

DATA SET CATALOG # 79

INJUN II EIGHT SECOND AVERAGE
64-076B 47 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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

INJUN 4

MASTER TAPE, RET. POT. AN RATE
GM COUNTS, TAPE
P-N COUNTS, TAPE
CDS COUNTS, TAPE
SCINTILLATOR COUNTS, TAPE
DELETE MAG DATA

64-076B-02A, 03A, 04A, 05A, 06A,

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY 47
7-TRACK, 800 BPI TAPES, WRITTEN IN BINARY. THERE ARE SIX
RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS
TAPES ARE 9-TRACK, 6250 BPI. THE TAPES WERE CREATED ON AN
IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE
CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR03355	DS03355	D05058	1	02/13/65 - 02/26/65
		D05059	2	02/26/65 - 03/08/65
		D05060	3	03/08/65 - 03/15/65
		D05061	4	03/15/65 - 03/23/65
		D05062	5	03/23/65 - 03/29/65
		D05063	6	03/29/65 - 04/05/65
		D05064	7	04/05/65 - 04/11/65
		D05065	8	04/11/65 - 04/16/65
		D05066	9	04/16/65 - 04/22/65
DR03356	DS03356	D05067	1	04/22/65 - 05/02/65
		D05068	2	05/02/65 - 05/11/65
		D05069	3	05/11/65 - 05/23/65
		D05070	4	05/23/65 - 06/05/65
		D05071	5	06/05/65 - 06/18/65
		D05072	6	06/18/65 - 06/30/65
		D05073	7	06/30/65 - 07/12/65
		D05074	8	07/12/65 - 07/24/65
		D05075	9	07/24/65 - 08/01/65
DR03357	DS03357	D05076	1	08/01/65 - 08/07/65
		D05077	2	08/07/65 - 08/13/65
		D05078	3	08/13/65 - 08/20/65
		D05079	4	08/20/65 - 08/29/65
		D05080	5	08/29/65 - 09/09/65
		D05081	6	09/09/65 - 09/21/65
		D05082	7	09/21/65 - 10/01/65
		D05083	8	10/01/65 - 10/09/65

64-076B-02A, 03A, 04A, 05A, 06A, 07A

DR#	DS#	DD#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR03358	DS03358	D05084	1	10/09/65 - 10/21/65
		D05085	2	10/21/65 - 10/31/65
		D05086	3	10/31/65 - 11/13/65
		D05087	4	11/13/65 - 12/12/65
		D05088	5	12/12/65 - 01/10/66
		D05089	6	01/10/66 - 01/21/66
		D05090	7	01/21/66 - 02/01/66
		D05091	8	02/01/66 - 02/08/66
		D05092	9	02/08/66 - 02/09/66
DR03359	DS03359	D05093	1	02/08/66 - 02/21/66
		D05094	2	02/21/66 - 03/03/66
		D05095	3	03/03/66 - 03/11/66
		D05096	4	03/11/66 - 03/22/66
		D05097	5	03/22/66 - 04/03/66
		D05098	6	04/03/66 - 04/17/66
		D05099	7	04/17/66 - 05/07/66
DR03360	DS03360	D05100	1	05/07/66 - 05/26/66
		D05101	2	05/26/66 - 06/09/66
		D05102	3	06/09/66 - 06/25/66
		D05103	4	06/25/66 - 07/07/66
		D05104	5	07/07/66 - 07/19/66

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, AFRL) 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

FJH.

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	Type Code	Label	Description
0	XXX	Octal	BLOCK	Block count of this record
1	IN4	BCD	ID	Identification word
2	FFF	BCD	FL013	Data status flags 1, 2, 3
3	FFF	BCD	FL046	Data status flags 4, 5, 6
4	FFF	BCD	FL079	Data status flags 7, 8, 9
5	FFF	BCD	FL002	Data status flags 10, 11, 12
6	FFF	BCD	FL035	Data status flags 13, 14, 15
7	FFF	BCD	FL068	Data status flags 16, 17, 18
8	FFF	BCD	FL091	Data status flags 19, 20, 21
9	FFF	BCD	FL024	Data status flags 22, 23, 24
10	FFF	BCD	FL057	Data status flags 25, 26, 27
11	FFF	BCD	FL190	Data status flags 28, 29, 30
12	FFF	BCD	FL113	Data status flags 31, 32, 33

See Table XI

TABLE XIV (Continued) - Tape Format for Injun 4 Eight-8 and Average File

3-Character Word Numbers	Format	Type Code	Label	Description
36, 37 18	--XXXX	BCD	MAGACS	α magnetometer - counts(sec) ⁻¹
38, 39 20	--XXXX	BCD	MAGBCS	β magnetometer - counts(sec) ⁻¹
40	-XX	BCD	LOCISA	CASX low order nondestructive - accumulated counts
41	-XX	BCD	LOCISB	CAS β low order nondestructive - accumulated counts
42	-XX	BCD	LOCISC	CAS γ low order nondestructive - accumulated counts
43	-XX	BCD	LOCISD	CAS δ low order nondestructive - accumulated counts
44, 45	--XXXX	BCD	CISACS	CASX counts(sec) ⁻¹
46, 47	--XXXX	BCD	CISBCS	CAS β counts(sec) ⁻¹
48, 49	--XXXX	BCD	CISCCS	CAS γ counts(sec) ⁻¹
50, 51	--XXXX	BCD	CISDCS	CAS δ counts(sec) ⁻¹
52, 53	XXXXXX 27	BCD	AC112	112 GM tube - accumulated counts
54, 55	XXXXXX 28	BCD	CS112	112 GM tube - counts(sec) ⁻¹
56, 57	XXXXXX 29	BCD	AC302	302 GM tube - accumulated counts
58, 59	XXXXXX 30	BCD	CS302	302 GM tube - counts(sec) ⁻¹

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

3-Character Word Numbers	Form	Type Code	Label	Description
60, 61	XXXXXX 3'	BCD	ACSPB	SnB-type GM tube - accumulated counts
62, 63	XXXXXX 3.2	BCD	CSSPB	SpB-type GM tube - counts(sec) ⁻¹
64, 65	XXXXXX 3'	BCD	PHAC1	PH junction α first sample - accumulated counts
66, 67	XXXXXX 3.2	BCD	PHAC2	PH junction α second sample - accumulated counts
68, 69	XXXXXX 3.5	BCD	PHAVE	PH junction α average counts(sec) ⁻¹ times 10
70, 71	XXXXXX 3'	BCD	PHBAC1	PH junction β first sample - accumulated counts
72, 73	XXXXXX 3.2	BCD	PHBAC2	PH junction β second sample - accumulated counts
74, 75	XXXXXX 3.5	BCD	PHBAVE	PH junction β average counts(sec) ⁻¹ times 10
76, 77	XXXXXX 3.9	BCD	PHCAC3	PH junction γ first sample - accumulated counts
78, 79	XXXXXX 4.2	BCD	PHCAC3	PH junction γ second sample - accumulated counts
80, 81	XXXXXX 4'	BCD	PHCAVE	PH junction γ average counts(sec) ⁻¹ times 10
82, 83	XXXXXX 4.1	BCD	PHDAC4	PH junction δ first sample - accumulated counts
84, 85	XXXXXX 4.5	BCD	PHDAC4	PH junction δ second sample - accumulated counts
86, 87	XXXXXX 4.4	BCD	PHDAVE	PH junction δ average counts(sec) ⁻¹ times 10