

DATA SET CATALOG # 9

Explorer 15 Charged Particle

62-059A-02A 6 Tapes

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

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-02A

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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/B₀ 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/B₀, 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/B₀, DEC and ALT was compared to its value as predicted by a simple extrapolation using the two preceding 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 ^{records} words 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 ₀
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 ^{oscillator}

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

INPUT CDC3600	
FORMAT 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	

FILE 0001 REC 0001 CH 0560

300.9

Oct. 27 1962

CDC 48 B

LOG REC 1	0001	000030160246	4075	20154423	471332311775	514563712310	200
	0045	200674051432	653457751104	022041302004	746760333562	201	
LOG REC 2	0057	000030160252	523620205462	507245611775	507141426240	200	
	0145	200673234027	663657750401	105253622005	402145660730	201	
LOG REC 3	0193	000030160257	040020114326	706060201775	501555301623	200	
	0241	200672417166	415757743741	534127702005	420563530455	201	
LOG REC 4	0285	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	
	0525	200670244556	302557743024	417604232005	473136765107	201	
LOG REC 7	0577	000030160300	121020115623	014264201775	454345146331	200	
	0625	20067516264	225557742600	033075202005	510754375313	201	
LOG REC 8	0673	000030160304	335220176004	223161671775	447251307441	200	
	0721	200666774037	743557742356	145634452005	526444076323	201	
LOG REC 9	0765	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	
	0045	200665071342	621457741510	322576762005	576253150710	201	
	0057	000030160325	416620175504	611055131775	423556703516	200	
	0145	200664412003	027657741300	720657242005	613200223552	201	
	0193	000030160331	633320154176	672460041775	417021205673	200	
	0241	200663743201	767157741073	725643102005	630000247322	201	
	0285	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	
	0525	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	
	0765	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	
	0045	200657650133	562057733466	354124522005	770121146370	201	
	0057	000030160400	213420146506	060700241774	721652154600	200	
	0145	200657262021	331657733376	654562012006	401575232716	201	
	0193	000030160404	430020116034	260372331774	712163577652	200	
	0241	200656704467	227257733310	246354222006	407254537731	201	
	0285	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	
	0525	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	
	0765	000030160436	142620135241	154410611774	637774336522	200	
	0817	200654274707	722757732630	107400552006	447317254711	201	
	0865	000030160442	357020134176	433030151774	631366035107	200	
	0913	200653753601	050057732551	054310172006	454410161522	201	

332311775	514563712310	200151436130	155120014443	504025742005	706171726321
041302004	746760333562	201575366210	750200000020	007606130025	042057103054
245511775	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	351170542005	415023032614
564272005	437036371322	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
634452005	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	110500000020	006706030025	042060103054
175411775	412340124136	200156321334	276120015061	045672772006	566617732106
755572005	644444444114	201641337277	306600000020	006406040025	042060103054
515741775	405736224522	200156627435	436120015106	076645162006	577241736724
437222005	660773704627	201641517743	420400000020	006606110025	042060103054
453361775	401412662517	200157140363	343020015133	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
562012005	401575232716	201643165155	233000000020	006706640025	041060103054
372331774	712163577652	200161771721	627720015362	441256622006	674611156455
354222006	407254537731	201643352243	655700000020	007306610025	041060103054
034351774	702622777362	200162302626	315520015411	056043732006	703470126644
303302006	414666602237	201643527737	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	006020015516	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 C560

FILE 0001 REC 0004 CH C560

0001	000030160446	573320114222	207037021774	623112102566	20016
0045	200653424166	607057732473	135461372006	461435573277	20164
0057	000030160453	007520155270	106464651774	614723064474	20016
0145	200653105622	140057732416	077624742006	466424423166	20164
0153	000030160457	223720126437	153526461774	606634260320	20016
0241	200652573545	137057732342	001614012006	473353202551	20164
0285	000030160500	240220117331	404742031774	557557576614	20016
0337	200651201770	732157732073	327105472006	51634105722	20164
0385	000030160504	454120117063	537167601774	552176255556	20017
0433	200650723725	315457732023	631224502006	523032175404	20164
0481	000030160510	667720104521	351317151774	544673752550	20017
0525	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
0765	000030160525	533520114555	562241211774	525304134071	20017
0817	200647402032	304257731575	635574612006	544754750305	20164
0865	000030160531	747520076420	560353611774	520332055756	20017
0913	200647124433	310657731532	225711262006	551234224214	20165

