DATA SET CATALOG #90

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

OGO-1, ION CHAMBER 'B'

64-054A-20B

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

D-NUMBER	C-NUMBER	TIME SPAN
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/[illegible]/67

[illegible] OGO I ICM CHAMBER

[illegible] ORIGINAL TAPES WERE PRODUCED WITH [illegible] ON A MACHINE OTHER THAN AN IBM [illegible] SINCE [illegible] 1094 MUST WORK WITH A 36 [illegible] THE TWI (TAPE WORD INCOMPLETE) SWITCH [illegible] DURING THE DUPLICATING PROCESS. [illegible] SET CONSISTS OF 16 MAGNETIC TAPES. [illegible] IS PACKED AT A DENSITY OF 556 BPI, [illegible] MODE, ODD PARITY, AND HAS ONE FILE. THERE ARE NO PROBLEM TAPES. INDIVIDUAL TAPE TIME SPANS ARE AS FOLLOWS:

SEPT 5, 1964 - NOV 7, 1964
NOV. 7 1964 - DEC. 18, 1964
DEC 18 1964 - JAN 16, 1965
[illegible] 1965 - APR. 9, 1965
APR. 9, 1965 - MAY 5, 1965
MAY [illegible] 1965 - MAY 31, 1965
MAY 31, 1965 - JUNE 20, 1965
AUG. [illegible] 1965 - OCT. 6, 1965
OCT. [illegible] 1965 - NOV 5, 1965

NOV. 5, 1965 - DEC [illegible]
JAN. 6, 1966 - MAY [illegible]
MAY 2, 1966 - MAY [illegible]
AUG. 31, 1966 - OCT. 31, 1966
OCT. 31, 1966 - DEC. [illegible], 1966
MAR. 3, 1967 - APR. 20, 1967
APR. 20, 1967 - JUNE 5, 1967
SEPT. 3, 1967 - DEC [illegible] 1967

J. Chase

THE OGO FORMAT FOR CONDENSED TAPES

The many thousand OGO-I and OGO-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 bpi. The data on these tapes are in approximate time order. Real time and spacecraft tape recorder data has been merged together on the same tape except from June 9, 1966 until July 23, 1967 on OGO-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 21-1000 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 TAPE-ID in BCD (ex. ZZ - 7357)

2 Room Number in BCD (ex. DECM 173)

3 Reel Number in BCD (ex. REEL 05)

4 A 48-bit packed word of the following form: