	0.	0.009199	3.321323	1.081042	35.0
22.9364	2.741025E 01	0.009164	3.325482	1.081118	35.1
22.9366	3.426036E 00	0.009129	3.329336	1.080890	35.3
22.9368	4.796975E 01	0.009094	3.333512	1.080984	35.4
22.9370	0.	0.009059	3.337773	1.081152	35.6
22.9372	2.912354E 01	0.009023	3.342366	1.081673	35.7
22.9374	3.426036E 00	0.008988	3.346682	1.081908	35.8
22.9376	5.311005E 01	0.008955	3.350913	1.082057	35.9
22.9378	0.	0.008922	3.355060	1.082122	36.0
22.9380	3.597688E 01	0.008891	3.359020	1.082000	36.1
22.9469	4.968440E 01	0.007742	3.520091	1.084000	41.6
22.9471	5.139081E 00	0.007722	3.523243	1.084000	41.7
22.9473	5.482351E 01	0.007701	3.526309	1.084000	41.8
22.9475	0.	0.007681	3.529291	1.084000	41.9
22.9477	5.482502E 01	0.007659	3.532084	1.084103	42.0
22.9479	5.139081E 00	0.007640	3.534998	1.084000	42.1
22.9481	5.482351E 01	0.007621	3.537913	1.083812	42.31
22.9483	0.	0.007606	3.540827	1.083296	42.43
22.9485	5.653859E 01	0.007588	3.543742	1.083071	42.54
22.9487	5.139081E 00	0.007569	3.546656	1.082931	42.66
22.9489	5.653699E 01	0.007549	3.549571	1.082876	42.78
22.9491	0.	0.007527	3.552486	1.083000	42.89
22.9493	5.653859E 01	0.007507	3.555400	1.083000	43.01
22.9495	5.139081E 00	0.007489	3.558315	1.083000	43.13
22.9497	5.482351E 01	0.007473	3.561229	1.083000	43.24
22.9499	0.	0.007455	3.564144	1.083000	43.36
22.9501	5.996579E 01	0.007438	3.567058	1.083000	43.48
22.9503	5.139081E 00	0.007420	3.569973	1.083000	43.59
22.9505	5.825048E 01	0.007403	3.572971	1.083000	43.71
22.9507	0.	0.007385	3.575759	1.083000	43.83
22.9510	5.653859E 01	0.007368	3.578462	1.083000	43.94
22.9512	6.852143E 00	0.007349	3.580968	1.083000	44.06
22.9514	5.139660E 01	0.007333	3.583591	1.083000	44.18
22.9516	0.	0.007317	3.586214	1.083000	44.29
22.9518	6.167941E 01	0.007304	3.588837	1.083000	44.42
22.9520	8.565224E 00	0.007289	3.591460	1.083000	44.53
22.9522	5.139660E 01	0.007273	3.594083	1.083000	44.54
22.9524	0.	0.007257	3.596706	1.083000	44.73
22.9526	6.510671E 01	0.007237	3.599433	1.083000	44.85
22.9528	6.852143E 00	0.007220	3.601954	1.083000	44.89
22.9530	5.139660E 01	0.007205	3.604391	1.083000	45.00
22.9532	0.	0.007191	3.606498	1.083122	45.13
22.9534	6.510671E 01	0.007177	3.608895	1.083057	45.24
22.9536	6.852143E 00	0.007162	3.611376	1.082907	45.36
22.9538	5.139660E 01	0.007147	3.613943	1.082572	45.48
22.9540	0.	0.007133	3.616785	1.082161	45.59
22.9542	6.510671E 01	0.007118	3.619295	1.081933	45.71
22.9544	6.852143E 00	0.007104	3.621720	1.081890	45.83
22.9546	5.996399E 01	0.007089	3.624059	1.082000	45.94
22.9548	0.	0.007075	3.626314	1.082000	46.06
22.9550	6.853409E 01	0.007060	3.628484	1.082000	46.18
22.9552	8.565224E 00	0.007045	3.630568	1.082000	46.29
22.9554	5.139660E 01	0.007030	3.632398	1.082000	46.41
22.9556	0.	0.007017	3.634563	1.082000	46.52
22.9558	6.853409E 01	0.007004	3.636813	1.082000	46.64

4

PAGE 5

EXPL 15

B/BO	RA	DEC	FLA	FLO	ALT	DETECTOR NUMBER
1.080000	33.9885	57.1092	17.817	117.302	20965.	1
1.080000	34.1225	57.0974	17.824	117.383	20993.	2
1.080000	34.2480	57.0771	17.831	117.464	21020.	3
1.079884	34.3418	57.0250	17.837	117.541	21048.	4
1.079965	34.4666	57.0040	17.843	117.624	21075.	1
1.080132	34.5999	56.9915	17.850	117.710	21102.	2
1.080533	34.7542	57.0125	17.857	117.805	21130.	3
1.080880	34.9000	57.0080	17.864	117.892	21157.	4
1.081042	35.0457	56.9950	17.870	117.976	21183.	1
1.081118	35.1915	56.9735	17.875	118.057	21210.	2
1.080890	35.3483	56.9216	17.880	118.131	21237.	3
1.080984	35.4848	56.9017	17.885	118.209	21263.	4
1.081152	35.6127	56.8904	17.891	118.286	21289.	1
1.081673	35.7198	56.9124	17.896	118.363	21316.	2
1.081908	35.8364	56.9067	17.901	118.439	21342.	3
1.082057	35.9530	56.8925	17.906	118.516	21368.	4
1.082122	36.0697	56.8698	17.911	118.591	21393.	1
1.082000	36.1761	56.8183	17.915	118.667	21418.	2
1.084000	41.6170	56.6000	18.003	121.680	22413.	2
1.084000	41.7336	56.6000	18.003	121.743	22433.	3
1.084000	41.8502	56.6000	18.003	121.805	22452.	4
1.084000	41.9668	56.6000	18.002	121.867	22472.	1
1.084103	42.0834	56.6000	18.002	121.928	22491.	2
1.084000	42.1999	56.6000	18.001	121.990	22510.	3
1.083812	42.3165	56.6000	18.000	122.051	22529.	4
1.083296	42.4331	56.6000	17.999	122.112	22548.	1
1.083071	42.5497	56.6000	17.998	122.173	22567.	2
1.082931	42.6663	56.6000	17.997	122.233	22586.	3
1.082876	42.7828	56.6000	17.996	122.294	22604.	4
1.083000	42.8994	56.6000	17.995	122.353	22622.	1
1.083000	43.0160	56.6000	17.994	122.413	22641.	2
1.083000	43.1326	56.6000	17.992	122.473	22659.	3
1.083000	43.2492	56.6000	17.991	122.532	22677.	4
1.083000	43.3658	56.6000	17.989	122.592	22695.	1
1.083000	43.4823	56.6000	17.988	122.651	22713.	2
1.083000	43.5989	56.6000	17.986	122.710	22730.	3
1.083000	43.7155	56.5917	17.984	122.769	22747.	4
1.083000	43.8321	56.6043	17.982	122.827	22765.	1
1.083000	43.9487	56.6255	17.980	122.885	22782.	2
1.083000	44.0652	56.6775	17.978	122.943	22799.	3
1.083000	44.1818	56.6976	17.975	123.001	22815.	4
1.083000	44.2984	56.7093	17.973	123.059	22832.	1
1.083000	44.4274	56.7000	17.971	123.116	22849.	2
1.083000	44.5386	56.7000	17.968	123.174	22865.	3
1.083000	44.5414	56.7000	17.966	123.230	22882.	4
1.083000	44.7356	56.7000	17.963	123.287	22898.	1
1.083000	44.8305	56.7000	17.961	123.344	22915.	2
1.083000	44.8981	56.7000	17.958	123.400	22931.	3
1.083000	45.0042	56.7000	17.955	123.456	22947.	4
1.083122	45.1310	56.6878	17.952	123.513	22962.	1
1.083057	45.2476	56.6943	17.949	123.569	22978.	2
1.082907	45.3642	56.7093	17.946	123.625	22994.	3
1.082572	45.4807	56.7328	17.943	123.680	23009.	4
1.082161	45.5973	56.7839	17.940	123.735	23025.	1
1.081933	45.7139	56.8017	17.937	123.791	23040.	2
1.081890	45.8305	56.8110	17.933	123.846	23055.	3
1.082000	45.9471	56.8000	17.930	123.901	23070.	4
1.082000	46.0636	56.8000	17.926	123.956	23084.	1
1.082000	46.1802	56.8000	17.922	124.010	23099.	2
1.082000	46.2968	56.8000	17.919	124.065	23114.	3
1.082000	46.4133	56.7915	17.915	124.118	23128.	4
1.082000	46.5299	56.8040	17.911	124.172	23143.	1
1.082000	46.6465	56.8250	17.907	124.226	23157.	2

EXPLORER 15 CHARGED PARTICLES

ORBITS 0 - 4

ORBIT NUMBER	START TIME DAY HRMN
0	300 2331
1	301 340
2	301 855
3	301 1410
4	301 1925

TIME SPANS OF CONTINUOUS

DAY HRMN	DAY HRM
300 2331	300 233
300 2342	301 04
301 114	301 2
301 412	301 42
301 455	301 5
301 511	301 51
301 10 5	301 102
301 1050	301 112
301 1340	301 145
301 1539	301 174
301 18 4	301 184
301 2014	301 201

MAXIMUM AND MINIMUM VALU

COUNT A1	COUNT A2	COUNT D1	COUNT D2	3
9.534190E 04	3.592411E 03	3.633616E 04	6.313484E 03	0.262812
1.713007E 00	1.713006E 00	1.713009E 00	1.713009E 00	0.005994

5

15 CHARGED PARTICLES 62-059A-02A

ORBITS 0 - 4

START TIME DAY HRMN	STOP TIME DAY HRMN
300 2331	301 340
301 340	301 855
301 855	301 1410
301 1410	301 1925
301 1925	302 039

SPANS OF CONTINUOUS DATA

Y HRMN	DAY HRMN
0 2331	300 2331
0 2342	301 046
1 114	301 2 1
1 412	301 420
1 455	301 5 6
1 511	301 517
1 10 5	301 1025
1 1050	301 1122
1 1340	301 1459
1 1539	301 1747
1 13 4	301 1849
1 2014	301 2019

IMUM AND MINIMUM VALUES

UNT D2	B	L	B/B0	DEC	ALT
3484E 03	0.262812	4.45912	3.0349	81.2462	23978.
3009E 00	0.005994	1.06191	0.9999	24.4876	6907.

EXPLORER 15 CHARGED PARTICLES

ORBITS 5 - 9

ORBIT NUMBER	START TIME DAY HRMN	ST DAY
5	302 039	302
6	302 554	302
7	302 11 9	302
8	302 1624	302
9	302 2139	303

TIME SPANS OF CONTINUOUS DAT

DAY HRMN	DAY HRMN
302 1 7	302 136
302 2 3	302 414
302 713	302 744
302 838	302 9 9
302 915	302 918
302 1027	302 1124
302 1137	302 1137
302 1147	302 1156
302 22 5	302 21 4
302 2216	302 2240
303 031	303 254

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	3	
7.321495E 04	5.744343E 02	2.853832E 04	4.878194E 03	0.230549	1.
5.139066E 00	1.713003E 00	3.426035E 00	3.426036E 00	0.005913	1.

ER 15 CHARGED PARTICLES 52-059A-02A

ORBITS 5 - 9

START TIME DAY HRMN	STOP TIME DAY HRMN
302 039	302 554
302 554	302 11 9
302 11 9	302 1624
302 1624	302 2139
302 2139	303 254

IME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
302 1 7	302 136
302 2 3	302 414
302 713	302 744
302 838	302 9 9
302 915	302 918
302 1027	302 1124
302 1137	302 1137
302 1147	302 1156
302 20 5	302 21 4
302 2216	302 2240
303 031	303 254

MAXIMUM AND MINIMUM VALUES

COUNT 02	3	-	B/B0	DEC	ALT
.878194E 03	0.230549	1.41212	3.7007	84.3193	24006.
.426036E 00	0.005914	1.19759	0.9999	21.6878	7261.

ORBITS 10 - 14

ORBIT NUMBER	START TIME DAY HRMN	STOP TI DAY HRM
10	303 254	303 8 9
11	303 8 8	303 1323
12	303 1323	303 1838
13	303 1838	303 2353
14	303 2353	304 5 7

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
303 031	303 335
303 4 5	303 421
303 936	303 10 7
303 1310	303 1418
303 1445	303 1524
303 2012	304 036
304 042	304 043
304 049	304 049
304 056	304 1 0
304 120	304 5 7

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	B	L
3.372936E 04	6.830313E 02	3.237403E 04	5.141290E 03	0.330534	4.31111
1.713007E 00	1.713003E 00	1.713009E 00	1.713009E 00	0.006929	1.17158

BITS 10 - 14

TART TIME	STOP TIME
AY HRMN	DAY HRMN
3 254	303 8 8
3 8 8	303 1323
3 1323	303 1838
3 1838	303 2353
3 2353	304 5 7

NS OF CONTINUOUS DATA

MN	DAY HRMN
31	303 335
5	303 421
36	303 10 7
10	303 1418
45	303 1624
12	304 036
42	304 043
49	304 049
56	304 1 0
20	304 5 7

AND MINIMUM VALUES

D2	B	L	B/B0	DEC	ALT
E 03	0.330534	4.31111	2.9556	85.2244	24005.
E 00	0.006929	1.17158	1.0000	23.5888	6744.

EXPLORER 15 CHARGED PARTICLES

ORBITS 15 - 19

ORBIT NUMBER	START TIME DAY HRMN	STO DAY
15	304 5 7	304
16	304 1022	304
17	304 1537	304
18	304 2052	305
19	305 2 7	305

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
304 120	304 6 0
304 5 5	304 621
304 630	304 733
304 744	304 1113
304 1146	304 1548
304 1555	304 1625
304 1729	304 1749
304 20 7	304 2156
304 2220	305 152
305 330	305 617
305 525	305 721

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	B	L
4.948593E 04	6.538056E 02	3.233486E 04	4.165162E 03	0.300013	4.34
1.027826E 01	1.713003E 00	3.426035E 00	5.139081E 00	0.005529	1.10

CHARGED PARTICLES 62-059A-02A

ORBITS 15 - 19

START TIME DAY HRMN	STOP TIME DAY HRMN
304 5 7	304 1022
304 1022	304 1537
304 1537	304 2052
304 2052	305 2 7
305 2 7	305 721

SPANS OF CONTINUOUS DATA

HRMN	DAY HRMN
120	304 6 0
5 5	304 621
630	304 733
744	304 1113
1146	304 1548
1555	304 1525
1729	304 1749
20 7	304 2156
2220	305 132
330	305 617
525	305 721

UM AND MINIMUM VALUES

T 32	B	L	B/B0	DEC	ALT
62E 03	0.300013	4.34312	3.6441	89.6317	24005.
81E 00	0.005529	1.10170	0.9999	21.8977	6690.

ORBITS 20 - 24

ORBIT NUMBER	START TIME DAY HRMN	STOP TI DAY HRM
20	305 721	305 1236
21	305 1236	305 1751
22	305 1751	305 23 6
23	305 23 6	306 420
24	306 420	305 935

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
305 525	305 755
305 853	305 1022
305 1034	305 1246
305 1447	305 1852
305 1928	305 2055
305 2122	305 2314
305 2322	305 013
305 037	306 224
306 327	306 516
306 530	305 537
305 552	306 618
306 930	305 935

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	B	L
5.476452E 04	6.417721E 02	3.390831E 04	4.153436E 03	0.322759	4.25355
5.139066E 00	1.713003E 00	1.713009E 00	1.713009E 00	0.005499	1.12552

CHARGED PARTICLES 62-059A-02A

ORBITS 20 - 24

START TIME DAY HRMN	STOP TIME DAY HRMN
305 721	305 1236
305 1236	305 1751
305 1751	305 23 6
305 23 6	306 420
306 420	306 935

SPANS OF CONTINUOUS DATA

HRMN	DAY HRMN
523	305 755
853	305 1022
1034	305 1246
1447	305 1852
1928	305 2055
2122	305 2314
2322	305 013
037	306 224
327	306 516
530	306 537
552	306 618
930	305 935

UM AND MINIMUM VALUES

T D2	B	L	B/B0	DEC	ALT
06E 03	0.322759	4.25355	3.1350	89.3002	24004.
09E 00	0.005499	1.12552	0.9999	23.9877	6734.

EXPLORER 15 CHARGED PARTICLES

ORBITS 25 - 29

ORBIT NUMBER	START TIME DAY HRMN	STOP DAY
25	306 935	306 1
26	306 1450	305 2
27	305 20 4	307
28	307 119	307
29	307 634	307 1

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
305 930	306 1023
306 11 6	305 1113
306 1120	305 1539
305 1523	305 2115
306 2133	306 2241
306 23 3	307 232
307 3 0	307 420
307 427	307 7 5
307 813	307 1149

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	B	L
3.928598E 04	6.280211E 02	3.487352E 04	4.703615E 03	0.254379	4.26
2.740988E 01	1.713003E 00	3.426035E 00	1.713009E 00	0.005499	1.15

CHARGED PARTICLES 62-059A-02A

ORBITS 25 - 29

START TIME DAY HRMN	STOP TIME DAY HRMN
306 935	306 1450
306 1450	305 20 4
305 20 4	307 119
307 119	307 534
307 634	307 1149

SPANS OF CONTINUOUS DATA

HRMN	DAY HRMN
930	306 1023
11 6	305 1113
1120	305 1539
1523	305 2115
2133	306 2241
23 3	307 232
3 0	307 420
427	307 7 5
813	307 1149

UM AND MINIMUM VALUES

T D2	B	L	B/B0	DEC	ALT
15E 03	0.254379	4.26912	3.5328	88.0125	24004.
09E 00	0.005499	1.15823	0.9999	22.3970	7197.

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME FOR

TIME L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2-1.3	14	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3-1.4	25	7	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	10	27	0	0	0	0	0	0	0	0	0	0	0	0
1.5-1.6	0	30	6	0	0	0	0	0	0	0	0	0	0	0
1.6-1.7	0	19	17	0	0	0	0	0	0	0	0	0	0	0
1.7-1.8	0	5	33	1	0	0	0	0	0	0	0	0	0	8
1.8-1.9	0	0	27	12	0	0	0	0	0	0	0	0	0	24
1.9-2.0	0	0	21	22	0	0	0	0	0	0	0	0	0	35
2.0-2.1	0	0	10	33	0	0	0	0	0	0	0	0	8	27
2.1-2.2	0	0	3	34	11	0	0	0	0	0	0	0	23	24
2.2-2.3	0	0	0	24	18	0	0	0	0	0	0	0	28	15
2.3-2.4	0	0	0	13	19	0	0	0	0	0	0	0	42	8
2.4-2.5	0	0	0	15	32	0	0	0	0	0	0	4	44	3
2.5-2.6	0	0	0	3	31	13	0	0	0	0	0	28	31	0
2.6-2.7	0	0	0	0	31	19	0	0	0	0	0	37	17	0
2.7-2.8	0	0	0	0	29	25	0	0	0	0	0	46	9	0
2.8-2.9	0	0	0	0	21	38	0	0	0	0	0	50	0	0
2.9-3.0	0	0	0	0	17	44	6	0	0	0	1	66	0	0
3.0-3.1	0	0	0	0	12	28	23	0	0	0	23	50	0	0
3.1-3.2	0	0	0	0	2	31	30	0	0	0	56	18	0	0
3.2-3.3	0	0	0	0	0	28	35	0	0	0	78	2	0	0
3.3-3.4	0	0	0	0	0	23	44	0	0	0	84	0	0	0
3.4-3.5	0	0	0	0	0	26	33	19	0	6	92	0	0	0
3.5-3.6	0	0	0	0	0	20	22	51	0	47	66	0	0	0
3.6-3.7	0	0	0	0	0	9	27	65	0	103	18	0	0	0
3.7-3.8	0	0	0	0	0	0	37	70	72	139	2	0	0	0
3.8-3.9	0	0	0	0	0	0	34	19	119	85	0	0	0	0
3.9-4.0	0	0	0	0	0	0	29	16	43	51	0	0	0	0
4.0-4.1	0	0	0	0	0	0	13	35	39	42	0	0	0	0
4.1-4.2	0	0	0	0	0	0	4	58	58	22	0	0	0	0
4.2-4.3	0	0	0	0	0	0	0	73	71	5	0	0	0	0
4.3-4.4	0	0	0	0	0	0	0	39	60	0	0	0	0	0
4.4-4.5	0	0	0	0	0	0	0	15	30	0	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6

TAPE #1

PAGE 93

PAGE 8

5 CHARGED PARTICLES 62-059A-02A

ES OF _ AND LOCAL TIME FOR THIS TAPE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	4	3	2	1	2	3
0	0	0	0	0	0	0	2	4	0	0	0	0	3	9
0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	5	7	2	5	0	0	0	0	0
0	0	0	0	0	5	12	3	3	0	0	0	0	0	0
0	0	0	0	0	26	5	4	5	0	0	0	0	0	0
0	0	0	0	8	17	3	10	0	0	0	0	0	0	0
0	0	0	0	24	12	9	2	0	0	0	0	0	0	0
0	0	0	0	35	10	5	0	0	0	0	0	0	0	0
0	0	0	8	27	12	0	0	0	0	0	0	0	0	0
0	0	0	23	24	3	0	0	0	0	0	0	0	0	0
0	0	0	28	15	1	0	0	0	0	0	0	0	0	0
0	0	0	42	8	0	0	0	0	0	0	0	0	0	0
0	0	4	44	3	0	0	0	0	0	0	0	0	0	0
0	0	28	31	0	0	0	0	0	0	0	0	0	0	0
0	0	37	17	0	0	0	0	0	0	0	0	0	0	0
0	0	46	9	0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	0	0	0	0	0	0	0	0	0	0
0	1	66	0	0	0	0	0	0	0	0	0	0	0	0
0	23	50	0	0	0	0	0	0	0	0	0	0	0	0
0	56	18	0	0	0	0	0	0	0	0	0	0	0	0
0	78	2	0	0	0	0	0	0	0	0	0	0	0	0
0	84	0	0	0	0	0	0	0	0	0	0	0	0	0
6	92	0	0	0	0	0	0	0	0	0	0	0	0	0
47	66	0	0	0	0	0	0	0	0	0	0	0	0	0
103	18	0	0	0	0	0	0	0	0	0	0	0	0	0
139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME

TIME L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13	1
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
1.1-1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	
1.2-1.3	5	0	0	0	0	0	0	0	0	0	0	0	0	
1.3-1.4	47	1	0	0	0	0	0	0	0	0	0	0	0	
1.4-1.5	39	25	0	0	0	0	0	0	0	0	0	0	0	
1.5-1.6	17	63	3	0	0	0	0	0	0	0	0	0	0	
1.6-1.7	2	51	30	0	0	0	0	0	0	0	0	0	0	
1.7-1.8	0	41	54	0	0	0	0	0	0	0	0	0	0	1
1.8-1.9	0	20	63	15	0	0	0	0	0	0	0	0	0	5
1.9-2.0	0	1	63	41	0	0	0	0	0	0	0	0	0	9
2.0-2.1	0	0	47	50	0	0	0	0	0	0	0	0	35	7
2.1-2.2	0	0	34	30	15	0	0	0	0	0	0	0	84	5
2.2-2.3	0	0	8	74	48	0	0	0	0	0	0	0	108	4
2.3-2.4	0	0	0	73	73	0	0	0	0	0	0	6	133	4
2.4-2.5	0	0	0	53	89	0	0	0	0	0	0	64	93	3
2.5-2.6	0	0	0	35	94	24	0	0	0	0	0	118	72	1
2.6-2.7	0	0	0	11	86	67	0	0	0	0	0	151	73	
2.7-2.8	0	0	0	0	82	93	0	0	0	0	0	198	50	
2.8-2.9	0	0	0	0	58	127	0	0	0	0	24	202	33	
2.9-3.0	0	0	0	0	56	150	7	0	0	0	98	147	9	
3.0-3.1	0	0	0	0	28	117	86	0	0	0	185	112	0	
3.1-3.2	0	0	0	0	4	122	123	0	0	0	228	73	0	
3.2-3.3	0	0	0	0	0	111	161	0	0	0	294	36	0	
3.3-3.4	0	0	0	0	0	89	222	0	0	30	322	10	0	
3.4-3.5	0	0	0	0	0	54	205	76	0	160	244	0	0	
3.5-3.6	0	0	0	0	0	26	178	205	0	314	145	0	0	
3.6-3.7	0	0	0	0	0	3	172	347	8	533	42	0	0	
3.7-3.8	0	0	0	0	0	0	144	449	473	502	4	0	0	
3.8-3.9	0	0	0	0	0	0	35	307	1038	306	0	0	0	
3.9-4.0	0	0	0	0	0	0	41	295	413	74	0	0	0	
4.0-4.1	0	0	0	0	0	0	11	182	182	17	0	0	0	
4.1-4.2	0	0	0	0	0	0	0	95	141	0	0	0	0	
4.2-4.3	0	0	0	0	0	0	0	27	34	0	0	0	0	
4.3-4.4	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.4-4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	

TAPE # 2

PAGE 94

ARGED PARTICLES 52-059A-02A

L AND LOCAL TIME FOR THIS TAPE

11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	1	5	4	0	0	0
0	0	0	0	0	0	0	4	11	2	1	4	17	4
0	0	0	0	0	0	4	17	3	2	1	0	7	43
0	0	0	0	0	2	13	6	7	1	0	0	0	11
0	0	0	0	0	31	16	11	6	0	0	0	0	2
0	0	0	0	14	33	11	13	3	0	0	0	0	0
0	0	0	0	55	24	19	7	0	0	0	0	0	0
0	0	0	14	54	21	19	0	0	0	0	0	0	0
0	0	0	55	39	21	5	0	0	0	0	0	0	0
0	0	0	92	29	24	0	0	0	0	0	0	0	0
0	0	35	73	31	9	0	0	0	0	0	0	0	0
0	0	84	57	30	0	0	0	0	0	0	0	0	0
0	0	108	45	19	0	0	0	0	0	0	0	0	0
0	6	133	48	3	0	0	0	0	0	0	0	0	0
0	64	93	31	0	0	0	0	0	0	0	0	0	0
0	118	72	18	0	0	0	0	0	0	0	0	0	0
0	151	73	3	0	0	0	0	0	0	0	0	0	0
0	198	50	0	0	0	0	0	0	0	0	0	0	0
24	202	33	0	0	0	0	0	0	0	0	0	0	0
98	147	9	0	0	0	0	0	0	0	0	0	0	0
185	112	0	0	0	0	0	0	0	0	0	0	0	0
228	73	0	0	0	0	0	0	0	0	0	0	0	0
294	36	0	0	0	0	0	0	0	0	0	0	0	0
322	10	0	0	0	0	0	0	0	0	0	0	0	0
244	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME

TIME / L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2-1.3	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3-1.4	18	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	33	9	0	0	0	0	0	0	0	0	0	0	0
1.5-1.6	41	36	0	0	0	0	0	0	0	0	0	0	0
1.6-1.7	33	41	25	0	0	0	0	0	0	0	0	0	0
1.7-1.8	2	48	55	0	0	0	0	0	0	0	0	0	0
1.8-1.9	0	46	62	10	0	0	0	0	0	0	0	0	0
1.9-2.0	0	17	58	55	0	0	0	0	0	0	0	0	1
2.0-2.1	0	0	68	70	0	0	0	0	0	0	0	0	30
2.1-2.2	0	0	44	91	5	0	0	0	0	0	0	0	60
2.2-2.3	0	0	12	76	64	0	0	0	0	0	0	0	84
2.3-2.4	0	0	0	75	87	0	0	0	0	0	0	15	84
2.4-2.5	0	0	0	50	110	0	0	0	0	0	0	58	58
2.5-2.6	0	0	0	23	145	9	0	0	0	0	0	92	51
2.6-2.7	0	0	0	2	126	70	0	0	0	0	0	106	41
2.7-2.8	0	0	0	0	90	112	0	0	0	0	10	129	45
2.8-2.9	0	0	0	0	48	173	0	0	0	0	75	83	38
2.9-3.0	0	0	0	0	21	218	0	0	0	0	114	75	31
3.0-3.1	0	0	0	0	1	214	35	0	0	0	146	59	20
3.1-3.2	0	0	0	0	0	144	122	0	0	0	180	62	3
3.2-3.3	0	0	0	0	0	82	204	1	0	33	137	63	0
3.3-3.4	0	0	0	0	0	26	290	0	0	139	124	46	0
3.4-3.5	0	0	0	0	0	3	353	14	0	212	108	26	0
3.5-3.6	0	0	0	0	0	0	298	144	1	290	104	7	0
3.6-3.7	0	0	0	0	0	0	110	454	155	253	97	0	0
3.7-3.8	0	0	0	0	0	0	19	730	680	176	76	0	0
3.8-3.9	0	0	0	0	0	0	0	399	504	153	35	0	0
3.9-4.0	0	0	0	0	0	0	0	76	264	141	10	0	0
4.0-4.1	0	0	0	0	0	0	0	33	132	99	1	0	0
4.1-4.2	0	0	0	0	0	0	0	0	120	32	0	0	0
4.2-4.3	0	0	0	0	0	0	0	0	15	4	0	0	0
4.3-4.4	0	0	0	0	0	0	0	0	0	0	0	0	0
4.4-4.5	0	0	0	0	0	0	0	0	0	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0

RGED PARTICLES 62-0594-02A
. AND LOCAL TIME FOR THIS TAPE

11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	3	3	4	3	0	0
0	0	0	0	0	0	0	13	9	11	9	13	20	1
0	0	0	0	0	0	11	15	6	2	0	2	18	23
0	0	0	0	0	5	14	6	2	0	0	0	5	25
0	0	0	0	0	21	12	8	0	0	0	0	0	22
0	0	0	0	13	20	15	4	0	0	0	0	0	2
0	0	0	0	39	17	14	0	0	0	0	0	0	0
0	0	0	13	33	19	5	0	0	0	0	0	0	0
0	0	0	46	27	23	0	0	0	0	0	0	0	0
0	0	1	55	25	12	0	0	0	0	0	0	0	0
0	0	30	51	26	4	0	0	0	0	0	0	0	0
0	0	60	38	21	0	0	0	0	0	0	0	0	0
0	0	84	28	13	0	0	0	0	0	0	0	0	0
0	15	84	35	4	0	0	0	0	0	0	0	0	0
0	58	58	27	0	0	0	0	0	0	0	0	0	0
0	92	51	25	0	0	0	0	0	0	0	0	0	0
0	106	41	13	0	0	0	0	0	0	0	0	0	0
10	129	45	2	0	0	0	0	0	0	0	0	0	0
75	83	38	0	0	0	0	0	0	0	0	0	0	0
14	75	31	0	0	0	0	0	0	0	0	0	0	0
46	59	20	0	0	0	0	0	0	0	0	0	0	0
80	62	3	0	0	0	0	0	0	0	0	0	0	0
37	63	0	0	0	0	0	0	0	0	0	0	0	0
24	46	0	0	0	0	0	0	0	0	0	0	0	0
08	26	0	0	0	0	0	0	0	0	0	0	0	0
04	7	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME

TIME / L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2-1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3-1.4	20	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	35	17	0	0	0	0	0	0	0	0	0	0	0	0
1.5-1.6	44	47	0	0	0	0	0	0	0	0	0	0	0	0
1.6-1.7	56	53	23	0	0	0	0	0	0	0	0	0	0	0
1.7-1.8	7	31	67	0	0	0	0	0	0	0	0	0	0	5
1.8-1.9	0	50	97	0	0	0	0	0	0	0	0	0	0	41
1.9-2.0	0	3	109	37	0	0	0	0	0	0	0	0	8	71
2.0-2.1	0	0	74	33	0	0	0	0	0	0	0	0	44	53
2.1-2.2	0	0	18	157	1	0	0	0	0	0	0	0	72	42
2.2-2.3	0	0	0	145	39	0	0	0	0	0	0	0	94	40
2.3-2.4	0	0	0	39	107	0	0	0	0	0	0	26	86	32
2.4-2.5	0	0	0	0	130	0	0	0	0	0	0	59	58	22
2.5-2.6	0	0	0	0	212	0	0	0	0	0	0	86	50	17
2.6-2.7	0	0	0	0	192	29	0	0	0	0	0	115	43	5
2.7-2.8	0	0	0	0	98	140	0	0	0	0	20	121	45	0
2.8-2.9	0	0	0	0	5	242	0	0	0	0	83	75	39	0
2.9-3.0	0	0	0	0	0	261	0	0	0	0	126	63	26	0
3.0-3.1	0	0	0	0	0	257	1	0	0	0	154	57	13	0
3.1-3.2	0	0	0	0	0	241	60	0	0	1	134	63	7	0
3.2-3.3	0	0	0	0	0	50	275	0	0	93	135	51	0	0
3.3-3.4	0	0	0	0	0	21	344	0	0	175	91	47	0	0
3.4-3.5	0	0	0	0	0	8	398	0	0	247	81	39	0	0
3.5-3.6	0	0	0	0	0	0	359	141	49	307	71	31	0	0
3.6-3.7	0	0	0	0	0	0	139	582	384	175	64	14	0	0
3.7-3.8	0	0	0	0	0	0	81	553	510	131	67	1	0	0
3.8-3.9	0	0	0	0	0	0	55	249	254	97	62	0	0	0
3.9-4.0	0	0	0	0	0	0	23	190	157	37	43	0	0	0
4.0-4.1	0	0	0	0	0	0	15	144	130	97	32	0	0	0
4.1-4.2	0	0	0	0	0	0	3	123	102	105	12	0	0	0
4.2-4.3	0	0	0	0	0	0	0	65	214	108	3	0	0	0
4.3-4.4	0	0	0	0	0	0	0	44	77	59	0	0	0	0
4.4-4.5	0	0	0	0	0	0	0	28	124	41	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	10	53	17	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	27	2	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TAPE # 2
PAGE 96

PAGE 56

15 CHARGED PARTICLES 52-059A-02A

UES OF L AND LOCAL TIME FOR THIS TAPE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	0	9	7	11	2	0	0
0	0	0	0	0	0	0	3	22	14	9	13	16	13	1
0	0	0	0	0	0	2	29	15	4	0	4	7	17	15
0	0	0	0	0	0	22	25	7	0	0	0	7	20	12
0	0	0	0	0	10	40	21	0	0	0	0	0	14	35
0	0	0	0	0	35	26	5	0	0	0	0	0	0	27
0	0	0	0	5	15	27	0	0	0	0	0	0	0	0
0	0	0	0	41	45	14	0	0	0	0	0	0	0	0
0	0	0	0	51	35	3	0	0	0	0	0	0	0	0
0	0	0	8	73	31	1	0	0	0	0	0	0	0	0
0	0	0	44	53	18	0	0	0	0	0	0	0	0	0
0	0	0	72	42	15	0	0	0	0	0	0	0	0	0
0	0	0	94	40	3	0	0	0	0	0	0	0	0	0
0	0	26	86	32	0	0	0	0	0	0	0	0	0	0
0	0	59	58	22	0	0	0	0	0	0	0	0	0	0
0	0	86	50	17	0	0	0	0	0	0	0	0	0	0
0	0	115	43	5	0	0	0	0	0	0	0	0	0	0
0	20	121	45	0	0	0	0	0	0	0	0	0	0	0
0	83	75	39	0	0	0	0	0	0	0	0	0	0	0
0	126	63	26	0	0	0	0	0	0	0	0	0	0	0
0	154	57	13	0	0	0	0	0	0	0	0	0	0	0
1	134	63	7	0	0	0	0	0	0	0	0	0	0	0
93	135	51	0	0	0	0	0	0	0	0	0	0	0	0
175	91	47	0	0	0	0	0	0	0	0	0	0	0	0
247	81	39	0	0	0	0	0	0	0	0	0	0	0	0
337	71	31	0	0	0	0	0	0	0	0	0	0	0	0
175	64	14	0	0	0	0	0	0	0	0	0	0	0	0
131	67	1	0	0	0	0	0	0	0	0	0	0	0	0
97	62	0	0	0	0	0	0	0	0	0	0	0	0	0
37	43	0	0	0	0	0	0	0	0	0	0	0	0	0
97	32	0	0	0	0	0	0	0	0	0	0	0	0	0
135	12	0	0	0	0	0	0	0	0	0	0	0	0	0
108	3	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME FOR

TIME / L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2-1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3-1.4	28	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	51	11	0	0	0	0	0	0	0	0	0	0	0	0
1.5-1.6	84	69	0	0	0	0	0	0	0	0	0	0	0	3
1.6-1.7	26	123	15	0	0	0	0	0	0	0	0	0	0	38
1.7-1.8	0	72	99	0	0	0	0	0	0	0	0	0	0	79
1.8-1.9	0	4	163	0	0	0	0	0	0	0	0	0	5	76
1.9-2.0	0	0	131	60	0	0	0	0	0	0	0	0	44	75
2.0-2.1	0	0	16	155	0	0	0	0	0	0	0	0	74	44
2.1-2.2	0	0	0	165	0	0	0	0	0	0	0	0	100	34
2.2-2.3	0	0	0	175	5	0	0	0	0	0	0	13	93	20
2.3-2.4	0	0	0	73	108	0	0	0	0	0	0	58	79	10
2.4-2.5	0	0	0	11	190	0	0	0	0	0	0	86	53	6
2.5-2.6	0	0	0	1	198	0	0	0	0	0	0	120	40	1
2.6-2.7	0	0	0	0	217	0	0	0	0	0	0	101	34	0
2.7-2.8	0	0	0	0	152	70	0	0	0	0	45	97	25	0
2.8-2.9	0	0	0	0	62	172	0	0	0	0	94	70	15	0
2.9-3.0	0	0	0	0	26	207	0	0	0	0	121	60	10	0
3.0-3.1	0	0	0	0	13	239	0	0	0	0	145	51	4	0
3.1-3.2	0	0	0	0	1	250	5	0	0	8	159	43	0	0
3.2-3.3	0	0	0	0	0	162	113	0	0	94	111	40	0	0
3.3-3.4	0	0	0	0	0	88	210	0	0	158	75	34	0	0
3.4-3.5	0	0	0	0	0	68	271	0	0	219	51	27	0	0
3.5-3.6	0	0	0	0	0	45	326	21	35	247	59	19	0	0
3.6-3.7	0	0	0	0	0	35	214	276	255	142	54	7	0	0
3.7-3.8	0	0	0	0	0	15	147	510	436	91	66	1	0	0
3.8-3.9	0	0	0	0	0	12	129	231	220	75	53	0	0	0
3.9-4.0	0	0	0	0	0	5	106	165	155	66	44	0	0	0
4.0-4.1	0	0	0	0	0	0	87	111	71	59	38	0	0	0
4.1-4.2	0	0	0	0	0	0	64	102	88	73	30	0	0	0
4.2-4.3	0	0	0	0	0	0	59	101	69	73	15	0	0	0
4.3-4.4	0	0	0	0	0	0	36	109	109	82	0	0	0	0
4.4-4.5	0	0	0	0	0	0	31	89	79	53	0	0	0	0
4.5-4.6	0	0	0	0	0	0	13	100	98	59	0	0	0	0
4.6-4.7	0	0	0	0	0	0	1	107	110	40	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	68	77	16	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	38	39	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	8	20	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TAPE # 5

PAGE 97

PAGE 70

CHARGED PARTICLES 62-059A-02A

OF L AND LOCAL TIME FOR THIS TAPE

0	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	1	8	8	4	0	0	0
0	0	0	0	0	0	0	17	27	21	18	18	12	10	0
0	0	0	0	0	0	19	57	20	3	0	0	5	18	31
0	0	0	0	0	3	71	22	0	0	0	2	18	15	25
0	0	0	0	0	46	44	0	0	0	0	0	2	26	54
0	0	0	0	3	79	12	0	0	0	0	0	0	0	13
0	0	0	0	38	56	3	0	0	0	0	0	0	0	0
0	0	0	0	79	25	0	0	0	0	0	0	0	0	0
0	0	0	5	76	14	0	0	0	0	0	0	0	0	0
0	0	0	44	75	7	0	0	0	0	0	0	0	0	0
0	0	0	74	44	2	0	0	0	0	0	0	0	0	0
0	0	0	100	34	0	0	0	0	0	0	0	0	0	0
0	0	13	93	20	0	0	0	0	0	0	0	0	0	0
0	0	58	79	10	0	0	0	0	0	0	0	0	0	0
0	0	86	53	6	0	0	0	0	0	0	0	0	0	0
0	0	120	40	1	0	0	0	0	0	0	0	0	0	0
0	0	131	34	0	0	0	0	0	0	0	0	0	0	0
0	45	97	25	0	0	0	0	0	0	0	0	0	0	0
0	94	70	15	0	0	0	0	0	0	0	0	0	0	0
0	121	60	10	0	0	0	0	0	0	0	0	0	0	0
0	145	51	4	0	0	0	0	0	0	0	0	0	0	0
8	159	43	0	0	0	0	0	0	0	0	0	0	0	0
4	111	40	0	0	0	0	0	0	0	0	0	0	0	0
8	75	34	0	0	0	0	0	0	0	0	0	0	0	0
9	51	27	0	0	0	0	0	0	0	0	0	0	0	0
7	59	19	0	0	0	0	0	0	0	0	0	0	0	0
2	54	7	0	0	0	0	0	0	0	0	0	0	0	0
1	66	1	0	0	0	0	0	0	0	0	0	0	0	0
5	53	0	0	0	0	0	0	0	0	0	0	0	0	0
6	44	0	0	0	0	0	0	0	0	0	0	0	0	0
9	38	0	0	0	0	0	0	0	0	0	0	0	0	0
3	30	0	0	0	0	0	0	0	0	0	0	0	0	0
3	15	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME

TIME / L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2-1.3	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3-1.4	52	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	142	17	0	0	0	0	0	0	0	0	0	0	0
1.5-1.6	64	127	0	0	0	0	0	0	0	0	0	0	0
1.6-1.7	11	171	8	0	0	0	0	0	0	0	0	0	0
1.7-1.8	2	80	115	0	0	0	0	0	0	0	0	0	7
1.8-1.9	0	32	185	0	0	0	0	0	0	0	0	0	151
1.9-2.0	0	17	184	15	0	0	0	0	0	0	0	0	248
2.0-2.1	0	5	117	115	0	0	0	0	0	0	0	1	280
2.1-2.2	0	3	64	150	0	0	0	0	0	0	0	96	207
2.2-2.3	0	0	41	203	0	0	0	0	0	0	0	211	96
2.3-2.4	0	0	28	209	23	0	0	0	0	0	0	249	52
2.4-2.5	0	0	15	153	95	0	0	0	0	0	1	277	29
2.5-2.6	0	0	10	49	170	0	0	0	0	0	57	236	17
2.6-2.7	0	0	3	79	217	0	0	0	0	0	153	159	7
2.7-2.8	0	0	0	53	245	1	0	0	0	0	235	115	0
2.8-2.9	0	0	0	30	225	44	0	0	0	0	279	75	0
2.9-3.0	0	0	0	30	176	141	0	0	0	3	312	50	0
3.0-3.1	0	0	0	20	119	213	0	0	0	78	256	37	0
3.1-3.2	0	0	0	13	96	270	0	0	0	153	192	23	0
3.2-3.3	0	0	0	5	83	315	3	0	0	247	149	16	0
3.3-3.4	0	0	0	2	67	299	78	0	0	299	127	5	0
3.4-3.5	0	0	0	0	51	195	234	0	38	331	112	2	0
3.5-3.6	0	0	0	0	48	159	355	0	180	292	82	0	0
3.6-3.7	0	0	0	0	35	140	483	38	399	233	64	0	0
3.7-3.8	0	0	0	0	26	129	300	800	577	130	46	0	0
3.8-3.9	0	0	0	0	19	119	218	454	348	156	36	0	0
3.9-4.0	0	0	0	0	6	107	184	264	251	143	21	0	0
4.0-4.1	0	0	0	0	0	97	161	271	219	128	10	0	0
4.1-4.2	0	0	0	0	0	81	148	195	135	117	5	0	0
4.2-4.3	0	0	0	0	0	53	128	125	176	102	0	0	0
4.3-4.4	0	0	0	0	0	51	140	144	139	59	0	0	0
4.4-4.5	0	0	0	0	0	34	152	175	180	46	0	0	0
4.5-4.6	0	0	0	0	0	12	150	127	139	34	0	0	0
4.6-4.7	0	0	0	0	0	0	131	152	126	25	0	0	0
4.7-4.8	0	0	0	0	0	0	114	155	103	3	0	0	0
4.8-4.9	0	0	0	0	0	0	76	145	108	0	0	0	0
4.9-5.0	0	0	0	0	0	0	23	240	91	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	75	13	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0

TAPE # 6

PAGE 98

CHARGED PARTICLES 52-059A-02A

S OF L AND LOCAL TIME FOR THIS TAPE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	0	3	10	7	0	0	0
0	0	0	0	0	0	0	9	19	8	4	13	31	23	0
0	0	0	0	0	0	22	47	12	5	0	0	3	38	47
0	0	0	0	0	18	116	54	49	24	13	12	18	35	84
0	0	0	0	0	133	92	26	6	0	0	0	0	1	31
0	0	0	0	44	224	28	0	0	0	0	0	0	0	0
0	0	0	0	215	51	0	0	0	0	0	0	0	0	0
0	0	0	7	267	5	0	0	0	0	0	0	0	0	0
0	0	0	151	129	0	0	0	0	0	0	0	0	0	0
0	0	0	248	37	0	0	0	0	0	0	0	0	0	0
0	0	1	280	9	0	0	0	0	0	0	0	0	0	0
0	0	96	207	4	0	0	0	0	0	0	0	0	0	0
0	0	211	96	0	0	0	0	0	0	0	0	0	0	0
0	0	249	52	0	0	0	0	0	0	0	0	0	0	0
0	1	277	29	0	0	0	0	0	0	0	0	0	0	0
0	57	236	17	0	0	0	0	0	0	0	0	0	0	0
0	153	159	7	0	0	0	0	0	0	0	0	0	0	0
0	235	115	0	0	0	0	0	0	0	0	0	0	0	0
0	279	75	0	0	0	0	0	0	0	0	0	0	0	0
3	312	50	0	0	0	0	0	0	0	0	0	0	0	0
78	256	37	0	0	0	0	0	0	0	0	0	0	0	0
53	192	23	0	0	0	0	0	0	0	0	0	0	0	0
47	149	16	0	0	0	0	0	0	0	0	0	0	0	0
99	127	5	0	0	0	0	0	0	0	0	0	0	0	0
31	112	2	0	0	0	0	0	0	0	0	0	0	0	0
92	32	0	0	0	0	0	0	0	0	0	0	0	0	0
33	64	0	0	0	0	0	0	0	0	0	0	0	0	0
20	46	0	0	0	0	0	0	0	0	0	0	0	0	0
56	36	0	0	0	0	0	0	0	0	0	0	0	0	0
43	21	0	0	0	0	0	0	0	0	0	0	0	0	0
28	10	0	0	0	0	0	0	0	0	0	0	0	0	0
17	5	0	0	0	0	0	0	0	0	0	0	0	0	0
02	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF L AND LOCAL TIME

TIME / L RANGE	1	2	3	4	5	6	7	8	9	10	11	12	13	1
1.0-1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
1.1-1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	
1.2-1.3	19	0	0	0	0	0	0	0	0	0	0	0	0	
1.3-1.4	190	8	0	0	0	0	0	0	0	0	0	0	0	
1.4-1.5	310	107	0	0	0	0	0	0	0	0	0	0	0	
1.5-1.6	250	372	9	0	0	0	0	0	0	0	0	0	0	4
1.6-1.7	128	453	123	0	0	0	0	0	0	0	0	0	0	26
1.7-1.8	11	327	425	[illegible]	0	0	0	0	0	0	0	0	7	42
1.8-1.9	0	162	597	45	0	0	0	0	0	0	0	0	156	40
1.9-2.0	0	38	555	231	0	0	0	0	0	0	0	0	301	37
2.0-2.1	0	5	332	530	0	0	0	0	0	0	0	1	472	26
2.1-2.2	0	3	153	703	32	0	0	0	0	0	0	96	546	19
2.2-2.3	0	0	61	703	174	0	0	0	0	0	0	224	503	14
2.3-2.4	0	0	23	542	417	0	0	0	0	0	0	354	475	13
2.4-2.5	0	0	16	302	696	0	0	0	0	0	1	548	335	8
2.5-2.6	0	0	10	155	850	45	0	0	0	0	57	680	261	6
2.6-2.7	0	0	3	92	869	185	0	0	0	0	153	699	215	2
2.7-2.8	0	0	0	53	595	442	0	0	0	0	310	706	173	
2.8-2.9	0	0	0	39	430	796	0	0	0	0	555	566	125	
2.9-3.0	0	0	0	30	295	1021	13	0	0	8	772	461	76	
3.0-3.1	0	0	0	20	173	1078	145	0	0	78	939	366	42	
3.1-3.2	0	0	0	13	103	1053	340	0	0	172	999	282	10	
3.2-3.3	0	0	0	5	83	759	792	1	0	472	954	208	0	
3.3-3.4	0	0	0	2	57	551	1138	0	0	802	823	142	0	
3.4-3.5	0	0	0	0	51	355	1499	109	33	1175	598	94	0	
3.5-3.6	0	0	0	0	48	251	1539	563	265	1497	528	57	0	
3.6-3.7	0	0	0	0	35	187	1145	1762	1211	1454	349	21	0	
3.7-3.8	0	0	0	0	25	144	728	3112	2753	1319	261	2	0	
3.8-3.9	0	0	0	0	19	131	521	1559	2433	373	136	0	0	
3.9-4.0	0	0	0	0	6	112	383	1006	1298	567	123	0	0	
4.0-4.1	0	0	0	0	0	97	289	775	773	452	81	0	0	
4.1-4.2	0	0	0	0	0	81	219	574	704	349	47	0	0	
4.2-4.3	0	0	0	0	0	63	187	393	579	297	18	0	0	
4.3-4.4	0	0	0	0	0	51	176	336	405	210	0	0	0	
4.4-4.5	0	0	0	0	0	34	183	307	413	150	0	0	0	
4.5-4.6	0	0	0	0	0	12	163	237	315	110	0	0	0	
4.6-4.7	0	0	0	0	0	0	132	259	253	57	0	0	0	
4.7-4.8	0	0	0	0	0	0	114	223	180	24	0	0	0	
4.8-4.9	0	0	0	0	0	0	76	183	237	0	0	0	0	
4.9-5.0	0	0	0	0	0	0	23	248	111	0	0	0	0	
5.0-5.1	0	0	0	0	0	0	0	75	13	0	0	0	0	
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	

TAPES 1-6 COMBINED

15 CHARGED PARTICLES 62-0594-02A

UES OF _ AND LOCAL TIME FOR THESE TAPES

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	1	24	34	30	5	1	0
0	0	0	0	0	0	0	29	85	67	47	56	77	85	14
0	0	0	0	0	0	43	150	93	21	4	5	17	101	168
0	0	0	0	0	21	215	134	71	33	14	14	43	75	153
0	0	0	0	0	204	233	82	27	11	0	0	2	41	145
0	0	0	0	47	371	131	34	20	3	0	0	0	0	47
0	0	0	0	260	282	76	37	13	0	0	0	0	0	0
0	0	0	7	424	135	57	34	0	0	0	0	0	0	0
0	0	0	156	402	127	56	7	0	0	0	0	0	0	0
0	0	0	301	379	103	43	0	0	0	0	0	0	0	0
0	0	1	472	262	89	13	0	0	0	0	0	0	0	0
0	0	96	546	199	59	0	0	0	0	0	0	0	0	0
0	0	224	503	149	36	0	0	0	0	0	0	0	0	0
0	0	354	476	133	7	0	0	0	0	0	0	0	0	0
0	1	548	335	89	0	0	0	0	0	0	0	0	0	0
0	57	680	261	61	0	0	0	0	0	0	0	0	0	0
0	133	699	215	21	0	0	0	0	0	0	0	0	0	0
0	310	706	173	2	0	0	0	0	0	0	0	0	0	0
0	555	566	125	0	0	0	0	0	0	0	0	0	0	0
8	772	461	76	0	0	0	0	0	0	0	0	0	0	0
73	909	366	42	0	0	0	0	0	0	0	0	0	0	0
172	999	282	10	0	0	0	0	0	0	0	0	0	0	0
472	954	208	0	0	0	0	0	0	0	0	0	0	0	0
802	823	142	0	0	0	0	0	0	0	0	0	0	0	0
1175	598	94	0	0	0	0	0	0	0	0	0	0	0	0
1497	528	57	0	0	0	0	0	0	0	0	0	0	0	0
1454	349	21	0	0	0	0	0	0	0	0	0	0	0	0
1319	261	2	0	0	0	0	0	0	0	0	0	0	0	0
373	136	0	0	0	0	0	0	0	0	0	0	0	0	0
567	123	0	0	0	0	0	0	0	0	0	0	0	0	0
452	81	0	0	0	0	0	0	0	0	0	0	0	0	0
349	47	0	0	0	0	0	0	0	0	0	0	0	0	0
297	18	0	0	0	0	0	0	0	0	0	0	0	0	0
210	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/BO AND

B/BORANGE L RANGE	1-1.05	-1.10	-1.15	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9
1.0-1.1	1	0	0	0	0	0	0	0	0	0	0
1.1-1.2	4	3	1	1	3	7	0	2	0	0	0
1.2-1.3	5	9	1	4	5	5	2	1	0	0	0
1.3-1.4	13	5	4	3	4	2	1	0	0	0	2
1.4-1.5	15	3	5	6	3	3	3	2	3	2	1
1.5-1.6	20	5	2	7	2	5	3	6	2	2	1
1.6-1.7	20	5	3	8	7	4	5	2	4	2	0
1.7-1.8	24	3	5	7	4	2	2	3	6	2	1
1.8-1.9	25	4	8	6	4	4	2	3	5	2	3
1.9-2.0	33	5	5	6	4	2	3	3	5	7	1
2.0-2.1	29	8	6	4	1	2	2	3	5	6	6
2.1-2.2	33	5	10	3	0	1	5	7	9	5	2
2.2-2.3	30	7	6	3	0	1	5	5	5	4	2
2.3-2.4	36	3	5	2	2	2	6	7	3	3	1
2.4-2.5	35	5	7	4	3	1	6	3	5	2	0
2.5-2.6	36	13	8	6	2	3	5	7	4	3	4
2.6-2.7	30	15	7	4	3	2	9	2	5	4	2
2.7-2.8	29	15	11	5	2	2	9	6	3	2	2
2.8-2.9	38	15	14	4	6	9	4	4	2	3	4
2.9-3.0	40	25	11	4	4	15	1	3	3	3	3
3.0-3.1	41	22	7	12	15	5	4	0	5	2	2
3.1-3.2	44	13	3	15	20	0	4	0	5	2	4
3.2-3.3	43	12	18	11	23	4	1	5	0	4	1
3.3-3.4	47	13	19	17	19	6	3	3	0	3	2
3.4-3.5	55	15	18	17	25	8	5	0	0	4	0
3.5-3.6	71	22	27	11	27	17	0	0	0	5	0
3.6-3.7	83	27	7	20	25	22	2	0	0	5	0
3.7-3.8	161	20	25	27	25	18	6	0	4	0	0
3.8-3.9	85	33	24	23	19	12	21	1	7	0	0
3.9-4.0	0	5	24	0	15	13	27	10	8	0	0
4.0-4.1	0	0	0	0	0	15	22	45	11	0	0
4.1-4.2	0	0	0	0	0	0	16	20	41	6	0
4.2-4.3	0	0	0	0	0	0	0	0	5	43	26
4.3-4.4	0	0	0	0	0	0	0	0	0	1	23
4.4-4.5	0	0	0	0	0	0	0	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0

7

TAPE #1

PAGE 100

15 CHARGED PARTICLES 52-059A-32A
OF VALUES OF B/BO AND L FOR THIS TAPE

-1.6	-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	1	0	0	0	0	0	0	0	0
2	3	2	1	1	2	0	0	2	1	3	0	0
6	2	2	1	0	0	0	1	2	1	1	0	0
2	4	2	0	3	2	3	0	1	0	2	5	0
3	6	2	1	1	3	1	0	1	3	5	3	0
3	5	2	3	2	5	3	2	0	2	4	1	0
3	5	7	1	1	5	5	3	1	1	3	0	0
3	5	6	6	2	4	4	5	1	1	0	0	0
7	9	5	2	3	5	3	7	0	0	0	0	0
5	5	4	2	4	4	4	4	2	0	0	0	0
7	3	3	1	1	8	2	2	3	0	0	0	0
3	5	2	0	4	9	2	2	6	0	0	0	0
7	4	3	4	2	5	5	2	6	0	0	0	0
2	5	4	2	3	4	4	0	4	4	0	0	0
5	3	2	2	4	5	3	1	2	7	0	0	0
4	2	3	4	2	3	2	2	2	6	0	0	0
3	3	3	3	1	7	3	2	2	6	0	0	0
0	5	2	2	0	3	3	2	3	8	0	0	0
0	5	2	4	0	3	6	2	3	7	0	0	0
5	0	4	3	0	3	3	0	6	8	0	0	0
3	0	3	2	0	3	4	3	5	9	0	0	0
0	0	4	0	0	3	3	8	6	6	0	0	0
0	0	5	0	0	3	4	6	7	6	0	0	0
0	0	5	0	0	3	13	0	10	5	0	0	0
0	4	0	0	0	4	14	4	10	1	0	0	0
1	7	0	0	0	12	10	5	5	0	0	0	0
10	8	0	0	5	10	15	2	5	0	0	0	0
45	11	0	0	1	15	15	2	3	0	0	0	0
20	41	6	0	5	34	12	8	0	0	0	0	0
0	5	43	26	28	31	8	10	0	0	0	0	0
0	0	1	23	19	19	16	15	0	0	0	0	0
0	0	0	0	0	22	22	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/B0 AND L

