

#404

COMPOSITE UNNORMALIZED

SOLAR WIND TAPE

SM-44A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

SOLAR WIND TAPE

SM-44A

This data set catalog consists of 1 Composite Unnormalized 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-30487	C-19391	11/27/63 - 12/30/75

COMPOSITE UNNORMALIZED SOLAR WIND TAPE

This tape contains hourly or 3-hourly averaged interplanetary parameters as provided by several experimental groups. 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 zeroes. 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	$^{\circ}\text{k}$
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 coordinate
11	R*4	Flow latitude	Degrees; positive for flow from south of sun; solar ecliptic coordinates
12	R*4	Std. dev. in temp. avg.	$^{\circ}\text{k}$
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

(7960) 0000004B 0000016B 00000005 00000032 0000001E 45379594 4130E0FC 43267E4B 41128312 C110872B
(8000) 44550578 40618937 42220F0E 41427EF9 41429374 00000000 00000000 00000000 00000000 00000000
(8040) 41100000 4110

FILE 1 # OF DATA RECORDS 374 # SUCCESSFUL READS 371
PERMANENT READ ERRORS 0 # ZERO BYTE ERRORS 4 # SHORT RECORDS 0 # UNDEFINED ERRORS 0
OF RECORDS RETRIED 4 TOTAL # OF RETRIES 4