



#417

IMP H & J

MERGED HOURLY SOLAR WIND PLASMA DATA

72-073A-10B

73-078A-10B

IMP-J

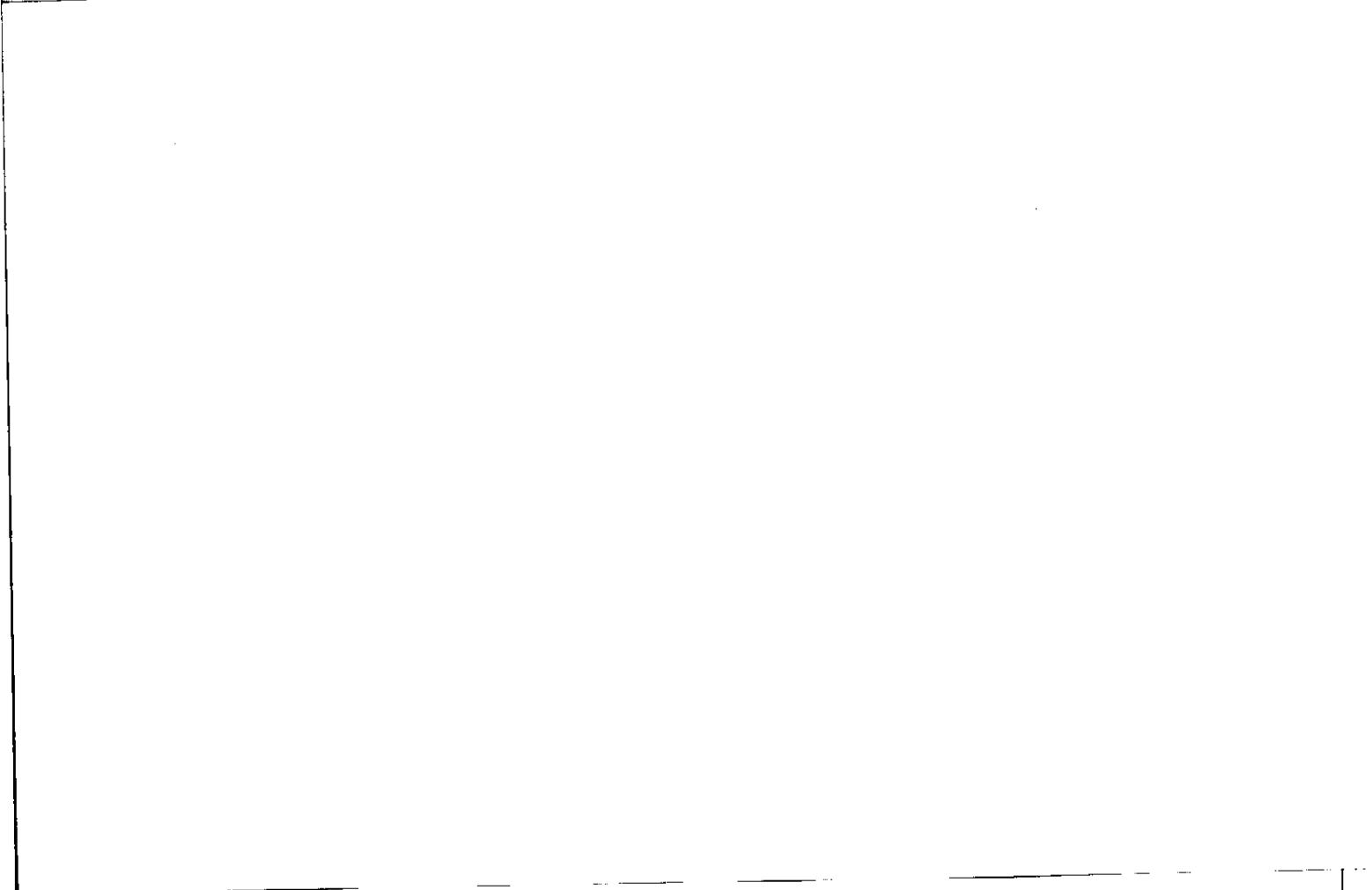
HOURLY AVG SOLAR WIND PLASMA DEN VELOCITY,

PROTON TEMP DATA

73-078A-10D

HIGH RESOLUTION PLASMA DATA, PROMISE PERIOD

73-078A-10E



IMP-H & J

MERGED HOURLY SOLAR WIND PLASMA

72-073A-10B

73-078A-10B

THESE DATA SETS HAVE BEEN RESTORED. ORIGINALLY THEY CONTAINED FOUR 7-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A CDC 6600 COMPUTER AND WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR003893	DS003893	D030933	1	01/01/75 - 12/30/75 (a)
		D033019	2	01/03/76 - 12/30/76
		D035179	3	01/01/77 - 12/31/77 (b)
		D043258	4	01/01/78 - 12/31/78 (c)

- (a) D30933 - 1 ERROR, REC. 48, FILE 1
- (b) D35179 - 3 ERRORS, REC. 29, 38, 50, FILE 1
- (c) D43258 - 2 ERRORS, REC. 19, 29, FILE 1

REQ. AGENTVJP
CMP
VJPRAND NO.RC8902
RD1475
V0003ACQ. AGENT

DJH

IMP-H & J

MERGED HOURLY SOLAR WIND PLASMA

72-073A-10B

73-078A-10B

This data set catalog consists of 4 IMP-H & J tapes. The tapes are 800 BPI, Binary, 7 track with 1 file of data. These tapes were written on a CDC 6600 computer. Description on how to find time on following page along with format and dump.

Time span is as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-30933	C-19769	01/01/75 - 12/30/75
D-33019	C-20314	01/ ⁰² 20 /76 - 12/30/76
D-35179	C-20823	01/01/77 - 12/31/77
D-43258	C-21330	01/01/78 - 12/31/78

The tape contains one-hour averages of the solar wind proton density, speed, and temperature for all of 1975. The data is derived from the Los Alamos plasma experiments on IMPs 7 and 8 for which Dr. S. J. Bame is the principal investigator. Each record on the tape contains 500 words consisting of 125 repetitions of the sequence: time (YYMMDDHH), Density (particles/cubic centimeter), velocity (Kilometer/sec), and temperature (degrees K). A computer printout of the data is included.

CDC 60 BIT WORD

Take the 1st 4 digits (1st 2 bytes) and subtract 1717₈, this will tell you how many bits to move over (remember to subtract in Octal).

ex.
$$\begin{array}{r} 1752_8 \\ - 1717_8 \\ \hline 33_8 = 27_{10} \end{array}$$

Then take (in this case) the next 9 digits (27 bits) and convert to decimal

ex. 43611006_8

~~67,108,864~~

6,291,456

1,572,864

32,768

4,096

0

0

18

6

75 01 01 02₁₀

(YR,MO,DA,HR)