B/B0 RANGE / L RANGE	1-1.05	1.05-1.10	1.10-1.15	1.15-1.2	1.2-1.3	1.3-1.4	1.4-1.5	1.5-1.6	1.6-1.7	1.7-1.8	1.8-1.9
1.0-1.1	0	4	5	1	1	0	0	0	0	0	0
1.1-1.2	7	5	8	9	8	3	2	0	1	0	0
1.2-1.3	28	7	4	10	9	8	7	2	3	1	1
1.3-1.4	25	3	1	6	10	12	5	9	5	0	3
1.4-1.5	25	2	9	7	15	10	10	8	7	7	3
1.5-1.6	24	5	6	11	24	10	7	7	9	7	10
1.6-1.7	18	13	19	13	21	11	8	6	6	11	8
1.7-1.8	19	11	17	14	20	12	10	5	9	7	11
1.8-1.9	29	21	19	17	18	17	13	6	6	9	5
1.9-2.0	33	30	13	20	13	11	13	12	8	7	13
2.0-2.1	43	34	19	10	20	17	12	11	11	8	10
2.1-2.2	52	35	16	17	26	15	15	10	10	9	7
2.2-2.3	65	33	13	11	19	25	9	13	4	11	9
2.3-2.4	94	22	22	8	23	13	15	8	10	12	8
2.4-2.5	103	23	21	13	19	17	7	10	15	7	7
2.5-2.6	125	28	18	11	19	19	11	15	7	11	7
2.6-2.7	130	34	20	12	23	26	20	11	12	9	14
2.7-2.8	157	35	16	15	28	20	17	17	9	9	15
2.8-2.9	165	45	17	19	25	25	20	14	14	19	8
2.9-3.0	163	50	26	24	20	25	14	21	25	5	7
3.0-3.1	185	70	39	14	43	10	27	25	11	12	10
3.1-3.2	189	90	23	29	26	27	31	21	14	7	7
3.2-3.3	218	72	55	24	28	37	34	18	9	7	25
3.3-3.4	259	80	55	29	47	38	38	3	7	27	18
3.4-3.5	256	120	59	43	49	66	10	11	30	17	12
3.5-3.6	331	109	73	58	86	33	17	32	17	24	16
3.6-3.7	453	150	81	88	113	37	39	15	41	9	7
3.7-3.8	821	180	172	99	159	52	24	58	13	15	22
3.8-3.9	527	283	227	197	202	81	75	28	18	22	20
3.9-4.0	0	0	14	53	211	276	102	37	22	27	38
4.0-4.1	0	0	0	0	0	30	121	69	62	53	15
4.1-4.2	0	0	0	0	0	0	22	77	61	18	15
4.2-4.3	0	0	0	0	0	0	0	0	3	18	13
4.3-4.4	0	0	0	0	0	0	0	0	0	0	0
4.4-4.5	0	0	0	0	0	0	0	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0

TAPE #2

CHARGED PARTICLES 62-0594-02A

LUES OF B/BO AND _ FOR THIS TAPE

-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	0	0	0	0	0	0	0
5	0	3	2	6	0	1	3	0	0	0	0
7	7	3	7	8	3	2	2	4	2	0	0
9	7	10	3	11	3	2	2	5	10	0	0
6	11	8	7	13	6	5	5	5	12	1	0
9	7	11	5	19	11	8	4	5	12	3	0
6	9	5	9	13	15	7	9	2	11	2	0
8	7	13	6	13	11	12	11	9	13	2	0
11	8	10	4	11	12	14	10	9	15	0	0
10	9	7	10	13	10	15	14	15	9	0	0
4	11	9	8	14	13	14	17	15	8	0	0
10	12	8	8	19	18	12	18	14	6	0	0
15	7	7	10	19	11	12	15	16	5	0	0
7	11	7	15	19	9	14	15	15	2	0	0
12	9	14	8	14	15	13	16	14	0	0	0
9	9	15	12	16	14	15	15	12	0	0	0
14	19	8	8	20	13	17	14	11	0	0	0
25	5	7	13	17	18	15	12	9	0	0	0
11	12	10	14	22	13	17	13	3	0	0	0
14	7	7	24	15	20	12	12	3	0	0	0
9	7	25	14	15	21	10	11	3	0	0	0
7	27	18	7	20	21	7	9	3	0	0	0
30	17	12	13	20	13	14	6	0	0	0	0
17	24	16	8	36	5	16	4	0	0	0	0
41	9	7	19	29	7	13	4	0	0	0	0
13	15	22	20	16	7	19	0	0	0	0	0
18	22	20	23	9	15	9	0	0	0	0	0
22	27	38	10	14	24	0	0	0	0	0	0
62	53	15	4	22	15	0	0	0	0	0	0
61	18	15	18	24	1	0	0	0	0	0	0
3	18	18	14	8	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/BO AND L

B/BORANGE L RANGE	1-1.05	-1.10	-1.15	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9
1.0-1.1	7	3	1	2	0	0	0	0	0	0	0
1.1-1.2	23	15	5	7	10	7	4	4	1	0	0
1.2-1.3	24	9	1	6	8	4	4	5	6	3	3
1.3-1.4	17	2	8	5	8	4	3	1	2	5	5
1.4-1.5	9	5	9	9	10	5	3	3	8	6	5
1.5-1.6	13	5	11	10	14	4	6	5	6	3	5
1.6-1.7	14	10	7	18	19	9	5	7	10	4	5
1.7-1.8	19	10	15	13	21	6	13	8	6	4	4
1.8-1.9	17	9	21	16	22	10	10	11	6	7	5
1.9-2.0	26	15	20	20	21	16	10	12	4	6	8
2.0-2.1	25	24	19	14	25	15	9	5	10	10	3
2.1-2.2	32	25	25	11	23	20	5	10	10	7	7
2.2-2.3	43	35	23	19	20	13	11	5	10	12	2
2.3-2.4	55	33	20	17	29	10	12	9	13	5	11
2.4-2.5	64	40	21	15	18	13	5	14	13	11	13
2.5-2.6	78	40	22	12	27	11	14	19	9	12	13
2.6-2.7	103	29	19	15	22	19	13	14	12	18	13
2.7-2.8	125	23	19	19	19	27	16	11	16	18	20
2.8-2.9	151	19	36	11	32	15	28	10	15	30	4
2.9-3.0	171	32	15	20	25	35	15	15	35	13	5
3.0-3.1	182	35	25	19	28	33	11	23	25	13	10
3.1-3.2	201	41	30	10	44	34	20	27	20	11	14
3.2-3.3	220	72	9	25	57	23	27	39	5	16	19
3.3-3.4	263	62	27	31	49	31	44	14	16	23	15
3.4-3.5	313	65	43	42	47	44	37	23	19	23	8
3.5-3.6	383	89	54	42	57	52	31	27	25	12	17
3.6-3.7	525	133	122	45	51	70	30	27	25	16	10
3.7-3.8	674	441	154	82	123	38	40	45	18	10	9
3.8-3.9	192	144	201	178	144	94	57	7	14	16	26
3.9-4.0	0	5	53	90	182	43	10	23	31	25	3
4.0-4.1	0	0	0	0	39	95	41	37	23	10	3
4.1-4.2	0	0	0	0	0	27	65	36	7	1	7
4.2-4.3	0	0	0	0	0	0	0	3	9	7	0
4.3-4.4	0	0	0	0	0	0	0	0	0	0	0
4.4-4.5	0	0	0	0	0	0	0	0	0	0	0
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0

TAPE # 3

PAGE 102

PAGE 33

5 CHARGED PARTICLES 52-059A-02A

VALUES OF B/B0 AND L FOR THIS TAPE

.6	-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0	0	0	0
5	6	3	3	2	1	0	0	0	0	0	0	0
1	2	5	5	3	7	4	2	0	0	0	0	0
3	3	6	5	4	12	7	9	0	0	0	0	0
5	6	3	5	5	10	12	13	7	1	0	0	0
7	10	4	5	5	15	11	3	12	9	0	0	0
8	6	4	4	7	11	13	13	7	11	2	0	0
1	6	7	5	5	15	13	14	13	14	6	0	0
2	4	6	3	5	11	12	11	12	14	10	0	0
5	10	10	3	8	12	15	15	14	13	10	0	0
0	10	7	7	5	12	15	15	15	11	10	0	0
5	10	12	2	6	20	9	18	10	9	11	0	0
9	13	5	11	10	12	19	15	7	9	13	0	0
4	13	11	13	8	19	17	7	11	3	13	0	0
9	9	12	13	14	15	17	8	14	7	12	0	0
4	12	18	13	14	10	17	10	10	4	11	0	0
1	16	18	20	11	3	16	8	10	7	10	0	0
0	15	30	4	5	18	7	11	12	4	8	0	0
5	35	13	5	9	21	12	12	8	7	6	0	0
3	25	13	10	7	21	11	9	7	6	4	0	0
7	20	11	14	13	10	10	15	3	8	0	0	0
9	6	16	19	13	11	21	3	8	6	0	0	0
4	16	23	15	1	20	13	2	12	1	0	0	0
3	19	23	8	11	20	5	9	7	0	0	0	0
7	25	12	17	11	15	9	4	5	0	0	0	0
7	25	16	10	4	18	4	9	0	0	0	0	0
5	18	10	9	20	10	6	5	0	0	0	0	0
7	14	16	26	6	5	5	1	0	0	0	0	0
3	31	25	3	4	5	7	0	0	0	0	0	0
7	29	10	3	2	9	0	0	0	0	0	0	0
6	7	1	7	7	2	0	0	0	0	0	0	0
3	9	7	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/B0 AND L FOR TH

B/B0 RANGE L RANGE	1-1.05	1.05-1.1	1.1-1.15	1.15-1.2	1.2-1.3	1.3-1.4	1.4-1.5	1.5-1.6	1.6-1.7	1.7-1.8	1.8-1.9	1.9-2.0
1.0-1.1	24	4	1	0	0	0	0	0	0	0	0	0
1.1-1.2	50	19	8	4	7	2	1	0	0	0	0	0
1.2-1.3	31	7	11	5	9	6	5	5	2	3	2	1
1.3-1.4	29	3	9	7	8	5	7	3	5	5	0	5
1.4-1.5	38	19	9	8	10	8	5	9	8	9	9	1
1.5-1.6	33	15	15	4	11	7	7	7	7	9	7	7
1.6-1.7	37	21	13	9	13	9	6	4	8	11	9	14
1.7-1.8	38	24	22	16	14	12	5	7	13	8	12	20
1.8-1.9	42	23	23	15	17	10	6	13	8	10	17	15
1.9-2.0	49	13	21	13	22	17	15	9	13	15	12	10
2.0-2.1	44	15	19	19	29	18	12	13	22	9	13	14
2.1-2.2	53	20	20	19	25	29	12	29	11	9	17	15
2.2-2.3	61	21	20	20	41	16	30	15	11	24	12	10
2.3-2.4	50	30	27	28	32	22	34	13	15	19	9	8
2.4-2.5	64	32	31	31	25	47	13	14	19	8	8	10
2.5-2.6	54	49	38	31	22	45	15	19	13	13	5	7
2.6-2.7	66	59	50	19	55	31	22	19	14	4	8	4
2.7-2.8	71	85	39	32	67	22	29	17	5	7	3	4
2.8-2.9	80	101	37	45	52	31	24	11	4	6	3	3
2.9-3.0	91	103	48	60	51	30	21	0	3	5	4	6
3.0-3.1	111	91	74	47	55	30	15	8	6	0	7	8
3.1-3.2	157	93	85	36	59	31	11	7	5	5	7	8
3.2-3.3	191	123	78	51	59	22	9	13	4	5	10	2
3.3-3.4	243	137	58	62	56	17	14	15	2	10	3	7
3.4-3.5	319	141	57	72	41	28	16	8	9	10	5	4
3.5-3.6	473	131	87	58	49	38	23	11	12	10	0	3
3.6-3.7	854	155	73	36	72	36	26	11	15	4	0	4
3.7-3.8	752	182	95	59	83	39	33	23	5	4	3	8
3.8-3.9	62	107	109	97	119	73	49	12	7	12	0	7
3.9-4.0	0	0	28	46	133	131	32	25	15	6	3	11
4.0-4.1	0	0	0	0	49	116	90	30	13	16	15	14
4.1-4.2	0	0	0	0	0	12	85	81	45	22	14	6
4.2-4.3	0	0	0	0	0	0	2	66	104	59	49	44
4.3-4.4	0	0	0	0	0	0	0	0	8	60	34	10
4.4-4.5	0	0	0	0	0	0	0	0	0	0	25	59
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0

