#340

APOLLO 12, 14, 15 + 16
LARGE METEOROID IMPACTS,
HIGH FREQUENCY TELESEISMS, AND
SELECTED MOONQUAKE EVENTS
69-099C-03R, S + T
71-008C-04R, S + T
71-063C-01R, S + T
72-031C-01R, S + T

APOLLO 12 LM/ALSEP

LARGE METEOROID IMPACTS ON TAPE

69-099C-03R

This data set has been restored. There were originally seven 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005510	DS005510	D022528	1	04/13/71 - 07/27/71 (a)
		D022529	2	10/20/71 - 01/04/72 (b)
		D022530	3	05/11/72 - 08/29/72 (c)
		D022531	4	08/29/72 - 07/04/73
		D022532	5	07/20/73 - 04/19/74
		D022533	6	05/24/74 - 11/21/74
		D022534	7	11/27/74 - 05/04/75 (d)

- (a) D022528: Read errors occurred in records 279,280,402,411,415, 420, & 426 of file 1.
- (b) D022529: Read errors occurred in records 77,117,249,291,331, 344,352,387,425,429, & 436 of file 1.
- (c) D022530: Read errors occurred in records 281,294, & 315 of file 1.
- (d) D022534: Read errors occurred in records 72, & 234 of file 1.

REQ. AGNET	RAND NO.	ACQ. AGENT
MLR VJP	RC5023	RWV

APOLLO 12, 14, 15 + 16

LARGE METEOROID IMPACTS,

HIGH FREQUENCY TELESEISMS, AND

SELECTED MOONQUAKE EVENTS

69-099C-03R, S + T

71-008C-04R, S + T

71-063C-01R, S + T

72-031C-01R, S + T

This data set catalog consists of 12 Apollo Data sets with a total of 33 tapes. The tapes are 7 track, 800, Bin with 1 file each. The tapes were created on an IBM 360 computer.

Data set and time spans as follows.

LARGE METEOROID IMPACTS

APOLLO 12 69-099C-03R

D#	C#	TIME SPAN
D-22528	C-17585	4/13/71 - 7/27/71
D-22529	C-17586	10/20/71 - 1/04/72
D-22530	C-17587	5/11/72 - 8/29/72
D-22531	C-17588	8/29/72 - 7/04/73
D-22532	C-17589	7/20/73 - 4/19/74
D-22533	C-17801	5/24/74 - 11/21/74
D-22534	C-17590	11/27/74 - 5/04/75
APOLLO 14 71-008C-04R		
D-22535	C-17594	4/13/71 - 1/04/72
D-22536	C-17595	5/11/72 - 8/29/72
D-22537	C-17596	8/29/72 - 7/04/73
D-22538	C-17597	7/20/73 - 4/19/74

(APOLLO 14 CONT)

D#	C#	TIME SPAN
D-22539	C-17598	5/24/74 - 11/21/74
D-22540	C-17802	11/27/74 - 5/04/75
APOLLO 15 71-063C-01R		
D-22541	C-17674	10/20/71 - 1/04/72
D-22542	C-17601	5/11/72 - 8/29/72
D-22543	C-17602	8/29/72 - 7/04/73
D-22544	C-17603	7/20/73 - 4/19/74
D-22545	C-17604	5/24/74 - 11/21/74
D-22546	C-17803	11/27/74 - 5/04/75
APOLLO 16 72-031C-01R		
D-22547	C-17673	5/11/72 - 8/29/72
D-22548	C-17608	8/29/72 - 7/04/73
D-22549	C-17609	7/20/73 - 4/29/74
D-22550	C-17675	5/24/74 - 11/21/74
D-22551	C-17610	11/27/74 - 5/04/75

HIGH FREQUENCY TELESEISMS

APOLLO 12 69-099C-03S		
D-22552	C-17591	4/17/71 - 7/11/71
D-22553	C-17671	1/02/72 - 1/13/75
APOLLO 14 71-008C-04S		
D-22554	C-17672	4/17/71 - 1/13/75
APOLLO 15 71-063C-01S		
D-22555	C-17605	1/02/72 - 1/13/75
APOLLO 16 72-031C-01S		
D-22556	C-17611	9/17/72 - 1/13/75

SELECTED MOONQUAKE EVENTS

D#	C#	TIME SPAN
APOLLO 12 69-099C-03T		
D-22557	C-17592	1/17/72 - 4/23/75
D-22558	C-17593	9/23/71 - 10/15/71
APOLLO 14 71-008C-04T		
D-22559	C-17599	1/17/72 - 4/23/75
D-22560	C-17600	8/04/71 - 10/15/71
APOLLO 15 71-063C-01T		
D-22561	C-17606	8/04/71 - 10/15/71
D-22562	C-17607	1/17/72 - 4/23/75
APOLLO 16 72-031C-01T		
D-22563	C-17612	5/27/72 - 4/23/75

APOLLO 12

PASSIVE SEISMIC EVENT

69-099C-03A

HEADER RECORD FORMAT

WORD	DESCRIPTION	TYPE
1	Experiment Identification (PS EXP)	BCD
2	ALSEP Number (ALSEPX)	BCD
3	Mission Identification (A/Sxxx)	BCD
4	Spare	BCD

APOLLO 12
69-099C-03A
PASSIVE SEISMIC EVENT
DATA RECORD FORMAT

WORD 1

ELAPSED TIME, MSEC

WORD 2

1-4	5-10	11	12	13-22	23-24	25-36
STATION ID	BIT ERROR RATE	DATA RATE	BLANK	MAGNETO-METER DATA	0	SPARE

WORD 3

1-10	11-12	13-22	23-24	25-34	35-36
CONTROL WORD	0	CONTROL WORD	0	CONTROL WORD	0

WORD 4

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 5

1-10	11-12	13-22	23-24	25-34	35-36
LONG PERIOD SEISMIC (X)	0	SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (Y)	0

WORD 6

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 7

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 8

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (X)	0

WORD 9

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (Y)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 10

1-10	11-12	13-22	23-24	25-34	35-36
LONG PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 11

1-10	11-12	13-22	23-24	25-34	35-36
HOUSE-KEEPING DATA	0	SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD TOTAL	0

WORD 12

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	SENSOR UNIT TEMPER-ATURE	0	SHORT PERIOD SEISMIC (Z)	0

WORD 13

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (X)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 14

1-10	11-12	13-22	23-24	25-34	35-36
LONG PERIOD SEISMIC (Y)	0	SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (Z)	0

WORD 15

1-10	11-12	13-22	23-24	25-34	35-36
COMMAND VERIFI-CATION	0	SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 16

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (X)	0

WORD 17

1-10	11-12	13-22	23-24	25-34	35-36
SHORT PERIOD SEISMIC (Z)	0	LONG PERIOD SEISMIC (Y)	0	SHORT PERIOD SEISMIC (Z)	0

WORD 18

1-10	11-12	13-22	23-24	25-34	35-36
LONG PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0	SHORT PERIOD SEISMIC (Z)	0

```
IEF237I 331    ALLOCATED TO FT06F001
IEF237I 332    ALLOCATED TO FT07F001
IEF237I 331    ALLOCATED TO SYSPRINT
IEF237I 231    ALLOCATED TO SYSPRINT
IEF237I 232    ALLOCATED TO SYSPRINT
IEF237I 0C0    ALLOCATED TO FT08F001
```

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

```
575565CF  01388000  0C01ECC0  0002152A
```

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

```
575565CF  01388000  0C01ECC0  0002152A
```

APOLLO 12
LARGE METEOROID IMPACTS
D-22528
04/13/71 - 7/27/71

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

```
2152A93B  1302FFC0  00E240EC  56880880  48048348  04834804  81C80480  88083088  04804834  80083480
481C8048  04000808  4E4808FB  C8048048  34804838  80481C00  08048808  04804834  80483880  481C8048
082152A9  25A302FF  C000E240  EC570804  80480483  08048388  0481C804  80880880  48048048  30804838
80481C80  48082152  08EC8808  51C80480  48308048  3880481C  00080480  88088048  30804838  80481C80
48082152  A9869302  FFC000E2  40EC5788  08804804  83080483  480481C8  04808808  80880480  48308008
3480081C  804E041E  88084E48  08FBC804  80483080  48348048  1C000804  80480880  88308048  3480481C
80480821  52A9AC53  02FFC000  E240EC58  08088048  04830804  83480481  C8048088  08808804  80483080
48348048  1CEC4808  18C808EC  880E51C8  04804830  80483480  481C0008  04808808  80483080  48348048
1C804804  2152A9D2  0302FFC0  00E240EC  58880880  48048308  04834804  81C80480  48088088  04804834
80483880  481C8048  0419C808  4E4808FB  C8048048  34804838  80481C00  08048048  08804830  80483880
481C8048  082152A9  F7C302FF  C000E240  EC590808  80480483  08048388  0481C804  80880880  88048048
30804838  80481C80  48083348  08EC8804  51C80480  48308048  3880481C  00080480  88048048  30804838
80481C80  48082152  AA1D8302  FFC000E2  40EC5988  08804804  83080483  480481C8  04804808  80880480
48308048  34804E1C  80430400  08084E48  08FBC804  80483080  48348048  1C000804  80480980  88308048
3480481C  80480421  52AA4343  02FFC000  E240EC5A  08088048  04830804  83480481  C8048088  08808804
80483080  08348048  1C804808  3D8808EC  880851C8  04804830  80483480  481C0008  04804808  80483080
48348048  1C804804  2152AA68  F302FFC0  00E240EC  5A880880  48048308  04838804  81C80480  88088048
04804830  80483E80  48208048  0800C808  4E4804FB  C8048048  30804838  80482000  08048048  08804830
80483880  482C8C48  042152AA  8EB302FF  C000E240  EC5B0804  80480483  08048388  04820804  80880880
48048048  308C4E38  80481C80  480429C8  08EC8804  51C80480  48308048  38804810  00880480  88048048
30804834  804E1C80  48082152  AAB47302  FFC000E2  40EC5B88  08804804  83080083  48048188  04808808
80880480  483C8048  34804818  80480400  08044E48  08FBC804  80483080  48348048  1C000804  80480880
48308048  34804E1C  80480821  52AADA33  C2FFC000  E240EC5C  08088048  04830804  83480481  C8048088
08808804  80483C80  48348048  1C804808  1C8808EC  880851C8  04804830  80483480  481C0008  04808808
80483080  48348048  1C804808  2152AAFF  E302FFC0  00E240EC  5C830880  48048308  04838804  81C80480
88088088  04EC4830  80483880  481C8048  04000808  4E4808FB  C8048048  30804838  80481C00  08048048
04804830  804E3880  481C8048  082152AB  25A302FF  C000E240  EC5D0804  80480483  08048388  0481C804
80880880  48048048  30804E34  80481C80  480819C8  08EC8808  51C80480  48308048  38804810  00880480
88088048  30EC4834  80481C80  48082152  AB486302  FFC000E2  40EC5D88  08804804  83080083  480481C8
04808808  80880480  48308048  3480481C  80483042C  48084E48  08FBC804  80483080  48348048  1C000804
80480880  483CEC48  34804810  80480821  52AB7123  02FFC000  E240EC5E  08088048  04830804  83480481
C8048088  08808804  80483C80  08348008  1C804808  2C0808EC  880851C8  04804830  80483880  481C0008
04804804  80483080  48388048  1C808808  2152AB96  0302FFC0  00E240EC  5E880480  48048308  04838804
81C80480  88C88048  04804830  E0483880  481C8048  0818A808  4E4804FB  C8048048  2C804834  80481C00
0804E048  0880882C  80483480  481C8048  042152AB  BC9302FF  C000E240  EC5F0808  80480482  C8048348
0481C804  80EEC880  88048048  2C804834  80481C80  48081D08  08EC8808  51C80480  482C8048  3480481C
00080480  88C88C48  2C804834  80481C80  48082152  ABE25302  FFC000E2  40EC5F88  08804804  82C80483
480481C8  04EC4E08  80880480  48308048  3480481C  80480426  48084E48  08FBC804  80483080  48348048
1C000804  804E0880  88308C48  3480481C  80480821  52AC0813  02FFC000  E240EC60  08088048  04830804
83480481  C8048C88  08808804  80483080  C8388008  1C804804  230808EC  880851C8  04804830  80483880
481C0008  04808808  80482C80  48348048  1C804808  2152AC2D  0302FFC0  00E240EC  60880880  480482C8
04834804  81C8C4E0  88C88C88  0480482C  80083480  481C8048  04368808  4E4808FB  C8048048  2C804834
```

8500C0C0	C8340CC7	B80007C0	00000000	00000008	34000788	0007C400	00004320	769A4902	FFC000E2
40EC4240	000C0C00	83400C7B	80007C40	0C000000	00000000	08340007	BC0007C4	00000008	C0008180
00CA4000	00C83CC0	07BC0C07	C4C00000	00000000	08300007	BC0007C4	00000043	20768FF9	02FFC000
E240EC42	30CC0C00	00830CC0	7BC0007C	40000000	00000000	00083000	07BC0007	C4000000	34C0007E
80008500	0C0C0830	0C07BC00	C7C00000	00000000	00083000	07BC0007	C0000000	432076E5	B902FFC0
0CE240EC	43C00000	00008340	007BC000	7C000000	00000000	00000834	0007BC00	07C00000	002D4000
818000CA	40CC0CC8	340007B8	00C7C000	00000000	00000834	0007B800	07C00000	00432077	087902FF
C000E240	EC458CC0	00003083	400C7B80	0C7C0000	00000000	00000008	340007B8	0007C000	00000540
007E8000	85CCCC00	08340007	BC0007C0	00000000	00000008	340007BC	0007C000	00004320	77313902
FFC000E2	40EC4400	00000CC0	83400C7B	C0007C00	00000000	00000000	08300007	BC0007C4	00000026
00008180	00CA4C00	00083000	07BC0007	C4000000	00000000	08300007	BC0007C4	00000043	207756F9
02FFC000	E240EC44	80000000	00830000	7BC0007C	40000000	00000000	00083000	07BC0007	C4000000
3FC0007E	80008500	00000830	0007BC00	07C00000	00000000	00083000	07BC0007	C0000000	4320777C
A902FFC0	00E240EC	45000000	00CC8300	007BC000	7C000000	00000000	00000834	0007BC00	07C00000
00000000	818000CA	40000008	340007BC	0007C000	00000000	00000834	00078800	07C00000	00432077
A26902FF	C000E240	EC458000	00C00083	400C7B80	007C0000	00000008	340007B8	0007C000	00004320
00000000	007E8000	85000000	C8340007	B80007C0	00000000	00000008	340007BC	0007C000	00004320
77C82902	FFC000E2	40EC4600	00000000	8340007B	C0007C00	00000000	00000000	08300007	BC0007C0
0C000000	00C08180	00CA4000	00083000	C7BC0007	C0000000	00000000	08300007	B80007C0	00000043
2C77EDE9	02FFC000	E240EC46	80000000	0C830000	7B80007C	40000000	00000000	00083400	07B80007
C4000000	0000007E	80008500	00000834	0007BC00	07C40000	00000000	00083400	07BC0007	C4000000
43207813	9902FFC0	00E240EC	47C00000	00008340	007BC000	7C400000	00000000	00000834	0007BC00
07C00000	00000000	818000CA	40000008	340007BC	0007C000	00000000	00000834	00078800	07C00000
00432078	395502FF	C000E240	EC478000	00000083	400C7B80	0C7C0000	00000000	00000008	340007B8
0007C0CC	00CC1400	007E8000	85000000	C8340007	B80007C0	00000000	00000008	340007B8	0007C000
00004320	7E5F1502	FFC000E2	40EC4800	CC000000	83400078	C0007C00	00000000	00000000	08300007
BC0007C0	00000000	00008180	00CA4000	00083000	07BC0007	C0000000	00000000	08300007	BC0007C0
00000043	207884D9	02FFC000	E240EC48	8C000000	00830000	7B80007C	00000000	00000000	00083400
07B80007	C4CC0C00	0C80C7E	80C08500	CC000834	0007B800	07C40000	00000000	00083400	07BC0007
C4000000	432C7EAA	9902FFC0	00E240EC	49000000	00008340	007BC000	7C000000	00000000	00000834
0007BC00	07CC0C00	00000000	818000CA	40000008	300007BC	0007C000	00000000	00000834	0007BC00
07C00000	00432078	004902FF	C000E240	EC498000	00000083	0007B800	007C0000	00000008	00000008
300007B8	00C7CC00	00C00000	007E8000	85000000	08340007	B80007C0	00000000	00000008	340007B8
0007C000	00004320	78F60902	FFC000E2	40EC4A00	00000000	83400078	C0007C00	00000000	00000000
08340007	BC0C07C0	00000034	00008180	00CA4000	00083400	07BC0007	C0000000	00000000	08300007
BC00C7C0	000C0C43	20791BC9	02FFC000	E240EC4A	80000000	00834000	7BC0007C	00000000	00000000
00083400	07B80007	C0000000	1380007E	80008500	00000834	0007B800	07C00000	00000000	00083400
07B80007	C00C0000	43207941	8902FFC0	00E240EC	4B000000	00008340	007BC000	7C000000	00000000
00000834	00C7BC00	07C40000	00184000	818000CA	40000008	340007BC	0007C400	00000000	00000830
0007BC00	07C40000	00432078	673902FF	C000E240	EC488000	00000083	0007BC0	007C4000	00000000
00000008	300007BC	0007C400	00000080	007E8000	85000000	08300007	B80007C0	00000000	00000008
300007B8	0CC7CC00								

RECORD 931 OF FILE 1
LENGTH = 7290 BYTES

24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
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49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249
24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492
49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249
24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492
49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249
24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492

APOLLO 14 LM/ALSEP

LARGE METEOROID IMPACTS ON TAPE

71-008C-04R

This data set has been restored. There were originally six 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN	
DR005511	DS005511	D022535	1	04/13/71 - 01/04/72	(a)
		D022536	2	05/11/72 - 08/29/72	(b)
		D022537	3	08/29/72 - 07/04/73	
		D022538	4	07/20/73 - 04/19/74	(c)
		D022539	5	05/22/74 - 11/21/74	(d)
		D022540	6	11/27/74 - 05/04/75	(e)

(a) D022535: Read errors occurred in records 116, & 1362 of file 1.
(b) D022536: Read errors occurred in records 920, & 1627 of file 1.
(c) D022538: Read error occurred in record 160 of file 1.
(d) D022539: Read error occurred in record 44 of file 1.
(e) D022540: Read errors occurred in records 2, & 3 of file 1.

Refer to 69-099C-03R

```
//GO.DATA5 DD *
//
IEF236I ALLOC. FOR YZJRJLR7 GO
IEF237I 231   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 231   ALLOCATED TO FT06F001
IEF237I 332   ALLOCATED TO FT07F001
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 331   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001
```

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 01388000 0E01ECC0 0002152B

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 01388000 0E01ECC0 C002152B

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

21528052	43020000	00E240EC	68886486	48647D88	687EC864	83486486	08608608	60860708	8607EC86
08348648	64364864	62C864AC	48648647	D48647EC	86483486	48648648	648647D8	8607E886	08348608
602152B0	78030200	0000E240	EC6C0860	860860 7D	88647EC8	64834864	86486486	48648647	D88607EC
86083486	08603C08	606CC860	6EC86086	07D88607	EC860834	86086086	08608607	D885C7E8	85C83086
08642152	B09DC302	000000E2	40EC6C88	68868864	7D88647E	88608308	60860860	86086486	47D88647
E8864830	86486400	086462C8	60AC0860	8607D886	07E88608	30864864	86486486	47D88687	E8868830
86486421	52B0C383	02000000	E240EC40	08608608	607D4860	7E886083	08648648	64864864	8647D486
07E88608	30860860	C008606C	C8606EC8	608607D8	8607EC86	08348648	64864864	8647D486	07EC8608
34860860	2152B0E9	43020000	00E240EC	40C86086	08607D88	607E8860	83486086	48648648	64854704
8647E886	48348648	602F8860	62C860AC	48608607	D48607EC	86083486	08608608	648647D4	8687E886
88348648	64215281	CEF30200	0000E240	EC410860	8608607D	88607E88	60830864	86486486	48648647
D88647E8	86483086	08600348	5C6CC85C	6F085C86	07D88607	E8860830	86086486	88688687	D48647E8
86483086	48602152	B134F302	000000E2	40EC41C8	60864864	7D48647E	88648308	6086085C	85C85C85
C7D485C7	E8860830	8648643C	886862C8	68AC486C	8687D886	87E88648	30860860	86086086	07D88607
E8860834	86086021	52B15A73	02000000	E240EC42	48608608	607D8860	7EC86483	48688688	64864860
8607D886	07EC8608	34860860	2708606C	C8646F08	648647D4	8647EC86	48348608	60860860	8607D486
07EC8648	34864864	2152B180	23020000	00E240EC	42886486	48647D48	647E8864	83486486	48648648
608607D4	8607E886	08348608	60340864	62C864AC	08688687	D48687E8	86483486	086085C8	608607D4
8647E886	48348648	642152B1	A5E30200	0000E240	EC430860	8608607D	88607E88	60834860	86086086
08608647	D48647E8	86483486	48640008	646CC864	6EC86486	07D88607	E8860834	86086086	08608647
D88647E8	86483086	48642152	B1CBA302	000000E2	40EC4388	6486085C	7D885C7E	885C8308	5C85C85C
86086086	47D48647	E8868830	8688681F	486862C8	64AC4860	8607D885	C7E885C8	30860860	86086086
07D48647	EC864830	86486421	52B1F173	02000000	E240EC44	08608608	607D8860	7EC86483	08648648
60860860	8607D886	07EC8608	34860860	0C08606C	C8606F08	648647D8	8647E886	08348608	60860864
8647D886	47E88608	34860860	2152B217	23020000	00E240EC	44886086	08607D48	607E8860	83486086
08608608	648647D8	8647E886	08348608	60358860	62C860AC	48608607	D48607E8	86083486	08608608
608607D4	8607E886	08348608	602152B2	3CD30200	0000E240	EC450864	8648647D	48647E88	60834860
86086086	08608607	D48607E8	86083486	08600008	606CC860	6F086486	47D48687	E8868830	86486486
085C85C7	D88607E8	86083486	08602152	B262D302	000000E2	40EC4588	64864864	7D48647E	88608308
64864864	86486486	47D48607	E8860830	86086000	086062C8	60AC4860	8647D486	47E88648	34854860
86086086	07D48607	E8860834	86086421	52B28853	02000000	E240EC46	08648648	647D8864	7E886083
48648648	64864864	8647D886	87E88648	34864860	20C8606C	C85C5EC8	5C85C7D8	85C7E886	08348608
60864864	8647D486	07E88648	34864864	2152B2AE	03020000	00E240EC	46886086	08607D48	607E8860
83486086	08608608	6085C7D4	8607E886	08348648	64008864	62C860AC	48608607	D88607E8	86083486
08608608	608607D8	8647E886	88308688	64215282	D3C30200	0000E240	EC470864	8648607D	48607E88
6083085C	85C86086	08608647	D48647E8	86483086	48601108	606CC860	6F086086	07D48607	E8860834
86086486	48648687	D48647E8	86483486	48602152	B2F98302	000000E2	40EC4788	60860860	7D48607E
88608348	60860864	86886886	87D48647	E8864834	86086033	886062C8	60AC0860	8607D486	07E88608

Apollo 14
71-008C-04R

P. 22535
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6E086CD7 08707D48 6C7A086C 83C86C86 C86C8688 688687D4 86C7A087 08448708 6C3FC868 ABC86840
086C8707 D48707A0 87084887 08708708 7086C7D4 8687A086 884886C8 6C016680 872B0200 0000E240
EC6B886C 86C86C7D 48707A08 70840870 86C86886 886C86C7 D486C7A0 86C83886 C86C3748 6C82486C
CE486C86 87D486C7 A0870834 87086C86 C86886C7 D48687A0 86883086 88680166 80ACEB02 000000E2
40EC6C08 6886B868 7D48687A 08688288 6886C86C 86C86C86 C7D485C7 A086C820 86C86C3C 486CABC8
6C400868 8687D486 87A08688 20868868 86886C86 C7D486C7 A0868820 86C86C01 6680D2AB 02000000
E240EC6C 886C86C8 6C7D086C 7A087082 48708708 7086C86C 8687D486 87A08688 28868868 00086882
4868CE48 6C86C7D4 8687A086 883086C8 70870B6C 86C7D487 07A08708 34870B6C 016680F8 6B020000
00E240EC 40086C86 C86C7D08 687A0868 83886886 886C8688 688647D4 8687A086 883C86C8 6C00086C
ABC86C40 086C86C7 D086C7A0 86C84086 C86C8708 708707D4 86C7A086 C84086C8 6C016681 1E1B0200
0000E240 EC40C86C 8688687D 486C7A08 6C84086C 86C86C86 C86C86C7 D48687A0 86883886 C86C2F88
6C82486C CE487086 C7D486C7 A086C830 86C86C86 88688687 D486C7A0 87082C87 08700166 8143DB02
000000E2 40EC4108 68864864 7D48687A 086C8288 7086C86C 86886886 87D486C7 A0870824 87087003
486CABC8 6C40086C 86C7D486 879C8688 2486C86C 86C86886 87D48707 9C86CB24 86C86C01 6681699B
02000000 E240EC41 C87086C8 6C7D4868 7A086C82 886C86C8 6886C86C 86C7D486 87A08688 28858868
3C886882 486CCE48 6C86C7D4 86C7A086 C82C86C8 6C868868 8687D086 C7A086C8 34868868 0165818F
48020000 00E240EC 42486C86 C8687D48 687A0868 83C86C86 C86C85C8 688687D0 8687A086 C84486C8
6C26C86C ABC86C40 086C86C7 D48687A0 86884486 886C8708 7086C7D4 8687A086 C84086C8 70016581
B50B0200 0000E240 EC42886C 86C8687D 486C7A08 6C83C86C 86886886 886C86C7 D486C7A0 86883886
88683388 6882486C CE486C86 C7D486C7 A086C834 86C86886 88688647 D48687A0 86882C86 C86C0166
81DACB02 000000E2 40EC4308 68868868 7D48687A 08680288 68868868 86C86C86 C7D486C7 A086C820
86C86800 0868ABC8 68400868 86C7D486 C7A086C8 2086C86C 86886886 C7D08687 A0868824 86C86C01
66820088 02000000 E240EC43 886C86C8 6C7D086C 7A086C82 886C86C8 6C86C868 8687D086 879C8688
2C868868 20486C82 486CCE48 6C86C7D4 86879C86 C830B6C8 6C868868 8687D486 C79C86C8 3486C86C
01668226 3B020000 00E240EC 44086C86 C86C7D48 687A0868 83C86C86 C86C86C8 688687D4 8687A086
48408688 680D486C ABC87040 086C86C7 D48687A0 86884486 C86C86C8 688687D4 8687A086 C84486C8
68016682 48FB0200 0000E240 EC44886C 86C86C7D 486C7A08 6883C86C 86C87087 086C86C7 D48687A0
86C83486 C86C2BC8 6C824868 CE486C86 C7D486C7 A086C82C 86C86C86 C870B6C7 D486C7A0 86882886
88680166 8271C802 000000E2 40EC4508 6886C86C 7D486C7A 08688248 68868868 86C86C86 87D48687
A086C820 86C86C00 0868ABC8 6840086C 8707D087 07A08708 2087086C 86C86C86 C7D086C7 9C858820
86886801 6682976B 02000000 E240EC45 88688688 6C7D486C 79C86C82 886C86C8 6C86C86C 86C7D486
C7A086C8 3086C86C 00086882 4868CE48 688687D4 8687A086 883486C8 68868868 86C7D486 C7A08688
38868868 016682BD 2B020000 00E240EC 46086C86 C86C7D48 687A0868 84486C86 C8688688 688687D4
86C7A087 084C86C8 6C20C868 ABC86840 08688687 D486C7A4 86C85086 C86C86C8 6C86C7D4 86C7A086
88488688 68016682 E2EB0200 0000E240 EC468868 8688687D 486C7A08 6C83C86C 86C86C86 C86C86C7
D486C7A0 86C83886 C86C0088 6C824868 CE486C86 C7D486C7 A086C830 86C86C86 C86C86C7 D48707A0
87082486 C86C0166 8308AB02 000000E2 40EC4708 6C86C870 7D48707A 086C8188 6C86C86C 86C86C86
C7D086C7 A086C814 86886C11 086CABC8 6C400B6C 86C7D487 07A08708 18870870 86C86886 87D486C7
A086C81C 86C86C01 66832E5B 02000000 E240EC47 886C86C8 6C7D4868 7A086882 486886C8 6C870870
86C7D486 87A08688 30868868 34086882 4868CE48 6C86C7D4 86C79C86 C83C8688 68868868 86C7D486
87A08688 4486886C 01668354 1B020000 00E240EC 48086C86 C8687D48 687A086C 84886C86 C8688688
6C8687D4 8687A086 884C8688 6831486C ABC86C40 086C86C7 D486C7A0 86C84C86 C86C86C8 6C86C7D4
86C7A086 C8448 6C8 68016683 79080200 0000E240 EC488868 86C8707D 486C7A08 6C83886C 86C87087
086C8687 D48687A0 86882C86 856C0048 6C82486C CE486C86 C7D48687 A0868820 86C86886 C86C86C7
D08687A0 86C81886
```

RECORD 1366 OF FILE 1
LENGTH = 7290 BYTES

```
24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924
92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492
49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
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49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
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49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
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49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
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49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
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49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
```

APOLLO 15 LM/ALSEP

LARGE METEOROID IMPACTS ON TAPE

71-063C-01R

This data set has been restored. There were originally six 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN	
DR005355	DS005355	D022541	1	10/20/71 - 01/04/72	(a)
		D022542	2	05/11/72 - 08/29/72	(b)
		D022543	3	08/29/72 - 07/04/73	(c)
		D022544	4	07/20/73 - 04/19/74	(d)
		D022545	5	05/24/74 - 11/24/74	(e)
		D022546	6	11/27/74 - 05/04/75	

(a) D022541: Read errors occurred in records: 57, 88, 112 of file 1.
(b) D022542: Read error occurred in record: 210 of file 1.
(c) D022543: Read error occurred in records: 210 of file 1.
(d) D022544: Read errors occurred in records: 180, 416, 861 of file 1.
(e) D022545: Read error occurred in record: 1560 of file 1.

Refer to 69-099C-03R

D-22541

5E8C1C43	9C02FFC0	0CE240EC	6187F47F	47F47EC7	F47D87F4	7B47F47F	47F47F47	F4FFC7E0	7F47D87F
47B47F47	F40187F4	3A87F47D	C7F47F07	E07F07D8	7F47B000	07F87F87	F87F87E0	7F47D87F	47807F07
F05E8C1C	E94C02FF	CC0CE240	EC62C7F4	7F47F47E	C7F47D87	F47807F4	7F47F47F	47F4FFC7	E47F47D8
7F47AC7F	47F400C7	F42CE7F4	67C7F47F	47E47F47	D87F47AC	0007F07F	07F07F47	E47F07D8	7F07AC7F
07F05E8C	1C8F1C02	FFCC00E2	40EC6287	F47F47F4	7E47F47D	87F47AC7	F47F47F4	7F87F8FF	C7E47F87
D87F47AC	7F47F421	07FE3A87	F87DC7F8	7F87E47F	47D87F47	B00007F4	7F47F47F	47E07F07	D87F07B0
7F07F45E	8C1CB4CC	02FFC000	E240EC63	07F47F47	F07E07F0	7D87F07B	07F07F07	F47F47F4	FFC7E07F
07D87EC7	EC7F07F0	0CA7F020	87FC67C7	F47F47E0	7F47D87F	47B00007	F07F07F0	7F07E07F	07D87F07
B47F07F0	5E8C1CDA	8C02FFC0	00E240EC	6387F07F	47F87E07	F87D87F4	7B47F47F	47F47F47	F4FFC7E4
7F47D87F	47B47F47	F405D7F8	3A87F87D	C7F47F47	E47F47D8	7F47B000	07F47F87	F87F47E4	7F47D87F
47B07F47	F45E8C1D	CC4CC2FF	C00CE240	EC6407F8	7F87F87E	47F47D87	F07B07F0	7F07F07F	47F4FFC7
E47F47D8	7F07B07F	C1CE1647	F02C87F4	67C7F47F	47E47F47	D87F47B0	0007F47F	07F07F47	E47F47D8
7F47BC7F	47F45E8C	1D25FC02	FFCC0CE2	40EC6487	F47F87F8	7E47F47D	87F47AC7	F47F47F4	7F87F8FF
C7E47F47	D87F47AC	7F47F000	07FE3A87	F47DC7F4	7F47E47F	47D87F47	AC0007F8	7F87F47F	07E07F07
D87F07AC	7F07F45E	8C1D4B8C	02FFC000	E240EC65	07F47F47	F47E07F4	7D87F47B	07F47F47	F47F47F0
FFC7E07F	07D87F07	8C7F47F8	1807FE20	87F867C7	F87F47E0	7F07D87F	07B40007	F47F47F4	7F87E07F
47D87F47	B47F47F4	5E8C1D71	7C02FFC0	00E240EC	6587F87F	C7F87E07	F87D87F4	7B47F47F	47F47F47
F4FFC7E0	7F47D87F	47B47F47	F40CC7F4	3A87F47D	C7F47F07	E07F07D8	7F47B00C	07F87F47	F47F07E4
7F07D87F	07B07F07	F45E8C1D	572C02FF	C00CE240	EC6607F4	7F47F47E	47F47D87	F07B07F4	7F47F87F
87F8FFC7	E47F07D8	7F07E07F	C7FCC547	F02C87F4	67C7F47F	47E47F47	DC7F47AC	0007F07F	07F07F47
E47F47DC	7F47AC7F	47F45E8C	1D8CEC02	FFC000E2	40EC6687	F47F47F0	7E47F07D	87F47B07	F47F47F8
7F87F4FF	C7E47F07	D87FC7B0	7F07F408	47F83A87	F87DC7F8	7F87E47F	87D87F87	B00007F4	7F47F47F
87E07F87	D87F87B0	7F87F85E	8C1DE2AC	02FFC000	E240EC67	07F87F47	F47E07F4	7D87F47B	07F47F47
F47F47F4	FFC7E07F	47D87F47	B07F47F4	0587F420	87F467C7	F47F47E0	7F47D87F	47AC0007	F47F07F0
7EC7E07F	C7D87F07	AC7F47F8	5E8C1E08	6C02FFCC	00E240EC	6787F87F	47F07E07	F07D87F0	7AC7FC7F
47F87F87	F4FFC7E4	7F07D87F	07AC7F07	F41E87F4	3A87F87D	C7F87F47	E07F47D8	7F47B000	07F07F47
F47F47E4	7FC7D87F	C7BC7F07	F45E8C1E	2E2C02FF	C00CE240	EC6807F4	7F47F47E	47F07D87	FC7B07F0
7F07F47F	47F4FFC7	E47F47D8	7F07BC7F	C7F00E87	FC2087F0	67C7F47F	47E47F47	D87F87B4	0007F47F
C7FC7F07	E47F47D8	7F47B47F	47F45E8C	1E53DCC2	FFC000E2	40EC6887	F47F47F4	7E47F47D	87F47B07
F47F47F4	7FC7F0FF	C7E47F47	D87F47B0	7F47F81D	87F83A87	F87DC7F8	7F47E07F	47D87F07	B00007F4
7F47F47F	47E07F07	D87FC7B0	7F07F45E	8C1E799C	02FFC000	E240EC69	07F47F87	F87E07F4	7D87F47B
07F47F47	F87F87F8	FFC7E07F	47D87F07	AC7FC7F0	03C7F420	87F467C7	F47F47E0	7F07D87F	07AC0007
F87F87F4	7F47EC7F	C7D87F07	AC7FC7F0	5E8C1E9F	5C02FFC0	00E240EC	6987F47F	47F47E47	F47D87F4
7AC7F07F	C7F07FC7	F0FFC7E4	7F07D87F	07AC7F07	FC09C7F4	3A87F47D	C7F47F47	E47F47D8	7F47B000
07F47F47	F47F47E4	7F07D87F	07BC7F47	F45E8C1E	C51C02FF	C00CE240	EC6A07F4	7F47F47E	07F07D87
F07B47F4	7F47F47F	47F4FFC7	EC7FC7D8	7F07B47F	47F80087	F82087F8	67C7F87F	47E07F07	D87F07B4
0007F47F	47F87F87	EC7F47D8	7F07B47F	07F05E8C	1EEADC02	FFC000E2	40EC6A87	F47F47F4	7E07F47D
87F47B07	F47F47F4	7F47F4FF	C7EC7F47	D87F47B0	7F47F400	07F83A87	F87DC7F8	7F47E07F	47D87F47
B00007F4	7FC7F07F	47EC7F47	D87F47B0	7F47F45E	8C1F108C	02FFC000	E240EC6B	07F87F87	F87E47F4
7D87F47A	C7FC7F47	F47F47F4	FFC7E47F	47D87F47	AC7F47F3	0447F820	87F867C7	F47F47E4	7F47D87F
47AC0007	F47F47F4	7F47E47F	07D87F07	AC7F07F4	5E8C1F36	4C02FFC0	00E240EC	6887F47F	47F47E47
F47D87F4	7AC7F47F	47F47F47	F4FFC7E4	7F47D87F	47B07F47	F411C7F4	3A87F47D	C7F47F07	E47F47D8
7F47B000	07F87F87	F47F47E4	7F47D87F	47B07F47	F45E8C1F	5C0C02FF	C000E240	EC6C07F4	7F87F87E
47F87D87	F47E47F4	7F47F47F	47F8FFC7	E47F87D8	7F87947F	47F41347	F42087F4	67C7F47F	47E47F87
D87F87B4	0007F47F	47F47F07	EC7F47D8	7F47B07F	47F45E8C	1F81CC02	FFC000E2	40EC6C87	F47F47F4
7E07F47D	87F47B07	F47F47F4	7F47F4FF	C7E07FC7	D87F07B0	7F47F400	07F43A87	F47DC7F4	7FC7EC7F
C7D87F47	AC0007F4	7F47F47F	47EC7F47	D87F47AC	7F47F45E	8C1FA77C	02FFC000	E240EC40	07F47F47
F47E07F4	7D87F47A	C7FE7F87	FC7FC7F8	FFC7E47F	C7D87EC7	AC7F07F4	0007F820	87F867C7	FC7F87E4
7F47D87F	47B00007	F47F47F0	7EC7E47E	C7D87FC7	BC7F07F4	5E8C1FCD	3C02FFC0	00E240EC	40C7F87F
47FC7E47	F07D87EC	7EC7EC7F	07FC7F47	F4FFC7E4	7FC7D87F	07B07F07	F02FC7F4	3A87F47D	C7F47F07
E47F07D8	7FC7B000	07F47F47	F87F87E0	7F87D87F	47B07F47	F45E8C1F	F2FC02FF	C000E240	EC4107F4
7F47F47E	07F47D87	F47BC7F4	7F47F47F	47F4FFC7	EC7F07D8	7F07B07F	07F40347	F42087F4	67C7FC7F
07EC7F07	D87F47B0	0C07F47F	47FC7F07	EC07EC7D8	7EC7B07F	07F45E8C	20188C02	FFC000E2	40EC4187
F47F47F0	7EC7FC7D	C7FC7B07	FC7F47F8	7F87F8FF	C7E07F07	D87F07AC	7EC7F03C	87F03A87	F47DC7F4
7F47E07F	47D87F47	ACCCC7F4	7F47F47F	47E07F87	D87FB7AC	7F87F45E	8C203E6C	02FFC000	E240EC42
47F07F07	F07E47F4	7D87F47B	C7F47F47	F07F07F0	FFC7E47F	07D87F07	B07F07F0	0407F420	87F467C7
F47F47E4	7F47D87F	C7BC0007	F47F47F4	7F47E47F	C7D87F07	B07F07F0	5E8C2064	2C02FFC0	00E240EC
42C7F47F	47F47E47	F47CE7F4	7B07F47F	47F47F47	F4FFC7E4	7F87D87F	87807F87	F833C7F8	3A87F87D
C7F87F47	E47F47D8	7F47B000	07FE7F87	F87F47E0	7F47D87F	07B47F07	F45E8C20	89EC02FF	C000E240
EC4307F4	7F47F07E	C7FC7D87	FC7B47F4	7F47F47F	47F4FFC7	E07F07D8	7F07807F	07F00007	F42087F4
67C7F47F	47E07F47	D87F47AC	0007F47F	47F47F47	EC7F47D8	7F07AC7F	07F45E8C	20AFAC02	FFC00CE2
40EC4387	F87F87F8	7E07F47D	87F47AC7	F07F07FC	7F47F4FF	C7E07F47	D87F47AC	7F47F405	87F43A87
F47DC7F4	7F47E07F	47D87F47	B00C07F4	7F47F87F	87E07F87	D87F4780	7F47F45E	8C20D55C	02FFC000
E240EC44	07F47F47	F47E47F4	7D87F47B	C7F47F47	F47F87F8	FFC7E47F	47D87F47	B07F07F0	2DC7F420
87F467C7	F47F47E4	7F47D87F	47BC0007	F47F47F0	7F07E47F	07D87F07	B07F07F4	5E8C20F8	1C02FFC0
00E240EC	4487F87F	87FE7E47	F47D87F4	7B07F07F	C7F07F07	F0FFC7E4	7F47D87F	47B07F87	F43887F4
3A87F47D	C7F07F07	EC7F47D8	7F47B000	07F47F47	F47F07E0	7F07D87F	07B07F47	F45E8C21	20DC02FF
C000E240	EC4507F4	7F47FC7E	07FC7D87	F07B07F4	7F47F87F	47F4FFC7	E07F07D8	7F07B07F	47F43207
F82087F8	67C7F87F	47EC7F47	D87FC7B0	0007F07F	47F47F87	E07F87D8	7F47B07F	07F05E8C	21469C02
FFC000E2	40EC4587	F47F47F8	7E07FE7D	87F87AC7	F47FA7F0	7F07F4FF	C7E47F47	D87F47AC	7F47F404
87F43A87	F47DC7F4	7F47E47F	47DE7F47	ACC007F0	7F07F07F	07E47F47	D87F47AC	7F47F45E	8C216C5C
02FFC000	E240EC46	C7F47F47	F47E47F4	7D87F47B	C7F47F47	F47F47F4	FFC7E47F	47D87F07	BC7F07F4
0007F420	87F867C7	F87FE7E4	7F47D87F	47B400C7	F87F87F8	7F87E47F	47D87F07	B47F07F0	5E8C2192
0C02FFC0	00E240EC	4687F47F	87F47E47	F47D87F4	7B47F07F	07F07F07	F0FFC7E4	7F07D87F	07B07F47
F40007F4	3A87F07D	C7FC7F07	E47F07D8	7F47AC00	07F47F47	F47F07E0	7F07D87F	07AC7F07	F05E8C21
B7CC02FF	C000E240	EC47C7F0	7F07FC7E	07F07D87	FC7AC7F0	7F07FC7F	47F4FFC7	E07F47D8	7F47B07F
47F40007	F42087F4	67C7F47F	87EC7F87	D87F47BC	0007F47F	07F07F07	E07F47D8	7F47B07F	47F45E8C
21DD8C02	FFC000E2	40EC4787	F47F87F8	7E07F47D	87F47AC7	F47F47F4	7F47F4FF	C7E47F47	D87F07AC
7F07F012	47F43A87	F47DC7F8	7F87E47F	47D87F47	AC0007F0	7F07F47F	47E47F07	D87F07B0	7F07FC5E
8C22034C	02FFC000	E24CEC48	07F47F47	F47E47F4	7D87F47B	07F47F87	F87F87F4	FFC7E47F	07D87F07

Injector 15
71-023C-01K

```
86465486 886C0166 E1CFFB02 FFCC0CE2 40EC4988 64860B5C 7F485C81 C8606508 64864864 8E4860FF
C7F48608 1C860650 E60E642E 88641748 68D24868 8687F486 081885C6 5000085C 86086486 47F48608
1C860650 86CE6401 E681F588 02FFCC00 E240EC4A CE6C8608 647F4864 81C86464 C86085C8 5C85CE60
FFC7F886 481C8686 4CE64864 340E6483 486061C8 6C8607F4 85C81C85 C6500008 60864864 8E47F486
481C8646 50864864 016E8218 6B02FFC0 00E240EC 4A885C85 8587F42 5C81C860 65486486 88688688
68FFC7F4 86C81C85 CE548588 58088B5C 174860D2 4E648647 F4864818 86465000 08648648 648607F4
86081886 065C85C8 5C016682 412E02FF C00CE240 FC4B0864 86886C7F 486C8188 6E650860 86086C86
0864FFC7 F4E64818 E60E5085 C858C0C8 5C834864 61C86886 87F08648 18864650 00086086 08E08E07
F0860B1C 86CE5486
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RECORD 439 OF FILE 1
LENGTH = 7290 BYTES

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24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924
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APOLLO 16 LM/ALSEP

LARGE METEOROID IMPACTS ON TAPE

72-031C-01R

This data set has been restored. There were originally five 7-track, 800 BPI tapes 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 tapes were created on a 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN	
DR005313	DS005313	D022547	1	05/11/72 - 08/29/72	
		D022548	2	08/29/72 - 07/04/73	(a)
		D022549	3	07/20/73 - 04/19/74	
		D022550	4	05/24/74 - 11/21/74	(b)
		D022551	5	11/27/74 - 05/04/75	(c)

(a) D022548: Read error occurred in record 664 of file 1.
(b) D022550: Read errors occurred in records 223, 228, 232, 235, 237, 239, 241, 244, 246, 250, 253, 1446 of file 1.
(c) D022551: Read error occurred in record 1665 of file 1.

Refer to 69-099C-03R

```
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76100.T163658.RV000.YZJRJLR3.S0000109     DELETED
IEF285I   VOL SER NOS= K3SCR3.
IEF373I STEP /LINK    / START 76100.1717
IEF374I STEP /LINK    / STOP  76100.1719 CPU    0MIN 01.55SEC MAIN 130K LCS   0K
- STEP 02 -      RETURN CODE = 0000                          STEP TIME =      .20 MINS=(CPU=      .02,IO=      .18)
                                        IO IN SECS. DISK=    10.42,DRUM=      .56,TAPE=      .00,CELL=      .00,OTHR=      .18
      XXGO       EXEC PGM=*.LINK.SYSLMOD,COND=(4,LT),REGION=70K                    00000230
      XXFT05F001 DD   DDNAME=CATA5                                                 00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)         00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=E,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                  00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),        00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                             00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //       DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //            VOL=SER=JJ0021
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR3 GO
IEF237I 232   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 331   ALLOCATED TO FT06F001
IEF237I 331   ALLOCATED TO FT07F001
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 331   ALLOCATED TO SYSPRINT
IEF237I 0D0   ALLOCATED TO FT08F001
```

D-22547
16, R

```
                                        RECORD      1  OF FILE   1
                                        LENGTH =      18  BYTES

    575565CF  01388400  1001ED00  0002AAB0
```

2AAB0FF3C1
4E291D2B2.

```
                                        RECORD      2  OF FILE   1
                                        LENGTH =      18  BYTES

    575565CF  01388400  1001ED00  0002AAB0
```

```
                                        RECORD      3  OF FILE   1
                                        LENGTH =    7290  BYTES

    2AAB0FF3  C302FFC0  00E240EC  5307C47C  07BC7EC7  BC7D07BC  7C47C07B  C7C07C47  CC7D07EC  7CC7D07C
    47C87BC7  BB00C7BC  B4C7BCC8  87C07C87  EC7CC7D0  7CC7C800  07C07C47  C87C87EC  7B87D47B  47C87BC7
    C42AAB10  198B02FF  C000E240  EC5387CC  7C87C87E  C7C87D87  C87C87C4  7C07C07B  C7B87BE7  EC7BC7D8
    7CC7C87D  87D8C0C7  D065C7C4  8487BC7C  07EC7C07  D87BC7C4  0007B47B  87C47D07  EC7D47D8  7CC7C47C
    C7B82AAB  103F4B02  FFC000E2  40EC5407  C07C47C4  7EC7C47D  87C47C47  C47C47C8  7CC7C87C  07EC7B87
    DE7B87C4  7BC7C034  07C4B4C7  C8C887CC  7C87EC7C  47D87C47  C40007C4  7C07BC7B  87EC7BC7  D87C47C8
    7CC7D02A  AB106508  C2FFC000  E240EC54  87C87C07  BC7EC7C0  7D87C07C  47BC7BC7  B87BC7C4  7CC7EC7D
    47D47D07  C47CE7BC  0047B865  C7BC8487  C07C07EC  7C07D07C  07C40007  C47C47C8  7C47EC7B  C7D07BC7
    CE7BC7C0  2AAB1C8A  BB02FFC0  00E240EC  5507C47C  47C47EC7  C87D07CC  7C87C87C  07BC7BC7  C07C07EC
    7C07D07C  47C87C87  C40EC7C0  B4C7BCC8  87C07C47  EC7C47D0  7C07C800  07B07B47  C07C87F0  7C87D47C
    47C87C47  C42AAB10  B07B02FF  C00CE240  EC5587BC  7BC7BC7F  07B87D87  BC7C87C0  7CC7D47D  47C87BC7
    EC7B87D8  7BC7C87C  07CC08C7  C065C7C0  8487C47C  47EC7C07  D87C07C8  0C07C87C  87C07BC7  EC7C07DC
    7CC7C87C  C7CE2AAB  10D63B02  FFC000E2  40EC5607  C87CC7CC  7EC7C47D  87C07C47  BC7BC7BC  7BC7C07C
    E7EC7D07  D87CC7C4  7C47C03D  87C4E4C7  C4C887C0  7887EC7B  47D47B47  C40007C4  7C87C87C  C7EC7C87
    D47C47C4  7C07C02A  AB10FBFB  02FFC0C0  E240EC56  87BC7BC7  BC7EC7C4  7D07CC7C  47D07CC7  C47C07C0
    7EC7EC7B  C7DC7BC7  C47BC7C4  0007C865  C7C88487  C87CC7EC  7C87D07C  C7C40007  B87BC7C0  7C47F07C
    E7D07CC7  C47CE7C4  2AAB1121  AB02FFC0  00E240EC  5707C47C  47C07EC7  BC7D47B8  7C47BC7C  07C47CC7
    CC7C87EC  7C87D47C  87C47C47  C00E47C0  B4C7BCC8  87BC7BC7  EC7EC7D8  7C07C800  07CC7CC7  C47C07EC
    7C47D87C  47C47BC7  B82AAB11  476B02FF  C00CE240  EC5787C0  7C87CC7E  C7CC7D87  C87C87C0  7C07C07C
    C7C07C07  EC7CC7D8  7CC7C47C  07C40CC7  C465C7C4  8487CC7C  07EC7BC7  D87BC7C8  0007C07C  47C87CC7
```

D2-851C-014

```
E147A0E2 87A47187 A479C794 7947SC7A 48107A48 307AC718 7AC7A004 07982E47 94FFC798 7A08107A
4E3C7A47 1C0CC7A0 79C79879 860C7A48 447A471C 7A079C4E 2919561E 02580000 E240EC6B 87947987
9C8087A4 E4E7AE71 C7AC79C7 947S9E79C 7A08047A 48487A47 1C7A079C 25879464 C790FFC7 987A0804
7A48447A 471CCCC7 A0798790 7948C47A 48407A87 207AC79C 4E29197B DE024BCC 00E240EC 6C079479
E7A48047 A0B3C7A8 7207A079 C7987SC7 9C7A0804 7A48J47A 871C7A07 982FC790 2E4790FF C7987A08
CE7A4830 7A471C00 07AC79C7 98798804 7A482C7A 871C7A87 A04E2919 A19E0251 4000E240 EC6C8798
79C7A480 47A8E2C7 A871C7A4 7A079879 47987A08 087A4830 7A47187A 479C0007 9864C794 FFC7987A
CECE7A48 387AE71C 0007A079 C79C79C8 087A483C 7A471E7A 47A04E29 19C74E02 380000E2 40EC4007
947987A0 8007A484 C7A87187 A479C794 7947937A 07F87A88 407A4718 7AC7A000 07A02E07 9CFFC79C
79C7F47A C8407A07 1C007A8 7A47SC79 87F07A08 407A471C 7A47A44E 2919ED0E 0241C000 E240EC40
C79C7987 9C7FC7A0 8447A471 C7A87A87 A079C79C 79C7F07A 48447A47 207A47A0 2FC79C64 C798FFC7
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D-22548

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APOLLO 12 LM/ALSEP

HIGH FREQUENCY TELESEISMS ON TAPE

69-099C-03S

This data set has been restored. There were originally two 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005389	DS005389	D022552	1	04/17/71 - 07/11/71
		D022553	2	01/02/72 - 01/13/75 (a)

o (a) D022553: Read errors occurred in records 34, 54, & 1031 of file 1.

Refer to 69-099C-03R

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IEF285I   SYS1.ALGLIB                                    KEPT
IEF285I   VOL SER NOS= K3SYS6.
IEF285I   SYS76043.T091706.RV000.YZJRJLR3.LODMOD         PASSED
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76043.T091706.SV000.YZJRJLR3.R0000581       SYSOUT
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76043.T091706.SV000.YZJRJLR3.R0000582       SYSOUT
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76043.T091706.RV000.YZJRJLR3.R0000583       DELETED
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS76043.T091706.RV000.YZJRJLR3.S0000584       SYSIN
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76043.T091706.RV000.YZJRJLR3.S0000584       DELETED
IEF285I   VOL SER NOS= K3SCR3.
IEF373I STEP /LINK    / START 76043.1222
IEF374I STEP /LINK    / STOP  76043.1230 CPU    0MIN 01.99SEC MAIN 130K LCS    0K
- STEP 01 -      RETURN CODE = 0000                    STEP TIME =      .21 MINS=(CPU=      .03,IO=      .18)
                                  IO IN SECS. DISK=    10.47,DRUM=      .56,TAPE=      .00,CELL=      .00,OTHR=      .16
      XXGO       EXEC PGM=*.LINK.SYSLMOD,COND=(4,LT),REGION=70K                    00000230
      XXFT05F001 DD  DDNAME=DATA5                                                  00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)         00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                  00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),        00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                             00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //         DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //             VOL=SER=JJ0024
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR3 GO
IEF237I 232   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 332   ALLOCATED TO FT06F001
IEF237I 332   ALLOCATED TO FT07F001
IEF237I 331   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001
```

<

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 0C01ECC0 00022883

<

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 0C01ECC0 00022883

<

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

D-22532
4/17/7 - 7/11/7

```
22883133 C602FFC0 00E240EC 5A07F07F 07E88247 E48287E4 7F87E87E C7F07F07 F07E8824 7E48247E
47F87E87 EC3C47F0 8F87F4DD 47F07EC8 247E8820 7E87F800 07F07F07 F07EC824 7E481C7E 47FC7E87
EC228831 596602FF C00CE240 EC5A87F0 7F07E882 47E481C7 E47FC7E8 7EC7F07F 07F07E88 247E481C
7E47FC7E 87EC0CC7 F04107F0 F807F07E C8247E88 207EC7FC 0007F07F 07F07EC8 247E4820 7E47FC7E
87EC2288 317F4602 FFC000E2 40EC5B07 F47F07E8 8247E482 47E48007 E87EC7F0 7F47F47E C8207E88
247E4800 7E87EC2A 07F08F87 F4DD87F4 7EC8207E C8287E87 FC0007EC 7F07F07E C8207E48 2C7E47FC
7E87EC22 8831A4F6 02FFC000 E240EC58 87F07F07 E88207E4 82C7E47F C7E87EC7 F07F07EC 7E88207E
```

Apollo 12
69-099C-035

48[illegible]48	04804828	80483080	481C8048	04054804	61C80461	48048048	28804834	80481C00	08048048
04804828	80483480	481C8048	043DFE68	4D9402FF	C000E240	EC618804	80480482	88048348	0481C804
80480880	48048048	28804834	80481C80	48041048	049B0804	F3480480	48288048	3480481C	00080480
48048048	28804834	80481C80	48043DFE	68734402	FFC000E2	40EC6208	04804804	82880483	480481C8
04804804	80480480	48288048	3480481C	80480401	080461C8	04614804	80482C80	48348048	1C000804
80480480	482C8048	3480481C	80480430	FE689904	02FFC000	E240EC62	88048048	0482C800	83480481
C8048048	04804804	80482C80	48348048	1C804804	19480498	0804F348	0480482C	80483480	481C0008
04804804	80482880	08348048	1C804804	3DFE68BE	C402FFC0	00E240EC	63080480	48048288	04834804
81C80480	48088048	04800828	80083480	081C8048	04000804	61C80461	48048048	28804834	80481C00
08048048	04804828	80483480	481C8048	043DFE68	E48402FF	C000E240	EC638804	80480482	88048348
0481C804	804E0480	48048048	28804834	80481C80	48041B08	049B0804	F3480480	48288048	3480481C
00080480	48048048	28804834	80481C80	48043DFE	690A3402	FFC000E2	40EC6408	04804804	82880483
480481C8	04804804	80480480	48288048	3480481C	80480B2E	480461C8	04614804	80082C80	48348048
1C000804	80480480	482C8048	3480481C	8048043D	FE693004	02FFC000	E240EC64	88048048	0482C804
83480481	C8048048	04804804	80482C80	48348048	1C804804	00080B9B	0804F348	0480482C	80083480
081C0008	04804804	80482C80	08308048	1C804804	3DFE6955	B402FFC0	00E240EC	65080480	480482C8
04834804	81C80480	48048048	04804828	80483480	481C8048	04000804	61C80461	48048048	28804834
80481C00	08048C48	04804828	80483480	481C8048	043DFE69	787402FF	C000E240	EC658804	80480482
88048348	04818604	80480880	48048048	28804834	80481880	48040008	049B0804	F3480480	48288048
3480481C	00CE0480	48048048	28804834	80481C80	48043DFE	69A12402	FFC000E2	40EC6608	04804804
82880483	480481C8	04804804	80480480	48288048	3480481C	8048041F	480461C8	04614804	80482880
48348048	1C000804	80480480	48288008	3480481C	80480430	FE69C6E4	02FFC000	E240EC66	88048048
00828800	83480481	C8048048	04804804	80482880	08348048	1C804804	2D080493	0804F348	04804828
80483480	481C0C08	04804804	80482880	C8348048	1C804804	3DFE69EC	A402FFC0	00E240EC	67080480
48048288	00834804	81C80480	48048048	04804828	80483480	481C8048	04200804	61C80461	48048048
28804834	80481C00	08048048	04804828	80483480	481C8048	043DFE6A	126402FF	C000E240	EC678804
80480482	88048348	0481C804	80480480	48048048	28804834	80481C80	48041E08	049B0804	F3480480
482C8048	348C481C	00080480	48048048	2C804834	80481880	48043DFE	6A382402	FFC000E2	40EC6808
04804804	82C80C83	48048188	04804804	80480480	482C8048	3480481C	8048083D	FE6A5DD4	02FFC000
80482C80	48348C48	1C000804	80480480	482C8048	3480481C	8048083D	FE6A5DD4	02FFC000	E240EC68
88048048	0082C800	83480481	C8048048	04804804	80482880	48348048	1C804804	00080B9B	0804F348
04804828	80483480	481C00C8	04804804	80482880	48348048	1C804804	3DFE6A83	9402FFC0	00E240EC
69080480	48048288	04834804	81C80480	48048048	04804828	80483480	481C8048	04228804	61C80461
48048048	28804834	80481C00	08048048	04804828	80083480	481C8048	043DFE6A	A95402FF	C000E240
EC698804	804E0C82	C8008348	0481C804	80480480	48048048	2C804834	80481C80	48041408	049B0804
F3480480	482C8008	3480481C	00080480	48048048	2C800834	80481880	48043DFE	6ACF0402	FFC000E2
40EC6A08	04804800	82C80083	48048188	04804804	80480480	482C8008	3480481C	8048043D	FE6AF4C4
04614804	80482C80	48348048	1C000804	80480480	482C8008	3480481C	8048043D	FE6AF4C4	02FFC000
E240EC6A	88048048	0082C800	83480481	C8048048	04804804	80482880	48348048	1C804804	00080498
0804F348	04804828	80483480	481C0008	04804804	80482880	08348048	1C804804	3DFE6B1A	8402FFC0
00E240EC	6B080480	48008288	00834804	81C80480	48048048	04804828	80483480	481C8048	04000804
61C80461	48048C48	28804834	80481C00	08048048	04804828	80483480	481C8048	043DFE6B	4044402FF
C000E240	EC6B8E04	80480482	88048348	0481C804	80480480	48048048	28804834	80481C80	48043488
049B0804	F3480480	48288048	34804818	00080480	48048048	28804834	80481880	48043DFE	6B660402
FFC000E2	40EC6C08	04804804	82C80483	480481C8	04804804	80480480	482C8048	3480481C	80480430
80461C80	04614804	80482C80	48348048	1C000804	80480480	482C8008	3480481C	8048043D	FE6B8BC4
02FFC000	E240EC6C	88048048	04828804	83480481	C8048048	04804804	80482880	08348048	1C804804
00080498	0804F348	04804828	80483480	481C0008	04804804	80482880	08348048	1C804804	3DFE6BB1
7402FFC0	00E240EC	40080480	48048288	00830804	81C80480	48048048	04804828	80483080	481C8048
04000804	61C80461	48048048	28804834	80481C00	08048048	04804828	80083480	481C8048	043DFE6B
D73402FF	C000E240	EC40C808	80480482	88008348	0081C804	80480880	48048008	28800834	80081C80
48042F48	049B0804	F3480480	482C8048	3480481C	00080480	48048048	28800834	8048C180	48043DFE
68FCE402	FFC000E2	40EC4108	04804800	82880083	480481C8	04804804	80480480	482C8048	3480481C
80480403	48C861C8	04614804	80482C80	48348048	1C000804	80480480	482C8048	3480481C	80480430
FE6C22A4	02FFC000	E240EC41	88048048	0482C800	83480481	C8048048	04804804	80482880	48348048
1C804804	3C880498	0804F348	0480482C	80483480	481C0008	04804804	80482C80	48348048	1C804808
3DFE6C48	6402FFC0	00E240EC	42480480	48048288	00834804	81C80480	48088048	04804828	80483480
481C8048	041D8808	61C80861	48048C48	28804834	80481C00	08048048	04804828	80483480	481C8048
043DFE6C	6E2402FF	C000E240	EC428804	80480482	88048348	0481C804	80880880	88048048	28800834
80081C80	480434C8	04980804	F3480480	48288048	3480481C	00080480	48048048	28804834	80481C80
48043DFE	6C93E402	FFC000E2	40EC4308	C8804804	82880483	480481C8	04804804	80480480	48288048
3480481C	80480430	080461C8	04614804	80482880	48348048	1C000804	80480480	48288048	3480481C
8048043D	FE6CB994	02FFC000	E240EC43	88088048	04828804	83480481	C8048048	04804804	80082880
08348048	1C804C04	1A480898	0804F348	04804828	80483480	481C0008	04804804	80482880	08348048
1C804804	3DFE6CDF	5402FFC0	00E240EC	44080480	48008288	00834804	81C80480	48048048	04804828
80483480	481C8048	04088804	61C80461	48048048	28804834	80481C00	08048048	04804828	80483480
481C8048	043DFE6D	051402FF	C000E240	EC448804	80480482	88048348	04818804	80480480	48048048
28800834	80481C80	480434C8	049B0804	F3480480	08288048	3480481C	00080480	48048048	28804834
80481C80	48043DFE	6D2AC402	FFC000E2	40EC4508	04804804	82880483	480481C8	04804804	80480480
48288048	3480481C	80480400	080461C8	04614804	80482880	48348048	1C000804	80480480	482C8048
3480481C	80480430	FE6D5084	02FFC000	E240EC45	88048048	0082C800	83480481	C8048048	04804804
80482C80	48348C48	1C804804	00080498	0804F348	0480482C	80483480	481C0008	04804804	80482C80
48348048	1C8C4804	3DFE6D76	4402FFC0	00E240EC	46080480	48008288	00834804	81C80480	48048048
04804828	80483480	481[illegible]048	04000808	61C80461	48048048	28804834	80481C00	08048048	04804828
80483480	481C8C48	043DFE6D	9C0402FF	C000E240	EC468804	80480482	88048348	0481C804	80880880
48048048	288C4834	80481C80	48040088	089B0804	F3480480	48288048	3480481C	00080480	48048048
28804834	8C481C80								

APOLLO 14 LM/ASLEP

HIGH FREQUENCY TELESEISMS ON TAPE

71-008C-04S

This data set has been restored. There was originally one 7-track, 800 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 an IBM 360 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
DR005903	DS005903	D022554	1	04/17/71 - 01/13/75

o D022554: Read error occurred in record 58 of file 1.

Refer to 69-099C-03R

D-22554
14, S

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

57556ECF 01D4C400 CE01ECC0 00022E82

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

22882CF1 -
043409C10

57556ECF 01D4C400 CE01ECC0 00022E82

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

22882CF1	1EC20000	CCE240EC	528E4EE4	884C7E48	5C7CC850	810854BE	08508508	508507E4	8547CC85
08108508	50358850	EC4E4C8C	CE4C8E07	E48507CC	85481485	48548548	5084C7E4	8507CC85	0814E508
5022882D	16D60200	CC0CE240	ECE30E4C	84C84C7E	4E4E7CC8	4C81484C	8508508E	08548547	E48547CC
85481485	C84C00C8	4C11EE4C	000E4C85	C7E48507	CC84C810	84C84C84	C8508507	E48547CC	85881CE5
88582288	2D3C8602	0C0CCCE2	40EC5388	54850850	7F484C7C	C8488108	48844848	84884C84	C7E48507
D0E50E10	8E4E5401	CE54ECA8	548CCE54	8507E485	C7D084C8	1484C850	85085C85	C7E484C7	CC84C810
84CE5022	892D6246	C20C0000	E240EC54	085885EE	5E7E4858	7C885481	08508508	4C848848	8487EE84
87C88488	1484CE50	338E5C11	E65C0C08	508547EE	E5E7CC85	88148548	5485084C	84C7E885	07D08508
14850850	22882D88	CE020000	00E24CEC	548E54E5	CE4C7E48	487D0848	81484C85	08548548	54E547E4
8547CC85	C8148508	4C0E4E4C	8C4E488C	084C85C7	EC8507CC	E5081CE5	08508508	508507E4	8547DC85
C81C8508	50228E2C	ADCE0200	000CE240	EC5E085C	E5085 07E	48507D0E	50810E50	E5085084	CE4C84C7
E484C7D0	E5CE1CE5	CE5428C8	5411C854	000E54E5	C7E48507	CC850810	85085085	48548507	EC8487CC
84881094	884C2288	2CD37602	0C0C0CE2	40EC5588	E4854854	7E48547C	C8508148	50850850	85085C85
07E884C7	CC84C814	E4CE4C17	C8488C48	488C0848	8487E884	C7CCE548	1485885C	E5C85885	87E88507
D0850E14	85CE5022	8E2DF936	C20CCC00	E240EC56	CE448448	447E484E	7D085081	08548588	5E858E54
8507E485	**C7CC84C8**	**1C84E848**	**098E4E11**	**C84C000B**	**4C84C7E8**	**84C7CC8E**	**0814E508**	**50850850**	**8547E885**
C7CC85C8	14E58854	228E2F1E	F6020000	00E240EC	56884884	48447E88	447D0848	81084884	CE508588
588587E4	8567D885	EE1CE548	5C0CCE4C	8C484B8C	CE448447	E48487D8	85081485	48548548	546507E4
8547D485	88148548	EC22E82E	44A6C200	000CE240	EC5704C	84CE4C7E	48487D08	4881484C	84C85C84
C85C84C7	E4E507CC	E50E1465	4E5417C8	541 18854	0C085085	07E48507	C8850814	85085084	C84C8507
E4E507C8	E5C81C85	2E6A6E02	000C00E2	4CEC5788	50850850	7E08507C	884C8108	4CE4CE4C	
85085485	47DC8547	CE8E4E10	E54E501A	08508C48	5C8C0854	8547DC85	47C88548	10854850	84C84884
C7DC8507	CE850E10	E50EE022	882E9C26	C20C0000	E24CEC58	085485C8	4C7E084C	7CC84C81	0E4C8508
50850E50	E5C7E485	C7DCE508	1C85CE50	16CE5011	86540008	548547E8	8507D085	08148508	5084CE4C
8507EE85	47D08548	1C8E4850	228E2E85	E60200C0	0CE240EC	5884CE4	88487E88	4C7D084C	81C85C85
085C8508	50E547E8	E547D485	08148508	5017484C	8C484C8C	084C8507	EC8507D8	85081485	0E5084C8
4CE507E8	E5C7D085	CE14E4C8	4C22882E	DB9602CC	CC0CE240	EC59084C	8508547E	88547CC8	5C814E4C
84C84C84	C8508547	E4E547C8	E50E1485	C8503288	5C118850	00085485	47E08507	C8850810	85C84C84
C84C84C7	E084C7C8	E5CE1085	CE5C2288	2F015602	0C0000E2	40EC5988	54854854	7E08547C	CE508108
5085CE4C	84CE4C84	C7ECE4C7	CC85CE10	E50E5412	E65C8C48	508C084C	84C7E085	07CC8508	1C854E54
85CE5C84	C7E484C7	CC85C810	E50E5422	E82F2716	02000000	E240EC5A	0850E4C8	4C7E884C	7CC84C81
08508508	54E54E54	E5C7E485	07CC8508	14850850	3C85011	C8500008	4C84C7E4	8487D084	881484C8
50854854	8547E4E5	47D4E508	148EC E50	22882F4C	D6020000	00E240EC	5A884C84	C8487E88	4C7D4E4C
81485C84	C84C84C8	5C8E5C7EC	8547DC85	481485 4E	5400C850	8C48508C	08508507	EC8507CC	84C81484
C8508508	50E507E8	E507C884	C81484C8	4C22882F	72860200	0000E240	EC5B084C	8508547E	4E547C88
54810854	E50E5085	C85CE4C7	EC84C7CC	84CE1484	C64C2988	5011C850	0008508E	47E08547	CC858E10
8585E885	485084C7	EC84E7CC	848E1084	C84C22E8	2F5E4602	000000E2	40EC5E88	4C850850	7E08547C
C8548108	54E58E58	E54E5085	C7E4E4C7	CC84C810	84CE4808	484C8C48	4C8C084C	8507E485	C7CC8508
14850850	E5085485	E7E4E587	DC8E54814	E50E4C22	8E2F3EC6	02000000	E240EC5C	084884C8	4C7E4E4C
7D484C81	48508548	5E85E854	E547E485	C7D485C8	14850850	36C85011	C8500008	508507E8	8507DC85
08148508	5CE4CE4C	8507E885	47DC8548	14854854	22862FE3	E6020000	00E240EC	5C885485	0E507E48
4C7D0848	81484E84	CE4CE508	5085C7E4	E507CC85	4E148508	50000840	8C484C8C	08508507	E4E507CC
8508108E	0E4C84C8	5CE5C7E4	E5C7CC85	481C8548	5E228830	C9760200	0000E240	EC5D0854	85085C7E
48507CC8	50810850	E4CE4C84	C84C84C7	E48507CC	E5081085	08501688	4C11C84C	00084884	C7E484C7
CC84CE10	E5CE5085	CE5CE547	F48587CC	E58810E5	48502288	302F3602	000000E2	40EC5D88	4C84CE4C
7E4E4C7D	C84E81C8	4E84E6E8	4E7E485E7	DCE58810	85485429	88548C48	54850854	8547E485	
47D08508	14E5084C	E4CE4C84	C7E48507	D0850814	85085022	883054F6	02000000	E240EC5E	0E508548
547E4854	7DCE5081	4E4CE4C8	44844E44	8487E484	C7DC8548	1485685C	2C085C11	C85C0008	586587E4
8507DC84	88148448	4484E84C	8507E485	07CC85C8	1C850850	22883074	A6020000	00E240EC	5E885485
48547E88	547CC854	E10E5084	CE4E8488	488487E8	E4C7CC84	C8108508	501CC854	8C48508C	0E5084C7
E86507CC	E5C810E5	4E54E548	548507E4	8507D085	CE108508	4C228830	A0660200	000E240	EC5F0E44
84884874	484C7D08	5C81CE54	E58E5E85	8854854 7	E48507D0	85081084	C84C1A48	4C118848	00C84C85
07E08507	DCE50E10	E5CE5C85	4E548547	E48547CC	E5CE1485	C8502286	30C62602	000000E2	40EC5F88

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000CE240 EC580824 82AE247F 88247A88 247F0824 82AE2482 48248247 FC8247A8 8247F082 48240EC8
24604824 ACEE2482 47FC8247 A88247F0 824E2482 4E248247 FC8247A8 8247F082 48240434 076B0502
000000E2 40EC5888 24824824 7FCE247A 88247F08 24824824 82482482 47FC8247 A88247F0 82482408
C8248C08 24840E24 8247FC82 47A88247 F0824824 82AE2482 47FC8247 A88247FC 82482404 34C7BCC5
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85020000 0CE240FC 598E2482 48247FC8 247A8828 7F0E2882 48248248 248247FC 8247A882 47F08248
24144824 80C82484 C824E247 FC8247A8 8247F0E2 4E248248 208247FC 8247A882 47F08248 24043407
FC350200 C00CE240 EC5AC824 82482247F C8247A88 247F0824 82482482 48248247 FC8247A8 8247FC82
48242C48 246C4824 AC8E2482 47FC8247 A88247F0 82482482 48248247 FC8247A8 8247F082 48240434
0821F502 C00000E2 4CECE5A88 248248E24 7FCE247A 88247F08 24824824 82482482 47FC8247 A88247F0
8248240E 48248008 248AC824 8247FC82 47A88247 FC824824 82482482 47FC8247 A88247F0 82482404
340847B5 02000000 E240EC5B 08248248 247FC824 7A8E247F 08248248 24824824 8247FC82 47A88247
F0824824 29E8246C 4E24AC88 248247FC 8247A882 47F08248 24824824 8247FC82 47A88247 FCE24E24
C4340E6D 65020000 0CE240EC 58882482 48247FC8 247A8824 7F082482 48248248 248247FC 8247A882
47F08248 243F0824 8C0E2484 C8248247 FC8247AE 8247F082 48248248 248247FC 8247A882 47F08248
24043408 93250200 C00CE240 EC5C0E24 8248247F CE247A88 247F0824 82482482 48248247 FCE247A8
8247FC82 48240EC8 246C4824 AC482482 47FC8247 A88247F0 82482482 48248247 FC8247A8 8247FC82
48240434 0888E502 C00C00E2 40EC5C88 24824824 7FC8247A 88247F08 24824824 82482482 47FC8247
A88247F0 82482400 CE248008 24340E24 8247FC82 47A88247 F0824824 82482482 47FC8247 A88247F0
82482404 340EDEA5 C20C0000 E240EC5D C8248248 247FC824 7A88247F 08248248 24824824 8247FC82
47A88247 FC824824 CE4E2460 4824AC48 248247FC 8247A882 47F08248 24824824 8247FC82 47A88247
FC824824 04340904 5502C000 00E24CEC 5D882482 CE247FC8 247AE824 7F082482 48248248 24E247FC
8247A882 47FC8248 2414E824 8CCE2484 48248247 FC8247A8 8247F082 48248248 248247FC 8247AC82
47F08248 24043409 2A150200 000CE240 EC5E0824 82482247F C8247A88 247F0824 82482482 48248247
FC8247AE 8247F082 4E242688 246C4E24 AC482482 47FC8247 A88247F0 82482482 48248247 FCE247A8
8247F082 48240434 C94FC502 000C00E2 40EC5E86 24824824 7FC8247A 88247F08 24824824 82482482
47FC8247 AE8247F0 E24E240A 88248CC8 248408824 8247FC82 47A88247 F0824824 82482482 47FC8247
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248247FC 8247AE82 47FCE248 2412CE24 80082484 C8248247 FC8247A8 8247F082 48248248 24E247FC
8247A882 47F08248 24042409 C10E0200 000CE240 EC600824 8248247F C8247A88 247F0820 82082C82
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FCE247A8 8247FC82
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RECORD 1525 OF FILE 1
LENGTH = 7290 BYTES

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```

APOLLO 15 LM/ALSEP

HIGH FREQUENCY TELESEISMS ON TAPE

71-063C-01S

This data set has been restored. There was originally one 7-track, 800 BPI tapes 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 an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005648	DS005648	D022555	1	01/02/72 - 01/13/75

Refer to 69-099C-03R

```
IEF285I   VOL SER NOS= K3SYS6.
IEF285I   SYS76049.T072707.RV000.YZJRJLR1.LODMOD        PASSED
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76049.T072707.SV000.YZJRJLR1.R0001442      SYSOUT
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS76049.T072707.SV000.YZJRJLR1.R0001443      SYSOUT
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76049.T072707.RV000.YZJRJLR1.R0001444      DELETED
IEF285I   VOL SER NOS= K3SCR5.
IEF285I   SYS76049.T072707.RV000.YZJRJLR1.S0001445      SYSIN
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76049.T072707.RV000.YZJRJLR1.S0001445      DELETED
IEF285I   VOL SER NOS= K3SCR3.
IEF373I STEP /LINK     / START 76050.0347
IEF374I STEP /LINK     / STOP  76050.0347 CPU    0MIN 01.19SEC MAIN 130K LCS    0K
- STEP 02 -     RETURN CODE = 0000                                    STEP TIME =      .19 MINS=(CPU=      .01,IO=      .18)
                                    IO IN SECS. DISK=    10.40,DRUM=      .56,TAPE=      .00,CELL=      .00,OTHR=      .17
      XXGO       EXEC PGM=*.LINK.SYSLMOD,COND=(4,LT),REGION=70K                  00000230
      XXFT05F001 DD  DDNAME=DATA5                                                00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)       00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),      00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                             00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //       DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //         VOL=SER=JJ0018
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR1 GO
IEF237I 232   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 332   ALLOCATED TO FT06F001
IEF237I 332   ALLOCATED TO FT07F001
IEF237I 332   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001
```

