#331

MARINER 10

INFRARED RADIOMETER EXPERIMENT

73-085A-06A

MARINER 10

IR RAD. DATA OF MERCURY ON TAPE

73-085A-06A

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 370 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
DR005434	DS005434	D022835	1 - 2	03/29/74 - 03/29/74

REQ. AGENT	RAND NO.	ACQ. AGENT
WTJ	RC5253	JCL

MARINER 10

INFRARED RADIOMETER EXPERIMENT

73-085A-06A

This data set consists of one Infrared Radiometer Experiment tape that was created on an IBM 370. The tape is 1600 BPI, EBCDIC, 9 track and contains 2 files of data, File 1 contains data from the Mercury Forward Pass and File 2 contains data from the Mercury AFT Pass.

D#	C#	FILES	TIME SPAN
D-22835	C-17438	2	3/29/74
			20 HR 30 MIN TO 20 HR 56 MIN

MVM '73 RDR on magnetic tape: Infrared Radiometer Experiment

Physical characteristics of the tape:

9 track

Density = 1600 bits-per-inch

Record format = Fixed (F)

Blocksize = 92 8-bit characters

Tape character code = Extended Binary Coded Decimal Interchange Code (EBCDIC)

Number of files = 2

This tape was created on an IBM 370-158 computer.

File 1 contains data from the Mercury forward pass. File 2 contains data from the Mercury aft pass. Only data with limb angles $\leq$-3.5 degrees and with $|1.00-\text{FOVC}| \leq 0.10$ are included on this RDR tape. The last entry, immediately preceding the end-of-file mark, in each file contains the S/C GMT time $99^h 99^m 99.9^s$ to signal the end of the file.

Character No.	Format	Content
1	1X	Blank
2- 4	I3	S/C GMT hours of day for day No.88 in year 1974 (3/29/74)
5- 7	I3	S/C GMT minutes of hour
8-12	F5.1	S/C GMT seconds of minute
13-19	F7.2	Latitude on Mercury in degrees
20-26	F7.2	Longitude on Mercury in degrees
27-32	F6.2	Local time on Mercury in hours
33-38	F6.2	Emission angle in degrees
39-44	F6.0	Slant range to Mercury in kilometers
45-51	F7.2	Limb angle in degrees
52	1X	Blank
53-58	F6.2	Field of view correction (FOVC) for Channel 1
59-64	F6.2	Field of view correction (FOVC) for Channel 2
65-71	F7.1	Net corrected data number for Channel 1
72-78	F7.1	Net corrected data number for Channel 2
79-85	F7.2	Brightness temperature for Channel 1 in degrees Kelvin *
86-92	F7.2	Brightness temperature for Channel 2 in degrees Kelvin *

* -99.00 means measurement off scale (bottom) or measurement was removed because $|1.00 - \text{FOVC}| > 0.10$.

999.00 means measurement off scale (top). If the temperature is off scale the corresponding net corrected data number is not valid.

D-22835

3/29/74

20 hr 30 min 30 sec to 20 hr 56 min 8 sec

RECORD 1 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F3F040  F3F54BF9  4060F2F1  4BF3F440  F3F5F14B  F7F440F1  F94BF1F8  40F1F34B  F3F840F8
F4F0F34B  4060F1F0  4BF0F540  4040F04B  F1F24040  F04BF9F0  40404040  F04BF140  40F1F3F1  4BF54060
F9F94BF0  F040F1F2  F64BF9F5
```

RECORD 2 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F3F040  F3F74BF1  4060F2F1  4BF3F440  F3F5F14B  F6F340F1  F94BF1F9  40F1F34B  F2F740F8
F3F9F04B  4060F1F0  4BF0F940  4040F04B  F1F24040  F04BF9F0  40404040  F04BF140  40F1F2F9  4BF94060
F9F94BF0  F040F1F2  F64BF4F2
```

RECORD 3 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F3F040  F4F44BF3  4060F2F1  4BF3F340  F3F5F04B  F9F240F1  F94BF2F4  40F1F24B  F6F240F8
F3F1F14B  4060F1F0  4BF3F040  4040F04B  F1F24040  F04BF9F1  40404040  F04BF140  40F1F3F1  4BF54060
F9F94BF0  F040F1F2  F64BF9F4
```

RECORD 4 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F3F040  F4F54BF5  4060F2F1  4BF3F240  F3F5F04B  F8F140F1  F94BF2F5  40F1F24B  F5F140F8
F2F9F84B  4060F1F0  4BF3F440  4040F04B  F1F24040  F04BF9F1  40404040  F04BF140  40F1F3F1  4BF54060
F9F94BF0  F040F1F2  F64BF9F4
```

RECORD 5 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F3F040  F4F64BF7  4060F2F1  4BF3F240  F3F5F04B  F6F940F1  F94BF2F5  40F1F24B  F4F040F8
F2F8F54B  4060F1F0  4BF3F840  4040F04B  F1F24040  F04BF9F1  40404040  F04BF140  40F1F3F0  4BF64060
F9F94BF0  F040F1F2  F64BF6F5
```

RECORD 532 OF FILE 1
LENGTH = 92 BYTES

```
4040F2F0  40F4F340  40F14BF1  404060F3  4BF8F640  F2F7F14B  F2F14040  F04BF5F5  40F6F54B  F4F040F2
F2F5F54B  404060F3  4BF7F040  4040F04B  F9F94040  F14BF0F2  40404040  F04BF040  4040F4F8  4BF84060
F9F94BF0  F040F0F9  F44BF5F2
```

RECORD 533 OF FILE 1
LENGTH = 92 BYTES

4040F2F0	40F4F340	40F24BF3	404060F3	4BF7F740	F2F7F04B	F9F64040	F04BF5F7	40F6F54B	F6F640F2
F2F5F24B	404060F3	4BF6F340	4040F04B	F9F94040	F14BF0F1	40404040	F04BF040	4040F4F8	4BF74060
F9F94BF0	F04040F9	F44BF5F0							

RECORD 534 OF FILE 1
LENGTH = 92 BYTES

4040F2F0	40F4F340	40F34BF5	404060F3	4BF6F840	F2F7F04B	F7F24040	F04BF5F9	40F6F54B	F9F240F2
F2F5F04B	404060F3	4BF5F640	4040F04B	F9F84040	F14BF0F1	40404040	F04BF040	4040F4F7	4BF74060
F9F94BF0	F04040F9	F34BF9F5							

RECORD 535 OF FILE 1
LENGTH = 92 BYTES

20 43 4:7

4040F2F0	40F4F340	40F44BF7	404060F3	4BF5F840	F2F7F04B	F4F74040	F04BF6F0	40F6F74B	F1F940F2
F2F4F84B	404060F3	4BF5F040	4040F04B	F9F84040	F14BF0F1	40404040	F04BF040	4040F4F7	4BF64060
F9F94BF0	F04040F9	F34BF9F0							

RECORD 536 OF FILE 1
LENGTH = 92 BYTES

4040F9F9	40F9F940	F9F94BF9	40404040	40404040	40404040	40404040	40404040	40404040	40404040
40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
40404040	40404040	40404040							

536 RECORDS IN FILE 1 OF TAPE

RECORD 1 OF FILE 2
LENGTH = 92 BYTES

20 46 40:7

4040F2F0	40F4F640	F4F04BF7	404060F9	4BF9F740	F2F8F74B	F5F740F2	F34BF4F6	40F7F04B	F9F140F1
F3F4F74B	404060F3	4BF7F140	4040F14B	F0F54040	F14BF0F3	40404040	F04BF040	4040F5F9	4BF94060
F9F94BF0	F040F1F0	F44BF3F6							

RECORD 2 OF FILE 2
LENGTH = 92 BYTES

4040F2F0	40F4F640	F4F14BF9	404060F9	4BF7F640	F2F8F64B	F9F640F2	F34BF5F0	40F7F04B	F2F740F1
F3F3F24B	404060F3	4BF9F540	4040F14B	F0F44040	F14BF0F2	40404040	F04BF040	4040F5F9	4BF74060
F9F94BF0	F040F1F0	F44BF2F7							

RECORD 3 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F4F640  F4F34BF1  404060F9  4BF5F640  F2F8F64B  F3F640F2  F34BF5F4  40F6F94B  F6F540F1
F3F1F74B  404060F4  4BF1F940  4040F14B  F0F44040  F14BF0F2  40404040  F04BF040  4040F5F8  4BF54060
F9F94BF0  F040F1F0  F34BF7F4
```

RECORD 4 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F4F640  F5F04BF3  404060F8  4BF4F340  F2F8F34B  F1F140F2  F34BF7F6  40F6F64B  F2F440F1
F2F4F14B  404060F5  4BF6F140  4040F14B  F0F24040  F14BF0F1  40404040  F04BF040  4040F5F3  4BF74060
F9F94BF0  F040F1F0  F14BF6F4
```

RECORD 5 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F4F640  F5F14BF5  404060F8  4BF2F540  F2F8F24B  F6F140F2  F34BF7F9  40F6F54B  F7F140F1
F2F3F14B  404060F5  4BF8F440  4040F14B  F0F24040  F14BF0F1  40404040  F04BF040  4040F6F3  4BF64060
F9F94BF0  F040F1F0  F14BF6F1
```