part 1 of 1

156671

IMP-HH

INPUT TAPE X-397 ON MSS
DATA INPUT 07 NF=1 FL=1=1

FILE	RECORD	TIME	LENGTH	P DEN	VEL	TEMP	TIME
0)	175243611005	600000001723	4245567201206	075417307367	476523615424	174146177741	307205641752
48)	000017234050	261202114347	1730742210107	7122047221741	52060031333726	5773175224361	100200000000
96)	173670171730	744650147033	364317415025	136753166567	175243611007	10000001722	754112325734
144)	007334147270	174146616337	450703101752	436110072200	0000172225141	1316332723172	123141241015
192)	433074761240	473717524361	100730000000	172247237727	775024761731	4121733157766	421417415002
240)	175243611007	400000001722	562356540433	435017314127	0534023353522	174145721117	465046611252
288)	0000172225246	766165534661	727147407056	2177424251740	755111474003	617517524361	100760000000
336)	521010401731	4033740173226	173140207064	514411733200	175243611003	700000001721	7633155656372
384)	171552321062	1740633556205	130434701752	436110100000	0000172177753	26335020001721	173140267376
432)	543400472431	732717524361	101010000000	172244561752	172244561752	77268255216	7154172405261
480)	175243611010	260000001722	5515477175060	173140307066	420477307607	445456701752	436110103006
528)	0000172225455	660167545034	173140307066	436110106000	172244561752	500000001722	461676257017
576)	170565001730	756277557575	224017405633	045534543161	175243611010	703710671056	1730751644021
624)	100164010374	174055537056	311407161752	436110106000	0000172225450	734057701464	642177405126
672)	542730003031	120517524361	101070000000	172245472773	535762461730	174052703013	1730751644021
720)	175243611011	000000001722	543420075567	154517307206	1722553422633	124052703013	1716331101752
768)	0900172225257	562341632274	173071005766	753423741740	522154311155	360717524361	101140000000
816)	156566041730	656321002075	16017376115	436110235200	175243611023	100000001722	412274276650
864)	637413004053	173753005104	265252351752	436110235200	0000172224415	364243625503	173063316125
912)	470617554413	040017524361	102330000000	172243646476	162422241730	6227447066132	6615173752207
960)	175243611023	400000001722	452256026157	316517306177	3101247715163	173743011225	143764041752
1008)	0000172225551	412506165175	173066235365	247135701737	465764655352	241017524361	102360000000
1056)	103420041730	623663404131	257017374405	024063236704	175243611023	700000001722	550410432477
1104)	077477776323	173677776323	221125101752	436110249000	0000172224421	225445362070	173057351550
1152)	513053561247	653517524361	554405343045	455251447620	3027511717605	563342161341	626317374517
1200)	175243611024	200000001722	554405343045	455251447620	531465127605	173745601765	266260641752
1248)	000172225650	322212614621	173056137052	234200195022	175243611024	500000001722	606354666656
1296)	402427361737	545367202532	543317374402	173056137052	543647717737	457007037051	102440000000
1344)	556577557505	173740516073	175273611752	436110246000	0000172227370	513145294644	173055100316
1392)	541366641704	404717524361	102470000000	172266382351	445371661730	5622272117050	262317375020
1440)	175243611025	00000001723	535426557022	263517309461	373561546231	173757421764	1151554071752
1488)	000017234250	664273134166	1730544225657	711205721737	444103060061	650617524361	102520000000
1536)	403615731730	536564043601	153017367741	162217207416	175243611025	300000001723	410244377232
1584)	055022211522	173741422632	655567541752	436110954000	0000172344402	301361207400	173053543332
1632)	725607001771	600000001723	102250000000	173232344110	613111517370	537302366033	462517365107
1680)	175243611025	600000001723	512204530052	0210173305350	643421730637	173642642262	7112342011752
1728)	000017233153	370436637474	173053071467	023665351735	775570131014	235117524361	102600000000
1776)	476646321730	516651520760	752117354566	436110376000	175243611037	500000001723	515642100602
1824)	676046613515	1735436353265	075203361752	172454125106	0266434101730	263152302605	424717355541
1872)	521313206626	334117524361	103372000000	172454125106	0266434101730	526202505661	424717355541
1920)	175243611040	000000001724	533025031224	0552177305256	517424463152	173566127757	110214601752
2016)	740610711730	534423171062	17305757245	233165504272	175243611040	300000001725	4375524245720
2064)	373004540212	173640152371	133345401752	436110404000	000017254465	730407700464	173055412067
2112)	511033542765	667117524361	104050000000	1762036624066	757627061730	603735067632	132717414410
2160)	000017236223	514212524314	173057565601	764102311741	4161673326625	174141261050	607346541752
2208)	000017236223	602310133631	226017407557	646714135074	175243611041	100000001723	624410770405
2256)	324634452285	174140075507	155270000000	4361104135074	175243611041	100000001723	624410770405
2304)	602617147645	510017524361	104200000000	7711445101743	332445121730	637367324631	640317404526
2352)	175243611042	100000001724	571507261471	1721173306321	531422271450	174404204361	536567111752
2400)	000017245327	6401635564202	173065656324	633300061741	413116114430	066317524361	104230000000
2448)	462367431730	744435262027	763717407613	415240651401	175243611042	400000001724	512104525322
2496)	355514326750	174176261001	717655651752	436110541000	000017237023	3415332271735	173140030541
2544)	430666200675	172117524361	105420000000	172442210723	331105751730	774534677620	677617425176
2592)	175243611054	300000001724	415005410471	637067307442	133437441116	174242613051	761551611752
2640)	00017244427	603740767240	173076411634	670503521742	425225305324	0635175524361	105440000000
2688)	663434701731	4037425557464	271517424646	5246237555603	175243611054	600000001723	6262667233024
2736)							

IBM 32 BIT WORD
8 BIT BYTE

CBC 60 BIT WORD
45/453365

78/0/p/p 1/p 1

17520
17170
330 = 370

101 485 %0
63, 108 %4
415SY17

D-43258
1/01/78-12/31/78

INPUT TAPE X4 08 ON MT6 30
DATA INPUT 07 FL 1111

DUMP OF TAPE X408

45/453365

TEMP

FILE	RECORD	1. LENGTH	500 BYTES	564 17338572	170356546351	17371541640	14322441752	451453366300
(43)	175245145341	500000001723	535611627646	112665451737	642264622127	021617524514	533677002450	17235151245
(96)	0573631730	5432	3172641	043217375202	425044723351	175245145337	000001723	660144432654
(144)	11151445342	173762454194	641236111752	451453371020	000017256763	102213322464	173056541254	475367531737
(192)	633403733340	1622175244514	533720000000	1723764322511	736361021730	604437225652	431117375213	314634753104
(240)	175245145337	300000001722	6375113304003	4745173096153	155125324313	473144641752	451453374000	451453374000
(288)	00172227221	173474110256	173063227464	536115151740	5133775095657	413417524514	533750000000	17234254343233
(336)	505136041730	632022613617	2220114404340	6334265676105	175245145337	600000001722	717461934445	3677117306323
(384)	035356644313	174043010462	5237507571752	451453377000	0000112234073	7022272441027	173062755451	461556591737
(432)	77137171477	500117524514	524000000000	172367644222	476220641730	623722162227	576174343327	632242412672
(480)	175245145341	400000001723	506362761024	2432173305643	706324265267	173773537723	724645741752	451453331000
(528)	000172337776	161747172131	0020174005726	177072100761	175245145337	000000001722	6123631067554	172357273110
(576)	443530011730	631301424766	173064917751	4514533542000	090017236144	610747150756	173064030741	612547241741
(624)	706164467474	174662317255	357500621752	4514533542000	477220711730	641550104365	066717414307	542547241741
(672)	415744230271	121317524514	535430000000	143817336403	7577444150506	17517524514	535460000000	173340504771
(720)	175245145334	400000001723	4762330000300	143817336403	175245145334	700900001722	6744345566332	321017306332
(768)	000172334612	355422272641	173063646457	376377351740	175245145334	0000017226373	173061375645	444671041740
(816)	007135551730	6365740357203	3126174006421	4514533500000	000017226373	610747150756	112217377516	171440622746
(864)	277353055121	174553245000	17563	251752	172272203671	240445761730	606655426317	112217377516
(912)	4526444466347	366217524514	5355970000000	15051730657	230212444030	174041274362	237343361752	451453367800
(960)	175245145356	000000001722	707753766023	17306364771	420552775306	11617524514	536760000000	172252261174
(1008)	000172227437	553431160515	17306364771	2674433361749	175245145337	700900001722	764726752265	162117306111
(1056)	432416241730	636516532401	2716174046625	4514537000000	000017227547	000003001722	6702533734330	205653551740
(1104)	121702133222	1740444107007	041001501752	4514537000000	172270057015	6075316170310	326117404463	552232447016
(1152)	450075545373	636517524514	5370100000000	172270057015	6222117306035	006264241730	1740422012563	632677651752
(1200)	175245145337	200000001722	607215631232	173057544117	352475451740	407012602437	407217524514	555362116351
(1248)	000017226132	421351044523	1444217444327	423624035725	175245145337	500000001722	205305743326	173056534230
(1296)	44476661730	639557374156	537077777334	4514537000000	1722754750734	1737676553625	737717376425	351563034562
(1344)	524753367746	173775777334	535432651752	4514537000000	1722754750734	1737676553625	727435211752	4514537000000
(1392)	715625032362	121317524514	537077777334	56472	140923	602324630473	463217524514	537120000000
(1440)	175245145371	000000001722	56472	140923	343717305677	623242630473	173764367573	727435211752
(1488)	00017226632	7467609519352	1730567535546	422735521737	677020200781	400000001722	703711561732	047617305654
(1536)	600175041730	56536852560	773517376773	49151565222	175245145371	417261251766	173056333743	33341271737
(1584)	22551616527	1737563163336	322096421752	4514537000000	00001722535	56357473306	51217375713	76151124664
(1632)	53526766345	137217524514	5371600000000	1722754750734	253457461730	1737676553625	7140664231752	451454231752
(1680)	175245145371	700000001723	520109646337	7622117305640	33271174313	1737676553625	451454231752	17236746677
(1728)	00017235755	120374732455	106717376273	455042071160	175245145372	2026417524514	451526244416	573317344042
(1776)	572912111730	56575753323	106717376273	451453723000	170456173406	1731438436112	72606321741	72606321741
(1824)	62556533743	174241110120	4502217611752	451453723000	170456173406	2350017426205	472172743050	451454346003
(1872)	74950301004	6155215244514	53724	0000000	172453140117	5644565951731	3213564101752	451454346003
(1920)	175245145404	100000001723	7260636751535	172453140117	0000175244514	540470000000	472543003751	035517315702
(1968)	00017226517	150000001723	173154667240	6450752011752	646372372745	253117524514	540470000000	172264412042
(2016)	747226531731	124232014541	173154667240	6450752011752	646372372745	253117524514	472543003751	035517315702
(2064)	27577561247	1742933644532	012614225200	451454057100	0000172335377	0000172335377	212417417324	37135421742
(2112)	542166530100	700517524514	54052	00000	736220661731	511377449121	17405202573	632252741752
(2160)	175245145405	300000001723	440723175253	63447231515124	062557341720	17405202573	212417417324	451454346003
(2208)	00017244417	150000001723	150000001723	423325021742	457135114760	600000001722	540550000000	173364203012
(2256)	54215301731	47212466223	566217374164	235531766741	175245145470	7563117215470	530473492751	641417314650
(2304)	717520057637	173761156727	22521121752	451454057100	00017215470	540000640460	225217414316	14661721741
(2352)	462446224014	516517524514	54052	00000	3470223461731	540000640460	225217414316	14661721741
(2400)	175245145405	100000001723	416324162015	151317341715	3724441726374	7574476411353	5317344041752	451454062000
(2448)	00017226640	3304412761653	173152350116	431441151741	175245145406	400000001722	440000001722	173360757722
(2496)	57477041731	502273356147	551717416410	222036135073	175245145406	400000001722	440000001722	173360757722
(2544)	331467615604	1740411456311	54207	0000000	000017217324	762355223273	17314400640	467576561740
(2592)	615023477443	514017524514	54207	0000000	172167157073	440272034703	543117357430	2413772331
(2640)	175245145421	600000001723	606164363335	510417307541	435106550117	1736506611414	721075461752	451454422000
(2688)	00017215600	071317613075	173075620337	201157221736	433272727554	1049017524514	542210000000	172167171622
(2736)	62350151730	755245277465	532017365114	173504463053	175245145422	200000001721	561620231467	772417307256

(3984) 165526370172 174161026920 554352141752 452010163000 000017215109 431633071330 173150644734 253554501741
(4032) 533373143526 112717524520 101640000000 1172152647745 661327244731 477161406726 712017414767 571147027276

FILE INPUT DATA RECORDS 78/12/31/24
RECS 1 34 35 INPUT SIZE 5000 PERM ZERO B SHORT UNDEF. #RECS. TOTAL#
FOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0
START TIME 03/04/81 12:40:21 STOP TIME 03/04/81 12:40:31

6
5
4
3
2
1

REQ. AGENT	RAND NO	ACQ. AGENT
-----	-----	-----
GSL	VO265	HKH
SAR	VO339	HKH
DHG		
CMW		JHK
BER		JHK

IMP-J

HOURLY AVERAGED SOLAR WIND PLASMA

DENSITY VELOCITY PROTON TEMPERATURE DATA

73-078A-10D

This data set consists of 2 magnetic tapes.

Tape D-73980 was compressed from 3 originals. The tape is 9 track, 1600 bpi, binary, with 3-files (one for each input tape). The tapes were created on a CDC 6600 computer. The data are in CDC 60-bit floating point values, four words per logical record. Each logical record makes up one time point:
time, proton density, speed and temperature

There were 4, ASCII tapes covering 1989 - 1992. These data have been combined with data covering 1986 - 1988 onto one 9-track, 6250 bpi, ASCII, D tape. The data have been re-formatted to provide consistency through out the ASCII portion of this data set. The logical record length is 46 bytes and the blocksize is 138 bytes. The logical record format is 1x,i9,3(f12.3). The alternate tape is a 3480 cartridge.

The D and C numbers and time span are as follows:

D#	C#	FILE #	TIME SPAN
-----	-----	-----	-----
D-073980	C-026159	1	01/12/79 - 12/31/83
		2	01/01/84 - 12/23/84
		3	01/05/85 - 12/31/85
D-108753	C-032850	1	01/01/86 - 12/30/86
		2	01/03/87 - 12/31/87
		3	01/01/88 - 12/24/88
		4	01/02/89 - 12/31/89
		5	01/02/90 - 12/29/90
		6	01/03/91 - 12/31/91
		7	01/04/92 - 12/29/92
		8	01/02/93 - 12/30/93
		9	01/01/94 - 12/31/94

11/08/96

To: For The Record *act*
From: Computer Services
Subject: Release of D and C Numbers

The following tapes have been stacked onto D108753 as a part of an effort to create one homogeneous data set containing all of the 73-078A-10D data from various media stored at NSSDC. The following tape numbers may be released:

IMP J
Hourly Averaged Solar Wind Plasma
Density Velocity Proton Temperature Data
73-078A-10D

DC-029403
DC-029401
DC-029402
DC-031125

DD-086841
DD-086833
DD-086834
DD-101539

REQ. AGENT	RAND NO	ACQ. AGENT
-----	-----	-----
GSL	VO265	HKH
SAR	VO339	HKH
DHG		
CMW		JHK

IMP-J

HOURLY AVERAGED SOLAR WIND PLASMA

DENSITY VELOCITY PROTON TEMPERATURE DATA

73-078A-10D

This data set consists of 5 magnetic tapes.

Tape D-73980 was compressed from 3 originals. The tape is 9 track, 1600 bpi, binary, with 3-files (one for each input tape). The tapes were created on a CDC 6600 computer. The data are in CDC 60 bit floating point values, four words per logical record.

The other 4 are 9 track, 6250 bpi, ASCII, with 1 file on each tape, created on the VAX/VMS computer. These tapes contains 1-hr averaged data, four words per time point: Time, proton density, speed and temperature. The backup tapes are 3480 cartridges. D and C numbers and time span are as follows:

D#	C#	FILES	TIME SPAN
-----	-----	-----	-----
D-073980	C-026159	F. 1	01/12/79 - 12/31/83
		F. 2	01/01/84 - 12/23/84
		F. 3	01/05/85 - 12/31/85
D-086841	C-029403	1	01/02/89 - 12/31/89
D-086833	C-029401	1	01/02/90 - 12/29/90
D-086834	C-029402	1	01/03/91 - 12/31/91
D-101539	C-031125	1	01/04/92 - 12/29/92

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

10 D

DATE: 14 September 1984
IN REPLY REFER TO: ESS-8:84-1046
MAIL STOP: D438
TELEPHONE: 505/667-5389

Dr. J. Vette
National Space Science
Data Center
Code 601.4
Goddard Space Flight Center
Greenbelt, MD 20771

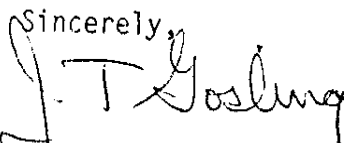
Dear Dr. Vette:

Enclosed are the following items which we are submitting for archival storage in the National Space Science Data Center:

- Tape - 1-hour averages of Imp 8 solar wind plasma data (density, velocity, proton temperature) from 1/12/79 through 12/31/83.
- Tape - 1-hour averages of ISEE-1 solar wind plasma data (density, velocity, proton temperature) from 10/30/77 through 12/31/79.
- Slides - 12-hour color spectrograms of ISEE-3 electron data from 10/17/82 through 10/24/82 and from 12/19/82 through 4/20/83. This covers the interval of ISEE-3's 1st short and 1st long pass into the distant geomagnetic tail.
- Listing - Print out of data contained on the Imp tape.
- Microfiche - Plots and listings of data contained on the ISEE-1 solar wind tape.

Attached to this letter are instructions for reading each of these tapes and a description of the format for the ISEE-3 color spectrograms.

Dr. S. J. Bame is the Principal Investigator for each of these experiments. Please call Dr. J. T. Gosling (505/667-5389) if you have any questions concerning these data.

Sincerely,

J. T. Gosling

JTG/st

Enc. a/s

Cy: S.J. Bame
CRM-4 (2)

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

10D
DATE: 2 September 1988
IN REPLY REFER TO: ESS-8-88:4-742
MAIL STOP: D438
TELEPHONE: (505)667-5389

Dr. J. H. King
NSSDC
Code 633
Goddard Space Flight Center
Greenbelt, MD 20771

Dear Joe:

Under separate cover I am mailing to you at the NSSDC two tapes containing 1-hour average values of the solar wind proton density, speed, and temperature from the Los Alamos experiments on Imp 6, 7, and 8. The first of these covers the interval from 3/18/71 through 4/4/86, and the second covers the interval from 4/9/86 through 11/4/87. Also 73-078A-10D enclosed with the tapes are listings of programs to read the tapes as well as listings of the data values. Please note that the required read programs are different for the 2 tapes and correspond to the change over from our NOS CDC Cyber machine to our VAX/VMS Digital machine.

Please call me or contact me via SPAN if you have any questions concerning these submissions.

Sincerely,

Jack

J. T. Gosling

JTG:mm

Cy: CRM-4(2)/A150

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

10D
DATE: 9 October 1990
IN REPLY REFER TO: SST-8:90-04-1188
MAIL STOP: D438
TELEPHONE: (505) 667-5389

Dr. J. H. King
Code 633
NSSDC
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

DEC 4 1990
D-268-11
C-29402
DEC-417

Dear Joe:

Under separate cover I am sending you two magnetic tapes containing our IMP 8 solar wind data for 1989. One of these, tape 89EPH, contains the high time resolution data, and the other, tape NSSDC, contains one hour averages. Parameters on these tapes are as in previous submissions; information concerning the formats is enclosed with this letter and with each tape. Please contact me (Ph.: 505-667-5389; SPAN: ESSDP1::073500) if you have any questions concerning this submission.

Sincerely,



J. T. Gosling

JTG/st

Enc. a/s

Cy: CRM-4



Space Science & Technology Division
SST-7, Space & Atmospheric Sciences, MS D466
Los Alamos, New Mexico 87545
(505) 667-5389
FAX: (505) 665-7395

Date: August 4, 1993

Refer to: SST-7:93-528

Dr. Sumant Krishnaswamy
NSSDC
Code 933
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Sumant:

Under separate cover I am sending you two magnetic tapes containing our IMP 8 solar wind data for 1992. One of these contains 1-hr averaged data of proton density, speed, and temperature, while the other contains the high time resolution data. Parameters on these tapes are as in previous submissions; information concerning the parameters and the tape formats is enclosed with this letter and with the tapes. Please contact me (505-667-5389 or jgosling@lanl.gov) if you have any questions concerning this submission. I would also appreciate word when you have received the tapes and read them successfully.

Sincerely,



J.T. Gosling

JTG:mm

Cy: CRM-4/A150

NSSDC

DATA CONTAINED IS FROM IMP-8 PROTONS-1 HOUR AVERAGES
THERE ARE 4 WORDS PER TIME POINT
TIME, PDENS., VELOCITY AND TEMPERATURE

DEFINITION:

- 1. TIME: YYMMDDHH
- 2. PDEN: DENSITY PROTON NUMERICAL (CM-3)
- 3. VEL: FLOW SPEED PROTRON NUMERICAL (km/sec)
- 4. TEMP: TEMPERATURE PROTON NUMERICAL

FORMAT STATEMENT:

```

REAL*16 Y(4,125)
NY = 125
READ(4,30) ((Y(L,N),L=1,4),N=1,NY)
30 FORMAT(3(3X,F9.0,2F7.1,F9.0))

```

SAMPLE:

TIME	PDEN	VEL	TEMP	TIME	PDEN	VEL	TEMP	TIME	
PDEN	VEL	TEMP							
90033101.	8.0	597.8	85745.	90033114.	3.5	542.6	92481.	90033115.	2.
2 515.7	44912.								
90033116.	2.2	517.0	41667.	90033117.	2.2	517.1	68017.	90033118.	2.
2 503.6	68830.								
90033119.	2.6	498.8	97555.	90033120.	2.1	489.5	95623.	90033121.	2.
6 475.6	55067.								
90033122.	2.4	467.7	52515.	90033123.	2.9	464.0	61650.	90033124.	2.
9 463.1	69254.								
90040101.	2.8	467.3	88128.	90040102.	2.7	468.0	88966.	90040110.	2.
9 439.0	38007.								
90122912.	9.2	342.1	62830.	90122913.	9.7	342.1	50720.	90122914.	9.
4 336.5	50578.								
90122915.	9.0	333.2	46006.	90122916.	9.0	333.8	51253.	90122917.	8.
9 335.7	52181.								
90122918.	8.9	342.0	51119.	90123002.	14.9	350.1	42255.		

TIMES PICKED OFF ARE FROM 90033101. TO 90123002.
STARTING AT 90033100. AND ENDING WITH 90123024.

```

C
PROGRAM RDSW1(TAPE2,TAPE4)
  THIS PROGRAM READS SWEETR1 OUTPUT TAPE2 AND PRINTS DATA ONTO TAPE4
  DIMENSION Y(4,125)
  IEOF=0
10 CONTINUE
  BUFFER IN (2,1) (Y(1,1),Y(4,125))
  IF (UNIT(2)20,50,40)
20 CONTINUE
  IEOF=0
  NY=125
  WRITE(4,30)((Y(L,N),(Y(L,N),L=1,4),N=1,NY)
30 FORMAT(3(3X,F9.0,2F7.1,F9.0))
  DO 35 I=1,4
  DO 35 L=1,125
  Y(I,L)=0.0
35 CONTINUE
  GO TO 10
40 PRINT 900
900 FORMAT(* READ TAPE2 PARITY ERROR*)
  GO TO 10
50 IEOF=IEOF+1
  IF(IEOF.LT.2)GO TO 10
  END

```

IMP8AV

This is a 7 track, 800 bpi tape record length is 500 words. Last record on tape is variable length - less than 500 words.

Data contained is from IMP-8 protons-1 hour averages
 There are 4 words per time point
 Time - Pdens., velocity and temperature
 Dates of data: 1/12/79 - 12/31/83

Imp 8 - Solar Wind.
 Same experiment

PROGRAM RDSW1A

C*****

C THIS PROGRAM READS SWEETR1 OUTPUT TAPE AND PRINTS DATA
C TO A FILE (IN=FOR002, OUT=FOR004)

C LAST MODIFIED: 8/29/88 SYSTEM: VAX/VMS VER 4.8
C LOS ALAMOS NATIONAL LABORATORY AUTHOR: CINDY BACA

C*****

REAL*16 Y(4,125)
LOGICAL*1 EOT

EOT=0

10 CONTINUE

NY=125

READ(2,30,END=50,ERR=40) ((Y(L,N),L=1,4),N=1,NY)

WRITE(4,30) ((Y(L,N),L=1,4),N=1,NY)

30 FORMAT(3(3X,F9.0,2F7.1,F9.0))

NY = 0

DO J=1,125

DO K=1,4

Y(K,J)=0.0 *Date, h*

END DO

END DO

GOTO 10

40 PRINT*, '** ERROR DURING READ **'

GOTO 10

50 EOT=EOT+1

IF (EOT.LT.2) GOTO 10

END

C

C

C NSSDC

C

C DATA CONTAINED IS FROM IMP-8 PROTONS-1 HOUR AVERAGES

C THERE ARE 4 WORDS PER TIME POINT

C TIME, PDENS., VELOCITY AND TEMPERATURE

Date, h

Density

Velocity

Temperature

ASCII LIST OF D-108753

Read by USSDC

Imp J
73-078A-10D
D-108753
NEW FORMAT

FILE 1 RECORD 1 138 BYTES
YYMMDDHR
86010107 5.128 697.600 223700.000 YYMMDDHH
00.000 86010108 4.732 712.200 210200.000 86010109 5.501 703.900 1928

FILE 1 RECORD 2 138 BYTES
86010110 5.917 668.100 195200.000 86010111 6.182 649.500 170700.000 86010112 6.487 637.800 1970
00.000

FILE 1 RECORD 3 138 BYTES
86010113 6.123 636.600 186800.000 86010114 6.780 652.800 232300.000 86010115 6.660 654.400 2547
00.000

FILE 1 RECORD 4 138 BYTES
86010116 5.598 649.100 255600.000 86010117 6.535 698.000 290900.000 86010118 5.831 718.500 2786
00.000

FILE 1 RECORD 5 138 BYTES
86010119 5.698 707.600 246300.000 86010120 5.266 725.100 283300.000 86010121 5.317 711.000 2819
00.000

FILE 2 RECORD 1 138 BYTES
87010315 10.200 413.100 54952.000 87010316 8.300 419.700 55655.000 87010317 8.100 412.300 566
35.000

Format: 60 Bit OR Floating point. 4 words/Logical record. File 1: 1/13/79-12/31/84 File 2: 1/5/85-12/31/85 File 3: 1/5/85-12/31/85

INPUT TAPE DIN ON TBI
DATA INPUT C9 NF=3 FL=3=1

FILE	RECORD	LENGTH	5000BYTES	527417305266	361275633564	174052203134	606476341752	455316614000
0	175245531661	300000001723	623224316246	527417305266	361275633564	174052203134	606476341752	455316614000
48	000172336152	632621222523	1730544665702	5166740451737	606303374217	575417524553	166150000000	172355321447
96	240163501730	565037323104	601647406012	676700766704	175245531661	600000001723	614745107744	645117305725
144	416112134610	174064434356	557540071752	455316617000	000047236146	001503522426	173057572340	531712301740
192	571560346342	446317524553	166200000000	172357435304	032667611730	571005600113	517117406025	413363463201
240	175245531662	1000000001723	567573477654	423517305666	405254553366	174057061763	377007611752	455316622000
288	000017235701	377366775431	173057762670	554763701746	572657345165	701117524553	166240000000	172357653233
336	717247461730	567210552741	056517405707	633065614465	175245531662	500000001723	637521713005	752217305755
384	005821150621	174056675014	464563711752	453166207111	0000472361727	535331366300	173057656235	234127541740
432	57175346442	744017524553	166270000000	172357435304	226015221730	576154736537	332617405727	541012651746
480	175245531663	000000001723	662476464534	5104177306317	433472674025	1740434312146	411166761752	455316745000
528	000172335712	311576070235	173056277330	646113711740	445014763267	172517524553	167460000000	172353420053
576	304034241730	647307501063	144317404152	462575456535	175245531674	7000000001723	504543644721	424517306450
624	367543505105	174045214372	643455331752	455316750000	0000172334720	505771527077	173064643234	660125201737
672	761572735630	727017524553	167510000000	172275431352	367210621730	652552277414	544117377473	523527644332
720	175245531665	2000000001722	730530554747	771117306526	224422453454	173765377247	273743231752	455316753000
768	00017227421	047555363261	17306545337	240540361737	615173513020	165353351662	173064322036	023057661737
816	730272201730	660303413155	260017375352	310300361130	175245531675	500000001723	405752305020	611217306600
864	330163225374	173747621470	312114121752	455316756000	0000172334540	165353351662	173064322036	023057661737
912	547233607473	121417524553	174260000000	1722262556243	615173513020	165353351662	173064322036	023057661737
960	175245531742	7000000001722	675950275240	445202761741	473743134660	047317524553	174310000000	172266052272
1008	000172264662	1771502043541	173067636527	6301674351633	175245531772	200000001722	564155207067	632017307024
1056	754744271730	676473422445	245317411752	455317433000	600017224773	166060202447	173067025824	025765021740
1104	56665423326	174142226545	477634411212	455317433000	731595621730	673313154475	302517407523	756021475533
1152	750575115026	243117524553	174340000000	1722251150154	731595621730	673313154475	164333241752	455317436000
1200	175245531743	5000000001722	450465243151	430617306710	474606311246	174064776551	174370000000	145517306565
1248	000172224112	206255207465	173066267220	3364775041746	5433250336761	046717524553	174370000000	145517306565
1296	567210321730	657311103357	126017404273	035410061466	175245531744	000000001722	403662322722	145517306565
1344	675310575612	0174042612433	073265121752	455317441000	0000172170623	440456507016	173065647355	20464441737
1392	765510226425	131517524553	174450000000	1722440336344	7722207101730	630354341274	4044241737336	320200535741
1440	175245531744	6000000001722	7770101320537	0262673068221	0066563312731	173745101047	132733071752	172240606427
1488	00017224163	337706737215	173063410767	662165261736	5066563312731	463317524553	175660000000	172240606427
1536	4103156440343	633232307230	377417365164	602312703525	175245531757	600000001722	750475730162	265317306344
1584	564654540343	174066724372	520233333152	455317571000	000017226440	211212676635	1730624733426	376433571740
1632	656573037154	044217524553	176000000000	172275370774	576742056770	174065043515	253736441752	455317602000
1680	175245531760	1000000001723	401465712025	144017306264	514113441730	635065677626	364417407322	21242702430
1728	000017234210	746114070345	173062156436	121114661740	6143370140612	547617524553	176030000000	172345536111
1776	575E05231730	626426673030	323217406026	301166583561	175245531760	400000001723	454655516271	432717306246
1824	651457543234	1740457353365	3643301761752	455317605000	0000172334726	2300007271154	1730635050700	360217404564
1872	543147470013	367517524553	176060000000	172345414024	077551531730	6206440716205	360217404564	362240476742
1920	175245531761	0000000001723	546243125000	546517306532	1752622543217	173767427200	621001061752	455317611006
1968	000172335202	260411021245	173062402604	512132731746	472467123325	166517524553	176120000000	172344422720
2016	765552341730	611152461260	733217406132	200630367325	175245531761	3000000001723	433077422211	717517306062
2064	226641517216	174061263723	601115471752	455317614000	0000172335321	664577640200	173061562642	104617021740
2112	710116567401	352617524553	177310000000	472351673422	662244201730	613377301171	754417407070	3650641733300
2160	175245531773	2000000001723	5274600753474	422117306014	4343233747271	1740703343653	053503161752	455317330000
2208	0000172335227	370567171332	173061172764	713142121740	656675124273	634417524553	177420000000	172361017364
2256	153216271730	611745106264	743017405737	737653231650	175245531774	300000001723	632013133376	05370706110
2304	107402660152	174050132572	616514041752	455317744600	0000172336575	7206300575471	173060400024	165057701740
2352	554364117706	152217524553	177450000000	172364733370	647464131730	610204016771	743017404206	627762156135
2400	175245531774	6000000001723	675356614655	115017306003	110226247473	174051467157	223444631752	455317750000
2448	000172336414	024576120016	173055607173	776343361137	724530675556	141517524553	177510000000	1720317505215
2496	744600731730	572155062350	755417404343	502711565654	175245531775	2000000001724	405746205563	520017305732
2544	354425645556	174046735222	562307071752	455317753000	000017237106	230233443610	173056337576	720160461740
2592	424052215736	240031752453	177534000000	172375500002	512340224664	557573700020	257517404274	572200170407
2640	175245531775	6000000001724	412157571124	715317305610	022344024664	173764600474	241737811752	455317757000
2688	00017236523	107534204573	173060646250	771270721737	724766045126	741117524553	177600000000	172376021276
2736	533747461730	613337164705	544617405013	654670201042	1752455332007	5000000001723	747654062673	527117306367

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	PERM	READ ERROR	SUMMARY	INPUT RETRIES
						ZERO	UNDEF.	TOTAL
						B		#
						SHORT		RECS.
								#
816)	072423531730	727334220620	724517404525	362757617043	175247505566	3000000	722	563156144500
864)	61535661775	173754366303	011212255					466017307043
FILE	RECORD	LENGTH	5008BYTES					
(0)	175250036217	700000001723	707272624567	706217307515	260563470205	174067172673	175767671752	500362200000
(48)	000017237564	757625753572	1730764233300	063605711740	6355673166220	541000001723	622010000000	172374214221
(96)	777663301730	752646614072	3167147406541	3423160007240	175250036220	200000001723	747170665201	135117307443
(144)	362671242016	174140414726	416405401752	500362203000	000017237141	570172601540	13367277145	60555177141
(192)	4274526660126	525217525003	6221100074427	172363043471	376526551730	751314660610	427417416536	731341312601
(240)	175250036221	200000001723	7062110004427	156117307630	563772003426	174170265806	327525401752	500362213000
(288)	00017235722	247461767172	173440330231	353412343074	743770053420	074617525003	622140000000	172354400414
(336)	433660541731	403410617462	460717416270	737224541454	175250036233	200000001723	517763732361	416617314261
(384)	046660157723	174153401031	205137101752	500362345000	000017235347	210517210536	173141444637	113451341741
(432)	615026065231	455517525003	623340000000	1723524460667	370143671440	420714734070	312456331752	500362337000
(480)	175250036233	500000001723	460722074075	174417314106	16445070703440	174162665461	175117415503	500362350000
(528)	000172335101	632563350004	173141177437	420113731741	514016061524	44461625003	623400000000	172273144632
(576)	045242371730	761674502455	210217414264	104236744254	175250036234	400000001723	430033371306	411052023714
(624)	313240146160	174171676241	202601501752	600362345000	00017234167	524002156370	173142510650	766346641741
(672)	703310661105	416717525003	623460000000	172276305621	044570741731	432345372147	415717416375	411052023714
(720)	175250036234	700000001722	655626706100	666017314343	464766061441	174166715476	742176701752	500362350000
(768)	000172254775	603611213762	173142350730	6243552411741	645776672476	700017525003	623510000000	172250023617
(816)	563670171731	420470431411	457017415714	603275750111	175250036236	200000001722	514217766057	647617314335
(864)	454163773557	174155757015	3072741501752	500362353000	000017225177	033427271514	173140362737	571001051741
(912)	501244575176	627017525003	623540000000	172241730603	355645421731	403507364046	145617414007	263242401267
(960)	175250036235	500000001722	417131545237	642517314043	045512675007	174142554241	630652611752	500362356000
(1008)	00017225032	154023146725	173077312713	105561151741	412414233522	076117525003	623570000000	172264017645
(1056)	201107041730	765051645661	071317414174	702303113323	175250036247	500000001722	731776553304	63117307613
(1104)	055370342040	174150005664	454565461752	500362476000	0000172227360	4157400357706	173075667403	320633441741
(1152)	54663316615	132317525003	624770000000	172272350201	663675761730	763752777502	109617414445	717344254236
(1200)	175250036250	500000001723	556565527654	625217307241	743663702441	174140731623	024666101752	500362511000
(1248)	000017235601	345041625300	1730640056647	175721141740	615431254007	06201755003	625120000000	172361161425
(1296)	147217461730	637744036705	324717406321	624021344160	175250036251	300000001723	661500731547	540417306565
(1344)	203041420467	174062144643	431736721752	500362514000	000017237773	163026634714	173066221713	644563601740
(1392)	610370144321	471517525003	623150000000	172377113671	240712621730	652203315540	701417406171	676033273613
(1440)	175250036251	600000001723	742173637406	5163177306337	705270647026	174063624742	551511661752	500362517000
(1488)	000017236733	600370122147	173066177700	510123571740	604700746477	726517525003	625200000000	172374512627
(1536)	174270061730	652664667747	425117405306	371662350963	175250036252	100000001723	735447445051	303317306577
(1584)	746574364241	174046407071	344015601752	500362522000	0000172335302	125371366301	173064151406	774321421740
(1632)	507472571417	170417525003	625230000000	172341010327	363713321730	632460265531	157517405421	044711266661
(1680)	175250036264	600000001724	457144465140	455317307600	100342033220	174244302050	724303601752	500362650000
(1728)	00017245511	574721720054	173140754372	070130161741	175250036265	200000001724	427357356544	207017314010
(1776)	546313161731	400227476714	7472107406101	000222563123	175250036266	476260454251	173143774525	236310651742
(1824)	22876246152	174041424355	653711401752	500362657600	000017236013	476260454251	173143774525	236310651742
(1872)	611703475774	2536117525003	626600000000	1723622664614	3477100473156	174267024736	063434421752	500362663000
(1920)	175250036266	200000001723	562277026425	300017314444	460772770122	707617525003	626650000000	1723552664657
(1968)	000172335567	337737142627	173143420407	277460321742	3175250036266	600000001723	632104571105	725717314340
(2016)	361632471713	437077640337	111217425216	1103473115544	175250036266	600000001723	632104571105	725717314340
(2064)	600566670413	174247427465	354556711752	500362666000	000017236013	476260454251	173143774525	236310651742
(2112)	776566757553	043317525003	630060000000	172352262160	662705341731	433326552014	645317424670	234677370000
(2160)	175250036300	700000001723	6071330341617	731217314437	226000677631	174233663062	406644201752	500363010000
(2208)	00017234652	607114747604	173143236146	716145301152	175250036302	100000001722	411156002117	364017314710
(2256)	066122651731	462000757400	672617414143	500363022000	000017224306	101211303674	173144756447	536072621741
(2304)	206430172366	174143042245	544433441752	500363022000	000017224306	101211303674	173144756447	536072621741
(2352)	446731172472	137117525003	630230000000	172242121537	364404641731	456126676413	051417415263	430077600020
(2400)	175250036302	400000001722	413761754230	703617314577	623674276074	1741352765515	214377661752	500363025000
(2448)	000017224207	107442503347	173146243446	717002121741	5126533740304	7205117525003	630260000000	172243427571
(2496)	33041141731	460627005674	165017415215	744052171126	175250036302	700000001722	407054015460	503217314547
(2544)	171643562157	174146055752	3033233000000	500363030000	000017217610	0747077665460	1731444527014	30375551741
(2592)	442663663100	723617525003	630310000000	172241561112	210566351731	450371467466	541217414644	7542335550656
(2640)	175250036303	300000001722	4125037440005	131373144417	253415653541	174076417507	473631641752	500363034000
(2688)	00017224056	326041061311	173143773404	403313221740	757107631366	340317525003	631520000000	172245614616
(2736)	36470541731	436644914470	272017414112	032049213354	175250036315	400000001722	454517023232	035617314544

File 2: 1/1/84 - 12/23/84

INPT	DATA RECORDS	MAX. SIZE	READ ERROR SUMMARY	INPUT RETRIES
RECS.	INPUT	3750	PERM ZERO B SHCRT UNDEF. #RECS.	TOTAL#
1296)	517310121730	564700661207	353031163850	172504555225
1344)	060301146020	173670777764	567340801752	504555255000
1392)	451435633776	4003175250345	525600000000	172444010351
1440)	175250455525	700000001724	524416554127	4250173305620
1488)	0CC17244153	5160771102107	173057017007	051017111735
1536)	023467461730	5652521435074	573217355544	444327433144
1584)	615256617364	1736620155007	675440501752	504555263000
1632)	623140453716	671017525045	554150000000	172340313643
1680)	175250455541	60000001723	425066355101	6263173305210
1728)	000617236211	121343005740	173055166342	311073231737
1776)	407626701730	615377657577	215517405716	071075367763
1824)	363113376556	174071366164	404231301752	504555424000
1872)	753039115307	226017525045	554253000050	172451364125
1920)	175250455542	600000001724	5472630041057	1710173306704
1968)	0CC172445463	325234436472	173066331626	073422241737
2016)	75715641730	660666025416	714017366350	30122216544C
2064)	062353734732	1736646022217	1350004771752	5045557330000
2112)	5CC17677540	253617525045	5573100000000	172353337543
2160)	175250455611	000000001722	6077017330234	6651173305677
2208)	0CC17226040	645413471330	173056731131	714324431737
2256)	06C174C21730	562625014641	305717374276	1770C04620760
2304)	707755046200	173747630077	3666633151752	504556114000
2352)	534521433367	014017525045	5623100000000	172363535444
2400)	17525045623	200000001723	755470001224	542317305451
2448)	0CC17234013	443761347610	1730630232361	205354161740
2496)	627745511730	611635074630	710017404163	314472321205
2544)	433667727215	174041505045	023027611752	504556376000
2592)	63C640735473	5470177525045	563770000000	17235175722C
2640)	175250455640	000000001723	570329370413	1775173306216
2688)	000617244010	432033516013	173052314134	714716371741
2736)	326131617330	546751353323	656117405074	734462344022
2784)	317323274364	173766247440	21602501752	5C45865440C
2832)	41136622661	076117525045	563460000000	172477712246
2880)	1752504555654	700000001725	454415311166	3366173305450
2928)	0CC17217600	436767740374	173042606732	045364671741
2976)	222130441731	442275511651	012017406104	655442544432
3024)	056342521440	174064216324	6340374041752	504557702000
3072)	5C6763453101	1345117525045	677030000000	1723556202016
3120)	175250455770	400000001723	611250473136	360017314655
3168)	000017235356	630567250572	173145103240	732204021742
3216)	646016001731	451573051244	314017425154	602403050026
3264)	570112140657	174246112625	312712551752	504560042000
3312)	71C373502665	375117525045	600433000000	172251263240
3360)	175250456004	400000001722	514375464631	106217315146
3408)	0CC172224525	117751641755	173147704271	101543444741
3456)	447226201731	473273426010	173717415725	175250456004
3504)	1404646665074	174170117534	736602421752	504560051000
3552)	422010122411	406661058045	600520000000	045017315021
3600)	175250456005	300000001722	562446343624	1752222443725
3648)	0CC17225254	716045335222	1731474333270	064227311741
3696)	005033201731	477321345367	547317416067	774102005254
3744)	674166566332	174164355202	704333241	175250456005

