

#479

COSMOS 900

ELECTRON + PROTON DATA

77-023A-05A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

COSMOS 900

ELECTRON + PROTON DATA

77-023A-05A SPMS-00374

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in ASCII. 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 a MOD-COMP computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005695	DS005695	D043047	1 - 2	12/01/77 - 12/12/77

REQ. AGENT  
VPL

RAND NO.  
V0063

ACQ. AGENT  
DNS

COSMOS 900

ELECTRON + PROTON DATA

77-023A-05A

This data set catalog consists of 1 data tape. The tape is 9 track, ASCII, 1600 BPI with 2 files of data. The tape was created on the MODCOM IV computer system.

Time span is as follows:

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-43047	C-21305	1	12/01/77 - 12/02/77
		2	12/11/77 - 12/12/77

77-023A-

DOCUMENTATION FOR COSMOS-900

THE COSMOS-900 DATA TAPE WAS DERIVED FROM A LISTING OF DATA FROM RUSSIA WHICH WAS KEYPUNCHED TO DATA CARDS THEN LOADED ONTO A 9TRK. 1600BPI ASCII TAPE (77-023A-050).

THE TAPE HAS 2 FILES, WITH 80 BYTE RECORDS. THE FIRST FILE HAS 2163 RECORDS WITH DATA FROM DECEMBER 1-2, 1977 DAYS (335-336).

THE SECOND FILE HAS 1271 RECORDS WITH DATA FROM DECEMBER 11-12, 1977 DAYS (345-346).

THE FIRST RECORD OF THE FIRST FILE IS A HEADER RECORD AND CONTAINS THE FOLLOWING:

BYTES		COSMOS-900	FORMAT
1-10	STATION ID.		
11	# FILES	2	11
12-13	BYTES/REC.	80	10
14	BLANK		10
15	FILE #	1	11
16-19	# RECS./FILE	2163	14
START TIME FILE# 1			
20-21	YEAR	77	12
22-24	DAY	335	13
25-26	HOUR	14	12
27-28	MINUTE	41	12
29-30	SECONDS	25	12
31			A1 (OR IF NOT WANTED(X))
STOP TIME FILE# 1			
32-34	DAY	336	13
35-36	HOUR	10	12
37-38	MINUTE	42	12
39-40	SECONDS	30	12
41			A1 (OR IF NOT WANTED(X))
42	FILE #	2	11
43-46	# RECS./FILE	1271	14
START TIME FILE# 2			
47-48	YEAR	77	12
49-51	DAY	345	13
52-53	HOUR	20	12
54-55	MINUTE	50	12
56-57	SECONDS	04	12
58			A1 (OR IF NOT WANTED(X))
STOP TIME FILE# 2			
59-61	DAY	346	13
62-63	HOUR	07	12
64-65	MINUTE	50	12
66-67	SECONDS	18	12
68-69	BLANK		X



THE DATA RECORDS ARE TIME/DATA, TIME/DATA! THAT IS TWO!!  
 PAIRS OF TIME/DATA!!!!!!!!!!!!!!!!!!!!!!  
 THE DATA RECORD IS FORMATED AS FOLLOWS:

BYTES		FORMAT	1ST 2 RECS	
			1	2
1-3	DAY	I3	335	335
4	BLANK	X		
5-6	HOUR	I2	14	14
7	BLANK	X		
8-9	MINUTE	I2	41	42
10	BLANK	X		
11-12	SECONDS	I2	25	47
13-14	BLANK	X		
15-18	PROTONS (1-3 MEV LOG(C/S))	F4.2	.92	.92
19-20	BLANK	X		
21-24	PROTONS (80-130 KEV LOG(C/S))	F4.2	.96	.96
25-26	BLANK	X		
27-30	ELECTRONS (80-130 KEV LOG(C/S))	F4.2	2.54	1.53
31-32	BLANK	X		
40-42	DAY	I3	335	335
43	BLANK	X		
44-45	HOUR	I2	14	14
46	BLANK	X		
47-48	MINUTES	I2	42	42
49	BLANK	X		
50-51	SECONDS	I2	42	52
52-53	BLANK	X		
54-57	PROTONS (1-3 MEV LOG(C/S))	F4.2	.92	.92
58-59	BLANK	X		
60-63	PROTONS (80-130 KEV LOG(C/S))	F4.2	.96	.96
64-65	BLANK	X		
66-69	ELECTRONS (80-130 KEV LOG(C/S))	F4.2	1.39	1.83
70-80	BLANK	10X		

DUMP OF TAPE X395

D-43047

COSMOS 900  
12/10/77 - 12/12/77

INPUT TAPE X395 ON MT2  
DATA INPUT H9 NF 2 FL 2 2 2

FILE	RECORD	LENGTH	80BYTES
( 0)	434F534D	4F532D39	30303238
( 4)	3E323132	37323737	33343532

FILE	RECORD	LENGTH	80BYTES
( 0)	33333520	31342034	31203235
( 40)	33352031	34203432	20343220

FILE	RECORD	LENGTH	80BYTES
( 0)	33333620	31302034	32203135
( 40)	33362031	30203432	20323020

FILE	RECORD	LENGTH	80BYTES
( 0)	33333620	31302034	32203330
( 40)	33362031	30203432	20333520

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
1	2159	2161	80	0	0	0	0	0	0

FILE	RECORD	LENGTH	80BYTES
( 0)	33343520	32302035	30202034
( 40)	34352032	30203530	20353120

FILE	RECORD	LENGTH	80BYTES
( 0)	33343520	32302035	30203536
( 40)	34352032	30203531	20203120

FILE	RECORD	LENGTH	80BYTES
( 0)	33343620	20372035	30202033
( 40)	34362020	37203530	20313320

FILE	RECORD	LENGTH	80BYTES
( 0)	33343620	20372035	30203138
( 40)	34362020	37203530	20323820

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
2	1271	1273	80	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 1/27/81 12:43:15 STOP TIME 1/27/81 12:44:18