DATA SET CATALOG #114

Mariner 6 & 7 Surface T.V. Camera Data

69-014A-01J	2	tapes
69-014A-01K	2	tapes
69-014A-01L	4	tapes
69-030A-01J	3	tapes
69-030A-01K	3	tapes
69-030A-01L	7	tapes

5/3/71

MARINER 6 & 7

SURFACE TV CAMERA DATA

69-014A-01J,K,&L
69-030A-01J,K,&L

This catalog consists of 3 Mariner 6 and 3 Mariner 7 data sets. The tapes in these data sets are 800 bpi, 7-track, binary. They were created on an IBM 360 computer.

The tapes contain between 5 and 14 data files. Each file of the tapes consists of a single TV picture with each physical record containing one line of the picture. The first two or three records of each file are EBCDIC label records. Each of these label records of five 72-byte logical records contain such information as the number of lines and samples in the picture, viewing information, and a history of the computer processing to which the picture has been subjected.

Along with a partial dump of each tape is a list of what is contained in each label record of the tapes. This catalog also contains a sample End-of-File Parity Check for one of the tapes.

MARINER 6 & 7

SURFACE TV CAMERA DATA

D#	C#	ID	JPL ID	FILES	TIME SPAN
D-5709	C-4930	69-014A-01J	6N1-13	13	07/31/69
D-5710	C-4931	69-014A-01J	6N14-25	12	07/31/69
D-5711	C-4932	69-014A-01K	6N1-13	13	07/31/69
D-5712	C-4933	69-014A-01K	6N14-25	12	07/31/69
D-5713	C-4934	69-014A-01L	6F1-14	14	07/29/69
D-5714	C-4935	69-014A-01L	6F15-28	14	07/29/69
D-5715	C-4936	69-014A-01L	6F29-42	14	07/29/69
D-5716	C-4949	69-014A-01L	6F43-49	7	07/29/69
D-5716	C-4949	69-030A-01L	7F1-7	7	08/02/69
D-5717	C-4937	69-030A-01J	7N1-13	13	08/05/69
D-5718	C-4938	69-030A-01J	7N14-26	13	08/05/69
D-5719	C-4939	69-030A-01J	7N27-32	6	08/05/69
D-5720	C-4940	69-030A-01K	7N1-13	13	08/05/69
D-5721	C-4941	69-030A-01K	7N14-26	13	08/05/69
D-5722	C-4942	69-030A-01K	7N27-31	5	08/05/69
D-5723	C-4943	69-030A-01L	7F22-36	14	08/02/69 - 08/03/69
D-5724	C-4944	69-030A-01L	7F8-21	14	08/02/69
D-5725	C-4945	69-030A-01L	7F37-50	14	08/03/69
D-5726	C-4946	69-030A-01L	7F51-64	14	08/03/69
D-5727	C-4947	69-030A-01L	7F65-79	14	08/04/69
D-5728	C-4948	69-030A-01L	7F80-93	14	08/04/69

MARINER-MARS 1969 DIGITAL DATA

Format and specifications for the digital tapes of Mariner-Mars 1969 television data are:

7-track tape written on IBM 2400 series tape drive.

800 bits/inch

Odd parity

Data converter ON

Translator OFF

Each file contains a single TV picture. The first two or three records of each file are the label records. Each label record, written in EBCDIC, contains five 72-byte (8 bits/byte) logical records and provides information about the picture in that file. Bytes 33 through 36 and 37 through 40 of the first label record contain the number of lines and samples in the picture; and succeeding records contain additional information about picture identification, viewing parameters, and a history of the computer processing to which the picture has been subjected. The last EBCDIC label record, immediately preceding the television data, contains an "L" in the byte 72 of the fifth logical record. An example of the data in a label record is shown below:

```
        NL= 775 NS= 960
 6F16   7/29/69 14.43.36 B CAMERA  BOT   GAIN 1.0                    1 C
        PHASE ANGLE 22   CENTRAL LONGITUDE 125 E                     1 C
        RANGE 1,004,292 KM                                           1 C
STRETCH - STRETCH - GEOM - *NORING - *NOISREM - *DIFFPIC             1HC
BAND - DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3          1HC
LMICOR                                                               1HL
```

Following the final label record is the numerical television data. Each record, written in binary, contains a single line of television data; and each 8-bit byte corresponds to one picture element of that line. The first tape image (7-track tape) contains the six most significant bits of the first byte (picture element) and a parity bit. The second tape image contains the two least significant bits of the first byte, the four most significant bits of the second byte, and a parity bit. Similarly, the third and fourth tape images contain the last four bits of the second byte and the entire third byte. In this way, three bytes are packed into four tape images. Each tape is terminated by a double end-of-file mark. If you have any questions, please feel free to call or write Andy Collins, at the Jet Propulsion Laboratory, 213 354-5384.

MCA 6N1-13
MAX DISC
C5-04A-01J

D-5705

LIST OF TAPE 1

FILE 2
SYSTEM LABEL NL = 775 NS = 990
6N1 7/31/69 05.05.03 A CAMERA WIDE GAIN 1.0
APPROX. HEIGHT ALONG LEFT EDGE 1289 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
SPKPIX - FILTER - GEOM - GEOM3

FILE 3
SYSTEM LABEL NL = 775 NS = 990
6N2 7/31/69 05.05.50 A CAMERA TOP GAIN 1.0
PHASE ANGLE 52 SOLAR ZENITH ANGLE 19
APPROX. WIDTH 552 KM HEIGHT 151 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
FILTER - GEOM - GEOM3

FILE 3
SYSTEM LABEL NL = 775 NS = 990
6N3 7/31/69 05.06.32 A CAMERA GRN2 GAIN 1.0
APPROX. HEIGHT ALONG LEFT EDGE 1138 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
SPKPIX - FILTER - GEOM - GEOM3

FILE 4
SYSTEM LABEL NL = 775 NS = 990
6N4 7/31/69 05.07.14 A CAMERA BOT GAIN 1.0
PHASE ANGLE 52 SOLAR ZENITH ANGLE 06
APPROX. WIDTH 229 KM HEIGHT 174 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
FILTER - GEOM - GEOM3

FILE 5
SYSTEM LABEL NL = 775 NS = 990
6N5 7/31/69 05.07.57 A CAMERA RED GAIN 1.0
PHASE ANGLE 51 SOLAR ZENITH ANGLE 11
APPROX. WIDTH 2277 KM HEIGHT 1125 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
SPKPIX - FILTER - GEOM - GEOM3

FILE 6
SYSTEM LABEL NL = 775 NS = 990
6N6 7/31/69 05.08.39 A CAMERA TOP GAIN 1.0
PHASE ANGLE 52 SOLAR ZENITH ANGLE 17
APPROX. WIDTH 1[illegible] KM HEIGHT 106 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
FILTER - GEOM - GEOM3

FILE 7
SYSTEM LABEL NL = 775 NS = 990
6N7 7/31/69 05.09.21 A CAMERA GRN1 GAIN 1.0
PHASE ANGLE 51 SOLAR ZENITH ANGLE 24
APPROX. WIDTH 1414 KM HEIGHT 993 KM
*NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
SPKPIX - FILTER - GEOM - GEOM3

```
FILE  8
SYSTEM LABEL      NL = 775     NS = 999
          6N8  7/31/69  05.10.03  A CAMERA  BOT  GAIN 1.0
               PHASE ANGLE 52  SOLAR ZENITH ANGLE 29
               APPROX.  WIDTH 128 KM  HEIGHT 97 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
          FILTER - GEOM - GEOM3

FILE  9
SYSTEM LABEL      NL = 775     NS = 999
          6N9  7/31/69  05.10.46  A CAMERA  BLUE  GAIN 1.0
               PHASE ANGLE 51  SOLAR ZENITH ANGLE 41
               APPROX.  WIDTH 1430 KM  HEIGHT 1228 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
          SPKPIX - FILTER - GEOM - GEOM3

FILE 10
SYSTEM LABEL      NL = 775     NS = 999
          6N10 7/31/69  05.11.29  A CAMERA  TOP  GAIN 1.0
               PHASE ANGLE 52  SOLAR ZENITH ANGLE 46
               APPROX.  WIDTH 121 KM  HEIGHT 119 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
          FILTER - GEOM - GEOM3

FILE 11
SYSTEM LABEL      NL = 775     NS = 999
          6N11 7/31/69  05.12.10  A CAMERA  GRN2  GAIN 1.0
               PHASE ANGLE 51  SOLAR ZENITH ANGLE 51
               APPROX.  WIDTH 1202 KM  HEIGHT 1151 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
          SPKPIX - FILTER - GEOM - GEOM3

FILE 12
SYSTEM LABEL      NL = 775     NS = 999
          6N12 7/31/69  05.12.52  A CAMERA  BOT  GAIN 1.0
               PHASE ANGLE 52  SOLAR ZENITH ANGLE 56
               APPROX.  WIDTH 108 KM  HEIGHT 114 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SPKPIX
          FILTER - GEOM - GEOM3

FILE 13
SYSTEM LABEL      NL = 775     NS = 999
          6N13 7/31/69  05.13.35  A CAMERA  RED  GAIN 1.0
               PHASE ANGLE 51  SOLAR ZENITH ANGLE 61
               APPROX.  WIDTH 1107 KM  HEIGHT 1139 KM
          *NORING - *NOISREM - *DIFFPIC - DESTREAK - DESPIKE - SAR
          SPKPIX - FILTER - GEOM - GEOM3

 EOT  ENCOUNTERED
```

MARCNet 6 35709

FILE 0001 REC 0001 CH 0480

0001	200401002004	010020040100	200401002004	010020040100	200401002004	01002004
0049	201747717634	010020040100	200401002004	010020040100	200401002004	01002004
0097	201733257424	010075660763	742607667624	010074172513	741725137417	41002014
0145	647623052004	030760344725	201705137404	010020040100	200401002004	01002004
0193	200401002004	010060353727	563533472264	010062142711	617443432014	07236555
0241	612403617457	437120151324	200401002004	010020040100	200401002004	01002004
0289	271527266634	472561540140	200563256554	474266342724	200601002714	23116154
0337	663427016444	014620142335	705537116454	250030040342	603545002004	01002004
0385	705537226574	474720060100	615447237074	273120060100	617427266504	01402014
0433	200401002004	010020040100	200401002004	010020040100	200401002004	01002004

FILE 0001 REC 0002 CH 1232

0001	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0049	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0097	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0145	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0193	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0241	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0289	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0337	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0385	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0433	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0481	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0529	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0577	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0625	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0673	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0721	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0769	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0817	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0865	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0913	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0961	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1009	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1057	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1105	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1153	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1201	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1249	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1297	000000000000	000000000000	000000000000	000000000000	000000000000	00000000

FILE 0001 REC 0003 CH 1232

0001	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0049	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0097	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0145	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0193	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0241	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0289	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0337	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0385	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0433	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0481	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0529	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0577	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0625	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0673	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0721	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0769	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0817	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0865	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0913	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
0961	000000000000	000000000000	000000000000	000000000000	000000000000	00000000
1009	000000000000	000000000000	000000000000	000000000000	000000000000	00000000

MACINEX 6 [illegible] 1/4/71

20040100	200401002004	010020040100	200401002004	010020040100	742401002017	050075773765
20040100	200401002004	010020040100	200401002004	010020040100	200401002004	010020040398
75660763	742607667624	010074172513	741725137417	410020140500	607407246135	470120040302
60344723	201705137404	010020040100	200401002004	010020040100	200401002004	010074240303
60353727	563533472264	010062142711	617443433014	072365552707	201517056156	150061342307
20151324	200401002004	010020040100	200401002004	010020040100	200401002004	010074240303
61640140	200563256554	474266342724	200601002714	231161543327	623415003004	030461361343
20142335	705537116454	250030040342	603545002004	010020040100	200401002004	010074344303
20060100	615447237074	273120060100	617427266504	014020143705	655523632004	010020040100
20040100	200401002004	010020040100	200401002004	010020040100	200401002004	010074344323
000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
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FILE 0001 REC 0003 CH 1332