TAPE # 4

PAGE 103

CHARGED PARTICLES 62-0594-024

ALUES OF B/B0 AND _ FOR THIS TAPE

-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
2	3	2	1	0	4	0	1	0	0	0	0
5	5	0	5	8	3	8	4	0	0	0	0
8	9	9	1	12	7	3	9	9	0	0	0
7	9	7	7	18	12	5	8	12	0	0	0
8	11	9	14	20	15	5	11	10	0	0	0
13	8	12	20	14	21	12	10	6	0	0	0
8	10	17	15	21	19	14	10	2	0	0	0
13	15	12	10	23	14	20	3	2	0	0	0
22	9	13	19	17	15	11	1	5	0	0	0
11	9	17	15	12	15	8	5	6	0	0	0
11	24	12	10	15	7	4	9	3	3	0	0
15	19	9	8	18	3	4	9	6	3	0	0
19	8	3	10	13	2	4	6	7	4	0	0
13	13	5	7	9	7	5	5	10	6	0	0
14	4	8	4	5	9	2	3	7	6	0	0
5	7	3	4	9	8	5	5	6	9	0	0
4	6	3	3	13	2	12	2	7	12	0	0
3	5	4	6	10	4	10	3	5	13	0	0
6	0	7	8	5	11	3	9	5	11	0	0
5	5	7	8	7	8	4	11	5	12	0	0
4	5	10	2	7	5	10	6	5	14	0	0
2	10	3	7	7	5	11	2	11	13	0	0
9	10	5	4	5	11	9	3	13	11	0	0
12	10	0	3	9	12	5	10	10	11	0	0
15	4	0	4	13	8	7	13	17	3	0	0
5	4	3	8	10	11	11	7	14	4	0	0
7	12	0	7	15	15	9	13	8	3	0	0
15	6	3	11	22	12	10	18	2	3	0	0
13	16	15	14	22	18	19	11	0	4	0	0
45	22	14	6	39	18	10	8	1	3	0	0
104	59	49	44	37	4	16	4	5	0	0	0
8	60	34	10	19	17	23	2	7	0	0	0
0	0	25	58	55	41	0	10	7	0	0	0
0	0	0	0	50	13	12	10	0	0	0	0
0	0	0	0	0	12	13	4	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/B0 AND L

B/B0RANGE L RANGE	1-1.05	-1.10	-1.15	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9
1.0-1.1	21	0	0	0	0	0	0	0	0	0	0
1.1-1.2	91	22	8	2	0	0	0	0	0	0	0
1.2-1.3	63	27	17	11	14	5	2	2	2	1	2
1.3-1.4	76	15	19	15	15	0	0	0	0	0	0
1.4-1.5	80	17	10	7	14	14	7	1	4	5	2
1.5-1.6	93	12	5	10	18	14	13	9	11	13	11
1.6-1.7	92	13	9	7	19	15	19	17	15	16	8
1.7-1.8	88	27	21	14	14	26	15	17	25	8	5
1.8-1.9	75	34	20	14	32	20	17	19	7	11	7
1.9-2.0	76	42	32	29	32	21	20	11	9	10	9
2.0-2.1	77	42	42	31	26	25	10	13	3	7	5
2.1-2.2	75	48	52	24	31	18	12	12	3	4	5
2.2-2.3	79	67	40	30	33	14	11	5	3	3	3
2.3-2.4	82	82	32	36	35	16	8	7	6	4	5
2.4-2.5	83	82	42	36	36	10	10	9	3	5	3
2.5-2.6	104	63	57	31	41	8	12	7	6	3	4
2.6-2.7	113	72	52	34	37	10	11	10	4	6	4
2.7-2.8	128	77	47	34	30	18	8	9	5	3	4
2.8-2.9	129	77	52	29	39	25	9	7	3	2	5
2.9-3.0	136	71	45	27	40	31	14	8	12	2	5
3.0-3.1	150	67	44	34	45	31	20	9	8	4	5
3.1-3.2	153	80	50	25	43	28	22	10	9	3	5
3.2-3.3	173	87	51	18	58	23	25	13	11	7	3
3.3-3.4	182	88	55	35	54	29	24	19	13	5	5
3.4-3.5	199	109	84	33	51	38	29	24	13	8	6
3.5-3.6	231	149	75	50	65	38	30	29	13	12	7
3.6-3.7	365	209	99	48	72	33	35	29	25	11	8
3.7-3.8	348	395	135	55	94	44	35	21	32	11	15
3.8-3.9	0	53	134	118	134	58	30	34	40	13	18
3.9-4.0	0	0	2	55	137	98	55	38	25	34	10
4.0-4.1	0	0	0	0	16	70	55	29	40	46	10
4.1-4.2	0	0	0	0	0	0	48	59	60	44	25
4.2-4.3	0	0	0	0	0	0	0	31	51	63	33
4.3-4.4	0	0	0	0	0	0	0	0	13	65	52
4.4-4.5	0	0	0	0	0	0	0	0	0	0	13
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0

TAPE # 5

PAGE 104

PAGE 59

15 CHARGED PARTICLES 52-059A-02A

OF VALUES OF B/BO AND L FOR THIS TAPE

-1.6	-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	2	0	0	0	0	1	0	0	0	0
0	0	0	0	0	5	9	3	9	9	0	0	0
1	4	5	2	5	20	24	9	10	5	0	0	0
9	11	13	11	15	19	12	6	3	0	0	0	0
17	15	15	8	7	11	4	3	1	0	0	0	0
17	25	8	5	6	5	3	1	0	0	0	0	0
19	7	11	7	2	3	0	0	0	0	0	0	0
11	9	10	9	2	4	0	0	0	0	0	0	0
13	3	7	5	3	3	2	0	0	0	0	0	0
12	3	4	5	7	3	5	0	0	0	0	0	0
5	3	3	3	5	6	5	2	0	0	0	0	0
7	6	4	5	2	10	3	4	0	0	0	0	0
9	3	5	3	1	10	2	7	2	0	0	0	0
7	6	3	4	1	9	6	7	1	0	0	0	0
10	4	6	4	2	6	7	8	4	2	0	0	0
9	5	3	4	2	5	10	5	4	3	0	0	0
7	8	2	5	2	6	10	3	5	3	1	0	0
8	12	2	5	2	5	5	10	6	1	2	0	0
9	8	4	5	1	6	5	11	4	3	3	0	0
10	9	3	5	2	7	5	10	4	4	4	0	0
13	11	7	3	5	7	5	11	5	5	6	0	0
19	13	5	5	1	5	8	10	8	7	5	0	0
24	13	8	6	3	4	10	7	8	9	8	0	0
29	13	12	7	6	5	9	5	11	9	9	0	0
29	25	11	8	15	2	10	9	10	8	10	0	0
21	32	11	15	8	9	3	10	9	11	13	0	0
34	40	13	18	14	17	3	14	4	11	15	0	0
38	25	34	10	16	24	4	14	1	14	14	0	0
29	40	46	10	20	26	5	10	10	7	20	0	0
59	60	44	25	29	29	13	0	17	3	24	0	0
31	51	63	33	33	35	27	7	16	9	17	0	0
0	13	65	52	65	19	34	10	14	16	18	0	0
0	0	0	13	50	102	35	15	17	9	20	0	0
0	0	0	0	0	90	101	28	7	20	24	0	0
0	0	0	0	0	7	130	50	19	20	22	0	0
0	0	0	0	0	0	0	99	16	32	14	0	0
0	0	0	0	0	0	0	10	82	35	10	0	0
0	0	0	0	0	0	0	0	0	18	10	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/B0 AND L FOR

B/B0 RANGE L RANGE	1-1.05	1-1.1	-1.15	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0
1.0-1.1	20	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	97	3	1	0	0	0	0	0	0	0	0	0
1.2-1.3	79	14	8	9	5	6	9	7	5	5	5	4
1.3-1.4	78	34	24	21	40	23	25	21	15	17	16	26
1.4-1.5	108	47	49	30	45	37	23	15	19	19	13	11
1.5-1.6	149	57	45	42	61	39	20	24	15	9	6	7
1.6-1.7	182	74	43	31	54	32	24	6	8	4	5	2
1.7-1.8	208	72	51	28	50	29	22	3	5	2	1	0
1.8-1.9	232	74	52	34	49	24	12	12	4	4	0	0
1.9-2.0	247	85	40	18	50	23	12	11	5	3	2	1
2.0-2.1	268	81	45	25	44	23	14	9	10	2	5	0
2.1-2.2	285	72	45	28	44	27	21	3	12	3	4	3
2.2-2.3	265	75	49	33	35	28	27	10	10	10	4	5
2.3-2.4	256	83	35	32	39	35	22	20	8	13	4	4
2.4-2.5	249	83	41	25	49	34	23	21	11	11	11	3
2.5-2.6	261	85	37	26	43	35	25	20	22	10	11	10
2.6-2.7	243	80	42	30	45	40	33	22	21	9	17	11
2.7-2.8	235	107	51	37	46	39	32	24	14	22	12	17
2.8-2.9	226	112	52	35	45	33	32	29	21	20	15	11
2.9-3.0	219	129	67	37	60	41	25	31	13	20	17	13
3.0-3.1	208	129	53	34	59	41	39	29	22	18	22	15
3.1-3.2	190	141	75	48	59	43	33	23	32	17	21	16
3.2-3.3	170	153	94	53	61	47	41	31	30	24	15	25
3.3-3.4	144	193	98	56	84	55	37	37	24	27	23	25
3.4-3.5	143	219	120	68	95	54	42	35	30	29	23	20
3.5-3.6	141	266	147	87	101	73	43	39	31	28	32	20
3.6-3.7	113	415	175	119	119	108	44	46	34	32	34	24
3.7-3.8	69	861	357	144	151	102	55	49	41	33	35	24
3.8-3.9	0	12	223	242	322	132	68	51	41	42	23	35
3.9-4.0	0	0	0	41	226	215	100	59	55	52	29	37
4.0-4.1	0	0	0	0	21	179	214	75	75	47	39	25
4.1-4.2	0	0	0	0	0	2	115	119	140	42	45	39
4.2-4.3	0	0	0	0	0	0	0	38	71	82	85	44
4.3-4.4	0	0	0	0	0	0	0	0	15	79	67	61
4.4-4.5	0	0	0	0	0	0	0	0	0	0	45	79
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	1
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0

