

DATA SET CATALOG #90

OG0-1 ION Chamber
64-054A-20B 17 tapes

Table of Contents

1. Introduction
2. Errata/Change Log
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM
4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

DDO 1

REDUCED PULSE RATE CONDENS. TAPES

64-054A-20B

This data set has been restored. There were originally 17 Binary 7-Track, 556 BPI tapes. There is one restored tape. The DR tape is 3480 cartridge and the DS tape is a 9-track, 6250 BPI. The tapes were created on an IBM 7094 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
DR03107	DS03107	D01938	1	09/05/64 - 11/11/64
		D04985	2	11/07/64 - 12/20/64
		D04986	3	12/18/64 - 01/16/65
		D04987	4	02/09/65 - 04/09/65
		D04988	5	04/09/65 - 05/05/65
		D04989	6	05/05/65 - 05/31/65
		D04990	7	05/31/65 - 06/20/65
		D04991	8	08/09/65 - 10/06/65
		D04992	9	10/06/65 - 11/05/65
		D04993	10	11/05/65 - 12/18/65
		D04994	11	01/06/66 - 05/02/66
		D04995	12	05/02/66 - 05/27/66
		D04996	13	06/31/66 - 10/31/66
		D04997	14	10/31/66 - 12/12/66
		D04998	15	03/03/67 - 04/20/67
		D04999	16	04/20/67 - 06/05/67
		D05000	17	09/13/67 - 12/06/67

OCO-1, ION CHAMBER 'B'

64-054A-20B

556 BPI, BINARY, 7 TRACK, 1 FILE, IBM 7094

<u>D-NUMBER</u>	<u>C-NUMBER</u>	<u>TIME SPAN</u>
D-01938	C- 1192	09/5/64 - 11/7/64
D-04985	C-02643	11/07/64 - 12/18/64
D-04986	C-02644	12/18/64 - 01/16/65
D-04987	C-02645	02/09/65 - 04/09/65
D-04988	C-02646	04/09/65 - 05/05/65
D-04989	C-02647	05/05/65 - 05/31/65
D-04990	C-02648	05/31/65 - 06/20/65
D-04991	C-02649	08/09/65 - 10/06/65
D-04992	C-02650	10/06/65 - 11/05/65
D-04993	C-02651	11/05/65 - 12/18/65
D-04994	C-02652	01/06/66 - 05/02/66
D-04995	C-02653	05/02/66 - 05/27/66
D-04996	C-02654	08/31/66 - 10/31/66
D-04997	C-02655	10/31/66 - 12/12/66
D-04998	C-02656	03/03/67 - 04/20/67
D-04999	C-02657	04/20/67 - 06/05/67
D-05000	C-02658	09/03/67 - 12/05/67

OL

6-144-208

CGO I ICM CHANGER

THE ORIGINAL TAPES WERE PRODUCED WITH THE
RECORDING ON A MACHINE OTHER THAN AN ICM
MACHINE, SINCE THE 1094 MUST WORK WITH A 36 51
AND THE TAV I (TAPE WERE INCOMPLETE) SWITCH
WAS USED DURING THE DUPLICATING PROCESS.

THE SET CONSISTS OF 16 MAGNETIC TAPE
REELS, WHICH IS PACKED AT A DENSITY OF 556 BP I,
3000 INCHES, OLD PART 1, AND HAS ONE FILE. THERE
ARE NO PROBLEM TAPES. INDIVIDUAL TAPE TIME
DURATION ARE AS FOLLOWS:

SEPT 5, 1964 - NOV 7, 1964

NOV 7, 1964 - DEC 18, 1964

DEC 18, 1964 - JAN 16, 1965

JAN 16, 1965 - APR 9, 1965

APR 9, 1965 - MAY 5, 1965

MAY 5, 1965 - MAY 31, 1965

MAY 31, 1965 - JUNE 20, 1965

JUNE 20, 1965 - OCT 6, 1965

OCT 6, 1965 - NOV 5, 1965

NOV 5, 1965 - DEC 18, 1965

JAN 6, 1966 - MAR 2, 1966

MAY 2, 1966 - MAY 2, 1966

AUG 31, 1966 - OCT 31, 1966

OCT 31, 1966 - DEC 17, 1966

MAR 3, 1967 - APR 20, 1967

APR 20, 1967 - JUNE 5, 1967

SEPT 3, 1967 - DEC 1, 1967

J. Chase

THE GDD FORMAT FOR CONDENSED TAPES

The two thousand GDD-I and GDD-III data tapes have been processed and a set of approximately 70 condensed tapes have been generated. The electron spectrometer and the ion chamber data are on a separate set of condensed tapes. These tapes are written in binary parity at 200 bps. The data on these tapes are in approximate time order. Real time and spacecraft tape recorder data has been merged together on the tape except from June 9, 1966 until July 23, 1967 on GDD-III (period prior to attitude control failure). During the period prior to the failure of the attitude control system there is a large amount of overlap between the real time data and the spacecraft tape recorder data and therefore separate real time and playback condensed tapes have been generated.

Each tape contains one file of data, the file being terminated by the standard end-of-file. The file is made up of an arbitrary number of records and covers an arbitrary amount of time. The records contained in the file are of variable length. The length varies from 21-1010 48-bit words. The first twenty 48-bit words of each record constitute a header which describes the information for that record. The following is a description of the header for both the ion chamber and the spectrometer:

Word Number

- 1 TIME-ID in BCD (ex. 22 - 7357)
- 2 Scan Number in BCD (ex. 0001 173) ^
- 3 Scan Number in BCD (ex. REEL 05) ^
- 4 A 48-bit packed word of the following form: