DATA SET CATALOG #72

Mariner 6
69-014A-050A 1 tapes

Mariner 7
69-030A-03A 1 tape

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

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

D#	C#	DAY	START	STOP
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.

D#	C#	DAY	START	STOP
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	RTFC (I6)
7	Blank
8-16	Spacecraft GMT - hours, min., sec. (3I3)
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 ED (F7.1)

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 H	M	S	T1	T2	LAT	LONG	EM	SR	EW	NS/Z
						Begin of Tape					
44331	5	5	44	271.1	-	5.8	290.8	72.3	7540.	2.0	22.94
				272.5	-						
44332	5	5	49	272.6	-	5.0	296.1	70.8	7442.	19.5	23.03
				273.7	-						
44333	5	5	53	273.0	-	4.2	293.4	69.2	7345.	18.0	23.12
				274.1	-						
44334	5	5	57	273.0	267.7	3.5	294.6	67.7	7248.	16.4	23.21
44335	5	6	1			2.9	293.0	66.5	7172.	15.3	23.26
				274.1	267.5						
44336	5	6	5	273.8	267.0	2.3	290.8	65.3	7092.	14.1	23.35
				274.1	267.2						
44337	5	6	10	274.0	266.8	1.7	297.9	64.1	7019.	13.0	23.42
				273.7	266.8						
44338	5	6	14	273.8	266.3	1.1	298.9	62.9	6943.	11.9	23.49
				274.0	266.5						
44339	5	6	18	273.7	265.8	0.0	299.6	61.6	6878.	10.9	23.55
				273.8	266.0						
44340	5	6	22	273.6	265.6	0.1	300.7	60.8	6813.	10.0	23.61
				273.8	265.8						
44341	5	6	26	273.7	265.4	-0.3	301.6	59.8	6740.	9.1	23.67
				273.7	265.4						
44342	5	6	31			-0.6	302.5	58.7	6663.	8.2	23.73
				273.5	265.4						
44343	5	6	35	273.4	265.1	-1.2	303.3	57.6	6620.	7.5	23.79
				273.5	265.2						
44344	5	6	39	273.5	265.2	-1.0	304.2	56.9	6559.	6.9	23.85
				273.4	265.1						
44345	5	6	43	273.4	265.1	-2.0	305.0	56.0	6512.	6.2	23.90
				273.4	265.2						
44346	5	6	47	273.4	265.1	-2.3	305.8	55.1	6459.	5.6	23.96
				273.5	265.2						
44347	5	6	52	273.5	265.2	-2.8	306.5	54.2	6404.	5.4	0.01
				273.7	265.6						
44348	5	6	56	273.7	265.0	-3.2	307.3	53.4	6352.	5.2	0.06
				274.0	266.0						
44349	5	7	0	274.0	266.0	-3.6	308.0	52.3	6301.	5.0	0.11
44350	5	7	4			-4.0	308.8	51.7	6249.	4.8	0.16
				274.1	266.3						
44351	5	7	8	274.3	266.5	-4.3	309.5	50.9	6202.	5.1	0.21
				274.7	266.5						
44352	5	7	13	274.7	266.7	-4.6	310.2	50.2	6150.	5.4	0.26
				274.9	266.6						
44353	5	7	17	275.1	267.0	-5.0	310.9	49.4	6104.	5.7	0.31
				275.3	267.2						
44354	5	7	21	275.3	267.2	-5.3	311.6	48.6	6052.	6.0	0.35
				275.3	267.4						
44355	5	7	25	275.4	267.5	-5.6	312.3	47.9	6010.	6.6	0.40
				275.4	267.5						

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