RECORD 367 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F5F640  40F44BF7  4040F2F0  4BF7F340  F1F6F24B  F1F14040  F74BF8F3  40F5F54B  F3F840F5
F1F7F14B  404060F3  4BF8F140  4040F14B  F0F74040  F14BF0F4  4040F2F5  F34BF840  F1F0F4F3  4BF240F4
F2F14BF1  F340F9F9  F94BF0F0
```

RECORD 368 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F5F640  40F54BF9  4040F2F0  4BF7F040  F1F6F14B  F7F34040  F74BF8F6  40F5F54B  F7F440F5
F1F9F34B  404060F3  4BF7F340  4040F14B  F0F74040  F14BF0F4  4040F2F5  F54BF140  F1F0F4F3  4BF240F4
F2F14BF7  F940F9F9  F94BF0F0
```

RECORD 369 OF FILE 2
LENGTH = 92 BYTES

```
4040F2F0  40F5F640  40F74BF1  4040F2F0  4BF6F740  F1F6F14B  F3F34040  F74BF8F8  40F5F54B  F1F040F5
F2F1F54B  404060F3  4BF6F540  4040F14B  F0F74040  F14BF0F4  4040F2F5  F84BF640  F1F0F4F4  4BF240F4
F2F34BF5  F140F9F9  F94BF0F0
```

```
                                        RECORD    370  OF FILE    2
                                        LENGTH =       92  BYTES

     20      56      8 3
  4040F2F0  40F5F640  40F84BF3  4040F2F0  4BF6F440  F1F6F04B  F9F44040  F74BF9F1  40F5F64B  F4F640F5
  F2F3F74B  404060F3  4BF5F740  4040F14B  F0F74040  F14BF0F4  4040F2F6  F14BF040  F1F0F4F5  4BF240F4
  F2F44BF6  F840F9F9  F94BF0F0

                                        RECORD    371  OF FILE    2
                                        LENGTH =       92  BYTES

  4040F9F9  40F9F940  F9F94BF9  40404040  40404040  40404040  40404040  40404040  40404040  40404040
  40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
  40404040  40404040  40404040

                                          371 RECORDS IN FILE    2 OF TAPE

IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I    SYS76012.T084258.RV000.YZJRJTJ1.LODMOD        PASSED
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76012.T084258.RV000.YZJRJTJ1.S0001140      SYSIN
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76012.T084258.RV000.YZJRJTJ1.S0001140      DELETED
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76012.T084258.SV000.YZJRJTJ1.R0001136      SYSOUT
IEF285I    VOL SER NOS= K3SCR5.
IEF285I    SYS76012.T084258.SV000.YZJRJTJ1.R0001137      DELETED
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76012.T084258.SV000.YZJRJTJ1.R0001138      DELETED
IEF285I    VOL SER NOS= K3SCR4.
IEF285I    SYS76012.T084258.RV000.YZJRJTJ1.R0001139      KEPT
IEF285I    VOL SER NOS= JJ0102.
IEF280E K 0D3.JJ0102.YZJRJTJ1.GO
IEF373I STEP /GO       / START 76012.1839
IEF374I STEP /GO       / STOP  76012.1841 CPU    0MIN 04.44SEC MAIN 186K LCS    0K
- STEP 03 -      RETURN CODE = 0000                                  STEP TIME =      .40 MINS=(CPU=      .07,IO=      .33)
                                        IO IN SECS. DISK=    1.45,DRUM=      .44,TAPE=    18.35,CELL=      .00,OTHR=      .11
IEF285I    SYS76012.T084258.RV000.YZJRJTJ1.LODMOD        DELETED
IEF285I    VOL SER NOS= K3SCR3.
IEF375I  JOB /YZJRJTJ1/ START 76012.1826
IEF376I  JOB /YZJRJTJ1/ STOP  76012.1841 CPU    0MIN 09.75SEC
-  SYSTEM=MVT-21 (11-21-73)   K3                                                    TIME=18.41.56.71 DATE=01-12-76
- JOB 0379-                                                      TOTAL TIME =      .99 MINS=(CPU=      .16,IO=      .83)
                                        IO IN SECS. DISK=   12.30,DRUM=     1.22,TAPE=    36.67,CELL=      .00,OTHR=      .34
 THERE WERE 03 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.
```