1057	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1105	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1153	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1201	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1249	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1297	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000

FILE 0001 REC 0004 CH 1332

0001	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0049	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0097	0000000000000	0000000000000	0000001100000	0000000000000	0000000000000	0000000
0145	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0193	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0241	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0289	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0337	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0385	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0433	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0481	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0529	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0577	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0625	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0673	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0721	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0769	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0817	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0865	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0913	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0961	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1009	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1057	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1105	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1153	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1201	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1249	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1297	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000

FILE 0001 REC 0005 CH 1332

0001	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0049	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0097	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0145	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0193	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0241	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0289	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0337	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0385	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0433	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0481	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
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0577	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0625	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0673	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0721	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
0769	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
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0865	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
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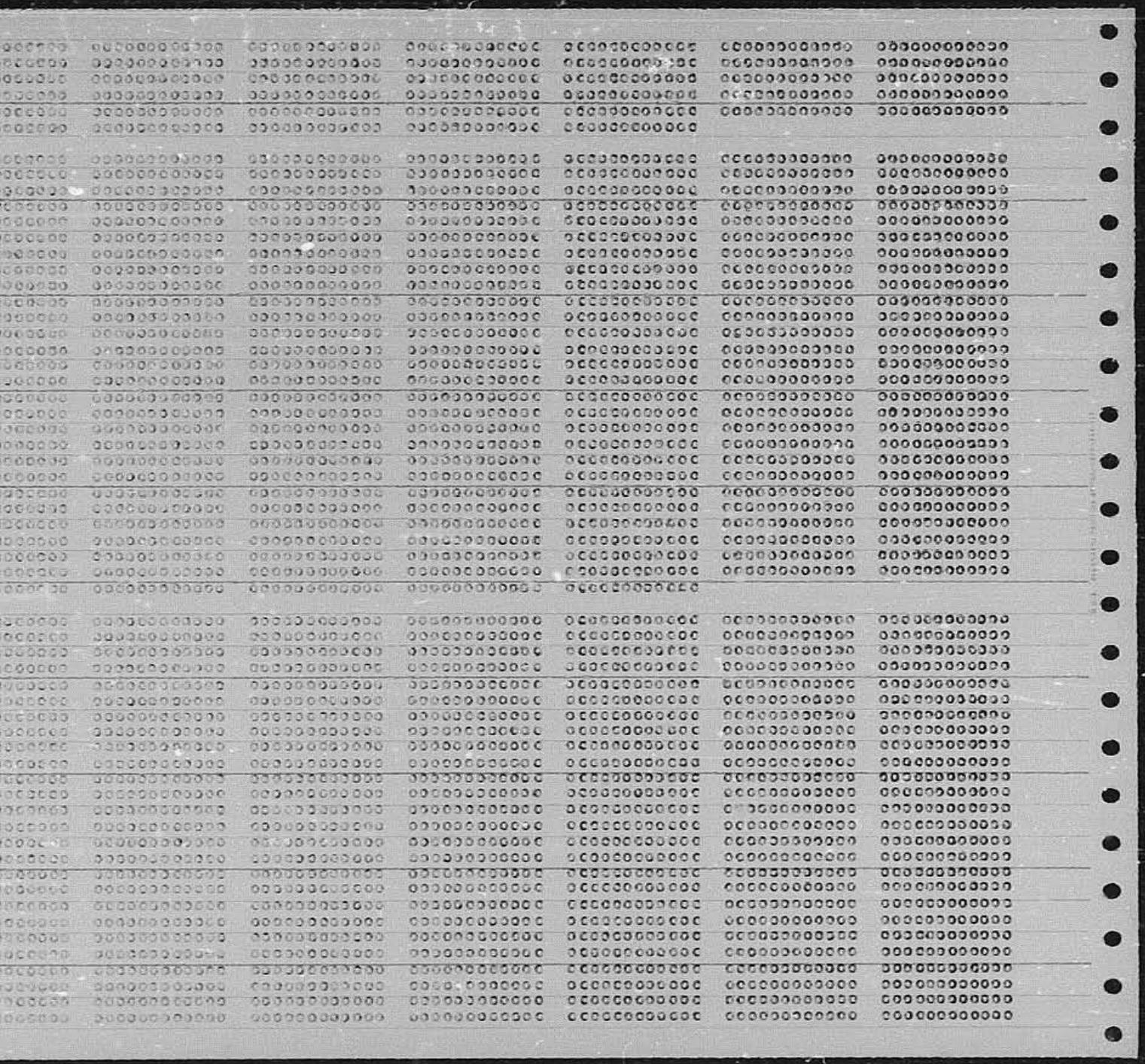
1009	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1057	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1105	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1153	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000
1201	0000000000000	0000000000000	0000000000000	0000000000000	0000000000000	0000000