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 0F01ED00 00000F19

D-12555
01/02/72 - 01/13/75

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 0F01ED00 00000F19

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

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8E408748 741AC878 87087855 487C87C7 F487C818 87C64000 08788788 788787F4 87C81C87 C64087C8
7800F19F 505262FF C006E240 EC5B8874 874874 7F 487881C8 7864487C 87C87C87 C878FFC7 F887481C
87464487 887C1C48 8071C880 FFC88087 87F48748 18874640 00087487 887C87C7 F487881C 87463C87
487800F1 9F761202 FFC000E2 40EC5C08 7C88087C 7F487C81 C87863C8 74874874 878878FF C7F887C8
1C87C640 87C87C34 C87CB7C8 7C55087C 87C7F487 881887C6 4000087C 87C87C87 C7F48788 18878640
87487400 F19F9BD2 02FFC000 E240EC5C 887C8808 7C7F487C 81887864 08788748 74874874 FFC7F487
C8188806 40888B7C 00087871 C874EFC8 748747F4 87481887 86400908 7C87C87C 8787F487 48188746
4087887C 00F19FC1 8202FFC0 0CE240EC 5D087C87 C8787F48 78818878 64087887 88788788 78FFC7F4
87881887 86408788 78278878 87087855 087C87C7 F487C818 87C64000 08748748 748787F4 88081887
C64087C8 7C00F19F E74202FF C000E240 EC5D8878 8788747F 487481C8 78640878 87C87C87 C878FFC7
F487881C 87864087 887C2888 7C72087C FFC87887 87F48788 1C878640 00087887 C87C87C7 F487481C
87464087 487800F1 A00D0202 FFC000E2 40EC5E08 8088087C 7F487881 C8786408 78878878 878878FF
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Apollo 15
71-063C-01S

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F47E47F4	7A47F47F	47F47F87	F80007E8	7F87E47F	87A47F47	F408C7F4	8D87F43F	C7F87F87	E87FC7E4
7FC7A400	07FC7F87	F87F47E8	7F47E47F	47A47F87	FC043405	BF9502FF	C000E240	EC6087FC	7F87F87E
87F47E47	F47A07F4	7F47F87F	87F80007	E87F87E4	7F87A07F	47F43687	F42987F8	8407F87F	87E87F47
E47F47A0	0007F87F	87FC7FC7	E87F47E4	7F47A07F	47F40434	05E55502	FFC000E2	40EC6107	F87F87F8
7EC7F87E	47F47A07	F47F87F8	7F87F800	07EC7F47	E87F47A0	7F47F800	07FC8D87	FC3FC7FC	7F87EC7F
47E47F47	A4000C7F4	7F47F87F	87EC7F87	E47F47A4	7F47F804	34060B15	02FFC000	E240EC61	87F87F87
F47EC7F0	7E47F07A	87F47F47	F87FC7FC	0007EC7F	47E47F07	A87F07F4	0007F829	47FC8407	FC7F87E8
7F87E47F	47A80007	F87F87F8	7F87E87F	47E47F47	A87F47F4	04340630	D502FFC0	00E240EC	6207FC7F
C7F87E87	F87E47F8	7A47F87F	87F87F87	F80007E8	7F47E47F	47A07F47	F400C7F8	8D87F83F	C7F87F47
E87F47E4	7F47SC00	C7FE7F87	F87F87E8	7F07E47F	07A07F07	F4043406	568502FF	C000E240	EC6287F8
7E87E87E	87E47E47	F47A07F4	7F47F47F	87F80007	EC7F87E4	7F87A47F	47F420C7	F42987F4	8407F47F
47E87F87	E47F87A0	0007F87F	87F87F87	E87F07E4	7F07A47F	07F40434	067C4502	FFC000E2	40EC6307
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7F47E87F	47E47F47	A80007F8	7FC7FC7F	87E87F07	E47F07A4	7F07F004	3406A205	02FFC000	E240EC63
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F87F87E8	7F87E47F	87A40007	F87F87F8	7F47E87F	47E47F47	A07F47F4	043406C7	C502FFC0	00E240EC
6407F87F	C7FC7E87	F87E47F4	7A07F47F	07F47F47	F80007E8	7F87E47F	87A07F87	F81807F8	8D87F43F
C7F47F47	E87F47E4	7F47A000	07F87F87	F87F87E8	7F47E47F	07A07F47	F8043406	ED7502FF	C000E240
EC6487FC	7F87E47E	87F47E47	F07A07F4	7F47F87F	C7FC0007	EC7F87E4	7F47A07F	07F00007	F42987F4
8407F87F	87EC7FC7	E87FC7A0	0007F87F	87F47F47	E87F47E8	7F47A47F	47F80434	07133502	FFC000E2
40EC6507	F87F87F8	7E87F47E	47F47A47	F47F47F8	7F87FC00	07E87F87	E47F47A4	7F47F418	47F48D87
F43FC7F8	7F87E87F	87E47F87	A40007F8	7F47F47F	47E87F87	E47F87A4	7F87F804	340738F5	02FFC000
E240EC65	87F87F47	F47E87F4	7E47F47A	47F87F87	F87F87F8	0007E87F	47E47F47	A47F87F8	0007F829
C7F88407	F87F47E8	7F47E47F	87A40007	F87F87F8	7F47E87F	47E47F47	A47F87F8	0434075E	8502FFC0
00E240EC	6607F87F	87F47E87	F47E47F4	7A47F47F	47F87F87	F80007E8	7F87E87F	87A07F47	F40747F4
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F42987F8	8407F87F	87E87F87	E47F87A0	0007F87F	87F87F87	E87F47E4	7F07A07F	07F40434	07AA2502
FFC000E2	40EC6707	FC7FC7FC	7E87F87E	47F47A47	F47F87F8	7FC7FC00	07E87F87	E47F87A4	7FC7FC08
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02FFC000	E240EC67	87FC7FC7	F87E87F4	7E47F47A	47F47F47	F87F87F8	0007E87F	47E47F47	A47F47F4
1EC7F829	87F88407	F87F87E8	7F87E47F	87A40007	F87F87F4	7F47EC7F	47E47F47	A47F47F8	04340745
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47F41E07	F829C7F8	8407F87F	C7E87F87	E87F87A0	0007F87F	87F47F47	E87F47E4	7F47A47F	47F80434
08411502	FFC000E2	40EC6907	F87F87F4	7E87F07E	47F07A87	F07F47F8	7FC7FC00	07E87F87	E47F47A8
7F47F401	C7F88D87	F83FC7F8	7F87E87F	87E47F87	A80007F4	7F47F47F	87E87F87	E47F87A4	7F47F404
340866D5	02FFC000	E240EC69	87F47F47	F47EC7F4	7E47F47A	47F47F47	F47F47F4	0007EC7F	47E47F47
A47F47F4	0A47F029	87FC8407	F07F47EC	7F87E47F	C7A40007	FC7F87F8	7F47EC7F	47E47F47	A47F47F8
0434088C	9502FFC0	00E240EC	6A07FC7F	C7F87E87	F87E47F8	7A07F87F	87F87F87	F80007E8	7F87E47F
479C7F47	F800C7F8	8D87FC3F	C7FC7FC7	E87F87E4	7F479C00	07F47F47	F87F87E8	7F87E47F	87A07F87
F8043408	825502FF	C000E240	EC6A87F8	7F87F87E	87F87E47	F87A47F8	7F87F87F	87F80007	E87F87E4
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7F47A47F	07F40434	096EF502	FFC000E2	40EC4007	FC7FC7FC	7E87F87E	47F47A47	F47F47F8	7F87FC00
07EC7F47	E47F47A4	7F47F800	07F88D87	FC3FC7FC	7F87EC7F	47E47F47	A40007F4	7F47F87F	87EC7F87
E47F87A4	7F87F404	340994B5	02FFC000	E240EC40	C7F87F87	F87EC7F8	7E47F47A	47F47F47	F47F47F8
0C07EC7F	87E47F87	A47F87F8	2F87F829	C7F88407	F87F87EC	7F87E87F	87A00007	F47F47F4	7F47EC7F
47E47F47	A07F47F4	0434098A	7502FFC0	00E240EC	4107F87F	87F87E87	F47E47F4	7A07F47F	47F47F87
F80007E8	7F87E47F	47A07F47	E40347F4	8D87F83F	C7FC7FC7	E87FC7E4	7F87A000	07F47F47	F87F87E8
7F87E47F	87A07F87	F8043409	E03502FF	C000E240	EC4187F8	7F87F87E	87F87E47	7F47F47F	7F47F47F
87F80007	E87F87E4	7F87A87F	47F43C87	F42987F4	8407F47F	87E87F87	E47F87A8	0007F87F	87F87F87
E87F87E4	7F87A87F								

RECORD 1234 OF FILE 1
LENGTH = 7290 BYTES

24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492
49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249
24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492
49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249
24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924
92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492
49249249	24924924	92492492	49249249	24924924	92492492	49249249	24924924	92492492	49249249

APOLLO 16 LM/ALSEP

HIGH FREQUENCY TELESEISMS ON TAPE

72-031C-01S

This data set has been restored. There was originally one 7-track, 800 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 an IBM 360 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
DR005690	DS005690	D022556	1	09/17/72 - 01/13/75

Refer to 69-099C-03R

```
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76100.T163658.RV000.YZJRJLR2.S0000094     DELETED
IEF285I   VOL SER NOS= K3SCR3.
IEF373I STEP /LINK    / START 76100.1712
IEF374I STEP /LINK    / STOP  76100.1712 CPU    0MIN 01.75SEC MAIN 130K LCS   0K
- STEP 02 -      RETURN CODE = 0000                    STEP TIME =     .20 MINS=(CPU=     .02,IO=     .18)
                                IO IN SECS. DISK=   10.45,DRUM=     .56,TAPE=     .00,CELL=     .00,OTHR=     .17
     XXGO       EXEC PGM=*.LINK,SYSLMOD,COND=(4,LT),REGION=70K                    00000230
     XXFT05F001 DD  DDNAME=DATA5                                                  00000240
     XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)         00000250
     IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
     XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                  00000260
     XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),        00000270
     IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
     XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                             00000280
     //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
     //       DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
     //            VOL=SER=JJ0017
     //GO.DATA5 DD *
     //
IEF236I ALLOC. FOR YZJRJLR2 GO
IEF237I 231   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 331   ALLOCATED TO FT06F001
IEF237I 332   ALLOCATED TO FT07F001
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 331   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001
```

D-22556
16, 5

Approved for Release
NR-0315-015

<

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 1001ED00 00054336

<

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 01D4C400 1001ED00 00054336

54336397B1
043409C2D

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

54336397	B1C24CC0	00E240EC	5E87F07E	87E87FC7	F47A07FC	7688007F	87F47EC7	EC7F0800	7F87A47F
C7687F87	EC1D47E4	C787E88F	C7F07F83	007F47D4	7F076800	07EC7EC7	F07F07FC	7F87FC7F	87687F87
F4543363	BD7E0248	0000E240	EC5F07F4	7F47F47F	C7FC8147	F07647F0	7F07EC7E	87EC7F07	FC7F8828
7F87647F	87F41A07	F0FFC7EC	0007F07F	47FC7F88	287F4764	0007EC7E	C7F07F08	007F4800	7F87647F
87FC5433	63E32502	4E0000E2	40EC5F87	E47EC7F8	8047FC7E	47FC7647	F07EC7E8	7EC7F07F	47FC7F87
FC7F4764	7FC7FC22	47F4C787	FC8F07FC	7F07F87F	08387EC7	640007F0	7F07F07E	C7F87F88	507FC764
7FC7F854	33640E5	02388CC0	E240EC60	07EC7F07	F87F87FC	8287F876	87F47F07	EC7EC7F0	7F47F87F
47FC7F47	687F47F4	1EC7F4FF	C7F40007	F07F47FC	7F87DC7F	47680007	F07F87F8	7F87FC7F	87D87FC7
687FC7FC	5433642E	A5C241C0	00E240EC	6C87F07F	07F48007	F87E07F8	7687F47E	C7E87E87	F07F8800
7F87E87F	87687F47	FC37C7F0	C787F48F	C7F47F87	FC7F87CC	7FC76400	07F47F87	F87F47FC	7F47A87F
87647F87	F4543364	54650260	C000E240	EC6107EC	7F07F47F	C7F47BC7	F47647F0	7F07F07F	07F07F07
FC7F47F8	7FE7647F	87F40007	F4FFC7F4	0007F47F	47FC7F48	0C7F0764	0007EC7E	C7F07F07	F87F87E4
7F87647F	87F45433	647A1502	5F4000E2	40EC5187	F07F07F0	7F87F47C	87F47647	F47F47F0	7EC7EC7F
C7F87F47	E87F4764	7F47F415	C7F4C787	F08F07F0	7F07F87F	481C7F07	640007F0	7F07EC7F	07F87F88
147F8768	7F47FC54	33649FD5	025D8000	E240EC62	07EC7F07	F47F87F8	7EC7F876	87F47F07	F07F47F4
7F47FE7F	47EC7F47	687F47F4	01C7F0FF	C7F00007	F07F07F8	7F480C7F	07680007	EC7EC7F0	7F07FC7F
88087F87	687FE7F3	543364C5	95C24C00	00E240EC	6287F07F	07F87FC7	FC7E47F8	7687F47F	07F07FC7
EC7F07FC	7FC7EC7F	47647FC7	F017C7F0	C787EC8F	07FC7F08	007F47FC	7F476400	07EC7EC7	F07F4800
7FC7F87F	C7647F47	F0543364	EB550248	C000E240	EC6307EC	7F07F47F	C7F87DC7	F47647F0	7F07FC7F

```
AC7787AC 7A87AE7A C7B07BC7 FC7E07EC 7AC7747A C7AC0807 AC28C7AC 6347B07A C7F07AC7 FC7A8774
0007A87B 07B47EC7 F07AC7FC 7AC7747B C7B00434 05311502 180000E2 40EC5D87 AC7AC7AC 7F07AC7F
C7AC7747 AC7AC7AC 7AC7AC7A C7FC7AC7 FC7AC774 7A87A814 47AC8707 AC8587B0 7B07F07A C7F87A87
7400C7AC 7BC7B47B 47F07AC7 F87AC774 7AC7AC04 340556C5 0234C000 E240EC5E 07B07AC7 AC7F07AC
7F87AC77 47AC7AC7 AC7AC7AC 7AC7EC7A C7F47AC7 747AC7AC 2687AC28 C7AC6347 AC7AC7EC 7AC7F47A
8774C007 A87AC7B0 7BC7EC7A C7F47AC7 747B07B0 0434057C 85023EC0 00E240EC 5E87AC7A C7AC7EC7
AC7F47AC 7747AC7A C7AC7AC7 AC7AC7EC 7AC7F47A C7747AC7 AC0B07AC 8707AC85 87AC7AC7 EC7A87F8
7A877400 07A87AC7 B07B07EC 7AC7F87A C7747B07 B0043405 A245026B C000E240 EC5F07B0 7AC7AC7E
C7AC7FC7 AC7747AC 7AC7AC7A C7AC7AC7 EC7AC7FC 7AC7747A C7AC0A07 AC28C7B0 6347B07B 07EC7AC7
FC7AE774 C0C7A87B 07B07B07 EC7AC7FC 7AC7747A C7B00434 05C80502 594000E2 40EC5F87 B07AC7AC
7F07AC7F C7AC7747 AC7AC7AC 7AC7AC7A C7FC07AC7 F87AC774 7AC7AC10 07B08707 B085C7B0 7AC7F07A
87F87A47 740007A8 7B07BC7B C7FC07AC7 FE7B0774 7B07B004 3405EDC5 024F8000 E240EC60 07AC7AC7
AC7FC7AC 7F87AC77 47A87A87 AC7AC7B0 7B07F07A C7F87AC7 747AC7AC 0D07AC28 C7AC6347 B07AC7EC
7AC7F47A 87740C07 A87AC7B0 7B07EC7A C7F47AC7 747B07B0 04340613 75023000 00E240EC 6087AC7A
C7AC7EC7 AC7F47AC 7747AC7A C7AC7AC7 AC7AC7EC 7AC7F47A C7747AC7 AC3707AC 8707AC85 C7AC7AC7
EC7AC7F8 7A877400 C7A87AC7 EC7E07EC 7AC7F87A C7747AC7 B0043406 39350200 0000E240 EC6107B0
7AC7AC7F C7AC7F87 AC7747AC 7AC7AC7A C7AC7AC7 F07AC7FC 7AC7747A C7AC2F87 AC2887AC 6347AC7A
C7F07AC7 FC7A8774 0007A87A C7B07B07 FC7AC7FC 7AC7747B 07B00434 065EF502 1B4000E2 40EC6187
B07AC7AC 7FC7AC7F C7AC7747 AC7AC7AC 7AC7AC7A C7FC07AC7 F87AC774 7AC7AC00 07AC8707 AC85C7E0
7AC7F07A C7FE7AE7 74007A87 7BC7B07B 07EC7AC7 F87AC774 7BC7B004 34068485 02340000 E240EC62
C7B07B07 AC7EC7B0 7F47BC77 47AC7AC7 AC7AC7AC 7AC7EC7A C7F47AC7 747AC7AC 00C7AC28 87AC6347
AC7AC7EC 7AC7FC7A 87740007 A87B07B0 7E07EC7A C7F47AC7 747B07B0 043406AA 65023EC0 00E240EC
6287AC7A C7AC7EC7 AC7F47AC 7747AC7A 87AC7AC7 AC7AC7EC 7AC7F87A C7747AC7 AC2107AC 8707AC85
C7B07AC7 EC7AC7F8 7A877400 07AC7B07 B07B07F0 7AC7FC7A C7747B07 B0043406 D025026B 0000E240
EC63C7B0 7AC7AC7F 07AC7FC7 AC7787AC 7AC7AC7B 07B07B07 F07AC7FC 7AC7787A C7AC0287 AC2887B0
6347B07B 07F07AC7 FC7A8778 0007A87B C7B47B47 F07AC7FC 7AC7787A C7AC0434 06F5E502 D9C000E2
40EC6387 B07EC7AC 7F07AC7F 87AC7747 AC7AC7AC 7AC7AC7A C7F07AC7 F47AC774 7AC7AC0C 47AC8707
B08587B0 7AC7EC7A 87F07A87 74C007A8 7AC7B07A C7EC7AC7 F07AC774 7AC7AC04 34071BA5 024FC000
E240EC64 07AC7AC7 AC7EC7AC 7F07AC77 47AC7AC7 AC7AC7AC 7AC7EC7A C7F07AC7 747AC7AC 1987AC28
87AC6347 AC7AC7EC 7AC7FE7A 87740C07 A87AC7B0 7B07F07A 87FC7AC7 747AC7B0 04340741 550230C0
00E240EC 6487BC7A C7AC7F07 AC7FC7AC 7747AC7A C7AC7AC7 AC7AC7F0 7AC7FC7A C7747AC7 AC0007AC
8707AC85 C7E07AC7 F07AC7FC 7A877400 07A87AC7 B07B07F0 7AC7FC7A C7747AC7 AC0007AC 6715020C
0000E240 EC6BC7AC 7AC7AC7F 07AC7FC7 AC7787AC 7AC7AC7A C7B07AC7 F07AC7FC 7AC7787A C7AC00C7
AC2887B0 6347B07A C7F07A87 F87A4774 0007A87A C7B07B07 EC7AC7F8 7AC7747B 07B00434 078CD502
1B0000E2 40EC6587 B07AC7AC 7EC7AC7F 47AC7747 AC7A87A8 7AC7AC7A C7EC7AC7 F47AC774 7AC7AC00
07AC87C7 ACB587AC 7AC7F07A C7F47A87 740007A8 7AC7B07B 07F07AC7 F47AC774 7AC7B004 3407B295
0234C00C E240EC66 07AC7AC7 AC7F07AC 7F47AC77 47AC7AC7 AC7AC7AC 7AC7EC7A C7F87AC7 747AC7AC
0687AC28 87AC6347 AC7AC7EC 7A87FC7A 87740007 A87E07B4 7B07F07A C7FC7AC7 747AC7B0 043407D8
45023EC0 00E240EC 6687AC7A C7AC7F07 AC7FC7AC 7747AC7A C7AC7AC7 AC7AC7F0 7AC7FC7A C7747AC7
AC1947AC 87C7C085 C7B07AC7 EC7A87FC 7A877400 07A87AC7 B07B07EC 7AC7F87A C7747B07 B0043407
FEC5026B CC0CE240 EC6707B0 7AC7AC7E C7AC7F87 AC7747AC 7AC7AC7A C7AC7AC7 F07AC7F4 7AC7747A
C7AC0D47 AC2887AC 6347AC7A C7F07AC7 F47A8774 0007A87A C7B07B07 F07AC7F4 7AC7747B 07B00434
0823C502 594C00E2 40EC6787 AC7AC7AC 7F07AC7F 47AC7747 AC7AC7AC 7AC7AC7A C7F07AC7 F87AC774
7AC7AC1D C7AC8707 AC8587AC 7AC7EC7A 87F87A47 740007A8 7AC7B07B 07EC7AC7 FC7AC778 7B07B004
34084985 024F8000 E240EC68 07BC7B07 B07EC7B0 7FC7AC77 47AC7AC7 AC7AC7AC 7AC7EC7A C7FC7AC7
747AC7AC 0F47AC28 87B06347 B07AC7EC 7A87FC7A 87740007 A87B07B4 7B07F07A C7FC7AC7 747AC7B0
0434086F 35C23000 00E240EC 6887AC7A C7AC7F07 AC7F87AC 7747AC7A C7AC7AC7 AC7AC7F0 7AC7F47A
C7747AC7 ACCC47AC 8707AC85 87AC7AC7 F07AC7F4 7A877400 07A87AC7 B07B07EC 7AC7F47A C7747BC7
B0043408 94F50200 0000E240 EC6907AC 7AC7AC7E C7AC7F47 AC7747AC 7AC7AC7 EC7AC7F4
7AC7747A C7AC00C7 AC2887AC 6347AC7A C7EC7AC7 F87A8774 0007A87A C7B07B07 EC7A87F8 7AC7747A
C7B00434 08BAB502 184000E2 40EC6987 AC7AC7A8 7EC7A87F C7AC7747 AC7AC7AC 7AC7B07A C7EC7AC7
FC7AC778 7AC7ACC0 07AC87C7 AC8587B0 7AC7F07A 87FC7A47 740007A8 7AC7B07B 07F07AC7 FC7AC774
7BC7B004 34C8EC75 02340CC0 E240EC6A 07E07AC7 AC7F07AC 7F87AC77 47AC7AC7 AC7AC7AC 7AC7F07A
C7F87AC7 747AC7AC 0007AC28 87AC6347 BC7B07F0 7AC7F87A 87740007 A87B07B0 7B07F07A C7F87AC7
747BC7BC 0434C906 25023EC0 00E240EC 6A87B07A C7AC7EC7 AC7F47AC 7747AC7A 87A87A87 AC7AC7EC
7AC7F47A C7747AC7 AC0007AC 8707AC85 C7AC7AC7 EC7AC7F4 7A877400 07AC7B07 B07E07EC 7AC7F47A
C7747BC7 B0043409 2BE50268 0000E240 EC6B07AC 7AC7AC7E C7AC7F87 AC7747AC 7AC7AC7B 07B07BC7
EC7AC7F8 7AC77E7A C7AC0447 B028C7B0 6347B07A C7F07A87 FC7A4778 0007A87A C7B07B07 F07AC7FC
7AC7787E 07B00434 0951A5C2 D9C000E2 40EC6887 B07B07AC 7F07AC7F C7AC7787 AC7AC7AC 7AC7AC7A
C7FC7AC7 FC7AC774 7AC7AC14 C7AC8707 BC858780 7B07F07A C7FC7A87 740007AC 7B07B47B 47F07B07
F87BC774 7AC7ACC4 34097765 024FC000 E240EC6C 07AC7AC7 AC7F07A8 7F87AC77 47AC7AC7 AC7B07E0
7AC7F07A C7F47AC7 747AC7AC 1907AC28 C7AC6347 AC7AC7F0 7A87F47A 87740007 A87AC7B0 7B07F07A
C7F47AC7 747B0780 04340C9D 150230C0 00E240EC 6C87AC7A C7AC7F07 AC7F87AC 7747AC7A C7AC7AC7
AC7AC7F0 7AC7FE7A C7747AC7 AC0007AC 8707AC85 87B07AC7 EC7AC7F8 7A877400 07A87B07 B07B07EC
7AC7F87A C7747AC7 AC743409 C2D50200 000CE240 EC4CC7AC 7AC7AC7E C7A87F87 A87747AC 7AC7AC7B
C7B07BC7 F07AC7F8 7AC7747A C7AC0007 AC28C7AC 6347AC7A C7F07A87 F87A4774 0007A87A C7B07E07
FC7AC7F8 7AC7747B
```

RECORD 1153 OF FILE 1
LENGTH = 7290 BYTES

```
24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924
92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492
49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249
24924924 92492492 49249249 24924924 92492492 49249249 24924924 92492492 49249249 24924924
```

APOLLO 12 LM/ALSEP

SELECTED MOONQUAKE EVENTS ON TAPE

69-099C-03T

This data set has been restored. There were originally two 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005593	DS005593	D022557	1	01/17/72 - 04/23/72 (a)
		D022558	2	09/23/72 - 10/15/72 (b)

- (a) D022557: Read errors occurred in records 517,& 998 of file 1.
- (b) D022558: Read error occurred in record 3 of file 1.

Refer to 69-099C-03R

```
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)     00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=E,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)             00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),   00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX              SPACE=(CYL,(0,1)),UNIT=(DISK,3)                         00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //         DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //              VOL=SER=JJ0013
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR5 GO
IEF237I 231   ALLOCATED TO PGM=*.DD
IEF237I 331   ALLOCATED TO FT05F001
IEF237I 331   ALLOCATED TO FT06F001
IEF237I 232   ALLOCATED TO FT07F001
IEF237I 331   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001

                                    RECORD      1  OF FILE    1
                                    LENGTH =      18  BYTES

   575565CF  00000000  0C01DB40  00105869

                                    RECORD      2  OF FILE    1
                                    LENGTH =      18  BYTES

   575565CF  00000000  0C01DB40  00105869

                                    RECORD      3  OF FILE    1
                                    LENGTH =    3645  BYTES

   0586996F  C3027840  00E240EC  42883878  C7C08387  BC7C0348  78C85C83  87BC7C00  0083873C  7C000000
   00586999  58302780  000E240E  C4308387  BC7C0838  7BC7C02D  CDA4C1C8  387BC7C0  0008347B  C7C00000
   00058699  BB430278  4008E240  EC438834  7BC7C083  47BC7C00  5078C85C  8307BC7C  00008347  BC7C0000
   00005869  9E0F3027  88000E24  0EC44083  473C7C08  347BC7C0  26CDA8C1  C8347BC7  C0000934  7BC7C000
   00000586  9A06B302  7800 0E2  40EC4488  347BC7C0  83473C7C  039878C8  5C8347BC  7C000033  47BC7C00
   00000058  69A2C730  2F8C000E  240EC450  8347BC7C  08347BC7  C0000DA4  C1C8347B  C7C40008  347BC7C4
   00000005  869A5233  0278C000  E240EC45  88347BC7  C4834 7BC  7C000078  C85C8347  BC7C0000  8347BC7C
   00000000  5869A77F  30278C00  0E240EC4  608387BC  7C08387B  C7C0000D  A8C1C838  78C7C000  08347BC7
   C0000000  05869A9D  A3027800  00E240EC  46883478  C7C08347  BC7C0000  78C85C83  47BC7C00  008347BC
   7C000000  005869AC  36302780  000E240E  C4708347  BC7C0834  7BC7C000  0DA8C1C8  347BC7C0  0008347B
   C7C00000  0005869A  E9230278  C000E240  EC478834  7BC7C083  47BC7C01  4478C85C  8347BC7C  00008347
   BC7C0000  00005869  B0EE3027  80000E24  0EC48083  47BC7C08  347BC7C0  000DA4C1  C8387BC7  C0000838
   7BC7C000  00000586  9B34A302  78C000E2  40EC4888  387BC7C0  8387BC7C  00C878C8  5C83873C  7C000083
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22557
01/17/72 - 4/23/72

Apollo 12
69-098C-03H

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RECORD 3 OF FILE 1
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D-22558
9/23/71 - 10/15/71

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```

APOLLO 14 LM/ALSEP

SELECTED MOONQUAKE EVENTS ON TAPE

71-008C-04T

This data set has been restored. There were originally two 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005594	DS005594	D022560	1	08/04/71 - 10/15/71
		D022559	2	01/17/72 - 04/23/75

Refer to 69-099C-03R

```
IEF285I    VOL SER NOS= K3SYS6.
IEF285I    SYS76050.T085602.RV000.YZJRJLR1.LODMOD        PASSED
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76050.T085602.SV000.YZJRJLR1.R0000521      SYSOUT
IEF285I    VOL SER NOS= K3SCR2.
IEF285I    SYS7605C.T085602.SV000.YZJRJLR1.R0000522      SYSOUT
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS7605C.T085602.RVC00.YZJRJLR1.R0000523      DELETED
IEF285I    VOL SER NOS= K3SCR4.
IEF285I    SYS7605C.T085602.RVC00.YZJRJLR1.S0000524      SYSIN
IEF285I    VOL SER NOS= K3SCR4.
IEF285I    SYS7605C.T085602.RV000.YZJRJLR1.S0000524      DELETED
IEF285I    VOL SER NOS= K3SCR4.
IEF373I STEP /LINK     / START 76050.1828
IEF374I STEP /LINK     / STOP  76050.1828 CPU    0MIN 01.64SEC MAIN 130K LCS    0K
- STEP 02 -      RETURN CODE = 0000                          STEP TIME =      .20 MINS=(CPU=      .02,IO=      .18)
                                        IO IN SECS. DISK=    10.45,DRUM=      .56,TAPE=      .00,CEL_=      .00,OTHR=      .17
      XXGO       EXEC PGM=*.LINK,SYSLMOD,COND=(4,LT),REGION=70K                                    00000230
      XXFT05F001 DD  DDNAME=DATA5                                                                  00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)                         00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=E,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                                  00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),                        00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                                               00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //        DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //             VOL=SER=JJ0078
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR1 GO
IEF237I 232   ALLOCATED TO PGM=*.DD
IEF237I 231   ALLOCATED TO FT05F001
IEF237I 332   ALLOCATED TO FT06F001
IEF237I 332   ALLOCATED TO FT07F001
IEF237I 332   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 0C0   ALLOCATED TO FT08F001
```

RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 00000000 0E01DB40 00005869

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 00000000 0E01DB40 00005869

D-22559
1/17/72 - 4/23/75

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

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05865547 33020C00 C0E240EC 48083883 88387F48 387C8838 7B483883 88388388 388387F8 8387CC83
87BC8388 38134838 DE083861 08388387 F88387CC 8387CC83 88388388 388387F8 8387CC83 87E48388
38058695 6CF30200 0000E240 EC488838 8348387F 88387CC8 387FC838 83883883 88388387 F88387CC
83881483 88380C08 38804836 85C83883 C7F88387 CC838824 83883883 88388387 F88387C8 83882C83
88380586 9592B302 000000E2 40EC4908 38838838 7F88387C 88388288 38838838 83883C83 87F88387
C883881C 83883813 4836DE08 3C610838 8387F883 87CC8388 08838838 83883883 87F88387 CC8387F0
83883805 8695B873 02000000 E240EC49 883883C8 3C7F4838 7CC8387D 88388348 34834834 8347F483
87CC8347 C4836834 0EC834B0 C8346SC8 348347F4 8387CC83 87BC8388 38838838 8347F483 47CC8347
88834834 058695DE 23020000 00E240EC 4A083883 88387F88 387CC838 7C083883 883883C8 3C83C7F8
83C7CC83 C7DC83C8 3C34083C DE083C61 083C83C7 F88407CC 8407E883 C83C83C8 3C83C7F8 8387CC83
87FC8388 3C056696 03E30200 C00CE240 EC4A883C 83C83C7F 883C7CC8 3C80C83C 83C83C83 883C83C7
F883C7C8 83C81C83 883E0E48 38804838 85C83883 87FC8387 C8838828 83883883 88388387 FC8387CC
83882883 88380586 9629A302 000000E2 40EC4808 38838838 7FC83C7C C83C81C8 3C83C83C 83C83C83
```

