



531

ISEE 3

SOLAR WIND DATA

HOURLY S.W. PARAMS BASED ON ELECTRONS

78-079A-01D

78-079A-01K

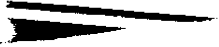


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1. INTRODUCTION:

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ISEE 3

SOLAR WIND DATA, 5-MIN, MAG TAPE

78-079A-01D SPHE-00433

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT
CONTAINED ONE 9-TRACK, 1600 BPI TAPE 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 TAPE WAS CREATED ON AN IBM 3081 COMPUTER. THE
DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND
THE TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004254	DS004254	D047381	1	08/16/78 - 02/19/80

ISEE-3

78-079A-01D

5-Minute Data Based on Ions

This data set consists of 1 magnetic tape. The tape is 1600 bpi, Binary, 9-track and was created on an IBM 3081 computer. This is a cleaned up version of the LASL data. The replacement data was provided by Joe King. The D and C numbers along with the time span of the data are as follows:

DD Number	DC Number	Files	Timespan
-----	-----	-----	-----
DD-047381	DC-022147	1	08/16/78 - 02/19/80

Solar Wind Plasma Parameter from ISEE-3
from Los Alamos Plasma Group

A tape has been sent to NSSDC that contains the most important solar wind parameters of interest to the general science community. A description of the contents of the tape is given in the enclosed table. Details concerning timing and method of calculation of the data are briefly discussed below. A close reading of this document will help the reader understand the range of validity of the data set. ✓

THE TAPE

The tape was written by our VAX 11/780 with a ANSI standard label. The LABEL is NSSDC for the tape supplied to the data center (NSSDC). A similar tape generated at Los Alamos is labeled IC3SW. All tapes consist of one data file (Name = NSSDC.SR) with 14 elements per record. A complete list of tape characteristics is given in the table. ✓

The Solar Wind Data

The solar wind parameter data on this tape were calculated from search mode spectra, which were measured once every ~5.2 minutes. However, the complete measurement required only ~3.5 seconds to complete. Thus, the data records represent snapshots of the solar wind taken approximately 5.2 minutes apart.

Timing

A search mode spectrum is composed of two individual measurements obtained on two successive rotations, each requiring 0.5 seconds to complete. The time tag applied to each parameter set represents the start time of the second measurement. Thus, the average time of measurement is actually 1/2 of one spin period earlier than given. This is approximately 1.5 sec, a timing offset much too small to effect any results from this data set.

Coordinate Systems

The coordinate system used to determine spacecraft location is different from the system used in our solar wind parameter calculations. The ISEE-3 spacecraft coordinates (GSE) listed in the table are: The positive x-axis points radially toward the sun from the earth; the positive y-axis points east of the sun; and the positive z-axis points toward the North Pole. The coordinates used in solar wind calculations are: The positive x-axis points radially away from the sun through the spacecraft; the positive y-axis points west of the sun; and the positive z-axis lies along the spin axis of the spacecraft (North Pole).

Bad Points

While the data have been scanned for bad points, and the majority eliminated, several remain in the final data set. Some caution should be used in forming averages so that the few bad points do not drastically affect the results. ✓

Numerical Calculation of Parameters:

The ion parameters listed in Table 1 were calculated by numerically integrating the Measured distribution function. The helium calculations were made by assuming all counts above a certain energy level, based on the position of the hydrogen peak, were due to helium ions. This assumption is accurate when the hydrogen thermal temperature is small. As the hydrogen temperature increases part of the hydrogen distribution will be counted as helium ions. No correction has been made for this effect in this particular calculation. If the hydrogen temperature rises above a certain temperature, no helium calculations are made, and the corresponding He parameters are set to zero.

The Parameter Listing

A simple continuous listing of several of the parameters on the originally submitted tape is available on microfiche from NSSDC. No header information is given for this listing, which is composed of one line of output for each search mode spectrum. This line contains the following information: Date (YR:M:DAY), Time (UT:SEC) and (Seconds of day), hydrogen density (cm^{-3}), hydrogen bulk velocity (km/sec), hydrogen bulk flow direction (deg), hydrogen parallel and perpendicular temperature (K), (To find the average hydrogen temperature use $T_{AV} = (T_{||} + 2T_{\perp})/3$).

