

Data Set Catalog #127

ISIS-A Extended World Maps

69-009A-00D

68 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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ISIS 1

EXTENDED WORLD MAPS, TAPE

69-009A-00D

This data set has been restored. There were originally 100 7-track, 556 BPI tapes written in Binary. There are ten restored tapes. The DR tapes are 3480 cartridges and the DS tapes are 9-track, 6250 BPI. The original tapes were created on a 7094 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR03950	DS03950	D06224	1	06/06/69 - 06/20/69
		D06225	2	10/10/69 - 10/24/69
		D06226	3	11/21/69 - 12/05/69
		D06227	4	12/05/69 - 12/19/69 (a)
		D06228	5	12/19/69 - 12/31/69
		D06229	6	01/01/70 - 01/02/70
		D06230	7	01/02/70 - 01/19/70
		D06231	8	01/16/70 - 01/30/70
		D06232	9	01/30/70 - 02/13/70
		D06233	10	02/13/70 - 02/27/70
DR03951	DS03951	D06234	1	02/27/70 - 03/13/70
		D06235	2	03/13/70 - 03/27/70
		D06236	3	03/27/70 - 04/10/70
		D06237	4	04/10/70 - 04/24/70 (b)
		D06238	5	04/24/70 - 05/08/70 (c)
		D06239	6	05/08/70 - 05/22/70
		D06240	7	05/22/70 - 06/05/70
		D06241	8	06/05/70 - 06/19/70 (d)
		D06242	9	06/19/70 - 07/03/70
		D06243	10	07/03/70 - 07/17/70
DR03952	DS03952	D06244	1	07/31/70 - 08/14/70
		D06245	2	08/14/70 - 08/28/70
		D06246	3	08/28/70 - 09/11/70
		D06247	4	09/11/70 - 09/25/70
		D06248	5	09/25/70 - 10/09/70
		D06249	6	10/09/70 - 10/23/70
		D06250	7	10/23/70 - 11/06/70 (e)
		D06251	8	11/06/70 - 11/20/70
		D06252	9	11/20/70 - 12/04/70
		D06253	10	12/04/70 - 12/18/70

DR #	DS #	D #	FILES	TIME SPAN
DR03953	DS03953	D06254	1	12/18/70 - 12/31/70
		D06255	2	01/01/71 - 01/15/71
		D06256	3	01/29/71 - 02/12/71
		D06257	4	02/12/71 - 02/26/71 (f)
		D06258	5	02/26/71 - 03/12/71
		D06259	6	03/12/71 - 03/26/71
		D08069	7	03/26/71 - 04/09/71
		D06260	8	04/23/71 - 05/07/71
		D06263	9	05/07/71 - 05/21/71
		D06430	10	05/21/71 - 06/04/71
DR03954	DS03954	D06431	1	06/04/71 - 06/18/71
		D08070	2	06/18/71 - 07/02/71
		D06825	3	07/02/71 - 07/16/71
		D06826	4	07/16/71 - 07/30/71
		D06844	5	07/30/71 - 08/13/71
		D06855	6	08/13/71 - 08/27/71
		D06856	7	08/27/71 - 09/10/71
		D06899	8	09/10/71 - 09/24/71
		D07071	9	09/24/71 - 10/08/71
		D07058	10	10/08/71 - 10/22/71
DR03955	DS03955	D08071	1	10/22/71 - 11/05/71
		D07113	2	11/05/71 - 11/11/71
		D07114	3	11/11/71 - 11/19/71
		D08072	4	11/19/71 - 12/03/71
		D08073	5	12/03/71 - 12/17/71
		D08074	6	12/17/71 - 12/31/71
		D08081	7	12/31/71 - 01/14/72
		D08137	8	01/14/72 - 01/28/72
		D08138	9	01/28/72 - 02/11/72
		D08139	10	02/11/72 - 02/25/72
DR03956	DS03956	D08685	1	02/25/72 - 03/10/72
		D08802	2	03/26/72 - 04/07/72
		D08798	3	04/07/72 - 04/21/72
		D08799	4	04/21/72 - 05/05/72
		D08838	5	05/05/72 - 05/05/72
		D10359	6	05/19/72 - 06/02/72
		D14002	7	06/02/72 - 06/16/72
		D10236	8	06/16/72 - 06/30/72
		D10247	9	06/30/72 - 07/14/72
		D10360	10	07/14/72 - 07/28/72
DR03957	DS03957	D10445	1	07/28/72 - 08/11/72
		D08828	2	08/11/72 - 08/25/72
		D10788	3	08/25/72 - 09/08/72
		D10823	4	09/08/72 - 09/22/72
		D11060	5	09/22/72 - 10/06/72
		D11061	6	10/06/72 - 10/20/72
		D10976	7	10/20/72 - 11/03/72 (g)
		D11311	8	11/03/72 - 11/17/72
		D11380	9	11/22/72 - 12/06/72 (h)
		D11708	10	12/01/72 - 12/15/72

