

DATA SET CATALOG # 101

EXPLORER 35  
ION CHAMBER- GEIGER COUNTER

67-070A-02A

8 tapes

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

## IMP-E

## ORIGINAL GM &amp; ION CHAMBER COUNTS

67-070A-02A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED EIGHT 7-TRACK, 800 BPI TAPES WRITTEN IN BCD. THERE ARE THREE RESTORED TAPES WRITTEN IN ASCII. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A 7094 COMPUTER AND THEY WERE RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004220	DS004220	D005922	1-453	07/19/67 - 08/30/67
		D005921	454-895	08/31/67 - 10/04/67
		D005920	896-1328	10/05/67 - 11/15/67
DR004221	DS004221	D005919	1-428	11/16/67 - 01/10/68
		D005918	429-835	01/11/68 - 02/28/68
		D005917	836-1243	02/29/68 - 04/17/68
DR004222	DS004222	D005916	1-421	04/18/68 - 06/05/68
		D005915	422-818	06/06/68 - 07/24/68

April 6, 1971

67-070A-02A  
Explorer 33  
ION CHAMBER - GEIGER COUNTER

This data set consists of 8 BCD, 800 NPI, 7-track tapes. These tapes are multi-filed with the last file of each tape consisting of just an end-of-file mark.

The format for this data set is identical to the one for the EXPLORER 33 ION CHAMBER - GEIGER COUNTER Data Set.

The time spans for the tapes are as follows:

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME</u>	<u>SPAN</u>
D-05922	C-04822	434	07/14/67	- 08/30/67
D-05921	C-04835	443	08/31/67	- 10/04/67
D-05920	C-04836	434	10/05/67	- 11/15/67
D-05919	C-04837	429	11/16/67	- 01/10/68
D-05918	C-04838	408	01/11/68	- 02/28/68
D-05917	C-04839	409	02/29/68	- 04/17/68
D-05916	C-04840	432	04/18/68	- 06/05/68
D-05915	C-04841	398	06/06/68	- 07/24/68

## II. EXPLORER-33 UNIVERSITY OF CALIFORNIA EXPERIMENT DATA TAPES

All the useful data from the Explorer-33 University of California experiment is contained on seven 2400 foot magnetic tape reels. The data covers the period from day 181, 1966 to day 180, 1967. These tapes were generated by merging 49 reels received from Goddard Space Flight Center (GSFC) onto the seven longer reels in chronological order. Each long tape contains data from seven shorter reels. The tapes were generated on an IBM 360/40 system and contain BCD characters on a 7-track tape in even parity at 800 characters/inch density.

The first file of each stacked tape is a one record file which serves as an index to that tape. The physical record is 865 characters in length and consists of 72 twelve-character index entries. There is one index entry for each of the GSFC short reels stacked onto the larger tape. The entries are in the following format:

### Characters

1-6	GSFC reel number
7-9	Total number of files on the GSFC reel
10-12	blank

Each stacked tape contains seven entries. The remaining entries are blank. Following the index file is the stacked experiment data copied from the GSFC reels. The data is in the same file by file format as it appeared on the original tapes except that a 12-character field has been prefixed to each record to identify it to University of California programs using these tapes. The individual records are 865 characters (including prefix field) and are formatted as follows: