

#401

COMPOSITE NORMALIZED

SOLAR WIND TAPE

SM-45A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

REQ. AGENT
VJP

RAND NO.
RC8140

ACQ. AGENT
JHK

COMPOSITE NORMALIZED

SOLAR WIND TAPE

SM-45A

This data set catalog consists of 1 COMPOSITE NORMALIZED SOLAR WIND TAPE. The tape is 1600 BPI, 9 track, Binary, with 1 file of data. The tape was created on the IBM 360 computer.

The time span is as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-30341	C-19350	11/27/63 - 12/30/75

COMPOSITE NORMALIZED SOLAR WIND TAPE

This tape contains hourly or 3-hourly averaged interplanetary plasma parameters normalized at NSSDC as discussed elsewhere. There are data from up to five different sources per record (ie, per hour). There is no record for an hour with no data. Words with no data are filled with zeros. Three-hour averages appear in 3 successive one-hour records. The tape is single file, unlabelled, 9 track, created in binary on an IBM 360/75 computer.

DCB=(RECFM=VBS,LRECL=308,BLKSIZE=15404,DEN=3)

<u>WORD</u>	<u>TYPE</u>	<u>MEANING</u>	<u>UNITS/COMMENTS</u>
1	I*4	Number of Spacecraft with data for the hour	
2	I*4	Year	63,64,65,etc.
3	I*4	Decimal Day	Jan 1 = Day 0
4	I*4	Hour	0,1,2...23
5	I*4	Spacecraft ID	See Below
6	I*4	Number of fine time scale points in hour averages	
7	R*4	Temperature	°K
8	R*4	Density	cm ⁻³
9	R*4	Bulk speed	km/sec
10	R*4	Flow Longitude	Degrees; aberration corrected; positive for flow from west of sun; solar ecliptic coordinates
11	R*4	Flow latitude	Degrees; positive for flow from south of sun; solar ecliptic coordinates
12	R*4	Std. Dev. in Temp. Avg.	°K
13	R*4	Std. Dev. in Dens. Avg.	cm ⁻³

<u>WORD</u>	<u>TYPE</u>	<u>MEANING</u>	<u>UNITS/COMMENTS</u>
14	R*4	Std. Dev. in Speed Avg.	km/sec
15	R*4	Std. Dev. in Longitude	deg.
16	R*4	Std. Dev. in Latitude	deg.
17-31		Same as 2-16 for second spacecraft	
32-46		Same as 2-16 for third spacecraft	
47-61		Same as 2-16 for fourth spacecraft	
62-76		Same as 2-16 for fifth spacecraft	

Spacecraft ID's

18	Explorer 18 (IMP 1)	MIT
33	Explorer 33 (AIMP 1)	MIT
34	Explorer 34 (IMP 4)	GSFC
35	Explorer 35 (AIMP 2)	MIT
43	Explorer 43 (IMP 6)	LASL
50	Explorer 50 (IMP 8)	MIT
99	Merged Vela	LASL
98	Merged IMP 6,7,8	LASL
1	Heos 1	CNR
3	Vela 3	LASL
5	OGO 5	JPL

(7900)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8000)	00000000	00000000	00000000	01340000	00000001	0000004B	0000016B	00000004	00000032	0000002F	00000000
(8040)	452E120B	41362004	43272358	4113BA5E	40F2B020	442130C9	405B645A	41CDA9FB	412153F7	412C6A7E	00000000
(8080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8320)	01340000	00000001	0000004B	0000016B	00000005	00000032	0000001B	452D07C1	41356ACF	43267F4B	00000000
(8360)	41128312	0110872B	44550578	40618937	4222DFBE	41427EF9	41429374	00000000	00000000	00000000	00000000
(8400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(8600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

FILE	1	# OF DATA RECORDS	1224	# SUCCESSFUL READS	1223						
		# PERMANENT READ ERRORS	0	# ZERO BYTE ERRORS	2	# SHORT RECORDS	0	# UNDEFINED ERRORS	C		
		# OF RECORDS RETRIED	2	TOTAL # OF RETRIES	2						