FILE 0001 REC 0005 CH C560

0001	000030160536	163420135044	550776471774	513443715205	20017
0045	200646653330	262257731467	425370022006	555457754004	20165
0057	000030160542	377420106210	545051731774	506650622374	20017
0145	200646406507	267157731425	452011742006	561645234525	20165
0153	000030160553	027320074376	560223431774	475460127270	20017
0241	200645712117	043557731323	651201742006	572110713422	20165
0285	000030160557	243120135363	736024671774	471071523252	20017
0337	200645462353	710257731264	043106222006	576164260575	20165
0385	000030160563	457120105110	372026511774	464566535220	20017
0433	200645243372	745357731225	103234152006	602205135412	20165
0481	000030160567	673120135374	243570321774	460324711045	20017
0525	200645016076	634157731166	560501642006	606200006705	20165
0577	000030160574	106720067042	321021711774	454134314745	20017
0625	200644570613	315057731130	756252532006	612142437303	20165
0673	000030160600	322520126755	545372111774	450017242203	20017
0721	200644335511	330457731073	672476072006	616054105657	20165
0765	000030160604	536320104010	317612021774	443747040371	20017
0817	200644114630	622057731037	325374052006	621737236065	20165
0865	000030160610	752120134435	023366221774	437746042537	20017
0913	200643700236	546757731003	476744532006	625573102454	20165

FILE 0001 REC 0006 CH C560

0001	000030160615	166020066153	602232021774	434016647533	20017
0045	200643470127	201157730750	467370132006	631375121437	20165
0057	000030160621	401520125406	103744541774	430133302311	20024
0145	200643264316	144257730716	043566202006	635153163162	20165
0153	000030160625	615220076507	542745101774	424315315177	20024
0241	200643054773	340357730664	062125102006	640703536462	20165
0285	000030160632	030720125616	530445021774	420544710175	20024
0337	200642671736	765657730632	542324572006	644406423541	20165
0385	000030160636	244420064554	11440711774	415050370473	20024
0433	200642510505	375457730601	702332472006	650062730113	20165
0481	000030160642	457520124072	706512551774	411405014312	20024
0525	200642321141	030357730551	454167142006	653512761447	20165
0577	000030160646	673020075354	270706731774	406001354046	20024
0625	200642131565	470057730521	653246152006	657116246723	20165
0673	000030160653	105620125474	114160571774	402441045110	20024
0721	200641742233	513457730472	524421712006	662472210525	20165
0765	000030160657	320420057553	051211151773	776271576430	20024
0817	200641552701	537157730443	773733212006	666024271752	20165
0865	000030160663	533020117347	123146601773	767556263365	20024

7021774	623112102566	200165240360	077220015654	424545572006	757371001270
1372006	461435573277	201645241707	376600000020	310307710025	043034103054
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307.1 Nov. 3, 1962

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7252010	756324376473	201755223607	0554000000005	314012510151	101027104103
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131775	771152215310	200153631006	161720024035	116237042006	406531000543
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561776	400762715002	200153615326	111320024075	302356662006	425403111725
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001776	405257141001	200153603664	623020024136	064356522006	444427761057
652004	566436000540	201565533541	0721000000020	314514310031	103102103114
001776	411351106771	200153550333	554620024167	671741142006	463433715117
222004	642167271225	201565425042	4113000000020	314414320031	103103103155
001776	415325613770	200153503211	411520024215	555425042006	502503023324
442004	716102514420	201565304154	5152000000020	314514330031	103103103132
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0765	000002363276	326620157412	606441501774	532571227213	2
0817	200750444203	625220044474	404663552007	702563211437	2
0865	000002363313	531320125545	653613651774	506560330053	2
0913	200747655377	672020044672	636602202007	711054602725	2

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0145	200747276316	070320045010	472751502007	715041133741	2
0193	000002363337	551020125024	656127511774	454374056372	2
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0285	000002363343	766320156104	502547171774	447153056530	2
0337	200746425204	060520045220	600012002007	724107646204	2
0385	000002363350	203620126764	576153011774	442014005373	2
0433	200746262704	574720045264	176177062007	726003275620	2
0481	000002363354	421120144236	352127541774	434725716437	2
0525	200746112205	632720045327	070441602007	727664376437	2
0577	000002363360	636420124206	112363321774	427714232327	2
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0673	000002363365	054320154472	551412411774	422700463367	2
0721	200745565713	422220045432	665653602007	733364155450	2
0765	000002363371	272020125254	616501141774	416052055047	2
0817	200745417021	167220045473	701352252007	735204510470	2
0865	000002363375	507520135770	204203231774	411340434126	2
0913	200745252264	075320045534	252470472007	737012612401	2

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0097	000002363406	143320147106	032461011774	400516161141	2
0145	200744747406	250520045633	431106202007	742370251260	2
0193	000002363412	361320124257	637760171773	770622500330	2
0241	200744611270	703420045672	235371522007	744137552445	2
0285	000002363416	577120136011	412245401773	760362231020	2
0337	200744455316	242420045730	375412722007	745674536651	2
0385	000002363423	015020115763	113272441773	750310777172	2
0433	200744323476	364720045765	757743322007	747415022470	2
0481	000002363427	233020145501	771657431773	740360060455	2
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0577	000002363433	451420116757	705755631773	730564634726	2
0625	200744046450	262420046057	655341472007	752630760640	2
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01776	430235337266	200153235305	627120024267	127346462006	560126416252
72005	451412406070	201564763626	375700000020	314514320032	747103104157
01776	433370204116	200153131307	504320024274	070035272006	577243334270
72005	477636631640	201564671023	243300000020	314514330031	103105105132
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22007	665370552716	201646650534	335300000022	012710310151	143057104144
41774	576212107200	200157663172	374520014002	546647042011	520006545057
12007	667564327413	201647041724	607700000022	012510320152	143057103144
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41773	750310777172	200167533652	014020014017	607253172011	530154375044
22007	747415022470	201654753611	745000000022	313511610117	105103050103
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72007	751127137534	201655143721	504400000022	314011720114	105103050104
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O.C.

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0913	200743462002	745620046203	135251272007	757452430421	20

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FORM 1111

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0625	200742421354	744020046464	311616532007	772077316521	20
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0193	000002363540	025620105566	227576551773	563051524606	20
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0337	200741473662	525420046721	207100102010	401751307516	20
0385	000002363550	464420104521	351317151773	550532106373	20
0433	200741370417	243220046746	145452432010	402501061415	20
0481	000002363554	704020125174	415307021773	543530554023	20
0529	200741262736	040720046772	606321762010	403225246730	20
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0913	200740677125	030320047111	225643052010	405703202762	20

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0337	200744603034	777757732176	120227322011	400665055523	20
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0433	200740515455	072557762130	421756062004	460221324407	20
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0577	000030160225	327320147274	065657441775	543330614040	20
0625	200677354313	356657753575	207014772004	555766227354	20
0673	000030160231	543320206553	520703451775	535535040151	20

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072007	757452430421	201656102633	135700000022	314012020114	105104041105
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32007	767141716262	201657224033	457200000022	314112230115	105103034103
31773	633232002365	200173104214	645120014043	615601632011	534157144336
22007	770524515124	201657412316	741000000022	314312340126	104105032103
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12010	403746035601	201662016140	634100000022	314413030127	103103030103
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12010	404463237545	201662201200	427100000022	314512540122	103103030103
11773	525115055652	200177147410	620620014073	016634672011	540470352474
12010	405174556752	201662363257	550100000022	314412410114	105103027103
11773	520407646544	200177410722	041020014074	777407132011	540735026433
12010	405703202762	201662545564	616000000022	314112520113	105103027104
11773	513770121766	200177650723	467320014077	111653642011	541201507230
12010	406406447564	201662727745	567600000022	314412530116	103103027104
11773	507456135332	200240043577	565120014101	560304632011	541465156331
12010	407106501024	201663112170	242500000022	314013040120	103103027103
11773	503204021704	200240162257	400120014104	072017252011	541712625675
12010	407603341713	201663274001	230000000022	314312510113	104103027103
5774	277777777777	200273545640	064020014006	064017622010	616207002102
12011	400665055523	201756140214	052500000003	014214130025	055051103055
11775	557032745044	200147433111	222720014255	752642172004	737417675321
12004	460221324407	201573202543	027200001020	010506310025	043056103054
11775	551176712133	200147677255	517420014300	541514312005	431643516512
12004	517515430742	201573470352	030100000020	010306420025	043056103055
11775	543330614040	200150146245	717120014323	612756732005	476143140540
12004	555766227354	201573762062	037000000020	010106330025	043056103054
11775	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 0560

from 0011

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

0001	000030160246	407520154423	471332311775	514563712310	2001
0045	200674061432	653457751104	022041302004	746760333562	2015
0057	000030160252	623620205462	507245611775	507141426240	2001
0145	200673234027	063657750401	105253622005	402145660730	2015
0193	000030160257	040020114326	706060201775	501555301623	2001
0241	200672417166	415757743741	534127702005	420563530455	2015
0285	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	2015
0769	000030160310	551420154501	336271251775	442231242776	2001
0817	200666262372	575557742136	753337302005	544001623574	2015
0865	000030160314	765720174770	265152571775	435264657227	2001
0913	200665561473	337657741722	247737352005	561205702461	2015

212004	614114214515	201574256274	557100000020	010106340025	043056103054
031775	527771220235	200150674527	104520014372	765507722005	605646350525
032004	652660627076	201574555554	766400000020	007506110025	042057103054
071775	522255462553	200151154020	215720014417	067010652005	646770732453
022004	710742753620	201575060076	110500000020	007706020025	042057103054
011775	514563712310	200151436130	155120014443	604025742005	706171726321
002004	746760333562	201575366210	750200000020	007606130025	042057103054
011775	507141426240	200151723071	272020014470	247720072005	744035353605
022005	402145660730	201575675635	776100000020	006605740025	042057103054
001775	501555301623	200152212663	761620014515	045503532006	400076416673
002005	420563530455	201576207575	167300000020	007406010025	042057103054
051775	474216062217	200152507165	177020014542	351170542006	415023032614
072005	437036373322	201576524407	734400000020	007205720025	042057103054
071775	466736132331	200153003057	637120014567	140113222006	431615761353
022005	455155462464	201577042665	365200000020	007005730025	042057103054
001775	461523455061	200153300271	746720014613	576317002006	445762246215
032005	473136765107	201577363177	652600000020	007206140025	042057103054
001775	454345146331	200153577023	625420014637	476701272006	461332041666
002005	510754375313	201577705544	730400000020	007105710025	042057103054
071775	447251307441	200154077062	134220014664	027024002006	474472674057
022005	526444076323	201640115055	257700000020	007206120025	042057103054
051775	442231242776	200154400432	530120014710	510355212006	507312352621
002005	544001623574	201640270263	200200000020	006705630025	042060103054
071775	435264657227	200154703322	771320014735	323605412006	521611106136
022005	561205702461	201640444507	272700000020	007105740025	042060103054

DAY	FLUX	B	L	B/20	
22.5346	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	1.081708	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	42.08
22.9479	5.139081E 00	0.007640	3.534998	1.084000	42.1
22.9481	5.482351E 01	0.007621	3.537913	1.083912	42.31
22.9483	0.	0.007606	3.540827	1.083296	42.4
22.9485	5.653859E 01	0.007588	3.543742	1.083071	42.54
22.9487	5.139081E 00	0.007565	3.546656	1.082931	42.66
22.9489	5.653699E 01	0.007549	3.549571	1.082976	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

B/30

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
1.079224	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
1.080633	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	41.5170	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	42.3155	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	44.8705	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

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EXPL 15

5

EXPLORER 15 CHARGED PARTICLES

ORBITS 0 - 4

ORBIT
NUMBERSTART 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 HRMN

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	6.262812
1.713007E 00	1.713003E 00	1.713009E 00	1.713009E 00	0.005994

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15 CHARGED PARTICLES PAGE 6
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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

MAXIMUM AND MINIMUM VALUES

UNT 02	B	L	3/30	DEC	A_T
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
5	302 554	302
7	302 11 9	302
8	302 1524	302
9	302 2139	303

TIME SPANS OF CONTINUOUS DAY

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 1527	302 1124
302 1137	302 1137
302 1117	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	5.741312E 02	2.853832E 04	4.878194E 03	0.230547	1.
5.139066E 00	1.713003E 00	3.426035E 00	3.426036E 00	0.005914	1.

ER 15 CHARGED PARTICLES

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ORBITS 5 - 9

START TIME DAY HRMN	STOP TIME DAY HRMN
302 039	302 554
302 554	302 11 9
302 11 9	302 1524
302 1524	302 2139
302 2139	303 254

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
302 1 7	302 136
302 2 3	302 414
302 713	302 714
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/B3	DEC	A.T
.878194E 03	0.230542	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 TIME DAY HRMN
10	303 254	303 8 8
11	303 8 8	303 1323
12	303 1323	303 1833
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
1.372936E 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

CHARGED PARTICLES PAGE 8
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ORBITS 10 - 14

START TIME	STOP TIME
DAY HR MN	DAY HR MN

3 254	303 8 8
3 8 8	303 1323
3 1323	303 1833
3 1838	303 2353
3 2353	304 5 7

NS OF CONTINUOUS DATA
MN DAY HR MN

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

02	B	L	3/30	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	STOP 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
304 123	304 6 0
304 5 5	304 621
304 630	304 733
304 744	304 1113
304 1146	304 1548
304 1555	304 1525
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	3	1
4.948593E 04	6.538051E 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

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ORBITS 13 - 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

MAXIMUM AND MINIMUM VALUES

	B	L	B/B0	DEC	ALT
22E 03	0.300013	4.34312	3.6441	89.6317	24005.
21E 00	0.005529	1.10170	0.9999	21.8977	6690.

ORBITS 20 - 24

ORBIT NUMBER	START TIME DAY HRMN	STOP TIME DAY HRMN
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	306 935

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 2311
305 2322	305 0113
305 0337	306 0224
306 0327	306 0516
306 0530	306 0537
306 0552	306 0618
306 0930	306 0935

MAXIMUM AND MINIMUM VALUES

COUNT A1	COUNT A2	COUNT D1	COUNT D2	B	L
5.476452E 04	6.417721E 02	3.390831E 04	4.153406E 03	0.322759	4.25355
5.139066E 00	1.713003E 00	1.713009E 00	1.713009E 00	0.005499	1.12552

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ORBITS 20 - 24

START TIME	STOP TIME
DAY HRMN	DAY HRMN

305 721	305 1236
305 1236	305 1751
305 1751	305 23 6
305 23 6	306 420
306 420	306 935

RANS OF CONTINUOUS DATA
HRMN DAY HRMN

525	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	306 935

UM AND MINIMUM VALUES

T D2	B	L	B/80	DEC	ALT
06E 03	0.322759	1.25355	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	306 2
27	306 20 4	307
28	307 119	307
29	307 634	307 1

TIME SPANS OF CONTINUOUS DATA

DAY HRMN	DAY HRMN
306 930	306 1023
306 11 6	306 1113
306 1120	306 1539
306 1523	306 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	
3.928598E 04	6.280211E 02	3.487352E 04	4.703615E 03	0.251579	4.2
2.740988E 01	1.713203E 00	3.426035E 00	1.713009E 00	0.005499	1.1

CHARGED PARTICLES PAGE 11 62-059A-02A

ORBITS 23 - 23

START TIME DAY HRMN	STOP TIME DAY HRMN
306 935	306 1450
306 1450	306 20 4
306 20 4	307 119
307 119	307 531
307 634	307 1149

SPANS OF CONTINUOUS DATA
HRMN DAY HRMN

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

MAX AND MINIMUM VALUES

IF D2	B	L	3/30	DEC	ALT
15E 03	0.251579	4.26912	3.5328	88.0125	24004.
09E 00	0.005499	1.15823	0.7999	22.3970	7197.

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	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
1.8-1.9	0	20	63	15	0	0	0	0	0	0	0	0	0
1.9-2.0	0	1	63	41	0	0	0	0	0	0	0	0	0
2.0-2.1	0	0	47	30	0	0	0	0	0	0	0	0	35
2.1-2.2	0	0	34	30	15	0	0	0	0	0	0	0	84
2.2-2.3	0	0	8	71	48	0	0	0	0	0	0	0	108
2.3-2.4	0	0	0	73	73	0	0	0	0	0	0	6	133
2.4-2.5	0	0	0	33	89	0	0	0	0	0	0	64	93
2.5-2.6	0	0	0	35	94	24	0	0	0	0	0	118	72
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	38	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	206	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	111	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

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CHARGED PARTICLES 52-059A-02
FILE AND LOCAL TIME FOR THIS TAPE

[illegible]

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

[illegible]

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AND LOCA. TIME FOR THIS TAPE

[illegible]

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[illegible]

52-057A-02A

15 CHARGED PARTICLES 52-059A-02A
UES OF L AND LOCAL TIME FOR THIS TAPE

[illegible]

TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14
L RANGE														
1.0-1.1	0	0	0	3	0	0	0	0	0	0	0	0	3	0
1.1-1.2	0	0	0	3	0	0	0	0	0	0	0	0	0	0
1.2-1.3	3	3	3	3	0	0	0	0	3	3	0	0	0	0
1.3-1.4	28	0	0	3	0	0	0	3	0	0	0	0	0	0
1.4-1.5	51	11	0	3	0	0	0	0	3	3	0	0	0	0
1.5-1.6	84	69	0	3	0	0	3	3	0	0	0	0	0	3
1.6-1.7	26	123	15	3	0	0	0	0	0	3	3	0	0	38
1.7-1.8	0	72	99	3	0	0	0	0	0	0	0	0	0	79
1.8-1.9	3	4	163	3	0	0	0	0	0	3	0	0	5	76
1.9-2.0	0	0	131	43	0	0	3	3	0	0	0	0	44	75
2.0-2.1	3	3	16	155	0	0	0	0	3	3	0	3	74	44
2.1-2.2	0	0	0	155	0	0	0	3	0	0	0	0	100	34
2.2-2.3	3	3	3	175	5	0	0	0	3	3	0	13	93	20
2.3-2.4	0	0	0	73	103	0	0	3	0	0	0	58	79	10
2.4-2.5	0	3	3	11	190	0	0	0	0	3	3	86	53	6
2.5-2.6	0	0	0	1	198	0	0	3	0	0	0	120	40	1
2.6-2.7	3	3	3	3	217	0	0	0	0	3	3	151	34	0
2.7-2.8	0	0	0	3	152	70	0	3	0	0	45	97	25	0
2.8-2.9	3	3	3	3	62	172	0	0	0	3	94	73	15	0
2.9-3.0	0	0	0	3	25	207	0	3	0	0	121	60	10	0
3.0-3.1	3	3	3	3	13	239	0	0	0	3	145	51	4	0
3.1-3.2	0	0	0	3	1	253	5	0	0	8	159	43	0	0
3.2-3.3	3	3	3	3	0	162	113	0	0	94	111	40	0	0
3.3-3.4	0	0	0	3	0	93	210	0	0	158	75	34	0	3
3.4-3.5	3	3	3	3	0	68	271	0	3	219	51	27	0	0
3.5-3.6	0	0	0	3	0	45	326	21	35	247	59	19	0	0
3.6-3.7	3	3	3	3	0	35	214	276	255	142	54	7	0	0
3.7-3.8	0	0	0	3	0	15	147	510	436	91	66	1	0	0
3.8-3.9	3	3	3	3	0	12	129	231	223	75	53	0	0	0
3.9-4.0	0	0	0	3	0	5	106	165	155	66	44	0	0	0
4.0-4.1	0	3	3	3	0	0	87	111	71	57	38	0	0	0
4.1-4.2	0	0	0	3	0	0	64	102	88	73	30	0	0	0
4.2-4.3	3	3	3	3	0	0	59	101	63	73	15	0	0	0
4.3-4.4	0	0	0	3	0	3	36	109	109	82	0	0	0	0
4.4-4.5	3	3	3	3	0	0	31	89	79	53	3	0	0	0
4.5-4.6	0	0	0	3	0	0	13	102	98	59	0	0	0	0
4.6-4.7	3	3	3	3	0	0	1	107	110	43	0	0	0	0
4.7-4.8	0	0	0	3	0	0	3	68	77	16	0	0	0	0
4.8-4.9	0	3	3	3	0	0	0	38	99	3	3	0	0	0
4.9-5.0	0	0	0	3	0	0	0	8	20	0	0	0	0	0
5.0-5.1	3	3	3	3	0	0	0	0	3	3	0	0	0	0
5.1-5.2	0	0	0	3	0	0	0	3	0	0	0	0	0	0
5.2-5.3	3	3	3	3	0	0	0	0	0	3	3	0	0	0
5.3-5.4	0	0	0	3	0	0	0	0	0	0	0	0	0	0
5.4-5.5	0	3	3	3	0	0	0	0	0	3	0	0	0	0