TAPE #6

PAGE 105

5 CHARGED PARTICLES 62-059A-024

VA_JES OF B/BO AND _ FOR THIS TAPE

5	-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
7	5	5	5	4	5	3	3	5	0	0	0	0
1	15	17	16	26	45	47	18	19	5	0	0	0
15	19	19	13	11	25	11	6	5	0	0	0	0
4	15	9	6	7	5	5	2	0	0	0	0	0
6	8	4	5	2	2	0	0	0	0	0	0	0
3	5	2	1	0	0	0	0	0	0	0	0	0
12	4	4	0	0	0	0	0	0	0	0	0	0
11	5	3	2	1	0	0	0	0	0	0	0	0
9	10	2	5	0	1	0	0	0	0	0	0	0
3	12	3	4	3	2	0	0	0	0	0	0	0
10	10	10	4	5	2	1	0	0	0	0	0	0
0	8	13	4	4	6	3	0	0	0	0	0	0
21	11	11	11	5	5	1	1	0	0	0	0	0
0	22	10	11	10	6	5	2	0	0	0	0	0
22	21	9	17	11	9	7	3	1	0	0	0	0
4	14	22	12	17	7	7	2	2	0	0	0	0
29	21	20	15	11	15	10	2	2	0	0	0	0
31	13	20	17	13	19	11	5	4	0	0	0	0
29	22	18	22	18	22	9	7	6	1	0	0	0
25	32	17	21	16	23	12	11	2	4	0	0	0
31	30	24	15	25	27	17	13	3	4	0	0	0
37	24	27	23	25	27	20	9	6	7	0	0	0
35	30	29	23	20	32	30	11	7	6	0	0	0
39	31	28	32	20	39	33	9	14	9	0	0	0
46	34	32	34	24	45	27	20	13	9	3	0	0
49	41	33	35	24	52	29	25	19	7	4	0	0
51	41	42	23	35	55	29	35	22	11	6	0	0
59	55	52	29	37	56	43	32	20	17	7	0	0
75	75	47	39	29	55	51	35	26	20	10	0	0
19	140	42	45	39	73	58	28	37	25	9	0	0
38	71	82	85	44	75	73	47	39	31	8	0	0
0	15	79	67	63	117	75	57	31	34	15	0	0
0	0	0	45	79	199	91	77	33	35	28	0	0
0	0	0	0	3	133	133	95	31	48	38	0	0
0	0	0	0	0	15	149	96	83	43	48	0	0
0	0	0	0	0	0	8	134	129	55	54	0	0
0	0	0	0	0	0	0	18	132	121	58	0	0
0	0	0	0	0	0	0	0	8	231	115	0	0
0	0	0	0	0	0	0	0	0	3	85	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF B/BO AND L FOR T-

B/BORANGE L RANGE	1-1.05	-1.10	-1.15	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0
1.0-1.1	73	11	7	3	1	0	0	0	0	0	0	0
1.1-1.2	272	73	31	23	28	19	7	6	2	0	0	0
1.2-1.3	235	73	42	46	51	35	29	23	13	13	13	8
1.3-1.4	239	67	65	57	85	55	43	34	27	27	25	37
1.4-1.5	275	93	91	67	97	78	51	33	49	48	33	29
1.5-1.6	332	100	85	84	130	79	56	58	51	43	41	38
1.6-1.7	363	142	94	86	133	80	58	42	51	48	35	38
1.7-1.8	396	147	132	92	123	87	68	49	65	31	34	39
1.8-1.9	421	165	143	102	142	85	60	54	37	43	38	33
1.9-2.0	464	195	132	105	142	95	74	58	49	48	45	25
2.0-2.1	485	205	151	103	145	102	59	55	62	42	43	31
2.1-2.2	530	205	159	102	149	110	70	76	55	37	43	43
2.2-2.3	543	242	151	116	149	97	93	53	43	64	32	38
2.3-2.4	584	253	142	123	150	104	98	64	55	56	39	33
2.4-2.5	633	265	163	124	150	122	65	75	65	44	42	35
2.5-2.6	668	273	180	117	154	122	83	88	61	52	45	49
2.6-2.7	690	290	190	114	186	123	113	73	69	50	53	42
2.7-2.8	745	349	133	143	192	128	111	84	53	61	57	50
2.8-2.9	739	370	208	145	197	139	117	75	65	80	39	31
2.9-3.0	820	411	214	172	201	178	91	87	97	48	42	44
3.0-3.1	873	415	253	160	246	151	115	99	73	49	57	48
3.1-3.2	934	463	255	155	251	168	121	90	85	45	59	63
3.2-3.3	1015	529	306	182	286	151	138	119	60	63	76	59
3.3-3.4	1143	578	323	230	309	176	160	96	62	95	68	41
3.4-3.5	1291	670	391	275	311	233	130	101	101	91	54	51
3.5-3.6	1635	765	473	305	385	256	149	138	98	91	72	48
3.6-3.7	2393	1105	558	356	452	311	175	123	140	77	59	66
3.7-3.8	2825	2079	940	473	540	293	194	196	113	73	85	80
3.8-3.9	867	532	918	855	940	450	300	133	127	105	87	86
3.9-4.0	0	10	131	285	904	777	333	192	158	144	83	83
4.0-4.1	0	0	0	0	125	507	554	285	229	172	84	70
4.1-4.2	0	0	0	0	0	41	352	392	354	133	107	104
4.2-4.3	0	0	0	0	0	0	2	133	243	272	211	163
4.3-4.4	0	0	0	0	0	0	0	0	36	205	132	157
4.4-4.5	0	0	0	0	0	0	0	0	0	0	84	183
4.5-4.6	0	0	0	0	0	0	0	0	0	0	0	3
4.6-4.7	0	0	0	0	0	0	0	0	0	0	0	0
4.7-4.8	0	0	0	0	0	0	0	0	0	0	0	0
4.8-4.9	0	0	0	0	0	0	0	0	0	0	0	0
4.9-5.0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-5.1	0	0	0	0	0	0	0	0	0	0	0	0
5.1-5.2	0	0	0	0	0	0	0	0	0	0	0	0
5.2-5.3	0	0	0	0	0	0	0	0	0	0	0	0
5.3-5.4	0	0	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	0	0	0	0	0	0	0	0	0	0	0

TAPES 1-6 COMBINED

ER 15 CHARGED PARTICLES 62-059A-02A

X OF VALUES OF B/BO AND L FOR THESE TAPES

-1.6	-1.7	-1.8	-1.9	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0	-3.5	-4.0	-5.0
0	0	0	0	0	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0	0	0	0
23	13	13	13	8	8	7	3	7	0	0	0	0
34	27	27	25	37	71	63	32	35	14	0	0	0
33	49	48	33	29	79	52	29	28	19	5	0	0
58	51	43	41	38	52	44	29	22	19	11	0	0
42	51	48	35	38	63	39	21	30	24	14	6	0
49	65	31	34	39	53	49	34	22	25	19	5	0
54	37	43	38	33	57	50	37	32	20	21	3	0
58	49	48	45	25	57	42	46	27	26	26	2	0
55	62	42	43	31	48	49	45	26	28	25	0	0
76	55	37	43	43	47	49	46	34	32	19	0	0
53	43	64	32	38	61	39	42	38	27	22	0	0
64	55	56	39	33	73	48	37	37	29	22	0	0
75	65	44	42	35	76	35	33	40	26	22	0	0
88	61	52	45	49	54	49	38	41	32	20	0	0
73	59	50	53	42	48	59	35	38	31	17	0	0
84	53	61	57	50	50	58	36	38	35	19	0	0
75	65	80	39	31	76	44	47	37	31	21	0	0
87	97	48	42	44	80	53	55	35	28	21	0	0
99	73	49	57	48	79	53	49	42	26	18	0	0
90	85	45	59	63	55	61	54	35	31	15	0	0
119	59	63	76	59	70	73	47	39	31	20	0	0
96	62	95	68	41	82	72	42	42	38	18	0	0
101	101	91	54	51	85	72	58	37	34	19	0	0
138	98	91	72	48	108	72	46	51	34	20	0	0
123	140	77	59	66	110	59	58	50	39	16	0	0
196	113	73	85	80	101	75	74	45	33	21	0	0
133	127	105	87	85	114	78	73	44	30	24	0	0
192	158	144	83	83	131	105	58	44	33	24	0	0
285	229	172	84	70	159	105	65	50	27	34	0	0
392	354	133	107	104	201	117	46	62	29	36	0	0
133	243	272	211	163	187	112	80	59	45	25	0	0
0	36	205	182	157	204	142	115	47	57	33	0	0
0	0	0	84	183	378	190	93	60	51	48	0	0
0	0	0	0	3	273	247	136	48	68	52	0	0
0	0	0	0	0	22	291	159	106	63	70	0	0
0	0	0	0	0	0	3	233	145	87	68	0	0
0	0	0	0	0	0	0	28	214	156	68	0	0
0	0	0	0	0	0	0	0	8	249	125	0	0
0	0	0	0	0	0	0	0	0	3	85	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

7640256 7701392

```
THIS VALUE WAS NOT USED
            300.9880        0.1625        2 - B

THIS VALUE WAS NOT USED
            300.9882        0.1598        2 -B

THE THIRD VALUE FOLLOWING WAS NOT USED
            323.6143        0.0146
            328.6150        0.0145
            328.6198       -5.0000          B
     2

THIS VALUE WAS NOT USED
            328.6150        0.0145        2  B

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1058       75.8737
     5 <- CODE INDICATING DECLINATION

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1060       74.3408
     5

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1062       72.8709
     5

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1064       71.4181
     5

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1066       69.9822
     5

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978
            330.1068       68.5634
     5                                            DEC

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
            330.1070       67.1615
     5

THE THIRD VALUE FOLLOWING WAS NOT USED
            330.1016       77.5029
            330.1040       37.2978                DEC
```

```
                330.1072      65.7768
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                330.1016      77.5029
                330.1040      87.2978
                330.1074      64.3773          DEC
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                330.1016      77.5029
                330.1040      87.2978
                330.1076      63.0565          DEC
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                330.1016      77.5029
                330.1040      87.2978
                330.1078      61.7781          DEC
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                330.1016      77.5029
                330.1040      87.2978          DEC
                330.1080      60.5669
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                330.1016      77.5029
                330.1040      87.2978          DEC
                330.1082      59.3607
        6

THE THIRD VALUE FOLLOWING WAS NOT USED
                352.4994       0.0084
                352.4996       0.0084                B
                352.4998      -5.0000
        2

THIS VALUE WAS NOT USED
                352.4996       0.0084        2       B

THIS VALUE WAS NOT USED
                355.9997      -5.0000        2       B

THE THIRD VALUE FOLLOWING WAS NOT USED
                366.6661       1.5980
                366.6663       1.7050                L
                366.6665   79427.4561
        3

THIS VALUE WAS NOT USED
                366.6663       1.7050        3       L

THE THIRD VALUE FOLLOWING WAS NOT USED
                387.1216       0.0065
                387.1218       0.0065                B
                387.1220      -5.0000
        2

THE THIRD VALUE FOLLOWING WAS NOT USED
                387.1216       3.6933
                387.1218       3.6915                L
                387.1220       1.6493
```

```
THE THIRD VALUE FOLLOWING WAS NOT USED
            387.1215   23541.1912
            387.1218   23530.8440          FLA
            387.1220   10057.7495
      7

THIS VALUE WAS NOT USED
        8275831.0000        0.0000        2     B

THIS VALUE WAS NOT USED
            387.1222        0.0055        2     B

THIS VALUE WAS NOT USED
            387.1224        0.0066        2     B
```