71C7B0FF	C7AC7A87	A87A87A8	7A47D47A	471C7A8F	FC7AC7AC	3687A8FF	C7A80007	A87AC7DC	7B071C7B
0FFC7B47	B07AC7AC	7AC7DC7B	47207B4E	FC7B47B0	248C2393	EF020000	00E240EC	5E07AC7B	07B07D87
B07207B0	FFC7B07A	C7AC7AC7	A87A47E0	7A47207A	4FFC7AC7	AC2D47AC	0007ACFF	C7AC7A87	E47A8720
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DC784720	7B8FFC7B	C7B87B47	B07AC7D4	7AC7247A	CFFC7B07	AC248C24	509F0200	0000E240	EC6087AC
7AC7AC7D	07AC7247	A8FFC7A8	7A47AC7A	07A47A47	D07A8720	7A8FFC7A	C7AC3707	ACFFC7AC	0007A87A
87D87A87	1C7ACFFC	7B07B07B	07B07AC7	DC7AC71C	7ACFFC7B	07B0248C	24766F02	000000E2	40EC6107
B07B07AC	7E47AC71	C7ACFFC7	B07B07B0	7B07B07B	07EC7B47	207B8FFC	7C07B800	07B80007	B0FFC7B0
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87A87A87	AC7C87AC	7207B0FF	C7B47B07	AC7AC7B0	7AC7CC7A	C71C7A8F	FC7A87A8	1247A8FF	C7AC0007
AC7AC7D4	7AC71C7A	CFFC7BC7	AC7AC7AC	7A87D87A	871C7A8F	FC7AC7AC	248C24C1	CF020000	00E240EC
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ACFFC7B0	0007AC7A	C7D47A87	207A4FFC	7A87A87A	C7AC7B07	CC7B0724	7ACFFC7B	07B0248C	25A42F02
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07AC0007	ACFFC7AC	7A87E07A	871C7A8F	FC7AC7AC	7AC7A87A	87E07A87	187ACFFC	7B07B024	8C25C9EF
02000000	E240EC65	87AC7A87	A87D87AC	71C7B0FF	C7B47B07	B07B07B0	7B07D87B	07207B4F	FC7B87B4
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C7AC2447	ACFFC7AC	C007A87A	47D07A07	1C7A0FFC	7A47A47A	87A87AC7	D07AC71C	7A8FFC7A	C7AC248C
263B1F02	000000E2	40EC6707	B07B07B0	7D47B472	07B4FFC7	B47B07B0	7B07AC7A	87E07AC7	207B0FFC
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87B87B87	D07B871C	7B8FFC7B	47B00007	ACFFC7B0	0007AC7A	C7DC7B07	207B8FFC	7B87B47B	07AC7B07
D87B8720	7B4FFC7B								

RECORD 1981 OF FILE 1
LENGTH = 7290 BYTES

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D-22560

8/6-11/71 – 10/15/71

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485445B3	78B51502	000000E2	40EC4988	54854854	7D48547C	88508248	54854854	85485085	07D484C7
C8850820	85085C24	4854AC48	58918854	8547D485	07C48508	24850850	85085485	87D08547	C4850824
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47C48508	2485084C	34484C96	08507888	548547D4	8547C485	48248508	50850850	8547D485	47C88548
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8547C885	48248548	540AC850	AC485491	48548547	D48507C4	85082484	C8508508	548587D4	8587C485
88208588	5445B37C	26550200	0000E240	EC4B0850	8508507D	48547C48	54820858	85485485	48508507
D48507C4	85082085	08500008	50960854	78C85485	87D48587	C8854820	85485085	08508507	D48547C8
85482485	08504583	7C4C0502	000000E2	40EC4B88	54858858	7D48547C	88548248	54854854	85085085
47D08547	C8854820	85485400	C854AC48	54914854	8547D485	47C48508	24850850	85485485	47D08547
C4850824	85085045	B37C71C5	02000000	E240EC4C	08548548	547D4854	7C885482	54854854	54854854
8547D485	47CE8508	24854854	01085496	08507BC8	508507D4	8507C885	08248508	50850850	8507D485
07C88548	20858658	45837C97	85020000	00E240EC	AC885485	48547D48	547C4854	82485085	08508508
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8507C885	08208548	5445B37C	BD450200	0000E240	EC4D0850	8508547D	88547CC8	58820854	85085085
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8507C885	482C8548	54854854	8547D485	47C48548	20854850	45837EF3	45020000	00E240EC	54885085
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08502988	54560E54	7BC85485	47D88507	C8850820	850 85085	08508547	D88587C4	858824 85	88544583
81038502	000000E2	40EC5888	50854854	7D48587C	48588248	54850850	85485485	87D48547	C4854824
8508500A	8854AC48	54918858	8587D485	47C88508	2484C84C	85085485	47D48547	C8854824	85485445
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D083E7E4 83883C5C CAD179C2 02000000 E240EC67 88388388 387FC838 7D083C7E 883C8388 38834834
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C7D083C7 F0E3CE3C 5CCAD19F 82020000 00E240EC 68083883 88387F88 387CC83C 7F883C83 C83C83C8
3883E7F8 83E7CC83 87FC83C8 3C0FC83C D6483838 C8388387 F88387C8 83C7FC83 C83C83C8 3C83C7F4
8387C883 87FC8388 38BCCAD1 C5820200 0000E240 EC688838 8388387F 48387C88 387F8838 83883883
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RECORD 208 OF FILE 1
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APOLLO 15 LM/ALSEP

SELECTED MOONQUAKE EVENTS ON TAPE

71-063C-01T

This data set has been restored. There were originally two 7-track, 800 BPI tapes 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 tapes were created on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005629	DS005629	D022561	1	08/04/71 - 10/15/71 (a)
		D022562	2	01/17/72 - 04/23/75

(a) D022561: Read errors occurred in records 2, 4, 5, 6 of file 1.

Refer to 69-099C-03R

```
IEF285I   SYS76050.T085602.SVC00.YZJRJLR2.R0000900      SYSOUT
IEF285I   VOL SER NOS= K3SCR3.
IEF285I   SYS76050.T085602.SV000.YZJRJLR2.R0000901      SYSOUT
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS76050.T085602.RV000.YZJRJLR2.R0000902      DELETED
IEF285I   VOL SER NOS= K3SCR5.
IEF285I   SYS76050.T085602.RV000.YZJRJLR2.S0000903      SYSIN
IEF285I   VOL SER NOS= K3SCR2.
IEF285I   SYS76050.T085602.RV000.YZJRJLR2.S0000903      DELETED
IEF285I   VOL SER NOS= K3SCR2.
IEF373I STEP /LINK     / START 76050.1925
IEF374I STEP /LINK     / STOP  76050.1940 CPU    0MIN 01.30SEC MAIN 130K LCS    0K
- STEP 02 -      RETURN CODE = 0000                                    STEP TIME =      .20 MINS=(CPU=      .02,IO=      .18)
                                    IO IN SECS. DISK=    10.37,DRUM=      .56,TAPE=      .00,CELL=      .00,OTHR=      .17
      XXGO       EXEC PGM=*.LINK.SYSLMOD,COND=(4,LT),REGION=70K                                    00000230
      XXFT05F001 DD  DDNAME=DATA5                                                                  00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)                         00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=E,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                                  00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),                        00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX             SPACE=(CYL,(0,1)),UNIT=(DISK,3)                                               00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //         DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //             VOL=SER=JJ0024
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR2 GO
IEF237I 231   ALLOCATED TO PGM=*.DD
IEF237I 331   ALLOCATED TO FT05F001
IEF237I 331   ALLOCATED TO FT06F001
IEF237I 331   ALLOCATED TO FT07F001
IEF237I 332   ALLOCATED TO SYSPRINT
IEF237I 231   ALLOCATED TO SYSPRINT
IEF237I 232   ALLOCATED TO SYSPRINT
IEF237I 0D0   ALLOCATED TO FT08F001
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RECORD 1 OF FILE 1
LENGTH = 18 BYTES

575565CF 00000000 0F01DCC0 00045B38

RECORD 2 OF FILE 1
LENGTH = 18 BYTES

575565CF 00000000 0F01DCC0 00045B38

D-22561
8/04/7 - 10/15/7

RECORD 3 OF FILE 1
LENGTH = 7290 BYTES

4583822F	8502FFC0	00E240EC	57882483	08487F88	54808840	79482881	C82C8448	50FFC7F8	83480882
47988288	3C264850	9308508D	C83C82C7	F8828808	83879C00	085083C8	288247F8	84C80884	879C8388
2C458382	554502FF	C000E240	EC580850	850838 7F	88248088	2479C838	84C84C83	C828FFC7	FC834808
85479885	C8402188	1C818814	83083485	87FC85C8	08840798	00082083	084484C7	F8838808	82C79483
48404583	827AF502	FFC000E2	40EC5888	3C834834	7F883880	88407948	4083C838	834834FF	C7F883C8
0883C798	83C83C22	C8389308	308DC830	8407F484	88088487	9800082C	83084084	C7F48408	08830798
82C83045	8382A085	02FFC000	E240EC59	083883C8	447F4844	80883879	882C82C8	3884884C	FFC7F483
880882C7	9882C83C	33084881	8848E308	388307F4	83480884	479C0008	4C834824	8287F485	08088507
9C83C820	458382C6	7502FFC0	00E240EC	59882884	48587F88	50808838	79C82482	483884C8	54FFC7F8
82480881	879CE248	4019485C	93085C8D	C8408247	F8820804	83479800	084C8388	248207F8	84880485
87948548	3C458382	EC2502FF	C000E240	EC5A0824	8348407F	88448048	3879482C	83084084	C848FFC7
F8834804	83079483	48380008	3C818840	83084083	87F88348	04834794	00084884	C8408347	F482C804
83879484	08445B83	8311E502	FFC000E2	40EC5A88	3C834834	7F483C80	48447988	40834830	830838FF
C7F48448	0484C79C	83482401	08289308	3C8DC850	8547F484	08048287	9C000830	84484C84	47F08348
04830798	83484045	B38337A5	02FFC000	E240EC5B	08448348	2C7F0830	80484079	88448388	2482C840

Apollo 15
71-0616-017

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7F87B000 07F87F07 EC7E87E0 7E87D87F 07B07F87 FC5CCAD0 DE6202FF C000E240 EC6407F4 7EC7E87E
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7E07EC7D 47EC7B07 EC7EC7F0 7F47F4FF C7E07F47 D47F47B0 7F47F400 07F030C7 F08287F0 7F07E07F
07D47F07 B000C7F8 7F47F47F 07E07EC7 D47EC7B0 7F07F05C CAD129D2 02FFC000 E240EC65 07F47F47
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      //        DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //             VOL=SER=JJ0018
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR3 GO
IEF237I 232    ALLOCATED TO PGM=*.DD
IEF237I 232    ALLOCATED TO FT05F001
IEF237I 332    ALLOCATED TO FT06F001
IEF237I 232    ALLOCATED TO FT07F001
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APOLLO 16 LM/ALSEP

SELECTED MOONQUAKE EVENTS ON TAPE

72-031C-01T

This data set has been restored. There was originally one 7-track, 800 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 an IBM 930 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
DR005895	DS005895	D022563	1	05/27/72 - 04/23/75

Refer to 69-099C-03R

Apollo 16
72-031C-01T

```
IEF285I    SYS2.COBLIB                                    KEPT
IEF285I    VOL SER NOS= K3SYS6.
IEF285I    SYS1.ALGLIB                                    KEPT
IEF285I    VOL SER NOS= K3SYS6.
IEF285I    SYS76056.T074845.RV000.YZJRJLR3.LODMOD         PASSED
IEF285I    VOL SER NOS= K3SCR2.
IEF285I    SYS76056.T074845.SV000.YZJRJLR3.R0000360       SYSOUT
IEF285I    VOL SER NOS= K3SCR2.
IEF285I    SYS76056.T074845.SV000.YZJRJLR3.R0000361       SYSOUT
IEF285I    VOL SER NOS= K3SCR2.
IEF285I    SYS76056.T074845.RV000.YZJRJLR3.R0000362       DELETED
IEF285I    VOL SER NOS= K3SCR3.
IEF285I    SYS76056.T074845.RV000.YZJRJLR3.S0000363       SYSIN
IEF285I    VOL SER NOS= K3SCR2.
IEF285I    SYS76056.T074845.RV000.YZJRJLR3.S0000363       DELETED
IEF285I    VOL SER NOS= K3SCR2.
IEF373I STEP /LINK     / START 76056.1346
IEF374I STEP /LINK     / STOP  76056.1347 CPU    0MIN 02.05SEC MAIN 130K LCS    0K
- STEP 01 -      RETURN CODE = 0000                                  STEP TIME =      .21 MINS=(CPJ=      .03,IO=      .18)
                                    IO IN SECS. DISK=    10.60,DRUM=      .56,TAPE=      .00,CELL=      .00,OTHR=      .17
      XXGO        EXEC PGM=*.LINK,SYS_MOD,COND=(4,LT),REGION=70K                  00000230
      XXFT05F001 DD  DDNAME=DATA5                                                  00000240
      XXFT06F001 DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE)         00000250
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
      XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80)                  00000260
      XXSYSPRINT DD SYSOUT=&OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=&BLKSIZE),        00000270
      IEF653I SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
      XX              SPACE=(CYL,(0,1)),UNIT=(DISK,3)                              00000280
      //GO.FT08F001 DD UNIT=7TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,,IN),
      //        DCB=(BLKSIZE=32000,RECFM=U,DEN=2,TRTCH=C),
      //              VOL=SER=JJ0078
      //GO.DATA5 DD *
      //
IEF236I ALLOC. FOR YZJRJLR3 GO
IEF237I 231    ALLOCATED TO PGM=*.DD
IEF237I 232    ALLOCATED TO FT05F001
IEF237I 332    ALLOCATED TO FT06F001
IEF237I 331    ALLOCATED TO FT07F001
IEF237I 231    ALLOCATED TO SYSPRINT
IEF237I 232    ALLOCATED TO SYSPRINT
IEF237I 331    ALLOCATED TO SYSPRINT
IEF237I 0C1    ALLOCATED TO FT08F001


                                    RECORD      1  OF FILE    1
                                    LENGTH =      18  BYTES

   575565CF  00000000  1001DE80  0002FE35


                                    RECORD      2  OF FILE    1
                                    LENGTH =      18  BYTES

   575565CF  00000000  1001DE80  0002FE35


                                    RECORD      3  OF FILE    1
                                    LENGTH =    7290  BYTES

   2FE3537E  F1026DC0  00E240EC  67879479  47947E07  947F0794  79479479  47947947  947947E0  7907EC79
   07947907  941DC794  BB479485  C7947947  E07947E8  79079400  07907947  947947E0  7947E479  47907907
   902FE353  A4A1025B  4000E240  EC680794  7947947E  07947E47  94790794  79079079  07947947  E07947E4
   79479079  47900F47  90B4C794  A3879479  47E07947  E4794790  00079479  47947947  E47947E4  79479079
   07902FE3  53CA6102  4F8000E2  40EC6887  94794794  7E47947E  87947907  90790790  79479479  47E07947
```

D-22563
5/28/7 - 4/23/7

```
D47D8804  7D88587D  86EC7D47  D01D87CC  A3C7CC8F  47D47D88  047D8858  7D05F000  07CC7CC7  DC7D4804
7D88587D  86F07D47  D0248C1E  70CF0275  000 0E240  EC4E37CC  7DD7D480  47D48587  D46F47D0  7C87C47C
47CC7D48  047D4858  7D06F47C  C7C83FC7  C4=FC7C8   FFC7D07D  48D07D88  587DC6F4  0007D07C  87C87D47
FC7D8858  7D46F47D
```

RECORD 1605 OF FILE 1
LENGTH = 7290 BYTES

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