572318

FILE INPT DATA RECORDS MAX. SIZE PERM ZERO B SHCRT UNDEF. #RECS. TOTAL#

3 3 21 3750 0 0 0 0 0 0 0 0

DUMP STOPPED AFTER FILE 3 # OF PERMANENT READ ERRORS 0

START TIME 05/20/87 12:47:26 STOP TIME 05/20/87 12:48:12

REQ. AGENT

GWM

ACQ. AGENT

RP

IMP-J

HIGH RESOLUTION PLASMA DATA, PROMISE PERIOD

73-078A-10E

This data set consists of 1 tape. The tape is 6250 bpi, ASCII, 9 track, labeled, with 75 files. Each file of data contains a header and a trailer. The tape was created on a DEC computer, and is self-documented. The D and C number and time span follows:

D#	C#	LABEL	TIME SPAN
-----	-----	-----	-----
D-074121	C-026584	PROMIS	03/15/86 - 06/17/86

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: 26 September 1986
IN REPLY REFER TO: ESS-8:86-976
MAIL STOP: D438
TELEPHONE: (505) 667-4727

Dr. R. Parthasarathy
NSSDC
Code 633
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Dear Sardi:

Enclosed is a tape containing the high time resolution solar wind plasma data from the Los Alamos solar wind analyzer on IMP 8. These data cover the PROMIS interval.

Sincerely,



Edward W. Hones, Jr.

EWH/st

Enc. a/s

Cy: CRM-4 (2)

73-078A-10E
"High Resolution Plasma, PROMIS period"

Directory \$255\$MUA3:[]

PROMIS.DOC;5 -	1	19-SEP-1986	00:00
86074N.DAT;2	29	22-SEP-1986	00:00
86077N.DAT;2 -	16	22-SEP-1986	00:00
86081N.DAT;2	4	22-SEP-1986	00:00
86086N.DAT;2	29	22-SEP-1986	00:00
86089N.DAT;2	25	22-SEP-1986	00:00
86093N.DAT;2	5	22-SEP-1986	00:00
86097N.DAT;2	27	22-SEP-1986	00:00
86102N.DAT;2	33	22-SEP-1986	00:00
86106N.DAT;2	6	22-SEP-1986	00:00
86111N.DAT;2	37	22-SEP-1986	00:00
86115N.DAT;2	36	22-SEP-1986	00:00
86119N.DAT;2	4	22-SEP-1986	00:00
86124N.DAT;2	26	22-SEP-1986	00:00
86128N.DAT;2	40	22-SEP-1986	00:00
86130N.DAT;2	3	22-SEP-1986	00:00
86135N.DAT;2	3	22-SEP-1986	00:00
86136N.DAT;2	30	22-SEP-1986	00:00
86140N.DAT;4	45	23-SEP-1986	00:00
86144N.DAT;2	8	22-SEP-1986	00:00
86148N.DAT;2	45	22-SEP-1986	00:00
86152N.DAT;2	31	22-SEP-1986	00:00
86156N.DAT;2	15	22-SEP-1986	00:00
86160N.DAT;2	32	22-SEP-1986	00:00
86164N.DAT;2	36	22-SEP-1986	00:00

Total of 25 files, 566 blocks.

Documentation for IMP-8 PROMIS data files submitted to NSSDC

FILE ORGANIZATION: Sequential

RECORD FORMAT: Variable length, maximum 88 bytes

RECORD ATTRIBUTES: Carriage return, carriage control

DEFINITION: 6 elements of IMP-8 location and proton data

ELEMENTS:

- | | | | |
|---|-------------|--------|---------|
| 1 | DATE | | |
| 2 | SECONDS | | |
| 3 | RADIUS | | Re |
| 4 | SELAT | | DEGREES |
| 5 | SELONG | | DEGREES |
| 6 | DENSITY | PLASMA | CM-3 |
| 7 | VELOCITY | " | KM/SEC |
| 8 | FLOW ANGLE | " | DEGREES |
| 9 | TEMPERATURE | " | K |

FORMAT:

2000 FORMAT (1X,I6,1X,4F9.3,4(1X,E10.3))

SAMPLE:

860318	80914.000	37.251	16.433	16.620	.639e+01	.482e+03	.127e+01	.145e+06
860318	81454.000	37.261	16.376	16.772	.776e+01	.481e+03	.368e+01	.126e+06
860318	81991.000	37.270	16.318	16.923	.766e+01	.479e+03	.234e+01	.118e+06
860318	82299.000	37.276	16.286	17.010	.823e+01	.477e+03	.251e+01	.113e+06
860318	82841.000	37.286	16.227	17.162	.786e+01	.478e+03	.123e+01	.944e+05
860318	83450.000	37.297	16.162	17.333	.820e+01	.478e+03	.144e+01	.110e+06
860318	83755.000	37.303	16.130	17.418	.884e+01	.480e+03	.124e+01	.104e+06
860318	83980.000	37.307	16.105	17.481	.924e+01	.482e+03	.102e+01	.102e+06

SWEETRI
1 Hr. Aves.

