

DATA SET CATALOG # 72

Mariner 6
69-014A-030A 1 tapes

Mariner 7
69-030A-03A 1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

MARINER 6

2 CHANNEL IR RADIOMETER DATA

69-014A-03A

PSPG 00438

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 800 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE WRITTEN IN ASCII. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE TIME SPAN COULD NOT BE VERIFIED. THE ORIGINAL TAPE WAS CREATED ON AN IBM 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR006127	DS006127	D001294	1	07/31/69 - 07/31/69

PSPG 00386

MARINER 7

2 CHANNEL IR RADIOMETER DATA

69-030A-03A

This data set has been restored. There was originally one 7-track, 800 BPI tape written in BCD. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 7094 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR004908	DS004908	D001493	1	08/05/69 - 08/05/69

69-014A-03A
MARINER 6
2 Channel IR Radiometer Data

800 BPI, 7-track, BCD, 1 file tape.

<u>D#</u>	<u>C#</u>	<u>DAY</u>	<u>START</u>	<u>STOP</u>
D-01294	C-03521	7/31/69	5 hr. 5min.	5 hr. 26 min.

69-030A-03A
MARINER 7
2 Channel IR Radiometer Data

800 BPI, 7-track, BCD, 1 file tape.

<u>D#</u>	<u>C#</u>	<u>DAY</u>	<u>START</u>	<u>STOP</u>
D-01493	C-03522	8/05/69	4 hr. 42 min.	5 hr. 8 min.

NOTE: Processed tape T-245, which was 9-track with two files of data. One file was Mariner 6 data and the other was Mariner 7 data. Then processed to extract the files separately. By duping them 9-track to 7-track with the Patrick program on 360/75.

69-014A-03A

MARINER 6

69-014A-03A
Tape Format

NAME: Mariner 6-2 Channel IR Radiometer Data

Physical characteristics of tapes:

- Density: 800 bpi, 7 track, 1 file, BCD, IBM 7094, compatible tape created on 360/75.
- Blocking: Fixed-blocked, 2400 characters per physical record, with logical records of 80 characters.
- Labels: The tape is not labeled.
- Files: The tape contains 1 file.

Contents of tape:

Mariner 6 data coverage for July 31, 1969.

Each logical record may be treated as an 80-column card image. There are two basic formats since two temperature measurements occur per real-time frame count.

First Logical Record in Sequence:

Column 1-6	RIFC (16)
7	Blank
8-16	Spacecraft GMT - hours, min., sec. (313)
17	Blank
18-23	T1 (F 6.1 or 3x, A1, 2x)*
24-29	T2 (F 6.1 or 3x, A1, 2x)*
30	Blank

31-36 LAT (F 6.1)
37-42 LONG (F 6.1)
43-49 EN (F 7.1)
50-56 SR (F 7.0)
57-63 IN (F 7.1)
64-70 HRZ (F 7.2)
71-80 Blank

Second card in sequence:

Column 1-17 Blank (17x)
18-23 T1 (F 6.1)
24-29 T2 (F 6.1)
30-80 Blank (51x)

* If the correction for the off axis response exceeds 15 per cent, a dash ('-') appears in column 21 for T1 or column 27 for T2. Data with a dash for both channels are omitted. If no planet temperatures were transmitted at a given time, the temperature field is blank.

RTFC	S/C	GMT	T1	T2	LAT	LONG	EA	SR	IN	HKZ	
	H	M	S								
							<i>BEGIN OF TAPE</i>				
44331	5	5	44	271.1	-	5.8	290.8	72.3	7540.	21.0	22.94
				272.5	-						
44332	5	5	49	272.6	-	5.0	290.1	70.8	7442.	19.5	23.03
				273.7	-						
44333	5	5	53	273.6	-	4.2	293.4	69.2	7345.	18.0	23.12
				274.1	-						
44334	5	5	57	273.0	207.7	3.5	294.0	67.7	7248.	16.4	23.21
44335	5	6	1			2.9	295.0	66.5	7172.	15.3	23.26
				274.1	207.5						
44336	5	6	5	273.0	207.0	2.3	290.8	65.3	7095.	14.1	23.35
				274.1	207.2						
44337	5	6	10	274.0	200.8	1.7	297.9	64.1	7019.	13.0	23.42
				273.7	200.8						
44338	5	6	14	273.6	200.3	1.1	298.5	62.9	6943.	11.9	23.49
				274.0	200.5						
44339	5	6	18	273.7	205.8	0.6	299.0	61.8	6878.	10.9	23.55
				273.6	200.0						
44340	5	6	22	273.0	205.0	0.1	300.7	60.6	6813.	10.0	23.61
				273.8	205.8						
44341	5	6	26	273.7	205.4	-0.3	301.6	59.0	6740.	9.1	23.67
				273.7	205.4						
44342	5	6	31			-0.6	302.5	58.7	6663.	8.2	23.73
				273.5	205.4						
44343	5	6	35	273.4	205.1	-1.2	303.3	57.6	6580.	7.5	23.79
				273.5	205.2						
44344	5	6	39	273.5	205.2	-1.0	304.2	56.9	6509.	6.9	23.85
				273.4	205.1						
44345	5	6	43	273.4	205.1	-2.0	305.0	56.0	6412.	6.2	23.90
				273.4	205.2						
44346	5	6	47	273.4	205.1	-2.5	305.8	55.1	6350.	5.6	23.96
				273.5	205.2						
44347	5	6	52	273.5	205.2	-2.8	306.5	54.2	6294.	5.4	24.01
				273.7	205.0						
44348	5	6	56	273.7	205.0	-3.2	307.3	53.4	6252.	5.2	24.06
				274.0	200.0						
44349	5	7	0	274.0	200.0	-3.6	308.0	52.5	6201.	5.0	24.11
44350	5	7	4			-4.0	308.8	51.7	6149.	4.8	24.16
				274.1	200.3						
44351	5	7	8	274.3	200.5	-4.3	309.5	50.9	6102.	5.1	24.21
				274.7	200.5						
44352	5	7	13	274.7	200.7	-4.6	310.2	50.2	6050.	5.4	24.26
				274.9	200.8						
44353	5	7	17	275.1	207.0	-5.0	310.9	49.4	6009.	5.7	24.31
				275.3	207.2						
44354	5	7	21	275.3	207.2	-5.3	311.6	48.6	5962.	6.0	24.36
				275.3	207.4						
44355	5	7	25	275.4	207.5	-5.6	312.3	47.9	5910.	6.3	24.40
				275.4	207.5						

sh ('-')

both channels

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