DATA SET CATALOG # 79

INJUN III EIGHT SECOND AVERAGE
64-076B 47 tapes

64-076B
INJUN 4

This data set consists of 47 one file, 800 BPI, binary , 7-track tapes. Each tape contains experiments 2 through 7.

Included in this catalog are dumps of the tapes and output from the time sequence analysis and non-sequence record count program. This program gives the start and stop times for the experiments on all 47 tapes.

October 20, 1970

TO: J. Johns, KMS

FROM: F. Hagan, Code 601.1

SUBJ: Injun 4 Retarding Potential Analyzer Data Set (64-0768-02A)

The above data set, in addition to the data sets from six other Injun 4 experiments, is contained on 47 magnetic tapes. A program was written to find the start and stop times for this data. It was determined that the data started on February 13, 1965 and ended on July 19, 1966.

A recent discussion with an associate of the principal investigator (Dr. Rita Sagalyn, AFCRL) revealed that some data (perhaps the only truly useful data) exists for the period prior to February 13, 1965.

I hope to clarify this situation by talking with Dr. S. M. Krimigis, formerly of Univ. of Iowa, who will be at NSSDC on October 21, 1970.

Francis J. Hagan

F.J.H.

CHARACTER CODES

Character	External Code	Internal Code	Punch Card
A	61	21	12,1
B	62	22	12,2
C	63	23	12,3
D	64	24	12,4
E	65	25	12,5
F	66	26	12,6
G	67	27	12,7
H	70	30	12,8
I	71	31	12,9
J	41	41	11,1
K	42	42	11,2
L	43	43	11,3
M	44	44	11,4
N	45	45	11,5
O	46	46	11,6
P	47	47	11,7
Q	50	50	11,8
R	51	51	11,9
S	22	62	0,2
T	23	63	0,3
U	24	64	0,4
V	25	65	0,5
W	26	66	0,6
X	27	67	0,7
Y	30	70	0,8
Z	31	71	0,9
0	12	00	0
1	01	01	1
2	02	02	2
3	03	03	3
4	04	04	4
5	05	05	5
6	06	06	6
7	07	07	7
8	10	10	8
9	11	11	9
/	21	61	0,1
+	60	20	12
-	40	40	11
blank	20	60	space
.	73	33	12,8,3
)	74	34	12,8,4
$	53	53	11,8,3
*	54	54	11,8,4
,	33	73	0,8,3
(	34	74	0,8,4
=	13	13	8,3
-	14	14	8,4

TABLE XIV

Tape Format for Injun 4 Eight-Second Average File

3-Character Word Numbers	Format	Tape Code	Label	Description	
0	XXX	Octal	BLOCK	Block count of this record	
1	IN4	BCD	ID	Identification word	
2	FFF	BCD	FLG13	Data status flags 1, 2, 3	See Table XI
3	FFF	BCD	FLG46	Data status flags 4, 5, 6	
4	FFF	BCD	FLG79	Data status flags 7, 8, 9	
5	FFF	BCD	FLG02	Data status flags 10, 11, 12	
6	FFF	BCD	FLG35	Data status flags 13, 14, 15	
7	FFF	BCD	FLG68	Data status flags 16, 17, 18	
8	FFF	BCD	FLG91	Data status flags 19, 20, 21	
9	FFF	BCD	FLG24	Data status flags 22, 23, 24	
10	FFF	BCD	FLG57	Data status flags 25, 26, 27	
11	[illegible]	BCD	FLG80	Data status flags 28, 29, 30	
12	FFF	BCD	FAG13	Data status flags 31, 32, 33	

TABLE XIV (Continued) - Tape Format for Injun 4 Eight-Second Average File

3-Character Word Numbers	Format	Tape Code	Label	Description	
13	FFF	BCD	FAG40	Data status flags 34, 35, 36	See Table XI
14	FFF	BCD	FAG79	Data status flags 37, 38, 39	See Table XI
15	FF-	BCD	FAG01	Data status flags 40, 41	See Table XI
16,17	-	BCD	-	Blank	
18,19	-IN4--	BCD	SAT	Satellite identification word	
20	-	BCD	-	Blank	
21	-XX	BCD	STA	Receiving station identification	
22,23	--YRMO	BCD	YRMO	Year, month	U.T. of first data sample (time dictionary)
24,25	--DAHR	BCD	DAHR	Day, hour	U.T. of first data sample (time dictionary)
26,27	--MNSS	BCD	MNSE	Minute, second	U.T. of first data sample (time dictionary)
28,29	--XXXX	BCD	HAC	High order portion of A clock	
30,31	XXXX--	BCD	LAC	Low order portion of A clock	
32,33	--XXXX	BCD	HBC	High order portion of B clock	
34,35	XXXX--	BCD	LBC	Low order portion of B clock	

TABLE XIV (Continued) - Tape Format for Injun 4 Eight-Second Average File

3-Character Word Numbers	Format	Tape Code	Label	Description
36,37 19	--XXXX	BCD	MAGACS	α magnetometer - counts(sec)$^{-1}$
38,39 20	--XXXX	BCD	MAGBCS	β magnetometer - counts(sec)$^{-1}$
40	-XX	BCD	LOCDSA	CdSα low order nondestructive - accumulated counts
41	-XX	BCD	LOCDSB	CdSβ low order nondestructive - accumulated counts
42	-XX	BCD	LOCDSC	CdSγ low order nondestructive - accumulated counts
43	-XX	BCD	LOCDSD	CdSδ low order nondestructive - accumulated counts
44,45	--XXXX	BCD	CDSACS	CdSα counts(sec)$^{-1}$
46,47	--XXXX	BCD	CDSBCS	CdSβ counts(sec)$^{-1}$
48,49	--XXXX	BCD	CDSCCS	CdSγ counts(sec)$^{-1}$
50,51	--XXXX	BCD	CDSDCS	CdSδ counts(sec)$^{-1}$
52,53	XXXXXX	BCD	AC112	112 GM tube - accumulated counts
54,55	XXXXXX	BCD	CS112	112 GM tube - counts(sec)$^{-1}$
56,57	XXXXXX	BCD	AC302	302 GM tube - accumulated counts
58,59	XXXXXX	BCD	CS302	302 GM tube - counts(sec)$^{-1}$

TABLE XIV (Continued) - Tape Format for Injun 4 Eight-Second Average File

3-Character Word Numbers	Format	Tape Code	Label	Description
60,61	XXXXXX31	BCD	ACSPB	SpB-type GM tube - accumulated counts
62,63	XXXXXX32	BCD	CSSPB	SpB-type GM tube - counts(sec)$^{-1}$
64,65	-XXXXX33	BCD	PNAAC1	PN junction α first sample - accumulated counts
66,67	-XXXXX34	BCD	PNAAC2	PN junction α second sample - accumulated counts
68,69	XXXXXX35	BCD	PNAAVE	PN junction α average counts(sec)$^{-1}$ times 10
70,71	-XXXXX36	BCD	PNBAC1	PN junction β first sample - accumulated counts
72,73	-XXXXX37	BCD	PNBAC2	PN junction β second sample - accumulated counts
74,75	XXXXXX38	BCD	PNBAVE	PN junction β average counts(sec)$^{-1}$ times 10
76,77	-XXXXX39	BCD	PNCAC3	PN junction γ first sample - accumulated counts
78,79	-XXXXX40	BCD	PNCAC3	PN junction γ second sample - accumulated counts
80,81	XXXXXX41	BCD	PNCAVE	PN junction γ average counts(sec)$^{-1}$ times 10
82,83	-XXXXX42	BCD	PNDAC4	PN junction δ first sample - accumulated counts
84,85	-XXXXX43	BCD	PNDAC4	PN junction δ second sample - accumulated counts
86,87	XXXXXX44	BCD	PNDAVE	PN junction δ average counts(sec)$^{-1}$ times 10