DATA SET CATALOG #84

ATS-B Solid State Particle
66-110A-03A (input) 49 tapes
(output) 10 tapes

ATS-1

REFORMATTED PROTON + ELECTRON FLUX, TAPE

66-110A-03C

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 10 7-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE ARE TWO RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI WRITTEN IN BINARY. THE TAPES WERE CREATED ON A 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
DR03474	DS03474	D05729	1	12/17/66 - 05/26/67
		D05730	2	05/27/67 - 08/11/67
		D05731	3	08/14/67 - 10/20/67
		D05732	4	10/23/67 - 12/30/67
		D05733	5	01/01/68 - 02/19/68
DR03475	DS03475	D05734	1	02/20/68 - 04/23/68
		D05735	2	04/24/68 - 06/14/68
		D05736	3	06/15/68 - 08/14/68
		D05737	4	08/15/68 - 10/08/68
		D05738	5	10/09/68 - 12/05/68

ATS-B SOLID STATE PARTICLE

66-110A-03A

This data set consists of 49 input tapes and 10 merged and sorted output tapes. All tapes are 7-track, 800 BPI, binary. The input tapes were created on a CDC computer and each contain a header file followed by 10 data files. The output tapes were produced on the IBM 7094 computer and contain one file each.

The time spans for the output tapes are as follows:

D#	C#	TIME SPAN
D-5729	C-4434	12/17/66-05/26/67
D-5730	C-4435	05/27/67-08/11/67
D-5731	C-4436	08/14/67-10/20/67
D-5732	C-4437	10/23/67-12/3-/67
D-5733	C-4438	01/01/68-02/19/68
D-5734	C-4439	02/20/68-04/23/68
D-5735	C-4440	04/24/68-06/14/68
D-5736	C-4441	06/15/68-08/14/68
D-5737	C-4442	08/15/68-10/08/68
D-5738	C-4443	10/09/68-12/-5/68

66-[illegible]

ATS 1 [illegible] STATE
PART SPEC

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2 December 1968

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Tape Format for ATS-B
Data Tapes

The data tape contains a tape ID file (file 1) followed by ten data files (files 2-11) followed by an end of tape file (file 12).

Each data file contains the data from one calendar day.

The first record of each data file is an ID record giving the following information:

Word 1	Number of words in ID record excluding words 1 and 2
Word 2	Record type ("2" is ID record)
Word 3	Ten character BOD ID
Word 4	Number of words/frame
Words 5-[illegible]	Word ID (function names)

The second through the last record in each data file contains a number of whole data frames. A data frame consists of a sample of each function at the time given. On the ATS data tape, there are ten functions (10 words/frame). Word 1 and 2 from each record contain control information. Words 3-502 contain 50 frames of data (500 words @ 10 words/frame).

Each frame of data contains the following functions in order:

Word 1	Time associated with this frame of data (universal time)
Word 2	SYNNO - on board clock sequence number
Word 3	E1 - Electron flux $E_e > 300$ kev (cm^{-2} sec^{-1})
Word 4	E2 - Electron flux $E_e > 450$ kev (cm^{-2} sec^{-1})