IMP-A

TIME-SORTED GM & ION CHAMBER COUNTS, TAPE

63-046A-05B

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WAS ONE 7-TRACK, 556 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI WRITTEN IN EBCDIC. THE TAPE WAS CREATED ON A 7094 COMPUTER. THE DR AND DS NUMBERS ALONG WITH CORRESPONDING D NUMBER AND THE TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR03472	DS03472	D00799	1	11/28/63 - 03/26/65

NSSDC Master Catalog Display: Data Set

Time-Ordered GM Tube and Ion Chamber Count Data

NSSDC ID:SPHE-00400

Other ID(s)

63-046A-05B

Availability: At NSSDC, Ready for Offline Distribution (or Staging if Digital)
Time Span: 1963-11-28 to 1965-03-26 (as determined by NSSDC)

Description

This ionization chamber and Anton 213 Geiger-Mueller (GM) tube count data set is contained on one 7-track, 556-bpi, BCD magnetic tape that was generated at NSSDC by time ordering the experimenter-supplied, geomagnetically trapped electron and proton data. The first file on the tape is a 12-character index that identifies the original GSFC tape from which the data were taken. Following the index file are a variable number of files containing 1032-character data records, each of which consists of 18 56-character logical records and a 24-character group that again identifies the data with respect to the original GSFC tape. Each logical record contains the universal time (d, h, min, and ms), one accumulation each from the ion chamber and GM tube B, two accumulations from GM tube A, the azimuthal and polar solar angles, the satellite spin period, and several processing error flags.

Mission Name(s): Experiment(s)

IMP-A: Ion Chamber and GM Counters

Discipline(s)

Space Physics: Heliospheric Studies
Space Physics: Magnetospheric Studies

Media Information

1 Restored Tape
1 Digital Magnetic Tape DR003472

Personnel Information

Experiment Information
Mission Information

B11380.000A

DATA FORMAT STATEMENT FOR

DATA SETS 63-046A-05B

AND 64-060A-05B

Check BX15

TRF 213A

B11380

Data format statement

for datasets

63-046A-05B

64-060A-05B

Unpublished,

Unnumbered,

Jan 1971

~~[illegible]~~
63-046A-05B
64-063A-05B

Expl. 18 Energetic Particle Sortech type

NSSDC IMP 1,2 DATA FORMAT
ENERGETIC PARTICLE EXPERIMENT
BCD TAPE FORMAT

Symbol	Description
	*Logical Record
1-6	Sequence counter
7-8	Station number
9-11	Universal time - day
12-13	Universal time - hours
14-15	Universal time - minutes
16-20	Universal time - milliseconds
21	Frame time in seconds
22-24	Frame time in milliseconds
25	Sequence ID
26	ET1
27-31	F1 data - background counter
32	ET2
33-37	F4 data - Beta counter
38	ET3
39-43	F9 data - background counter if Sequence ID is ≠ 1, Ion chamber readout if Sequence ID = 1.
44	ET4
45-49	F12 data - Beta counter
50-53	Azimuthal angle
54-55	Polar solar angle
56-59	Spin period
60	Blank

*There are 18 Logical Records per Physical Record.

EBCDIC LIST OF DS003472

FILE 1 RECORD 1 1080 BYTES

```
000026033310024440375119390000290000290000900002105#000000 00002803331002727867
34940426511929015729003229001059323230432250541 00008216331035102340511931000911
11000831278801326911269370444250542 00008516331035508082511921015681259891000711
61015621231720096250540 00008816331035913824511913000503207793327473198170291250
60120250540 00009016331040157652511933000313175123000333171690489250543 00009216
00009316331040603394511921000261144331000241141450522250541 00009416331040725308
41009136511911000181125971327541123130018250540 00009716331041131050511921000131
310001312612#10001611121102262505 42 00010016331041536792511911000131109221327611
71000121104250273250540
```