Den. Vel. Temp
protons
1/12/79 - 12/31/8
IMP-8

provided to NSSDC

10 E

TIME	PDEN	VEL	TEMP	TIME	PDEN	VEL	TEMP	TIME	PDEN	VEL	TEMP
79011211.	12.6	342.8	86541.	79011212.	12.4	358.8	49841.	79011213.	11.4	373.1	98652.
79011214.	12.4	378.7	107634.	79011215.	12.4	381.9	96696.	79011216.	11.9	377.0	98993.
79011217.	11.7	374.1	96456.	79011218.	11.8	383.8	96984.	79011220.	12.0	375.3	96506.
79011221.	13.0	381.6	95988.	79011222.	13.8	382.7	98079.	79011223.	13.7	382.2	97014.
79011224.	13.6	409.9	72745.	79011301.	11.8	419.0	75014.	79011302.	10.9	423.4	68947.
79011303.	10.1	421.1	76338.	79011304.	9.8	422.6	63711.	79011305.	7.7	426.7	62395.
79011306.	7.4	426.8	54783.	79011307.	7.5	413.6	50847.	79011308.	6.6	432.4	44710.
79011309.	8.2	432.1	40739.	79011310.	9.4	419.3	45991.	79011606.	6.3	476.1	165277.
79011607.	7.0	484.1	168710.	79011608.	6.6	446.5	161763.	79011609.	6.8	446.6	140275.
79011610.	5.8	450.6	140713.	79011611.	5.0	440.3	125119.	79011612.	5.2	443.4	125567.
79011613.	4.6	441.1	108539.	79011614.	4.1	434.9	90984.	79011615.	4.4	431.4	71522.
79011616.	4.1	430.7	71210.	79011617.	3.5	430.6	64210.	79011702.	4.1	409.5	60903.
79011622.	7.9	402.1	38018.	79011701.	4.2	412.1	20867.	79011712.	7.7	413.1	121417.
79011710.	7.6	412.6	112466.	79011711.	6.5	404.9	110270.	79011715.	4.1	411.3	21414.
79011713.	8.1	406.6	108687.	79011714.	8.5	401.7	101500.	79011718.	9.4	406.5	99020.
79011716.	9.4	404.9	97230.	79011717.	9.8	408.6	90932.	79011722.	9.1	393.2	77455.
79011720.	11.2	427.4	56879.	79011721.	10.5	404.0	80540.	79011722.	10.5	395.5	116495.
79011723.	8.8	393.0	115599.	79011803.	10.6	393.9	110303.	79011810.	12.3	393.9	97278.
79011802.	10.7	385.6	82283.	79011812.	13.5	388.0	93306.	79011813.	13.2	392.3	69849.
79011811.	12.8	393.0	85213.	79011816.	13.0	374.1	59990.	79011817.	14.4	378.2	72820.
79011814.	13.9	384.4	85213.	79011819.	15.8	373.5	70677.	79011820.	15.4	367.7	71576.
79011818.	16.4	379.3	73733.	79011823.	13.3	390.6	60030.	79011824.	15.5	395.3	82299.
79011822.	16.6	369.0	54017.	79011902.	11.9	421.1	93676.	79011903.	13.4	410.1	103779.
79011901.	15.2	414.9	79583.	79011905.	13.8	422.7	100764.	79012720.	4.0	493.3	124192.
79011904.	10.9	418.2	75422.	79012722.	4.4	485.7	113946.	79012723.	4.4	509.6	18254.
79012721.	4.1	516.5	127876.	79012805.	6.5	514.0	161318.	79012806.	6.5	517.9	158556.
79012724.	5.0	528.4	114350.	79012811.	5.1	494.5	158591.	79012815.	5.4	464.1	120226.
79012807.	5.8	476.1	112170.	79012814.	4.9	465.6	103840.	79012818.	4.5	452.1	98877.
79012813.	5.3	471.6	121282.	79012817.	4.9	469.8	87332.	79012818.	4.9	468.4	91606.
79012816.	4.9	450.4	85325.	79012820.	5.6	472.1	121952.	79012909.	5.1	454.1	127700.
79012819.	5.1	479.1	107792.	79012908.	4.9	454.8	141687.	79012915.	4.4	485.9	130506.
79012907.	4.6	465.7	147985.	79012909.	4.3	489.7	135056.	79012915.	3.2	461.2	97666.
79012910.	4.2	483.6	127989.	79012911.	3.8	473.9	113537.	79012921.	3.8	464.2	111508.
79012913.	4.3	470.3	120591.	79012914.	3.4	461.2	91894.	79012924.	4.1	474.5	99223.
79012916.	3.6	465.8	101204.	79012917.	3.6	463.2	109466.	79013003.	4.1	459.4	84609.
79012919.	2.9	441.8	83376.	79012920.	3.7	471.3	93461.	79013011.	6.6	496.6	192614.
79012922.	3.5	476.3	93899.	79012923.	4.1	464.9	92011.	79013015.	6.2	499.4	138156.
79013001.	3.9	470.0	96291.	79013002.	7.9	491.1	250089.	79013018.	5.3	458.7	96391.
79013009.	9.1	512.4	201096.	79013010.	5.5	447.8	173450.	79013023.	7.1	481.4	115459.
79013012.	6.4	535.4	198243.	79013013.	5.0	465.3	92499.	79013102.	7.3	467.5	117226.
79013016.	5.1	468.9	113422.	79013017.	5.2	455.3	100179.	79013109.	8.6	461.4	121916.
79013019.	5.2	460.0	87205.	79013020.	6.8	485.8	114133.	79013112.	9.6	464.6	138711.
79013021.	6.2	476.7	115180.	79013022.	7.6	469.3	115106.	79020514.	7.8	358.6	191045.
79013024.	7.6	480.9	121684.	79013101.	7.3	470.6	113035.	79020522.	8.2	344.7	165043.
79013103.	7.4	461.9	117206.	79013104.	8.6	463.2	125766.	79020606.	11.8	392.5	50851.
79013110.	9.1	461.4	143279.	79013111.	5.8	350.5	150602.	79020711.	11.0	349.5	56733.
79020512.	5.1	348.5	212620.	79020513.	6.6	359.9	150602.	79020715.	8.1	365.0	115337.
79020515.	5.9	350.2	184159.	79020516.	13.0	427.6	39959.	79020718.	8.5	377.5	111628.
79020604.	10.8	416.3	40172.	79020605.	11.7	349.0	50598.	79020803.	7.2	369.1	79805.
79020607.	11.5	387.5	51978.	79020710.	8.7	372.0	125328.	79020806.	7.8	355.3	77770.
79020712.	8.9	361.7	82952.	79020713.	8.4	383.9	113126.	79020810.	7.8	360.0	61789.
79020716.	8.0	366.5	124777.	79020717.	8.1	356.2	92869.	79020813.	5.9	332.2	48531.
79020721.	8.1	362.7	94984.	79020802.	8.1	356.2	92869.	79020817.	6.4	332.4	40966.
79020804.	7.3	379.5	74297.	79020805.	7.6	364.1	74791.	79021017.	5.9	341.3	52638.
79020808.	7.9	381.7	60658.	79020809.	8.0	377.7	60631.	79021022.	21.1	372.6	100655.
79020811.	7.8	347.8	64742.	79020812.	7.6	341.2	63589.				
79020814.	6.3	314.5	45047.	79020818.	8.7	361.0	66037.				
79021018.	6.4	328.9	40253.	79021022.	5.9	350.2	50345.				
79021024.	5.6	334.9	54565.	79021101.	5.9	353.5	56812.				

\$NOP ***** JJ0064-0 *****
\$EXE TPLIST BS

INPLT PARAMETERS ARE: AS AL 3 1 1

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 8 1

TAPE NO. 1 FILE NO. 1
RECORD 2 LENGTH 8 1

TAPE NO. 1 FILE NO. 1
RECORD 3 LENGTH 8 1

TAPE NO. 1 FILE NO. 1
RECORD 4 LENGTH 8 1

TAPE NO. 1 FILE NO. 1
RECORD 5 LENGTH 8 1

TAPE NO. 1 FILE NO. 2
RECORD 1 LENGTH 2748

TAPE NO. 1 FILE NO. 3
RECORD 1 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 2 LENGTH 81

TAPE NO. 1 FILE NO. 3
RECORD 3 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 4 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 5 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 6 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 7 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 8 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 9 LENGTH 80

TAPE NO. 1 FILE NO. 3
RECORD 10 LENGTH 80

D-74121
315/86-6117/86

TAPE NO.	RECORD	FILE NO.	LENGTH	ORGANIZATION	DESCRIPTION
1	1	1	8	00333	FILE ORGANIZATION: Sed
1	2	1	8	00333	FILE ORGANIZATION: Sed
1	3	1	8	00333	FILE ORGANIZATION: Sed
1	4	1	8	00333	FILE ORGANIZATION: Sed
1	5	1	8	00333	FILE ORGANIZATION: Sed
1	1	2	2748	00440	64 Documentation for IMP-8 PROMIS data files submitted to NSSDC00005 00333
1	1	3	80	00333	FILE ORGANIZATION: Sed
1	2	3	81	00333	FILE ORGANIZATION: Sed
1	3	3	80	00333	FILE ORGANIZATION: Sed
1	4	3	80	00333	FILE ORGANIZATION: Sed
1	5	3	80	00333	FILE ORGANIZATION: Sed
1	6	3	80	00333	FILE ORGANIZATION: Sed
1	7	3	80	00333	FILE ORGANIZATION: Sed
1	8	3	80	00333	FILE ORGANIZATION: Sed
1	9	3	80	00333	FILE ORGANIZATION: Sed
1	10	3	80	00333	FILE ORGANIZATION: Sed

\$NOP
 NC PROCEDURE
 \$NOP ***** LIST OF JO0064-C *****
 \$EXE TPLIST BS

INPUT PARAMETERS ARE: AS SR=1=1 1 1 5

TAPE NO.	1	FILE NO.	5
RECORD	1	LENGTH	2 48
0092	860315	23097.000	30.949
0215	23248.000	30.950	9.920
475.000	30.951	5.961	-101.885
53	30.952	9.988	-101.826
01647	164.02	140.02	174.02
167e+02	371e+03	-701e+00	875e+050092
374e+03	500e+05	882e+050092	860315
01	787e+050092	860315	25228.000
5092	860315	25550.000	30.963
60315	25701.000	30.964	10.360
5927.000	30.965	10.401	-100.924
968	10.469	-100.773	179e+02
0510	-100.684	151e+02	382e+03
140e+02	387e+03	-905e+00	703e+05

***** JOB DONE.
 \$EXE TPLIST BS
 INPUT PARAMETERS ARE: AS SR=35=1 1 1 74

TAPE NO.	1	FILE NO.	74
RECORD	35	LENGTH	2 48
0092	860617	10212.000	38.822
0617	10435.000	38.818	-26.211
821.000	38.805	-26.218	44.121
38.805	-26.219	44.167	140e+02
01	-26.219	44.167	140e+02
44.301	136e+02	343e+03	816e+00
154e+02	346e+03	191e+00	264e+050092
346e+03	200e+00	269e+050092	860617
01	157e+00	220e+050092	860617
277e+050092	860617	13092.000	38.751
5092	860617	13351.000	38.754
60617	13550.000	38.747	-26.243
3702.000	38.741	-26.245	44.592
734	-26.248	45.781	147e+02
6.249	45.127	152e+02	346e+03
45.173	212e+02	355e+03	-135e+00
218e+02	357e+03	126e+01	328e+05

***** JOB DONE.
 \$WEO LPS