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CHARGED PARTICLES 62-359A-02A
OF L AND LCA TIME FOR THIS TAPE

[illegible]

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	93	115	0	0	0	0	0	0	0	0	0	0
1.8-1.9	0	32	195	0	0	0	0	0	0	0	0	0	0
1.9-2.0	0	17	184	15	0	0	0	0	0	0	0	0	131
2.0-2.1	0	5	117	115	0	0	0	0	0	0	0	0	248
2.1-2.2	0	3	64	133	0	0	0	0	0	0	0	0	280
2.2-2.3	0	0	41	203	0	0	0	0	0	0	0	96	207
2.3-2.4	0	0	28	209	23	0	0	0	0	0	0	211	96
2.4-2.5	0	0	15	133	95	0	0	0	0	0	0	249	52
2.5-2.6	0	0	10	99	170	0	0	0	0	0	1	277	29
2.6-2.7	0	0	3	79	217	0	0	0	0	0	57	236	17
2.7-2.8	0	0	0	33	245	1	0	0	0	0	153	159	7
2.8-2.9	0	0	0	39	225	44	0	0	0	0	235	115	0
2.9-3.0	0	0	0	30	176	141	0	0	0	0	279	75	0
3.0-3.1	0	0	0	20	119	213	0	0	0	3	312	50	0
3.1-3.2	0	0	0	13	96	270	0	0	0	78	256	37	0
3.2-3.3	0	0	0	5	83	315	3	0	0	153	192	23	0
3.3-3.4	0	0	0	2	67	299	73	0	0	247	149	16	0
3.4-3.5	0	0	0	0	51	195	234	0	38	239	127	5	0
3.5-3.6	0	0	0	0	48	159	355	0	130	222	92	0	0
3.6-3.7	0	0	0	0	35	140	493	38	399	233	64	0	0
3.7-3.8	0	0	0	0	26	129	300	800	577	120	46	0	0
3.8-3.9	0	0	0	0	13	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	149	195	195	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	152	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	152	36	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

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52-059 A-02 A

THIS TAPE

[illegible]

EXPLORER 15 CHARGED PARTICLES
MATRIX OF VALUES OF λ 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	1	0	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	0
1.3-1.4	190	8	0	0	0	0	0	0	0	0	0	0	0	0
1.4-1.5	310	127	0	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	0
1.5-1.7	128	453	123	0	0	0	0	0	0	0	0	0	0	26
1.7-1.8	11	327	425	1	0	0	0	0	0	0	0	0	7	42
1.8-1.9	0	152	597	45	0	0	0	0	0	0	0	0	156	40
1.9-2.0	0	38	555	211	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	15	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	22	869	185	0	0	0	0	153	699	215	2
2.7-2.8	0	0	0	13	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	10	295	1021	13	0	0	8	772	461	76	
3.0-3.1	0	0	0	20	173	1078	145	0	0	73	909	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	103	33	1175	628	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	333	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	373	237	13	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	153	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	

TAPE 1-6 COMBINED

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[illegible]

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

[illegible]

Tape #1

PAGE 7

PAGE 100

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

[illegible]

MATRIX OF VALUES OF B/B) AND

[illegible]

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62-259A-02A

- JES OF B/B) AND - FOR THIS TAPE

FOR THIS TAPE

-1.7 -1.8 -1.9 -2.0 -2.2 -2.4 -2.5 -2.3 -3.0 -3.5 -4.0 -5.0

[illegible]

C

H/B 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	5	3	3
1.3-1.4	17	2	8	5	8	4	3	1	2	5	5
1.4-1.5	2	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
1.5-1.7	14	10	7	18	19	9	5	7	10	4	5
1.7-1.8	19	10	15	13	21	6	13	9	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	3
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	25	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	54	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	27	19	19	19	27	16	11	16	18	20
2.8-2.9	151	19	36	11	32	15	23	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	42	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

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52-059 A-D2 A

5 CHARGED PARTICLES 52-059A-D2A
VALUES OF B/BO AND L FOR THIS TAPE

[illegible]

B/B ₀ RANGE	1-1.05	1.05-1.10	1.10-1.15	1.15-1.20	1.20-1.25	1.25-1.30	1.30-1.35	1.35-1.40	1.40-1.45	1.45-1.50	1.50-1.55	1.55-1.60	1.60-1.65	1.65-1.70	1.70-1.75	1.75-1.80	1.80-1.85	1.85-1.90	1.90-1.95	1.95-2.00
1.0-1.1	24	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1-1.2	50	12	8	4	7	2	1	0	0	0	0	0	0	0	0	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	7	9	7	7							
1.6-1.7	37	21	13	9	13	9	6	4	8	11	9	14								
1.7-1.8	33	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	13	19	19	29	18	12	13	22	9	13	14								
2.1-2.2	53	20	20	19	25	24	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	3	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	3	4								
2.7-2.8	71	85	39	32	67	22	29	17	6	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	9	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	9	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	37	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	3	60	34	10								
4.4-4.5	0	0	0	0	0	0	0	0	0	0	25	54								
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								

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CHARGED PARTICLES 62-059A-02A
A. JES OF B/B3 AND - FOR THIS TAPE

CHARGED PARTICLES
VALUES OF B/B₀ AND

[illegible]

2

[illegible]

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15 CHARGED PARTICLES 52-059A-02A
OF VALUES OF B/B0 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

[illegible]

[illegible]

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52-159A-024

VA_JES OF 3/80 AND - FOR THIS TAPE

[illegible]

EXPLORER 15 CHARGED PARTICLES

MATRIX OF VALUES OF θ/θ_0 AND L FOR T

[illegible]

TAPES 1-6 CONTAINED

PAGE 100

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ER 15 CHARGED PARTICLES 62-059A-02 A
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

[illegible]

8

7640255

7701392

THIS VALUE WAS NOT USED

300.9380 0.1625 2 - B

THIS VALUE WAS NOT USED

300.9882 0.1593 2 - B

THE THIRD VALUE FOLLOWING WAS NOT USED

323.6113 0.0146

328.6150 0.0145

329.6199 -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 37.2973 DEC

330.1058 75.8737

5 ← CODE INDICATING DECLINATION

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1050 74.3408

6

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1062 72.8709

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1064 71.4181

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1066 59.9822

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1068 58.5634

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1070 57.1615

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2973 DEC

330.1070 57.1615

5

330.1072 65.7768

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2978

330.1074 54.3773

DEC

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2978

330.1076 53.0565

DEC

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2978

330.1078 61.7781

DEC

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2978

330.1080 50.5669

DEC

5

THE THIRD VALUE FOLLOWING WAS NOT USED

330.1016 77.5029

330.1040 37.2978

330.1082 59.3607

DEC

5

THE THIRD VALUE FOLLOWING WAS NOT USED

352.4994 0.0084

352.4996 0.0084

352.4998 -5.0000

B

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

366.6665 79427.4561

L

3

THIS VALUE WAS NOT USED

366.6663 1.7050

3

L

THE THIRD VALUE FOLLOWING WAS NOT USED

337.1215 0.0065

337.1218 0.0065

337.1220 -5.0000

B

2

THE THIRD VALUE FOLLOWING WAS NOT USED

337.1215 3.6933

337.1218 3.6915

337.1220 1.6493

L

THE THIRD VALUE FOLLOWING HAS NOT USED

337.1215 23541.1912
387.1218 23530.8440
387.1220 10057.7495

FLA

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

337.1224 0.0066

2

B