LOS ALAMOS

ISEE-3 SOLAR WIND PARAMETERS

RECORD FORMAT

<u>WORD</u>	<u>NAME</u>	<u>FORMAT</u>	<u>DESCRIPTION</u>
1	YEAR	I*4	Year (78,79,80)
2	CDAY	I*4	CDAY (JAN 1=1)
3	SECONDS	R*4	Seconds of day
4	S/C X-GSE	R*4	S/C X POSN, positive toward sun (Re)
5	S/C Y-GSE	R*4	S/C Y POSN, positive toward east of sun
6	S/C Z-GSE	R*4	S/C Z POSN, positive toward north pole
7	N_H (cm^{-3})	R*4	Hydrogen Density (cm^{-3})
8	V_H (km/s)	R*4	Hydrogen Bulk Flow Velocity (km/sec)
9	Q_{VH} (deg)	R*4	Hydrogen Bulk Flow azimuthal angle (deg)
10	$T_{H_{AV}}$ ($^{\circ}\text{K}$)	R*4	Hydrogen Average Temperature ($^{\circ}\text{K}$)
11	$T_H \parallel$ ($^{\circ}\text{K}$)	R*4	Hydrogen Parallel Temperature ($^{\circ}\text{K}$)
12	$T_H \perp$ ($^{\circ}\text{K}$)	R*4	Hydrogen Perpendicular Temperature ($^{\circ}\text{K}$)
13	N_{HE} (cm^{-3})	R*4	Helium Density (cm^{-3})
14	$T_{HE AV}$ ($^{\circ}\text{K}$)	R*4	Helium Average Temperature ($^{\circ}\text{K}$)

TAPE CHARACTERISTICS:

RECFM=FB
 LRECL=56
 BLKSIZE=5600
 BINARY
 DEN=3 (1600)

78-079A-01K

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: 22 February 1985
IN REPLY REFER TO: ESS-8-85:100-210
MAIL STOP: D438
TELEPHONE: (505) 667-3897

Dr. Joe King
Code 633
Central Data Services Facility/NSSDC
Goddard Space Flight Center
Greenbelt, MD 20771

Dear Joe:

The enclosed tape contains hour averaged plasma electron data from the Los Alamos solar wind experiment on ISEE-3. It covers the time frame from Launch in August 1978 until ISEE-3 entered the earth's magnetotail in October 1982. The electron data have been corrected and normalized to the existing ion data. Thus, the bulk parameters should be considered to be reliable and of high quality. You should be aware that, unfortunately, there remains a few "bad" points on the tape.

When we have written up the algorithm used in the correction procedure, I will send you a copy. Until then, please inform users that the standard errors associated with the bulk parameters are higher for electrons than for ions.

The contents of the tape are as follows:

Fortran Format: (I12, F12.4, 6E12.5)

Record Format:

1) Date	(Yr-Month-Day)
2) Universal time	(HRMIN)
3) GSEX	(Re)
4) GSEY	(Re)
5) GSEZ	(Re) ₃
6) Electron density	(cm ³)
7) Bulk speed	(km/sec)
8) Average temperature	(k)

VAX 11/780 STANDARD LABEL FORMAT: ISEE3
Block Size 2048
1600 BPI

Sincerely,


Ron Zwickl

Enc.a/s

Cy: S. Bame, ESS-8
CRM-4 (2) A150

REQ. AGENT

RAND #

ACQ. AGENT

LSM
DAC

V0129
V0280

HKH
DAC

ISEE 3

SOLAR WIND PLASMA

SPHE-00431

78-079A-01K Hourly averages based on electrons

This data set consists of 1 tape. The tape is 1600 BPI, ASCII, 9-track and was created on a VAX 11/780 computer. The D and C numbers along with the time span are as follows:

D#	C#	FILE	TIME SPAN
D-65241	C-24643	15	08/16/78 - 10/16/82

DUMP OF TAPE DOUT1

INPUT TAPE DOUT1 ON TU1
DATA INPUT HS FL 1 1 1

238

FILE	1	RECORD	1	LENGTH	5600BYTES
(0)	0000004E	0000004E	44DC8E00	42518C49	C1786BB9
(40)	449A9100	4441F500	00000000	00000000	418F147A
(80)	42181439	4313C385	4137F006	4456FD00	421764DD
(120)	440DE066	42519916	C17876C8	418F29C7	4313DBAE
(160)	00000000	00000000	0000004E	000000E4	413A1D14
(200)	413B43FE	4449C400	4442CA00	444D4100	4457F700
(240)	C1788034	418F3C9E	4216FEF9	4313CCF5	C17871DE
(280)	0000004E	000000E4	44DFD319	4251AB85	C17871DE
(320)	4488D900	44424000	00000000	00000000	00000000
(360)	421EF748	4313D0A3	413C6041	445D5200	449AD200
(400)	44E17D00	4251BA9F	C178923A	418F6113	443F9D00
(440)	00000000	00000000	0000004E	000000E4	443F9D00
(480)	4133F7CE	4464FB00	44A02100	44476800	4313D828
(520)	C178A5E3	418F872B	42194B02	43146B85	44CF32CC
(560)	0000004E	000000E4	44E534B3	4251DD70	4251A49B
(600)	449B9E00	4447E600	00000000	00000000	00000000
(640)	42191AE1	43139E66	41212617	445C2700	4459C900
(680)	44E8DD99	4251FEB8	C178CB92	418FD14E	418F4DD2
(720)	00000000	00000000	0000004E	000000E4	418F4DD2
(760)	40CEFF7A	444F7D00	44548A00	444CF700	00000000
(800)	C178DBF4	418FF1A9	421A947A	43134599	00000000
(840)	0000004E	000000E4	44E8A666	42521851	00000000
(880)	445E2600	44402600	00000000	00000000	00000000
(920)	4218C28F	43131451	413BC28F	443C7000	44532000
(960)	44ED9919	42522AC0	C178F0D8	41901965	44453200
(1000)	00000000	00000000	0000004E	000000E4	00000000
(1040)	4138D4FD	444CED00	4480CA00	4432FF00	44532000
(1080)	C1798C7E	419141F2	421D2C8B	43138E8F	00000000
(1120)	0000004E	000000E4	451026E3	4252EA3D	00000000
(1160)	44622700	44367E00	00000000	00000000	00000000
(1200)	421E87AE	4313CB5C	41318240	44522C00	44532000
(1240)	45104E28	4252FFB8	C179A92A	4191786C	44532000
(1280)	00000000	00000000	0000004E	000000E4	44532000
(1320)	41445F06	44595000	449ECC00	44369100	44532000
(1360)	C179B03C	41919E18	421CEC08	4313E35C	44532000
(1400)	0000004E	000000E4	45109CB8	42532D91	44532000
(1440)	44BFBA00	444F7E00	4079C38B	44E1DC00	44532000
(1480)	421AF0E5	431434A3	40EA0AFA	44692100	44532000
(1520)	4510B81B	42533C28	C179DED2	4191D8F4	44532000
(1560)	00000000	00000000	0000004E	000000E4	44532000
(1600)	4113E9E1	44587E00	447D4300	44461B00	44532000
(1640)	C179F694	419206F6	42196560	43142E66	44532000
(1680)	0000004E	000000E4	4510F973	425361CA	44532000
(1720)	44836300	44566F00	00000000	00000000	44532000
(1760)	42172083	43141DEB	4048F51A	44780F00	44532000
(1800)	451120B8	42537748	C17A1412	41923D07	44532000
(1840)	00000000	00000000	0000004E	000000E4	44532000
(1880)	4114EDFA	44EC0300	451328D0	44C88E00	44532000
(1920)	C17A288C	4192624D	41D4C8B4	4314EAE1	44532000
(1960)	0000004E	000000E4	45116F48	42534A00	44532000
(2000)	45199B00	44FD4600	00000000	00000000	44532000
(2040)	41C8F5C2	4314F87A	C110DE69	451258A0	44532000
(2080)	45119691	42538A5E	C17A50B0	4192A336	44532000
(2120)	4011EA9A	4527D6C0	0000004E	000000E4	44532000
(2160)	C0855475	45123290	45187220	44F12A00	44532000
(2200)	C17A652B	4192D07C	418E49BA	43143C28	44532000
(2240)	0000004E	000000E4	4511E521	4253E7AE	44532000
(2280)	4517BFED	44CC9600	00000000	00000000	44532000

D-47381
8/16/78 - 02/19/80

(2320)	41C32B02	431454F5	4030B588	4516D400	45216060	45118DE0	00000000	00000000	0000004E	000000E4
(2360)	45120C69	4253FD2F	C17A8DR8	41931893	41C72F1A	43144970	402E39D5	45146140	45186C00	4510DC00
(2400)	00000000	00000000	0000004E	000000E4	45121F79	42540872	C17A985F	41932B6A	41C3A1CA	43144785
(2440)	4023DA51	4516AC10	45194240	451560E0	00000000	00000000	0000004E	000000E4	45123380	425413B6
(2480)	C17AA29C	41933DD9	41C25A1C	43146C51	4012D83C	45153060	451A4140	4512A7C0	00000000	00000000
(2520)	0000004E	000000E4	451246C4	42541EF9	C17AAD42	41935048	41C547AE	43146D99	8FCE0978	451679B0
(2560)	45194FE0	45150EE0	00000000	00000000	0000004E	000000E4	45125AF9	42542A3D	C17AB7E9	419362B6
(2600)	41C50624	431430A3	C0258D79	45183C80	451A5720	45172F40	00000000	00000000	0000004E	000000E4
(2640)	45126E09	42543439	C17AC0E8	41937381	41AC624D	431457AE	BFFB6241	45166EF0	451C4620	45138370
(2680)	00000000	00000000	0000004E	000000E4	4512823E	42543F7C	C17ACBFB	419385F0	41BCD916	4314AC00
(2720)	C0170F06	451718B0	4519C800	4515C0E0	00000000	00000000	0000004E	000000E4	4512A988	42545604
(2760)	C17AE075	4193AACD	41C2872B	43144570	C0199296	4518E2A0	451D18E0	4516C630	00000000	00000000
(2800)	0000004E	000000E4	4512D0CE	42546C83	C17AF5C2	4193D013	41BE5A1C	4314791E	40F61DA7	45178160
(2840)	451C43A0	45152060	00000000	00000000	0000004E	000000E4	4512E3E3	425476C8	C17AFF2E	4193E075
(2880)	41C4DD2F	4314723D	40C3ADC0	45175830	4518AC60	45153270	00000000	00000000	0000004E	000000E4
(2920)	45130B28	42548D4F	C17B147A	41940553	41BE4DD2	4314563D	40392E1E	45192B20	4517B5C0	4519E600
(2960)	00000000	00000000	0000004E	000000E4	45133273	4254A395	C17B29C7	41942A30	4184F1A9	4314A400
(3000)	40E85E74	4517CB10	451C3480	45158660	00000000	00000000	0000004E	000000E4	451346A8	4254AED9
(3040)	C17B3404	41943C9E	419FE38C	4314A451	40273CB3	45160D00	4519E100	45142310	00000000	00000000
(3080)	0000004E	000000E4	4513598B	425488D4	C17B3DD9	41944D01	41AE1062	4314CAB8	3F85EF62	45177500
(3120)	45126020	45157F90	00000000	00000000	0000004E	000000E4	45136DEC	4254C418	C17B48E8	41945F6F
(3160)	41A7A1CA	4314F0F5	C11241F2	451A2F20	451796E0	451B7800	00000000	00000000	0000004E	000000E4
(3200)	45139536	4254DA9F	C17B5E35	41948440	41A8B439	4314CE66	C0903D9A	4519B360	451F2C00	4516F6E0
(3240)	00000000	00000000	0000004E	000000E4	4513A848	4254E5A1	C17B68DB	419496BB	41A20418	4314EA8F
(3280)	C0E6392E	451AEAA0	45164180	451D3EE0	00000000	00000000	0000004E	000000E4	4513BC7B	4254EFD0
(3320)	C17B72B0	4194A71D	41A09F8E	4314D30A	404F7B9E	4519CA80	451F78E0	4516F360	00000000	00000000
(3360)	0000004E	000000E4	4513F6D9	42551168	C17B923A	4194D0E0	419C020C	4315123D	C0EE63C7	45168950
(3400)	45179D80	4515FF30	00000000	00000000	0000004E	000000E4	45140B09	42551C6A	C17B9DB2	4194F06F
(3440)	41AA6E97	4314C5EB	C0B6D330	45165ED0	45186700	4513DAC0	00000000	00000000	0000004E	000000E4
(3480)	45141E20	425527AE	C17BA7EF	41950275	419EF837	4314D266	C0C77271	45170700	451AC520	45152820
(3520)	00000000	00000000	0000004E	000000E4	45143254	425531A9	C17BB22D	41951340	41ACF5C2	4314D5C2
(3560)	C0C896BB	45160630	45199240	45144040	00000000	00000000	0000004E	000000E4	4514599B	425547EF
(3600)	C17BC7E2	419537B4	41A978D4	431518A3	C0DF8AB0	45145F50	451854B0	451264A0	00000000	00000000
(3640)	0000004E	000000E4	45146CAE	42555333	C17BD288	419549BA	41AEC083	43146F85	C1494745	4518B780
(3680)	451724F0	451980C0	00000000	00000000	0000004E	000000E4	451480E4	42555E35	C17BD097	41955C28
(3720)	41BA6666	4314D028	C1226113	451C9580	45207100	451AA7C0	00000000	00000000	0000004E	000000E4
(3760)	451493F8	42556978	C178E8A7	41956E2E	41AFCE09	43149B33	C11CC9EE	451B1840	451A3D80	45188500
(3800)	00000000	00000000	0000004E	000000E4	4514A823	42557374	C17BF27B	41957E90	41B19999	4314CDEB
(3840)	C114FF97	45199BA0	451D2FE0	4517D170	00000000	00000000	0000004E	000000E4	4514E288	425594BC
(3880)	C17C12D7	41958573	41A1CED9	4314FD1E	3F1125A7	4514E640	451C9080	45111130	00000000	00000000
(3920)	0000004E	000000E4	451509CC	4255A9BA	C17C27BB	4195D7DB	41AFB645	431488CC	3E6C97D8	451731E0
(3960)	451A6F80	45159300	00000000	00000000	0000004E	000000E4	441C92E3	4256AE56	C17D2FEC	419781D7
(4000)	41BA45A1	4314C6B8	4113119C	4513A880	451898E0	451130C0	00000000	00000000	0000004E	000000E5
(4040)	441F0728	4256C45A	C17D460A	4197A5E3	41C148C6	4314C5C2	41154C98	451552E0	451CA200	4511AB50
(4080)	00000000	00000000	0000004E	000000E5	44204A85	4256CF5C	C17D5182	419787E9	41C14FDF	4314DDC2
(4120)	411CB089	4513CF90	451C1E20	44FA8400	00000000	00000000	0000004E	000000E5	44217BD4	4256DA1C
(4160)	C17D5CFA	4197C9EE	418C3126	4314B170	4119B98C	45142760	451829C0	4510A620	00000000	00000000
(4200)	0000004E	000000E5	4422BF21	4256E418	C17D67A0	4197D9E8	41B53333	4314EF85	4118404E	4513CC00
(4240)	45198020	4510F200	00000000	00000000	0000004E	000000E5	44253375	4256FA1C	C17D7E28	4197FD8A
(4280)	41B3DB22	4314F8A3	4111FD8A	45131870	45184360	45108300	00000000	00000000	0000004E	000000E5
(4320)	4427A819	42570FDF	C17D9518	4198212D	41BF0624	4314F2B8	4112425A	4512AA50	4518AE20	44FA8500
(4360)	00000000	00000000	0000004E	000000E5	4428D966	42571AE1	C17DA0F9	41983333	41B75810	4314AAE1
(4400)	40BC26FE	451222F0	45169C70	44FE6300	3FA2877E	4518FBA0	0000004E	000000E5	442A1C66	42572498
(4440)	C17DAB36	4198432C	41841062	4314C5EB	41149D49	4511FE50	4517E1A0	44F0CA00	00000000	00000000
(4480)	0000004E	000000E5	44254DDC	42572F9D	C17DB645	41985532	41889374	4314963D	40EA6223	451218E0
(4520)	4516B390	44FCB900	00000000	00000000	0000004E	000000E5	442DDC266	42574560	C17DDC9E	419878D4
(4560)	41C2B439	4314A9EB	4113BA5E	45108AE0	45160CE0	44E11E00	00000000	00000000	0000004E	000000E5
(4600)	442F0566	42575062	C17DD97F	41988A71	41CB0A3D	431486B8	411DD4FD	4512F130	451E1D60	44D5AF00
(4640)	00000000	00000000	0000004E	000000E5	443036B3	42575A1C	C17DE3BC	41989A63	41C0ED91	4314A7D7
(4680)	41106041	4511C280	4515DEA0	44FB4800	00000000	00000000	0000004E	000000E5	44317A00	4257651E
(4720)	C17DEF34	4198AC71	4144F5C2	43148970	412AA0F9	44CC9E0D	44B8A400	44D69A00	00000000	00000000
(4760)	0000004E	000000E5	4432AB4C	42576FDF	C17DFAAC	4198BE0D	41B59DB2	4314A3D7	4116D6A1	45126970
(4800)	451764F0	44FEBR00	00000000	00000000	0000004E	000000E5	4433EE99	42577AE1	C17E068D	4198D013
(4840)	41BD74BC	43149947	4115D495	4511AC10	45171840	44EF5F00	00000000	00000000	0000004E	000000E5
(4880)	44351F99	425785A1	C17E126E	4198E180	41C15810	43149947	41148CE7	45109AF0	4514C760	44E84C00
(4920)	00000000	00000000	0000004E	000000E5	44366300	425790A3	C17E1DE6	4198F34D	41C5A5E3	43149400