LIST OF TAPE 1

L

D-5713

FILE 1
SYSTEM LABEL NL = 775 NS = 960
6F1 7/29/69 05.28.46 B CAMERA BOT GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 260 E
RANGE 1,244,222 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

FILE 2
SYSTEM LABEL NL = 775 NS = 960
6F2 7/29/69 06.05.25 B CAMERA BOT GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 251 E
RANGE 1,228,369 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

FILE 3
SYSTEM LABEL NL = 775 NS = 960
6F3 7/29/69 06.42.01 B CAMERA BOT GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 243 E
RANGE 1,212,556 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

FILE 4
SYSTEM LABEL NL = 775 NS = 960
6F4 7/29/69 07.18.38 B CAMERA BOT GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 234 E
RANGE 1,196,725 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

FILE 5
SYSTEM LABEL NL = 775 NS = 960
6F5 7/29/69 07.56.37 B CAMERA TOP GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 224 E
RANGE 1,180,282 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

FILE 6
SYSTEM LABEL NL = 775 NS = 960
6F6 7/29/69 08.33.16 B CAMERA TOP GAIN 1.0
PHASE ANGLE 22 CENTRAL LONGITUDE 215 E
RANGE 1,164,449 KM
STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
LMICOR

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FILE 7
SYSTEM LABEL      NL = 775     NS = 960
        6F7   7/29/69 09.09.42 B CAMERA  TOP   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 207 E
              RANGE 1,148,616 KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 8
SYSTEM LABEL      NL = 775     NS = 960
        6F8   7/29/69 09.46.27 B CAMERA  TOP   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 198 E
              RANGE 1,132,783 KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 9
SYSTEM LABEL      NL = 775     NS = 960
        6F9   7/29/69 10.24.30 B CAMERA  BOT   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 188 E
              RANGE 1,116,342 KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 10
SYSTEM LABEL      NL = 775     NS = 960
        6F10  7/29/69 11.01.07 B CAMERA  BOT   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 179 E
              RANGE 1,100,[illegible] KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 11
SYSTEM LABEL      NL = 775     NS = 960
        6F11  7/29/69 11.39.46 B CAMERA  BOT   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 170 E
              RANGE 1,083,791 KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 12
SYSTEM LABEL      NL = 775     NS = 960
        6F12  7/29/69 12.15.45 B CAMERA  TOP   GAIN 1.0
              PHASE ANGLE 22   CENTRAL LONGITUDE 161 E
              RANGE 1,068,233 KM
        STRETCH - STRETCH - *NORING - *NOISREM - *DIFFPIC - BAND
        DESTREAK - DESPIKE - DIFFPIC - SPKPIX - GEOM - GEOM3
        LMICOR

FILE 13
SYSTEM LABEL      NL = 775     NS = 960
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