DR #	DS #	D #	FILES	TIME SPAN
DR03058	DS03958	D11751	1	12/15/72 - 12/29/72
		D11862	2	12/29/72 - 01/12/73
		D11863	3	01/12/73 - 01/26/73
		D11861	4	01/26/73 - 02/09/73
		D12249	5	02/09/73 - 02/23/73
		D12013	6	02/23/73 - 03/09/73
		D12051	7	03/23/73 - 04/06/73
		D12312	8	04/06/73 - 04/20/73
		D12319	9	04/20/73 - 05/04/73
		D12592	10	05/04/73 - 05/18/73
DR03959	DS03959	D13037	1	05/18/73 - 06/01/73 (i)
		D12868	2	06/01/73 - 06/15/73
		D12869	3	06/15/73 - 06/29/73
		D13683	4	07/13/73 - 07/27/73 (j)
		D14003	5	07/27/73 - 08/10/73
		D13738	6	08/10/73 - 08/24/73
		D13749	7	08/24/73 - 09/07/73
		D13750	8	09/07/73 - 09/21/73
		D13803	9	09/21/73 - 10/05/73
		D13804	10	10/05/73 - 10/19/73

- (a) D06227 : Read errors occurred in records 21 & 4675.
 (b) D06237 : Read error occurred in record 955.
 (c) D06238 : Read error occurred in record 23.
 (d) D06241 : Read errors occurred in records 77 & 803.
 (e) D06250 : Read errors occurred in records 1, 3, 15, 17, 28, 34, 47, 55, 61, 65, 68, 73, 74, 85, 87, 94, 95, 113, 126, 127, 153, 160, 179, 192, 203, 218, 220, 245, 271, 297, 309, 323, 440, 492, 551.
 (f) D06257 : Read errors occurred in records 27 & 28.
 (g) D10976 : Read error occurred in record 85.
 (h) D11380 : Read error occurred in record 2691.
 (i) D13037 : Read errors occurred in records 1326 & 1327.
 (j) D13683 : Read error occurred in record 1350.

69-009A-00D

ISIS-A EPHEMERIS

EXTENDED WORLD MAPS

1-11-70

This data set consists of 60, 556 BPI, Binary, 7 track tapes made on the IBM/7094. Each tape has one file of data on it. The end of the file can be recognized by the multiple use of the number 20077777776. The tapes in this data set were made from the originals because the originals did not have EOF's on them. The originals were returned to the experimenter. No duplicates were made.

<u>DE</u>	<u>START</u>	<u>STOP</u>
D-06224	6/06/69	6/20/69
D-06225	10/10/69	10/24/69
D-06226	11/21/69	12/05/69
D-06227	12/05/69	12/19/69
D-06228	12/19/69	12/31/69
D-06229	1/01/70	1/02/70
D-06230	1/02/70	1/19/70
D-06231	1/16/70	1/30/70
D-06232	1/30/70	2/13/70
D-06233	2/13/70	2/27/70
D-06234	2/27/70	3/13/70
D-06235	3/13/70	3/27/70
D-06236	3/27/70	4/10/70
D-06237	4/10/70	4/24/70
D-06238	4/24/70	5/08/70
D-06239	5/08/70	5/22/70
D-06240	5/22/70	6/05/70
D-06241	6/05/70	6/19/70

<u>D#</u>	<u>START</u>	<u>STOP</u>
D-06242	6/19/70	7/03/70
D-06243	7/03/70	7/17/70
D-06244	7/31/70	8/14/70
D-06245	8/14/70	8/28/70
D-06246	8/28/70	9/11/70
D-06247	9/11/70	9/25/70
D-06248	9/25/70	10/09/70
D-06249	10/09/70	10/23/70
D-06250	10/23/70	11/06/70
D-06251	11/06/70	11/20/70
D-06252	11/20/70	12/04/70
D-06253	12/04/70	12/18/70
D-06254	12/18/70	12/31/70
D-06255	1/01/71	1/15/71
D-06256	1/29/71	2/12/71
D-06257	2/12/71	2/26/71
D-06258	2/26/71	3/12/71
D-06259	3/12/71	3/26/71
D-06260	4/23/71	5/07/71
D-06363	5/07/71	5/21/71
D-06430	5/21/71	6/04/71
D-06431	6/04/71	6/18/71
D-06825	7/02/71	7/16/71
D-06826	7/16/71	7/30/71
D-06844	7/30/71	8/13/71
D-06855	8/13/71	8/27/71
D-06856	8/27/71	9/10/71
" 06899	9/10/71	9/24/71

<u>D#</u>	<u>START</u>	<u>STOP</u>
D-07058	10/08/71	10/22/71
D-07071	9/24/71	10/08/71
D-07113	11/05/71	11/11/71
D-07114	11/11/71	11/19/71
D-08069	3/26/71	4/09/71
D-08070	6/18/71	7/02/71
D-08071	10/22/71	11/05/71
D-08072	11/19/71	12/03/71
D-08073	12/03/71	12/17/71
D-08074	12/17/71	12/31/71
D-08081	12/31/71	1/14/72
D-08137	1/14/72	1/28/72
D-08138	1/28/72	2/11/72
D-08139	2/11/72	2/25/72
D-08685	2/25/72	3/10/72
D-08704	3/10/72	3/24/72
D-08802	3/26/72	4/07/72
D-08798	4/07/72	4/21/72
D-08799	4/21/72	5/05/72
D-08838	5/05/72	5/19/72
D-10359	5/19/72	6/02/72
D-10236	6/02/72	6/16/72
D-10247	6/16/72	6/30/72
D-10360	6/30/72	7/14/72
D-10445	7/14/72	7/28/72
D-08828	7/28/72	8/11/72
D-10788	8/11/72	8/25/72
D-10823	8/25/72	9/08/72
D-11060	9/08/72	9/22/72
	9/22/72	10/06/72

A-03022

APPENDIX 6

ISIS-UN1107 AND IS7094 FILE FORMATS UNIVAC 1107 and IBM 7094 Tapes

Each record is an output of 28 words using normal FORTRAN IV output instructions. (The UNIVAC 1107 data records are each 31 words in length.) The Word Position column refers to word position within the 28-word block. For definition of items in the Data Contents column, refer to Appendix 7.

Logical Record Format

Word Position	Data Contents	Word Position	Data Contents
1	First word of IDENT	15	GEOLONG
2	Second word of IDENT	16	DIP
3	Date	17	GYROS
4	Orbit	18	B
5	Julian Date	19	MAGLAT
6	Day of Year	20	L
7	GMTIME	21	B.PA
8	Code for LMSTIME	22	B.DEC
9	LMSTIME	23	INLAT
10	GEOLAT	24	INRAD
11	GEOLONG	25	STA (numerical equiv.)
12	ROT	26	ION (numerical equiv.)
13	CLESPA	27	DIA
14	GEOLAT	28	Type of data item indicator*

*Type of data item indicator:

- if equal to 1, regular satellite data item;
- if equal to 2, ascending node crossing data item;
- if equal to 3, north point data item;
- if equal to 4, descending node data item;
- if equal to 5, south point data item;
- if equal to 6, sunlight entrance data item;
- if equal to 7, sunlight exit data item.

The following page contains sample output, printed on the 1107, from the UN1107 output file generated by the program. Sample output from the IS7094 output file is not contained herein.

<u>DE</u>	<u>START</u>	<u>STOP</u>
D-07058	10/08/71	10/22/71
D-07071	9/24/71	10/08/71
D-07113	11/05/71	11/11/71
D-07114	11/11/71	11/19/71
D-08069	3/26/71	4/09/71
D-08070	6/18/71	7/02/71
D-08071	10/22/71	11/05/71
D-08072	11/19/71	12/03/71
D-08073	12/03/71	12/17/71
D-08074	12/17/71	12/31/71
D-08081	12/31/71	1/24/72
D-08137	1/14/72	1/28/72
D-08138	1/28/72	2/11/72
D-08139	2/11/72	2/25/72
D-08685	2/25/72	3/10/72
D-08764	3/10/72	3/24/72
D-08802	3/26/72	4/07/72
D-08798	4/07/72	4/21/72
D-08799	4/21/72	5/05/72
D-08838	5/05/72	5/19/72
D-10359	5/19/72	6/02/72
D-10360	6/02/72	6/16/72
D-10361	6/16/72	6/30/72
D-10362	6/30/72	7/14/72
D-10363	7/14/72	7/28/72
D-10445	7/28/72	8/11/72
D-08828	8/11/72	8/25/72
D-10788	8/25/72	9/08/72
D-10823	9/08/72	9/22/72
D-11060	9/22/72	10/06/72