\$JOB 10:16:13
\$ASS IN T41
\$NOP ***** LIST OF 80-66 (REC. 1 OF FILE 2 & REC. 5 OF FILE 14) *****
\$EXE TPLIST BS

INPUT PARAMETERS ARE: AS SR=1=1 1 1 2

TAPE NO.	1	FILE NO.	12
RECORD	1	LENGTH	2048
0100	780815	1800.0000	0.82050E+02-0.75526E+01 0.89942E+01 0.12941E+02 0.32429E+03 0.13706E+0
60100	780815	1800.0000	0.82994E+02-0.76036E+01 0.90913E+01 0.15994E+02 0.31642E+03 0.13242E+
060100	780816	1900.0000	0.83479E+02-0.76307E+01 0.91413E+01 0.11902E+02 0.29431E+03 0.14609E
+060100	780816	2000.0000	0.83963E+02-0.76582E+01 0.91909E+01 0.98946E+01 0.32437E+03 0.17042
E+060100	780816	2100.0000	0.84472E+02-0.76878E+01 0.92431E+01 0.84457E+01 0.31949E+03 0.1767
5E+060100	780816	2200.0000	0.84968E+02-0.77173E+01 0.92940E+01 0.76592E+01 0.32787E+03 0.184
32E+060100	780816	2300.0000	0.85449E+02-0.77465E+01 0.93432E+01 0.78868E+01 0.33038E+03 0.18
780E+060100	780817	2400.0000	0.85894E+02-0.78380E+01 0.94910E+01 0.84698E+01 0.33590E+03 0.1
8787E+060100	780817	300.0000	0.87372E+02-0.78695E+01 0.95398E+01 0.86458E+01 0.33582E+03 0.
18377E+060100	780817	400.0000	0.87847E+02-0.79013E+01 0.95882E+01 0.90708E+01 0.33358E+03 0
.18190E+060100	780817	500.0000	0.88338E+02-0.79349E+01 0.96382E+01 0.95518E+01 0.33457E+03
0.18068E+060100	780817	600.0000	0.88829E+02-0.79692E+01 0.96882E+01 0.10210E+02 0.33679E+03
0.18140E+060100	780817	700.0000	0.89287E+02-0.80018E+01 0.97348E+01 0.12015E+02 0.33055E+0
3 0.17485E+060100	780817	800.0000	0.89750E+02-0.80353E+01 0.97818E+01 0.12631E+02 0.33232E+
03 0.17182E+060100	780817	900.0000	0.90213E+02-0.80694E+01 0.98288E+01 0.14932E+02 0.32914E
+03 0.16923E+060100	780817	1000.0000	0.90673E+02-0.81041E+01 0.98755E+01 0.18788E+02 0.33223
E+03 0.16340E+060100	780817	1100.0000	0.91120E+02-0.81382E+01 0.99207E+01 0.17045E+02 0.33338
1E+03 0.16418E+060100	780817	1500.0000	0.93099E+02-0.82964E+01 0.10121E+02 0.13883E+02 0.332
11E+03 0.19044E+060100	780817	1600.0000	0.93434E+02-0.83243E+01 0.10155E+02 0.13450E+02 0.35
920E+03 0.18840E+060100	780817	1700.0000	0.93866E+02-0.83610E+01 0.10198E+02 0.12255E+02 0.3
6348E+03 0.18880E+060100	780817	1800.0000	0.94287E+02-0.83981E+01 0.10240E+02 0.12255E+02 0.3

***** JOB DONE.
\$EXE TPLIST BS

INPUT PARAMETERS ARE: AS SR=3=1 1 1 14

TAPE NO.	1	FILE NO.	14
RECORD	5	LENGTH	2048
0100	820105	700.0000	0.25068E+03 0.53489E+02 0.16362E+02 0.76126E+01 0.40487E+03 0.12947E+0
60100	820105	800.0000	0.25071E+03 0.53373E+02 0.16373E+02 0.75828E+01 0.39899E+03 0.12706E+
060100	820105	900.0000	0.25075E+03 0.53211E+02 0.16389E+02 0.72590E+01 0.39914E+03 0.12673E
+060100	820105	1000.0000	0.25077E+03 0.53089E+02 0.16401E+02 0.68694E+01 0.39885E+03 0.12617
E+060100	820105	1100.0000	0.25080E+03 0.52958E+02 0.16414E+02 0.65891E+01 0.39179E+03 0.1351
5E+060100	820105	1200.0000	0.25083E+03 0.52828E+02 0.16426E+02 0.60233E+01 0.37912E+03 0.141
93E+060100	820105	1300.0000	0.25086E+03 0.52697E+02 0.16439E+02 0.58639E+01 0.38903E+03 0.13
699E+060100	820105	1400.0000	0.25089E+03 0.52565E+02 0.16452E+02 0.59260E+01 0.38988E+03 0.1
3201E+060100	820105	1500.0000	0.25092E+03 0.52431E+02 0.16464E+02 0.59354E+01 0.39240E+03 0.
13042E+060100	820105	1600.0000	0.25094E+03 0.52300E+02 0.16477E+02 0.64285E+01 0.39099E+03 0
.12921E+060100	820105	1700.0000	0.25097E+03 0.52164E+02 0.16490E+02 0.68277E+01 0.39417E+03
0.13041E+060100	820105	1800.0000	0.25099E+03 0.52077E+02 0.16498E+02 0.71124E+01 0.38678E+03
0.13345E+060100	820105	1900.0000	0.25103E+03 0.51896E+02 0.16515E+02 0.78619E+01 0.37663E+0
3 0.13034E+060100	820105	2000.0000	0.25106E+03 0.51766E+02 0.16528E+02 0.80062E+01 0.37239E+
03 0.13280E+060100	820105	2100.0000	0.25109E+03 0.51626E+02 0.16541E+02 0.89580E+01 0.37472E
+03 0.12548E+060100	820105	2200.0000	0.25112E+03 0.51496E+02 0.16553E+02 0.11173E+02 0.37889
E+03 0.12217E+060100	820105	2300.0000	0.25114E+03 0.51363E+02 0.16565E+02 0.14281E+02 0.3909
3E+03 0.11945E+060100	820105	2400.0000	0.25117E+03 0.51237E+02 0.16577E+02 0.15893E+02 0.374
58E+03 0.11606E+060100	820105	2500.0000	0.25132E+03 0.50526E+02 0.16642E+02 0.15278E+02 0.36
403E+03 0.99294E+060100	820105	2600.0000	0.25134E+03 0.50420E+02 0.16652E+02 0.15670E+02 0.3
6384E+03 0.10068E+060100	820105	2700.0000	0.25137E+03 0.50313E+02 0.16662E+02 0.15670E+02 0.3

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

78-079A-01K
ISEE 3
Hourly S.W. Params
Based on Elections
D-65241
8/16/78 - 10/10/82