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MCC OPERATIONAL CONFIGURATION



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MCC MOCR-3
OPERATIONAL CONFIGURATION

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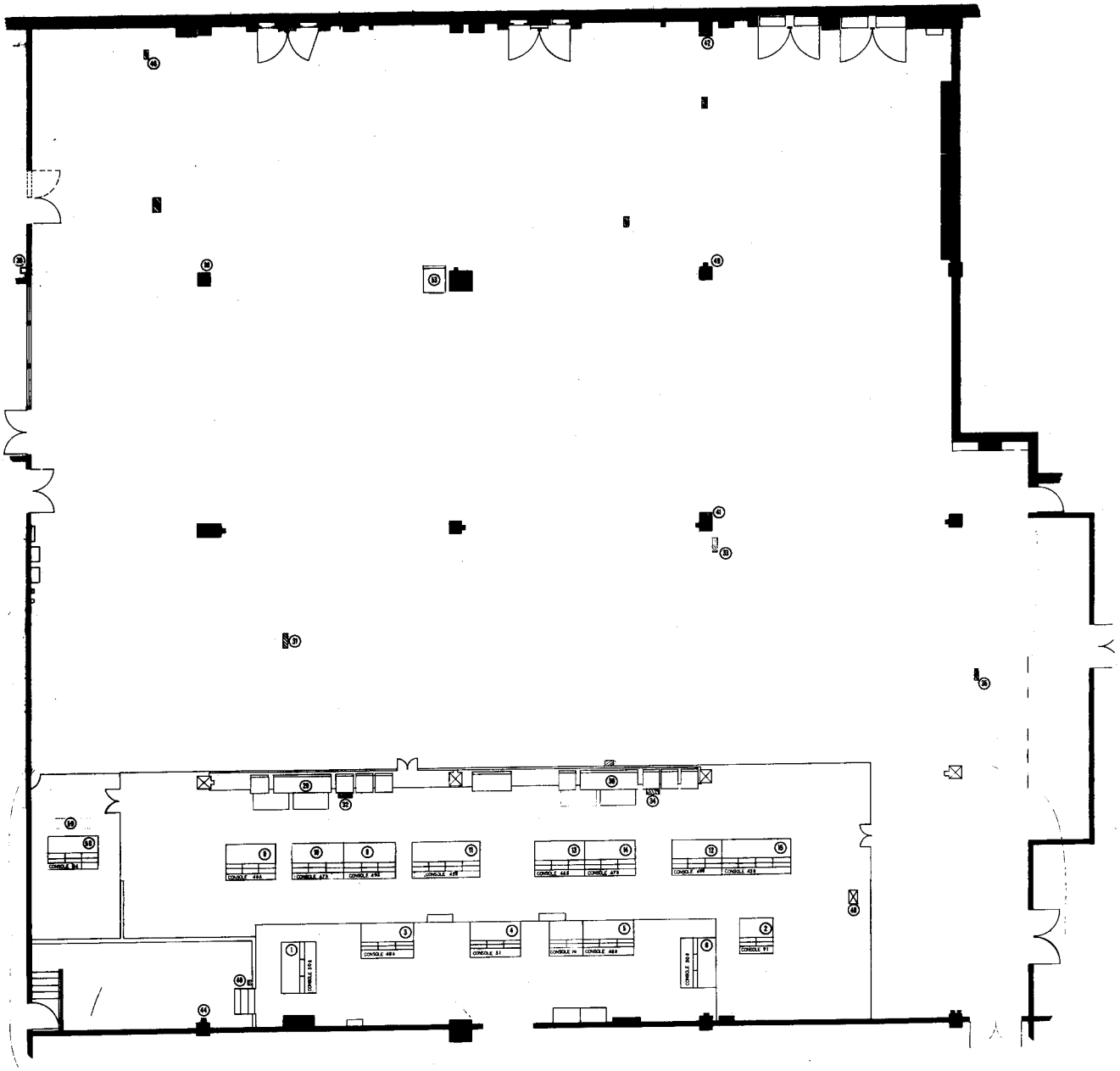

REAL TIME COMPUTER COMPLEX
ROOM NO. 112

MCC MOCR-3

OPERATIONAL CONFIGURATION

ROOM NO. 112
REAL TIME COMPUTER COMPLEX

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	RTCC CMCC	CONS 50A
02	RTCC SELECT SUPPORT	CONS 91
03	RTCC COMPLEX SUPERVISOR	CONS 48A
04	CMPTR M&O-OPERATION SUPPORT	CONS 51
05	RTCC COMPLEX SUPERVISOR	CONS 48B
06	RTCC CMCC	CONS 50B
08	NETWORK & CMD PROCESS CONTR	CONS 49A
09	TRACKING DATA SELECT ENGR	CONS 46A
10	FLT DYNS PROCESSING CONTR	CONS 47A
11	TELEMETRY PROCESSING CONTR	CONS 45A
12	NETWORK & CMD PROCESS CONTR	CONS 49B
13	TRACKING DATA SELECT ENGR	CONS 46B
14	FLT DYNS PROCESSING CONTR	CONS 47B
15	TELEMETRY PROCESSING CONTR	CONS 45B
29	DATA SOURCE A	E6/1
30	DATA SOURCE B	E6/1
31	KEY BOX PED MTD POSN 4424	COMM K
32	KEY BOX PED MTD POSN 4422	COMM K
33	KEY BOX PED MTD POSN 4421	COMM K
34	KEY BOX PED MTD POSN 4415	COMM K
35	KEY BOX PED MTD POSN 4417	COMM K
36	KEY BOX PED MTD POSN 4414	COMM K
38	KEY BOX POSN 4423	COMM K
41	KEY BOX POSN 4416	COMM K
42	KEY BOX POSN 4418	COMM K
48	RTCC MOBILE CONSOLE	CONS 90
49	KEY BOX PED MTD POSN 4419	COMM K
53	STREU "C" POSN 4428	COMM R10
58	ALSEP COMPUTER CONTROLLER	CONS 84
59	CHART RECORDER	

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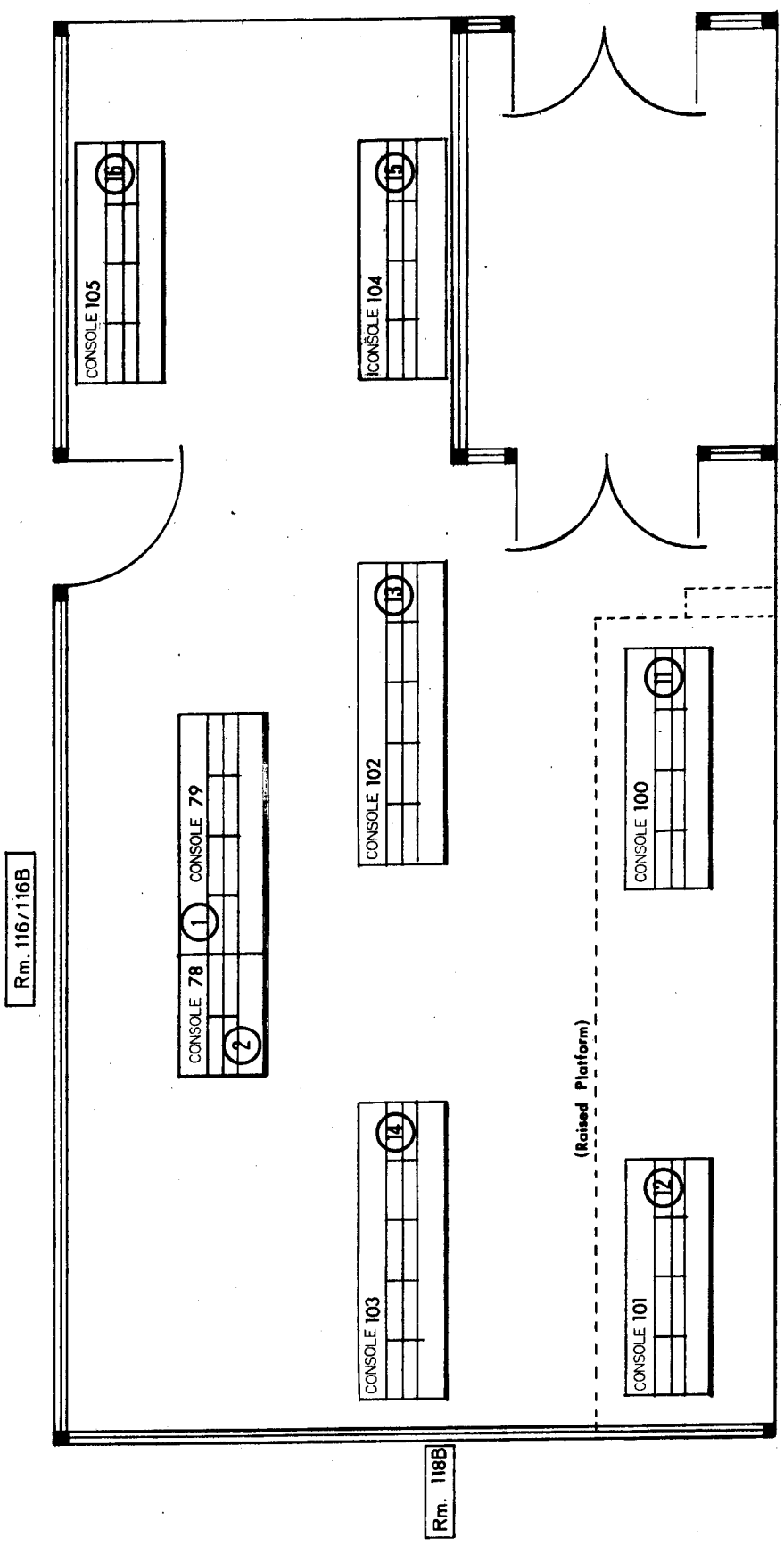
OPERATIONAL CONFIGURATION



CP CONTROL

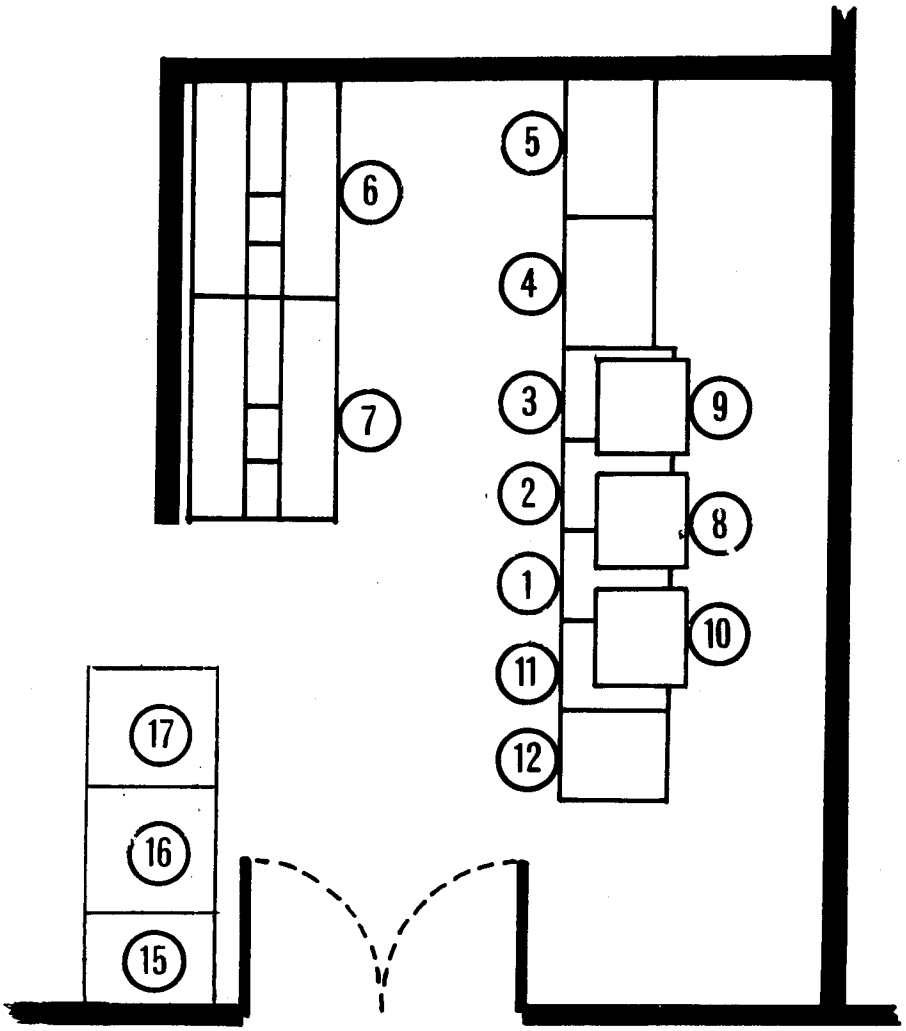
ROOM NO. 116A

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 116A
CP CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	COMPUTER CONTROL	CONS 79
02	CCATS SYSTEM CONFIGURATION	CONS 78
11	CPC	CONS 100
12	TRACKING SUPPORT	CONS 101
13	TLM SUPPORT	CONS 102
14	CMD SUPPORT	CONS 103
15	CISS TLM	CONS 104
16	CISS CMD	CONS 105

MCC MOCR-3
OPERATIONAL CONFIGURATION

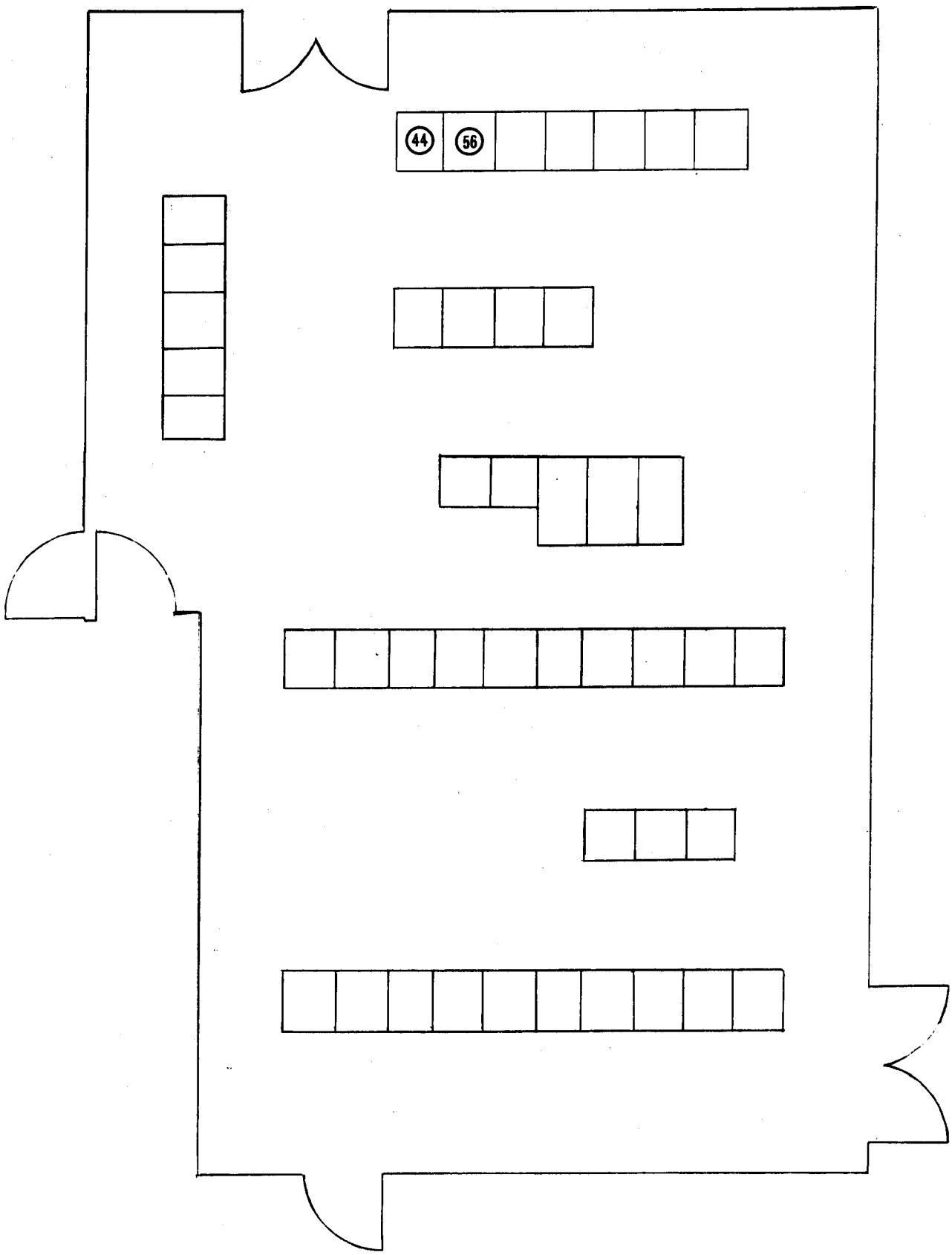


VOICE RECORDER FACILITY
ROOM NO. 117A

ROOM NO. 117A
VOICE RECORDER FACILITY

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	PATCH & MONITOR BAY	
02	TAPE COPIER NO. 1	
03	TAPE COPIER NO. 2	
04	CABINET, SOUND RECORDER NO. 1	
05	CABINET, SOUND RECORDER NO. 2	
06	CONSOLE, REPRODUCER	HR-1
07	CONSOLE, REPRODUCER	HR-2
11	TAPE COPIER NO. 3	
12	TAPE COPIER NO. 4	
15	CONTROL CABINET	
16	CABINET, SOUND RECORDER NO. 3	
17	CABINET, SOUND RECORDER NO. 4	

MCC MOCR-3
OPERATIONAL CONFIGURATION

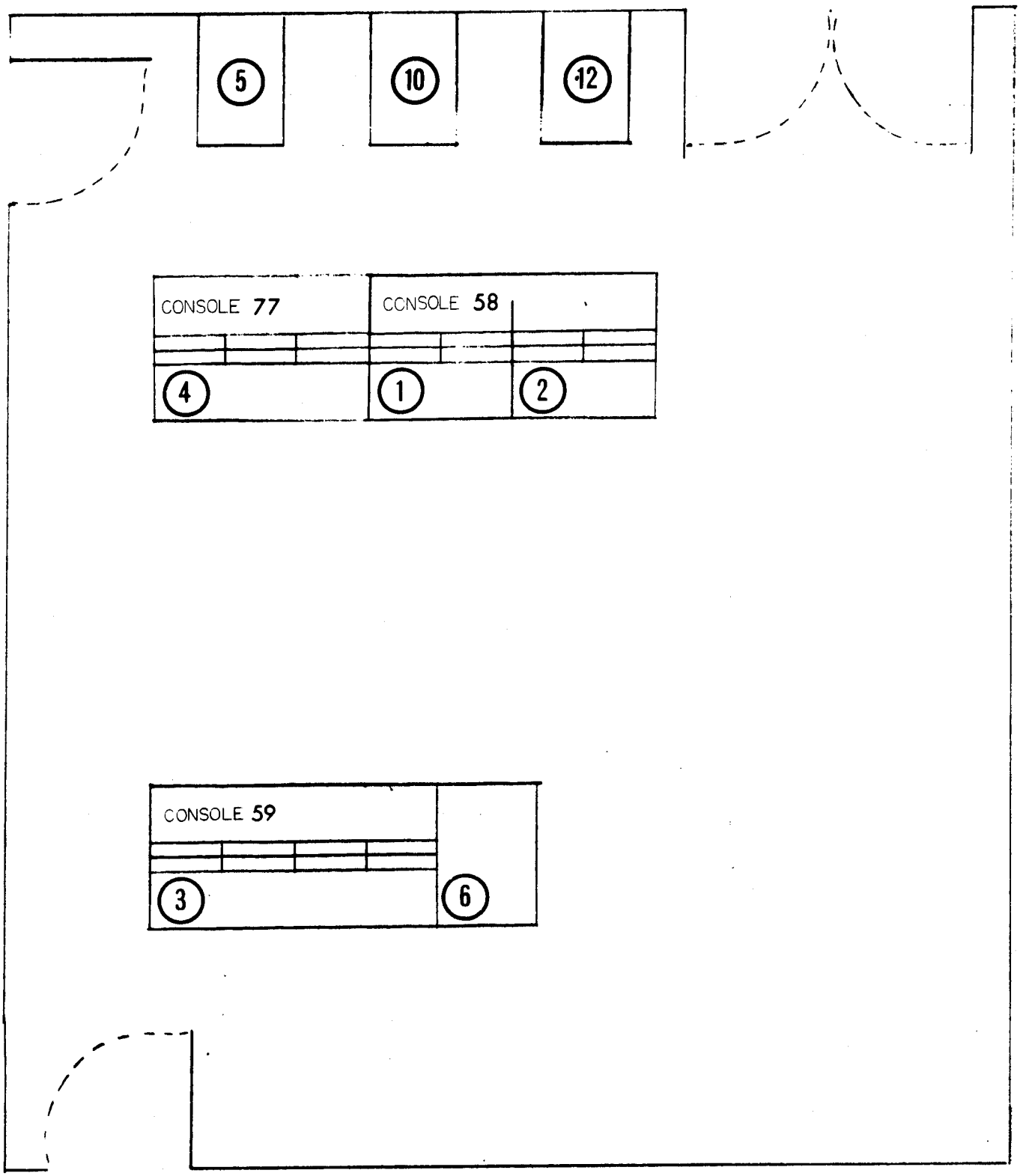


FACILITY CONTROL
ROOM NO. 118

ROOM NO. 118
FACILITY CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
44	14 CHANNEL RECORDER	
56	WIDEBAND RECORDER NO 4	

MCC MOCR-3
OPERATIONAL CONFIGURATION

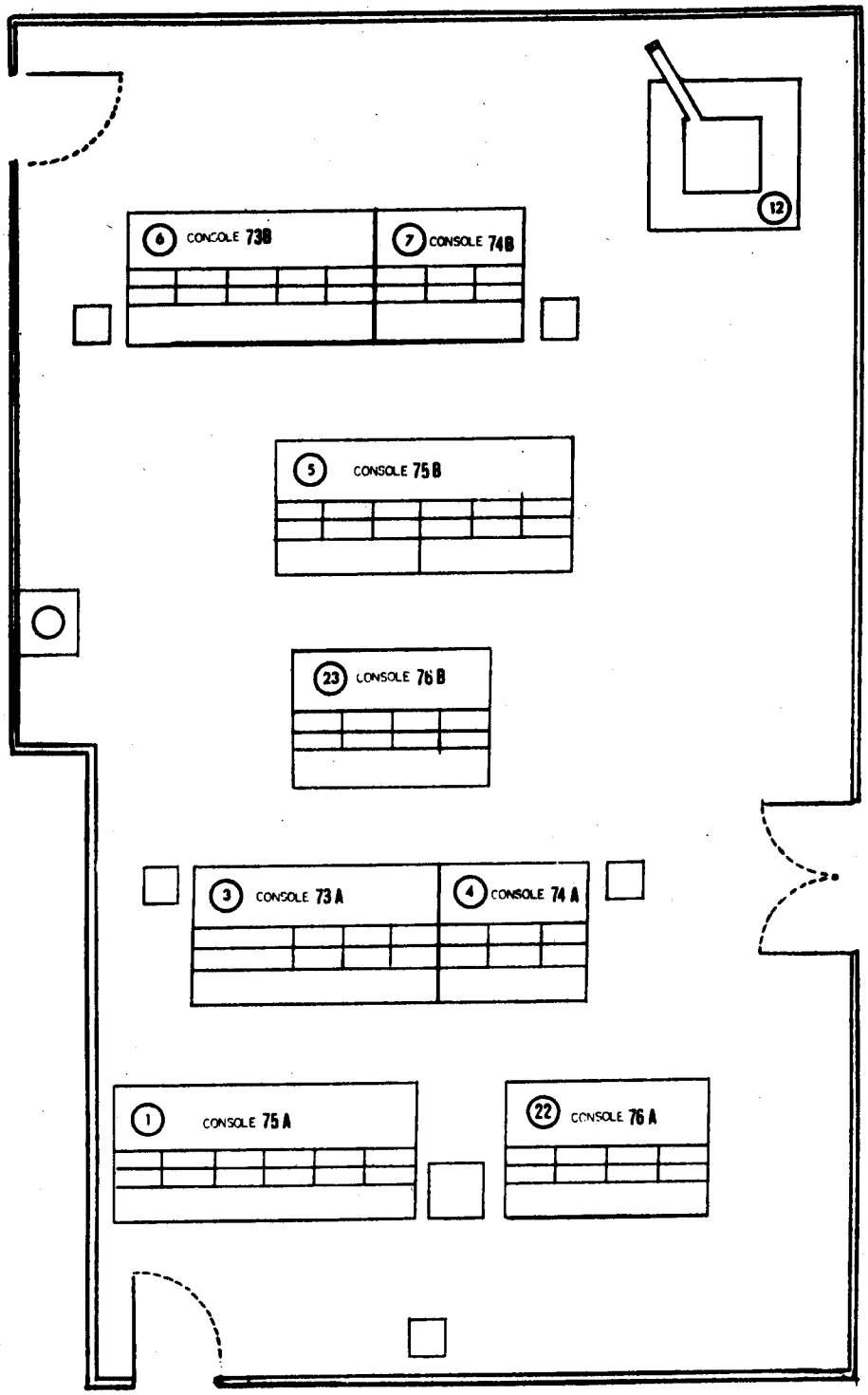


VOICE CONTROL FACILITY
ROOM NO. 118A

ROOM NO. 118A
VOICE CONTROL FACILITY

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	COMM. LINE SWITCH	CONS 58
03	COMMUNICATIONS CONTROLLER	CONS 59
04	COMM TECH	CONS 77
06	ATT REPRESENTATIVE	

MCC MOCR-3
OPERATIONAL CONFIGURATION

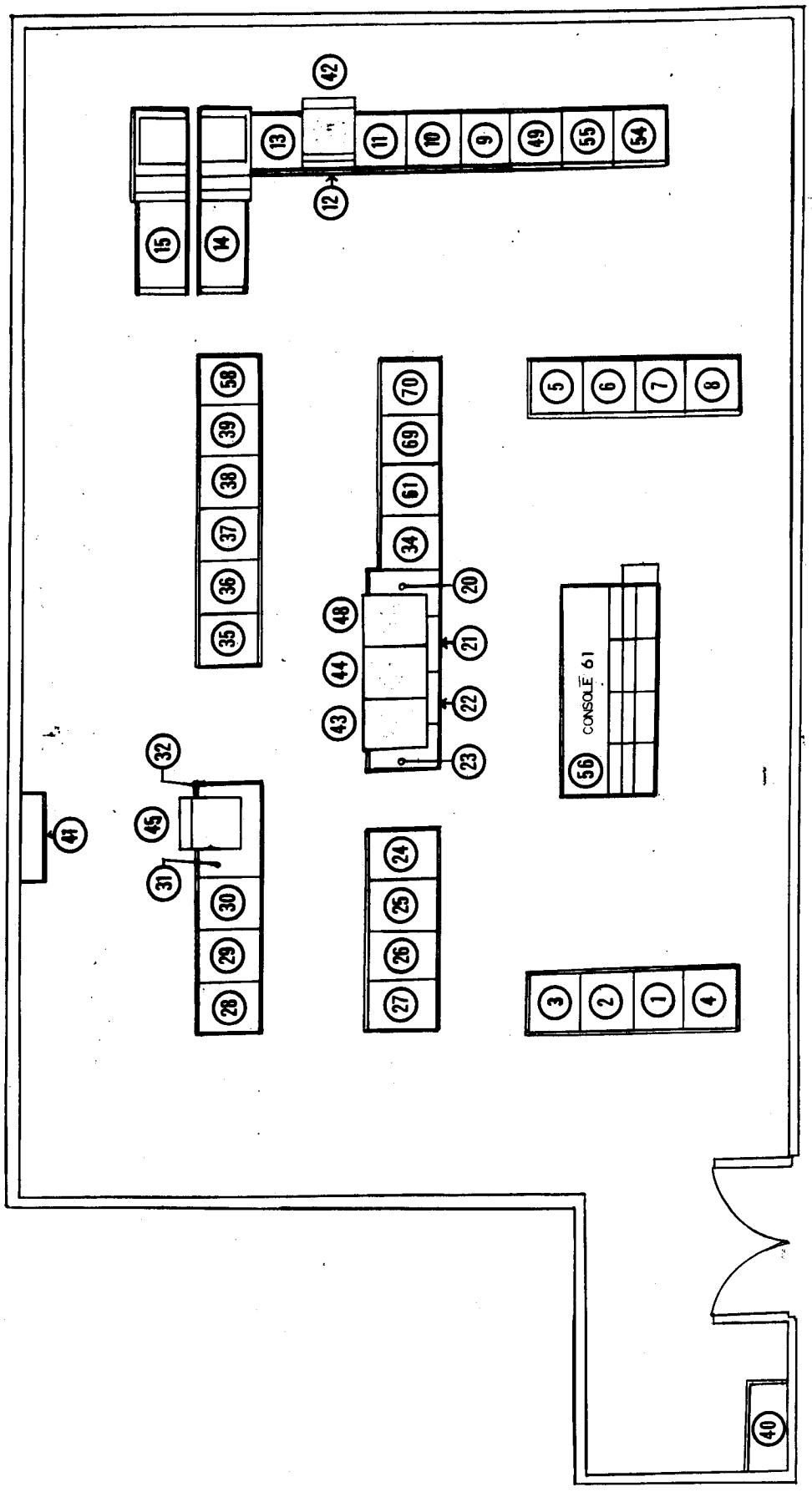


NETWORK INSTRUMENTATION CONTROL
ROOM NO. 1188

ROOM NO. 118B
NETWORK INSTRUMENTATION CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	TLM INSTRUMENTATION CONTROL	CONS 75A
03	CMD LOAD/REAL TIME CONTROL	CONS 73A
04	CCATS COMMAND CONTROL	CONS 74A
05	TLM INSTRUMENTATION CONTROL	CONS 75B
06	CMD LOAD/REAL TIME CONTROL	CONS 73B
07	CCATS COMMAND CONTROL	CONS 74B
12	OPAQUE TELEVIEWER	
22	INST. TRKG. COORD	CONS 76A
23	INST. TRKG. COORD	CONS 76B

MCC MOCR-3
OPERATIONAL CONFIGURATION



TELEMETRY EQUIPMENT

ROOM NO. 129

ROOM NO. 129
TELEMETRY EQUIPMENT

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	PCM GROUND STATION 3	
02	PCM GROUND STATION 3	
03	PCM GROUND STATION 3	
04	PCM GROUND STATION 3	
05	PCM GROUND STATION 4	
06	PCM GROUND STATION 4	
07	PCM GROUND STATION 4	
08	PCM GROUND STATION 4	
09	BI-LEVEL PATCH BOARD	
10	BI-LEVEL PATCH BOARD	
11	MASTER ANALOG PATCH BAY 3	
12	MASTER ANALOG PATCH BAY 2	
13	100 CHNL EVENT RCDRS 4 & 5	
14	STRIP CHART RECORDER 1	
15	STRIP CHART RECORDER 2	
20	PCM GROUND STATION 2	
21	PCM GROUND STATION 2	
22	PCM GROUND STATION 2	
23	PCM GROUND STATION 2	
24	PCM GROUND STATION 1	
25	PCM GROUND STATION 1	
26	PCM GROUND STATION 1	
27	PCM GROUND STATION 1	
28	RELAY EQUIPMENT RACK	
29	RELAY EQUIPMENT RACK	
30	RELAY EQUIPMENT RACK	
31	RELAY EQUIPMENT RACK	
32	RELAY EQUIPMENT RACK	
34	FM GROUND STATION A	
35	RELAY EQUIPMENT RACK	
36	CONTROL LOGIC OUTPUT	
37	ANALOG METERS	
38	ANALOG METERS	
39	LOGIC RACK 1	
40	PNEUMATIC TUBE STA 91 A-1	
41	DISTRIBUTION FRAME	
42	OVERHEAD TV MONITOR	
43	OVERHEAD TV MONITOR	
44	OVERHEAD TV MONITOR	
45	OVERHEAD TV MONITOR	
48	OVERHEAD TV MONITOR	
49	TLM EVENT DECODER	
54	TELEMETRY SUPV LOGIC	
55	TELEMETRY SUPV LOGIC	
56	TELEMETRY SUPERVISOR	CONS 61
69	BMDAD RACK	
70	BMDAD RACK	

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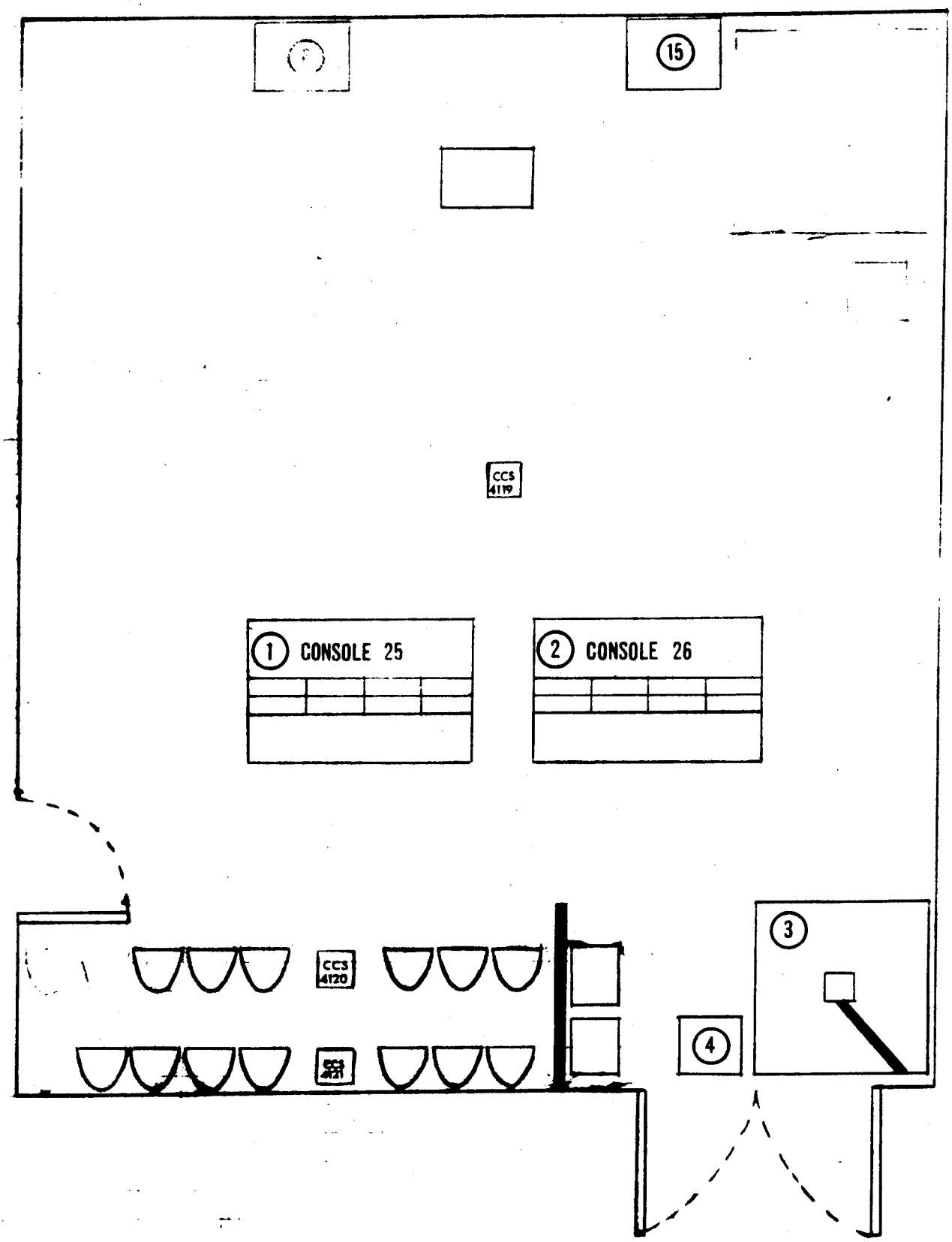
OPERATIONAL CONFIGURATION



SCHEDULE CONTROL

ROOM NO. 2148

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 2148
SCHEDULE CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	FSD REPRESENTATIVE	CONS 25
02	SCHEDULING	CONS 26
03	OPAQUE TELEVISOR	
04	OPAQUE TELEVIEWER	
09	SILENT TELLETYPE	CONS 69
10	SILENT TELLETYPE	CONS 69

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OPERATIONAL CONFIGURATION

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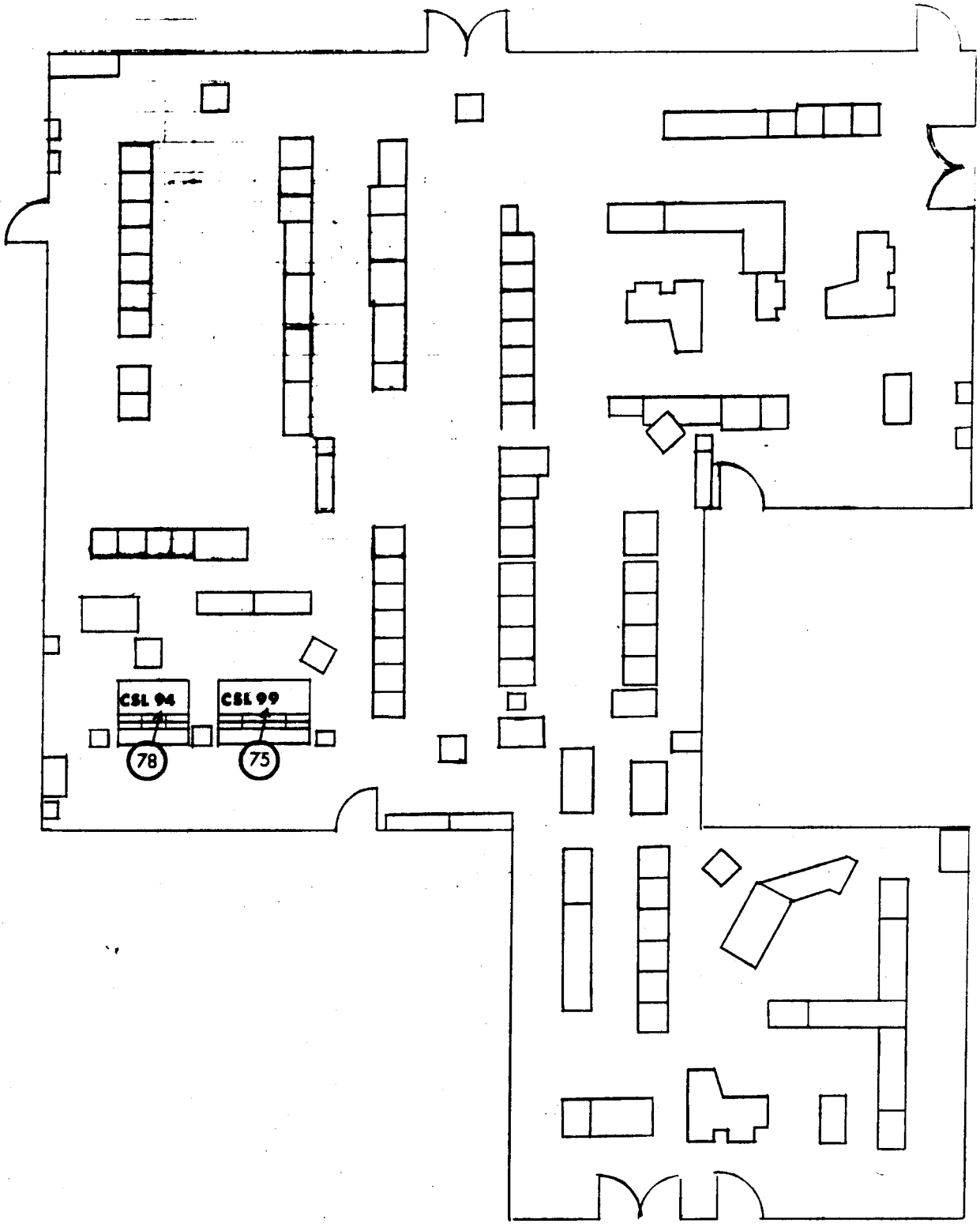

SIMULATION EQUIPMENT AREA

ROOM NO. 219

I-01-11-01

ROOM NO. 219
SIMULATION EQUIPMENT AREA

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
75	SECOND GSSC APCU CONTROL	CONS 99
78	GSSC APCU CONTROL	CONS 94

MCC MOCR-3
OPERATIONAL CONFIGURATION

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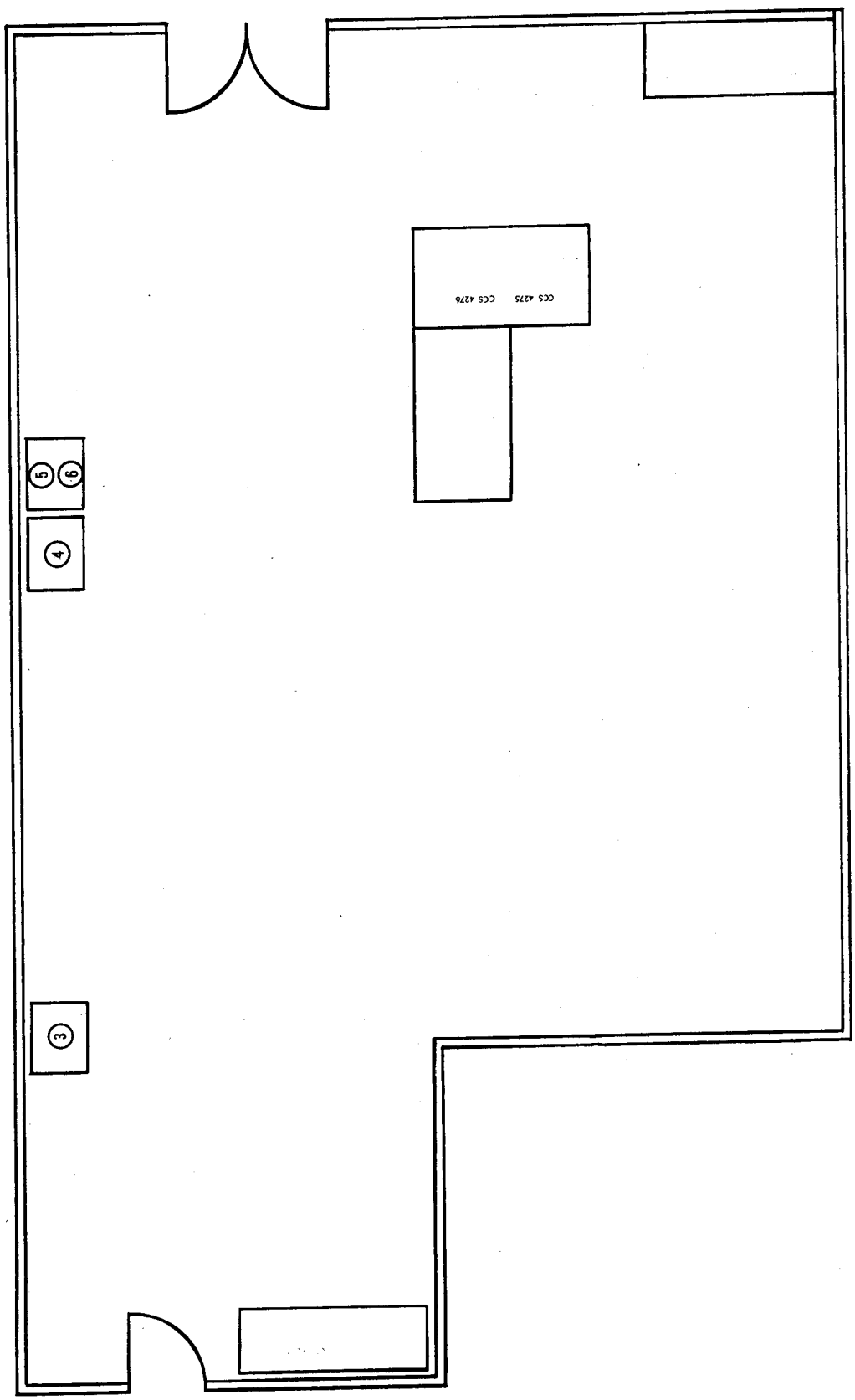
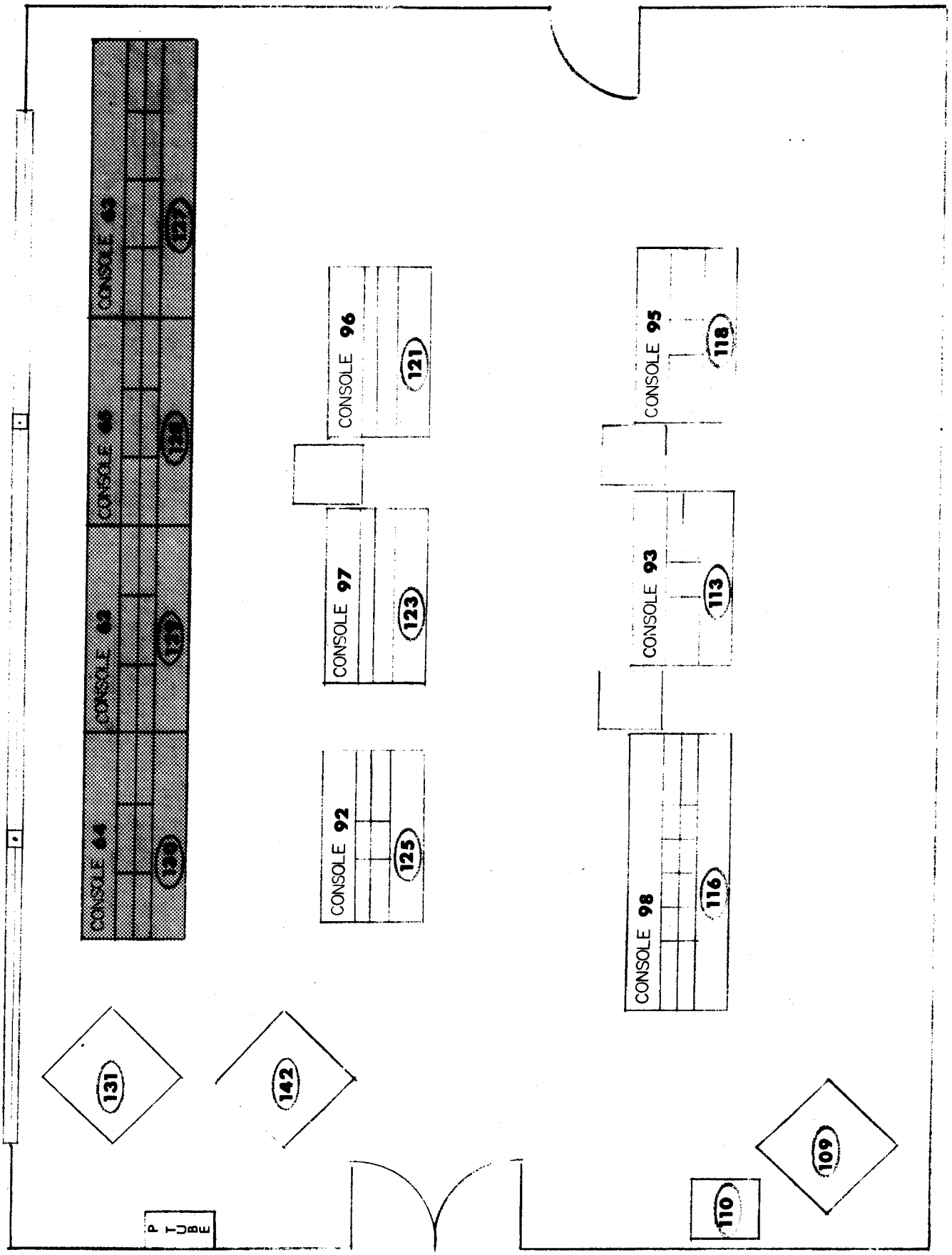


MESSAGE CENTER
ROOM NO. 226

ROOM NO. 226
MESSAGE CENTER

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
03	OVERHEAD TV	
04	OVERHEAD TV	
05	OVERHEAD TV	
06	OVERHEAD TV	

MCC MOCR-3
OPERATIONAL CONFIGURATION



SIMULATION CONTROL
ROOM NO. 229

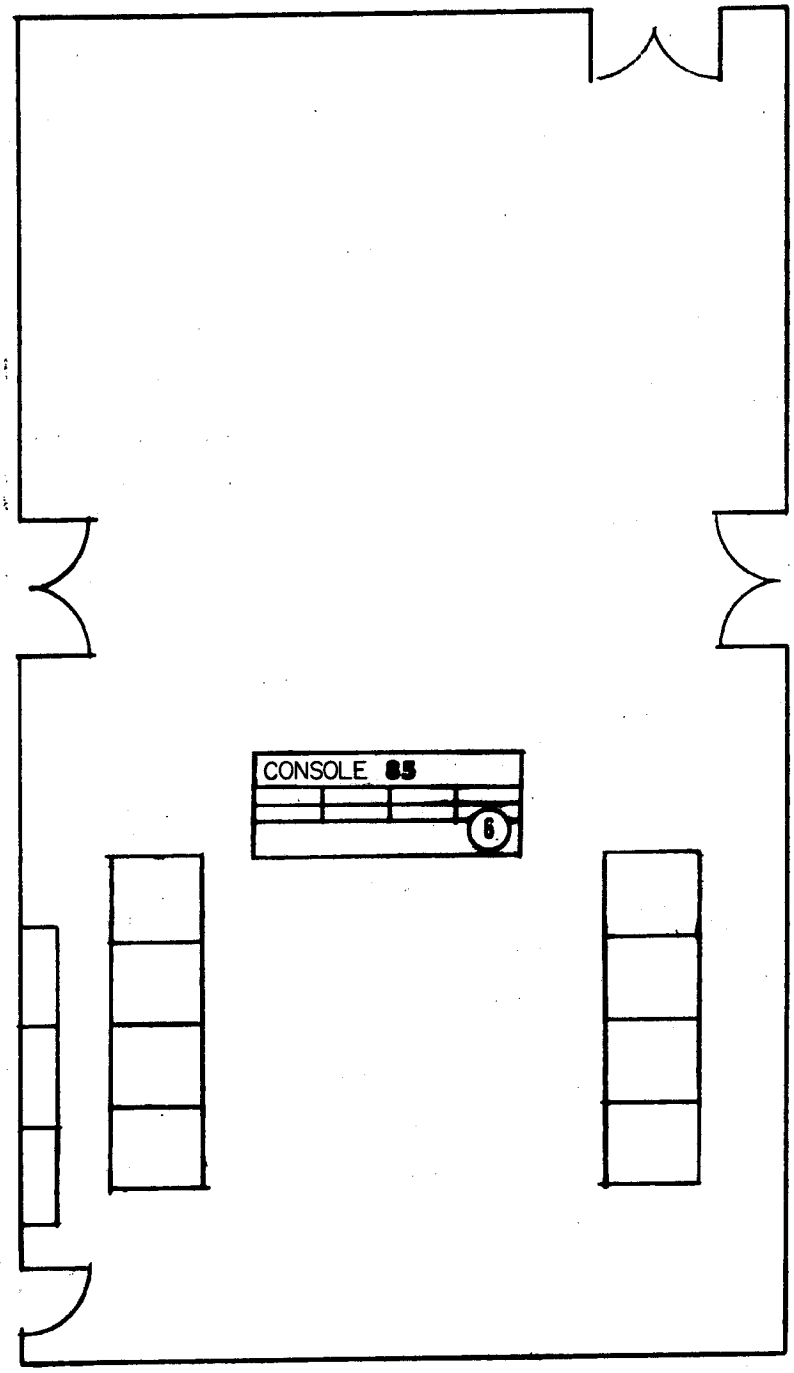
ROOM NO. 229
SIMULATION CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
09	OVERHEAD TV MONITOR	DATA SRCE
10	OPTV RACK	DATA SRCE
13	SIM NETWORK	CONS 93
16	SIMULATION DYNAMICS/COORD	CONS 98
18	SIM COMM	CONS 95
21	LM SIMULATION	CONS 96
23	CSM SIMULATION	CONS 97
25	SIM BOOSTER	CONS 92
26	OVERHEAD TV MONITOR	DATA SRCE
27	SIM SLV	CONS 63
28	SIM CIM	CONS 65
29	SIMULATION SUPERVISOR	CONS 62
30	SIM TELCOMM/NETWORK	CONS 64
31	OVERHEAD TV MONITOR	DATA SRCE
42	OVERHEAD TV MONITOR	DATA SRCE
75	COMPUTER SIM	CONS 99
78	GACC A/G	CONS 94

(RESERVED FOR FUTURE USE.)

ROOM NO. 239

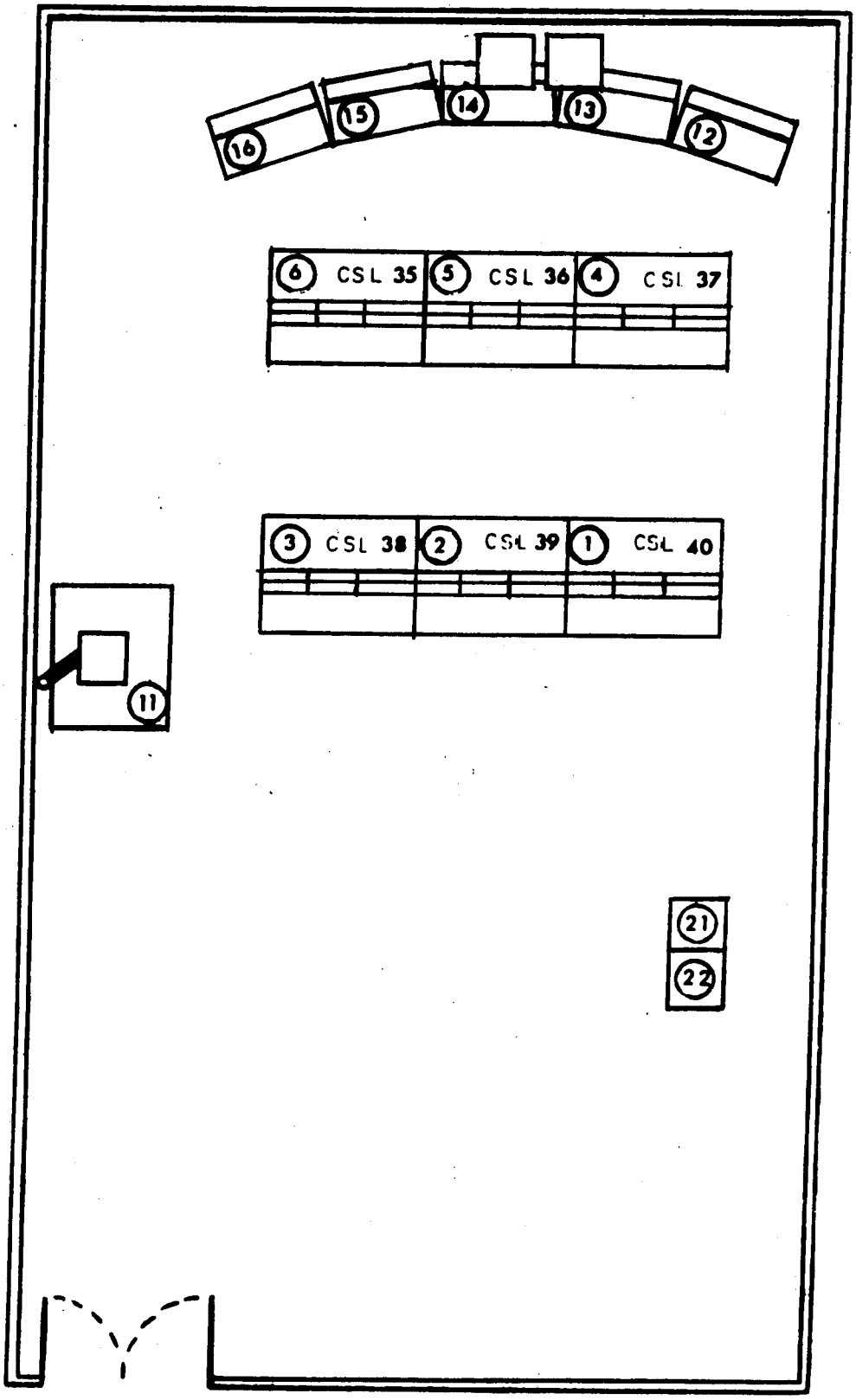
MCC MOCR-3
OPERATIONAL CONFIGURATION



ALSEP INTERFACE
ROOM NO. 242

ROOM NO. 242
ALSEP INTERFACE

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
06	ALSEP INTERFACE CONTROLLER	CONS 85



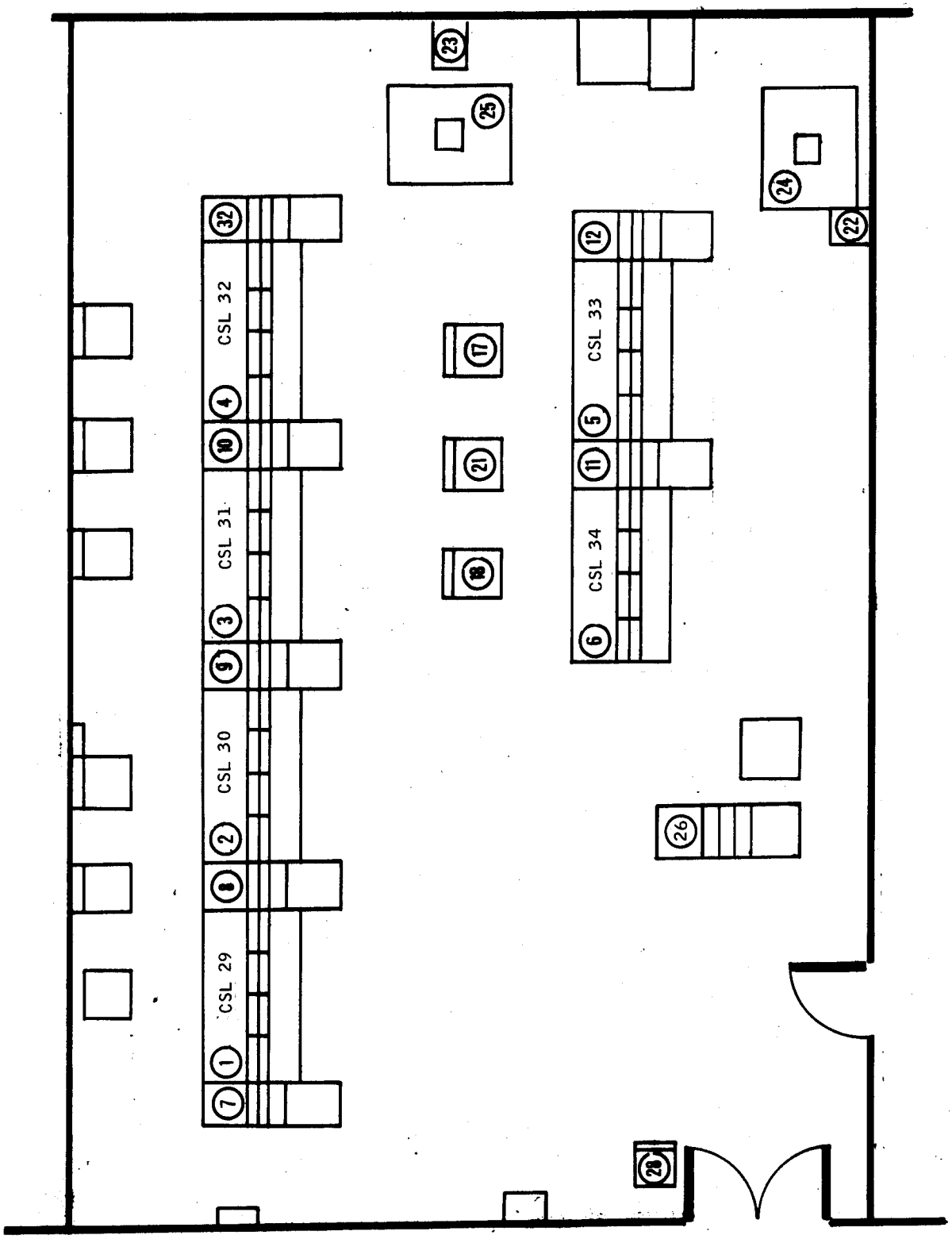
FLIGHT DYNAMICS SSR
ROOM NO. 310

ROOM NO. 310
FLIGHT DYNAMICS SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	MANUEVER SPECIALIST	CONS 40
02	TRAJECTORY ABORT CHIEF	CONS 39
03	ABORT ASST TRAJECTORY CHIEF	CONS 38
04	AGC/CMC SUPPORT	CONS 37
05	AGS/LGC SUPPORT	CONS 36
06	RETRO/FDO SUPPORT	CONS 35
11	OPAQUE TELEVISOR	
12	X-Y PLOTBOARD NO. 5	
13	X-Y PLOTBOARD NO. 3	
14	X-Y PLOTBOARD NO. 1	
15	X-Y PLOTBOARD NO. 2	
16	X-Y PLOTBOARD NO. 4	
21	ANALOG/EVENT RECORDER NO. 1	
22	ANALOG/EVENT RECORDER NO. 2	

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



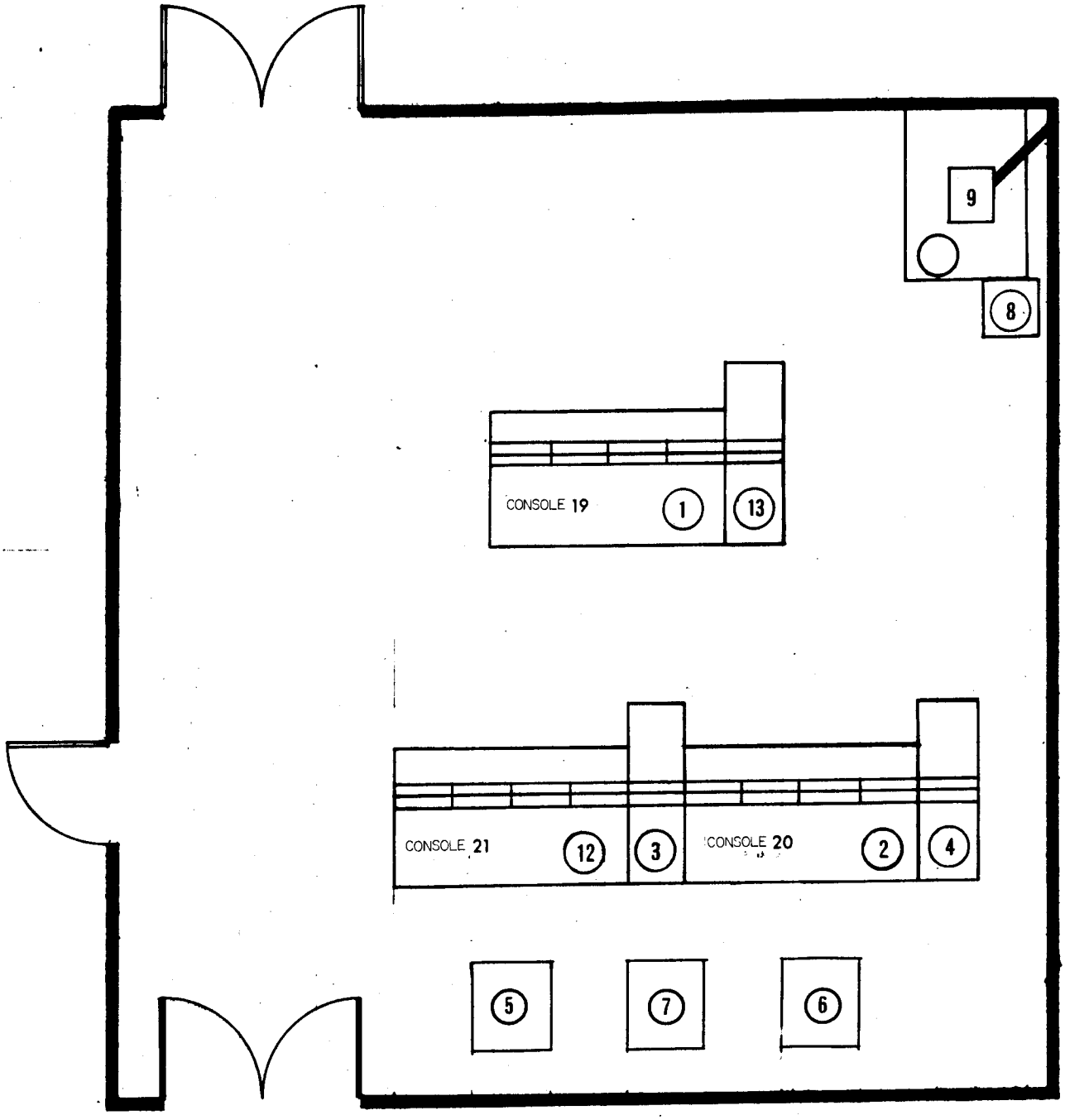
VEHICLE SYSTEMS SSR
ROOM NO. 311

ROOM NO. 311
VEHICLE SYSTEMS SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	LM GNC SPECIALIST	CONS 29
02	LM ELECT/COMM SPECIALIST	CONS 30
03	CSM EECOM SUPPORT SPEC.	CONS 31
04	CSM GNC SUPPORT SPECIALIST	CONS 32
05	BOOSTER SUPPORT SPECIALIST	CONS 33
06	BOOSTER SUPPORT SPECIALIST	CONS 34
07	CHART RECORDER	A13
08	CHART RECORDER	A13
09	CHART RECORDER	A13
10	CHART RECORDER	A13
11	CHART RECORDER	A13
12	CHART RECORDER	A13
24	OPAQUE TELEVIEWER NO. 1	
25	OPAQUE TELEVIEWER NO. 2	
26	DEDICATED CHART RECORDER	
28	EVENT RECORDER 1, 2 & 3	
32	CHART RECORDER	A13

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



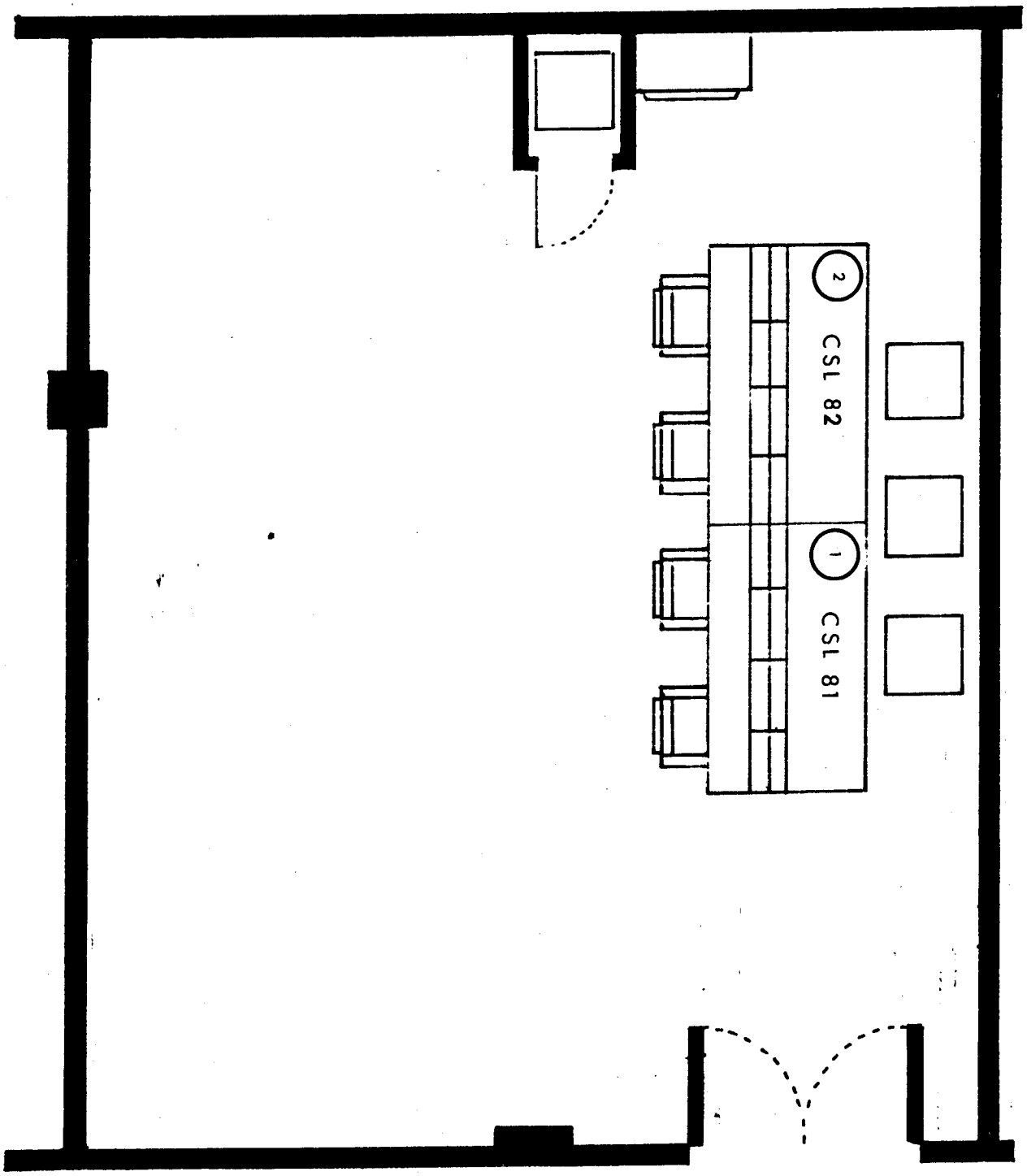
LIFE SYSTEMS SSR
ROOM NO. 312

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 312
LIFE SYSTEMS SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	AEROMEDICAL SPECIALIST	CONS 19
02	ENVIRONMENTAL SPECIALIST	CONS 20
03	CHART RECORDER	A13
04	CHART RECORDER	A13
05	OVERHEAD TV MONITOR	
06	OVERHEAD TV MONITOR	
07	OVERHEAD TV MONITOR	
09	OPAQUE TELEVIEWER	
12	ECS SPECIALIST	CONS 21
13	CHART RECORDER	A13

MCC MOCR-3
OPERATIONAL CONFIGURATION

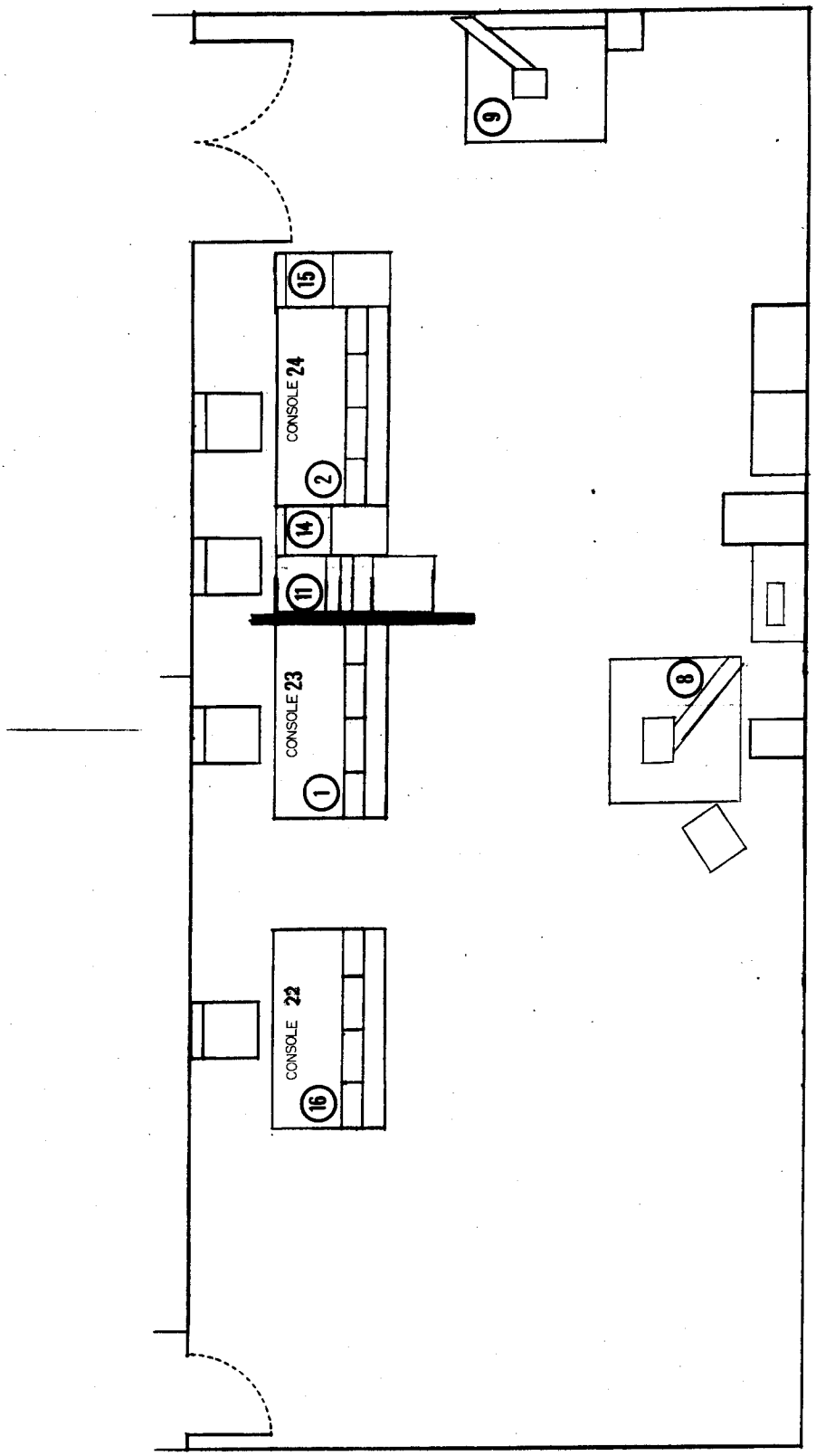


FLIGHT CREW SSR
ROOM NO. 312A

ROOM NO. 312A
FLIGHT CREW SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	PROGRAM OFFICE SUPPORT	CONS 81
02	PROGRAM OFFICE SUPPORT	CONS 82

MCC MOCR-3
OPERATIONAL CONFIGURATION

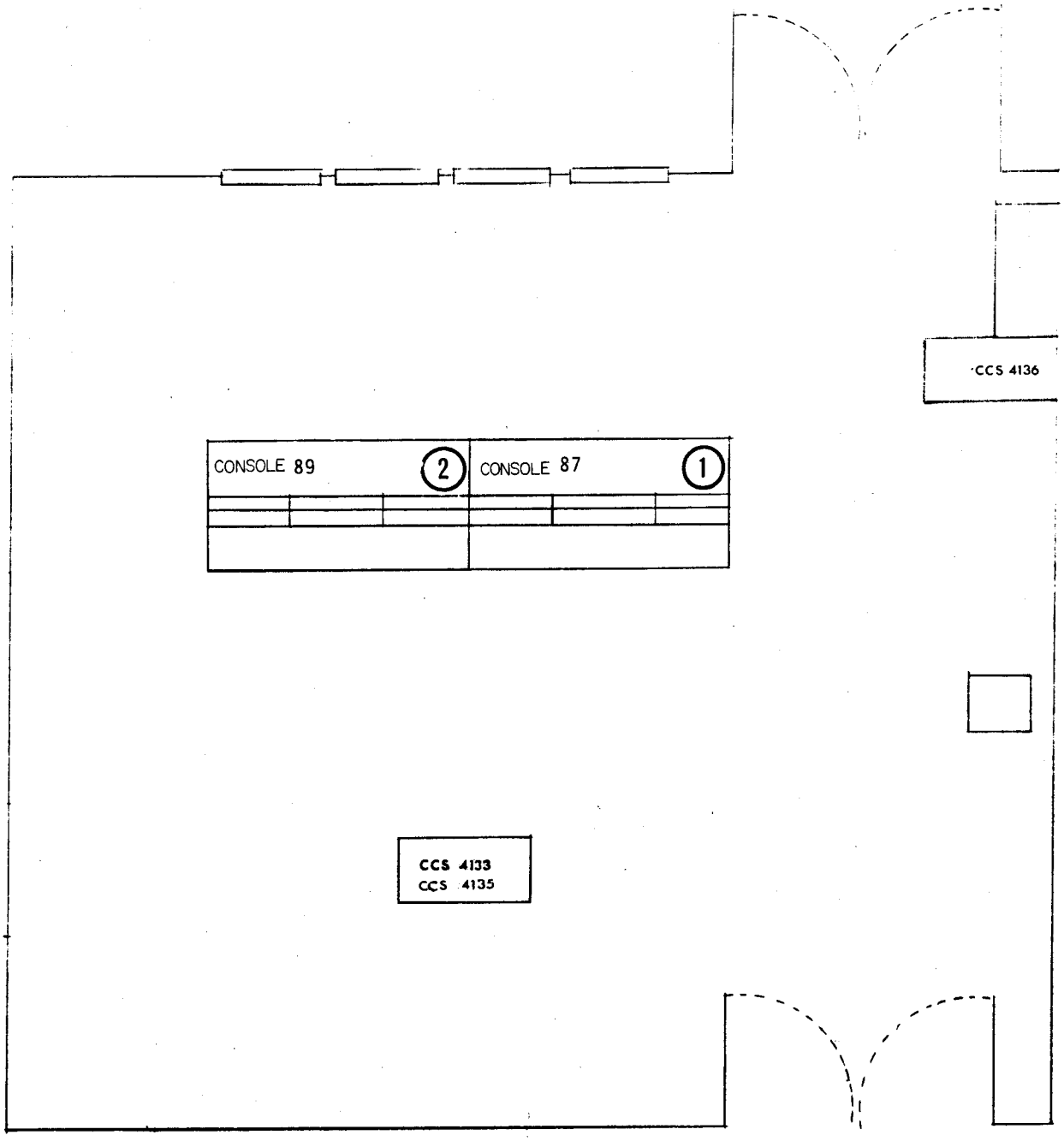


OPERATIONS AND PROCEDURES SSR
ROOM NO. 313

ROOM NO. 313
OPERATIONS AND PROCEDURES SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	FLIGHT PLAN SUPPORT	CONS 23
02	INFORMATION FLOW COORD	CONS 24
08	OPAQUE TELEVIEWER NO. 1	
09	OPAQUE TELEVIEWER NO. 2	
14	SILENT TELLETYPE	CONS 69
15	SILENT TELLETYPE	CONS 69
16	ALSEP EAO REPRESENTATIVE	CONS 86

MCC MOCR-3
OPERATIONAL CONFIGURATION



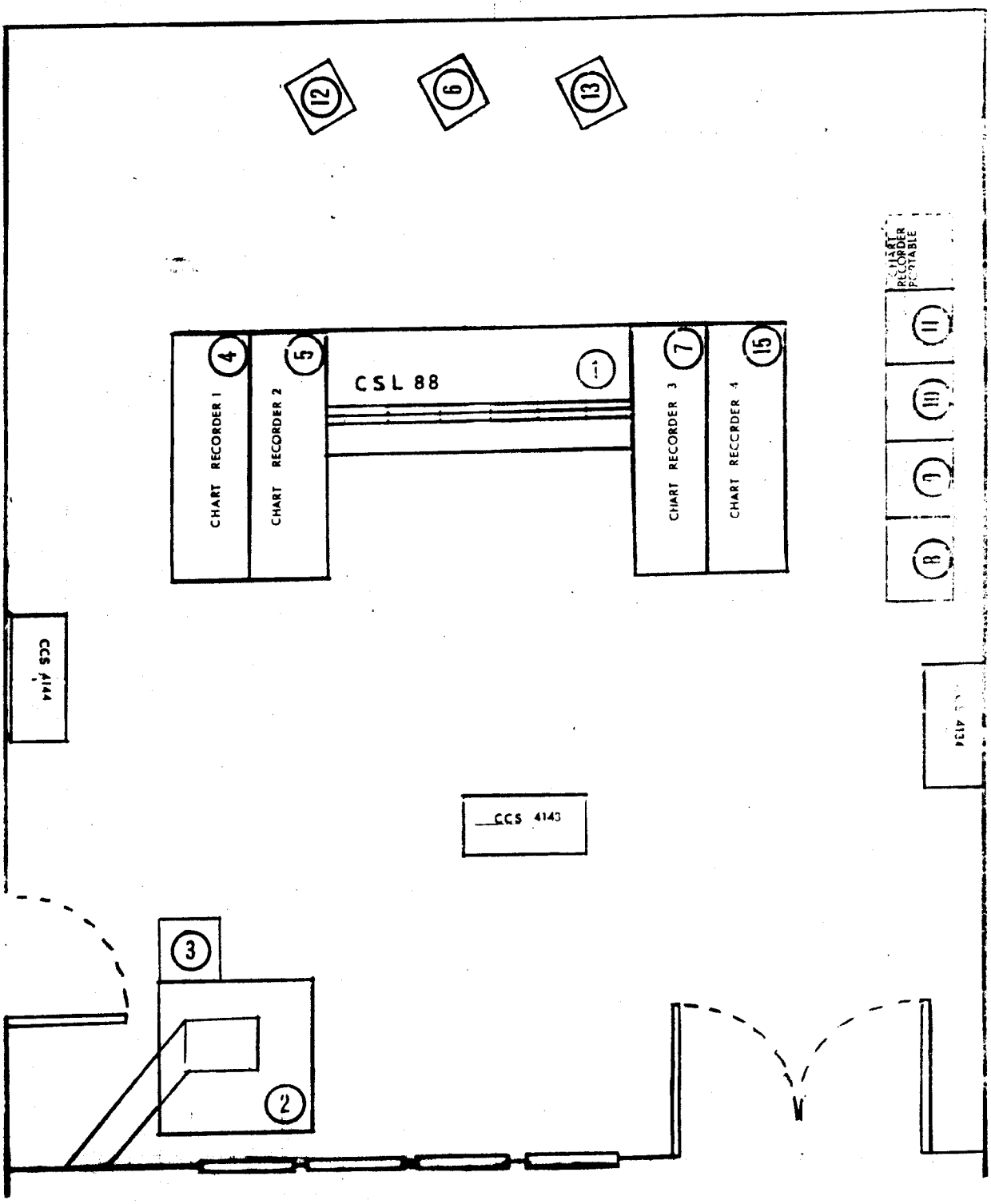
ALSEP INVESTIGATOR SSR

ROOM NO. 314A

ROOM NO. 314A
ALSEP INVESTIGATOR SSR

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	ALSEP LSPO REPRESENTATIVE	CONS 87
02	ALSEP PRIN INVESTIGATORS	CONS 89

MCC MOCR-3
OPERATIONAL CONFIGURATION

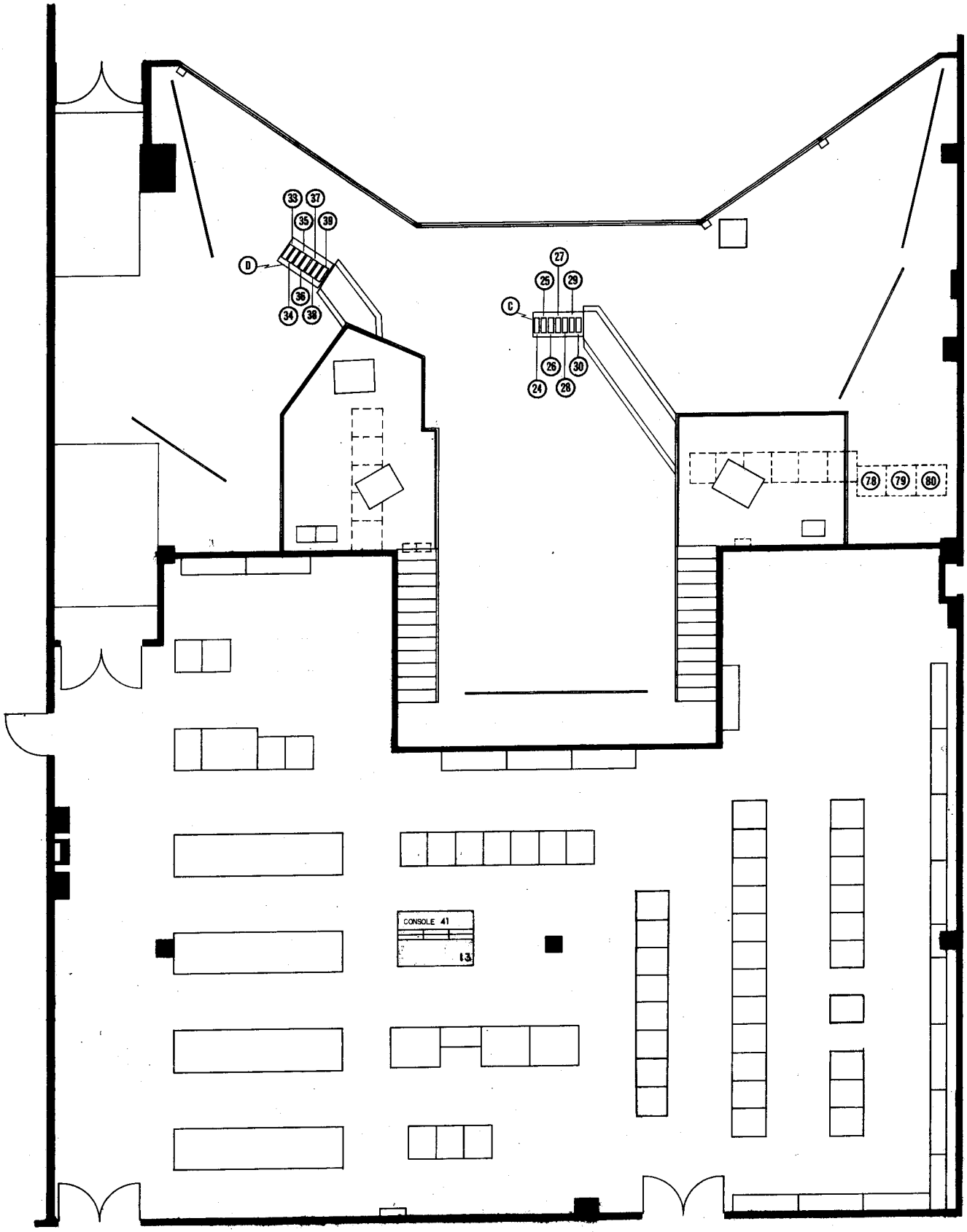


ALSEP SYSTEMS CONTROL
ROOM NO. 3148

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 314B
ALSEP SYSTEMS CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	P & FS/ALSEP	CONS 88
02	OPAQUE TELEVISOR	
03	OPAQUE TELEVIEWER	
04	CHART RECORDER-1	
05	CHART RECORDER-2	
06	OVERHEAD TV MONITOR	
07	CHART RECORDER-3	
08	DRUM RECORDERS 4 & 8	
09	DRUM RECORDERS 3 & 7	
10	DRUM RECORDERS 2 & 6	
11	DRUM RECORDERS 1 & 5	
12	OVERHEAD TV MONITOR	
13	OVERHEAD TV MONITOR	
15	CHART RECORDER-4	



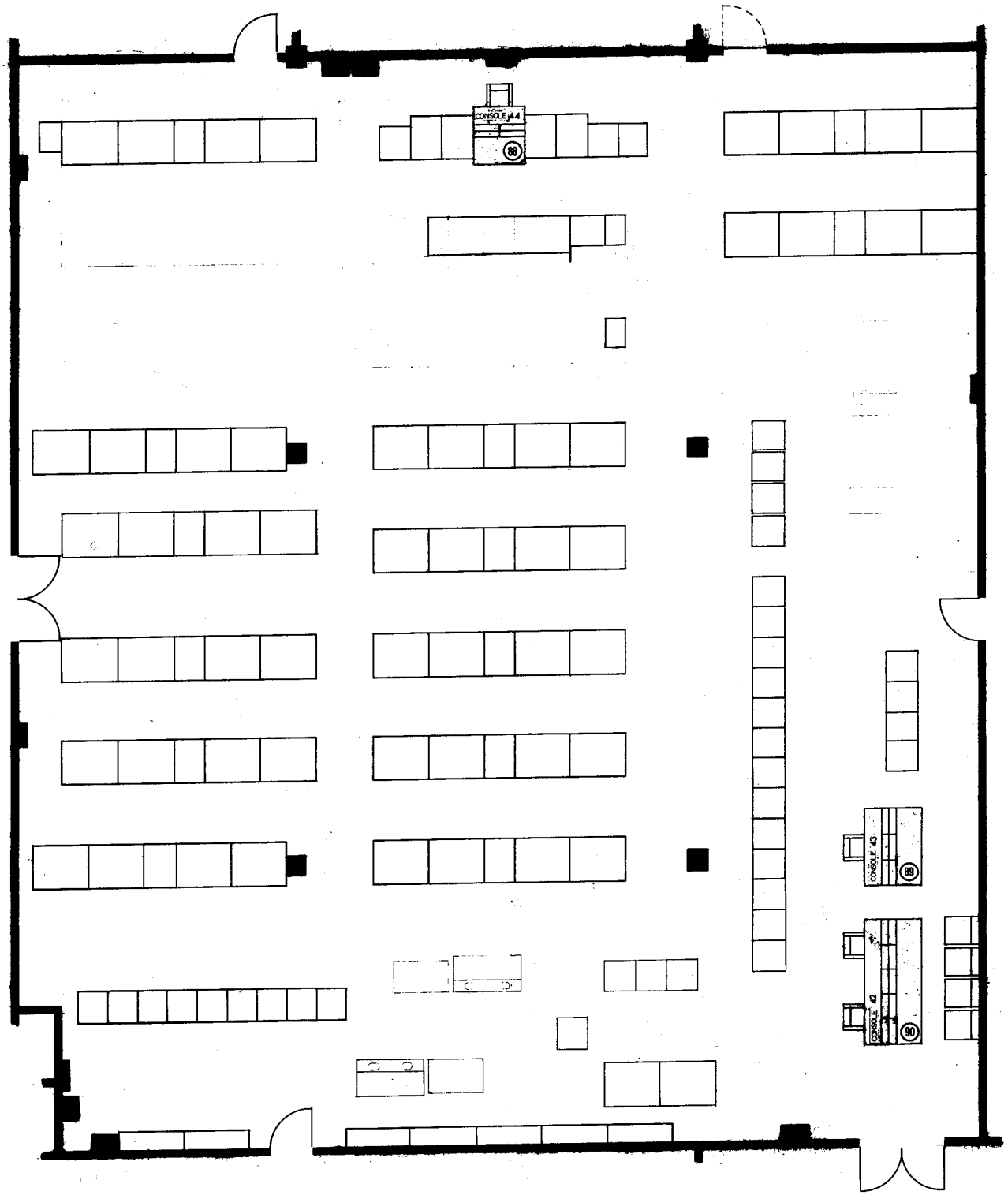
CONTROL AND DISPLAY TERMINAL EQUIPMENT
ROOM NO. 316

ROOM NO. 316
CONTROL AND DISPLAY TERMINAL EQUIPMENT

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
13	VIDEO ENGINEER	CONS 41

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



DISPLAY AND TIMING EQUIPMENT
ROOM NO. 319

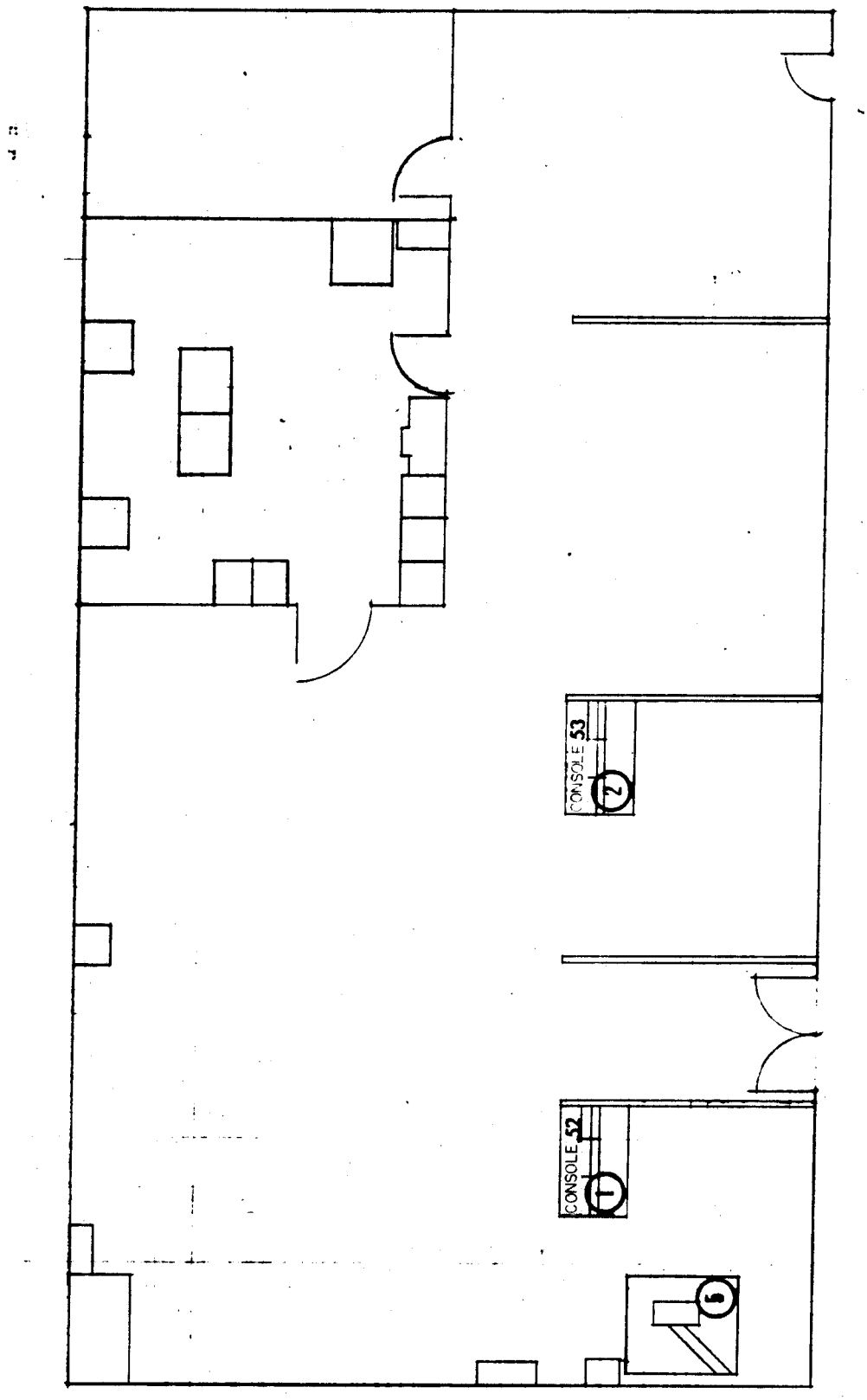
I-01-24-01

ROOM NO. 319
DISPLAY AND TIMING EQUIPMENT

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
88	DIGITAL TV CONVERTER ENGR	CONS 44
89	VIDEO INTERFACE ENGINEER	CONS 43
90	PAO & FOD TV EDITORS	CONS 42

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



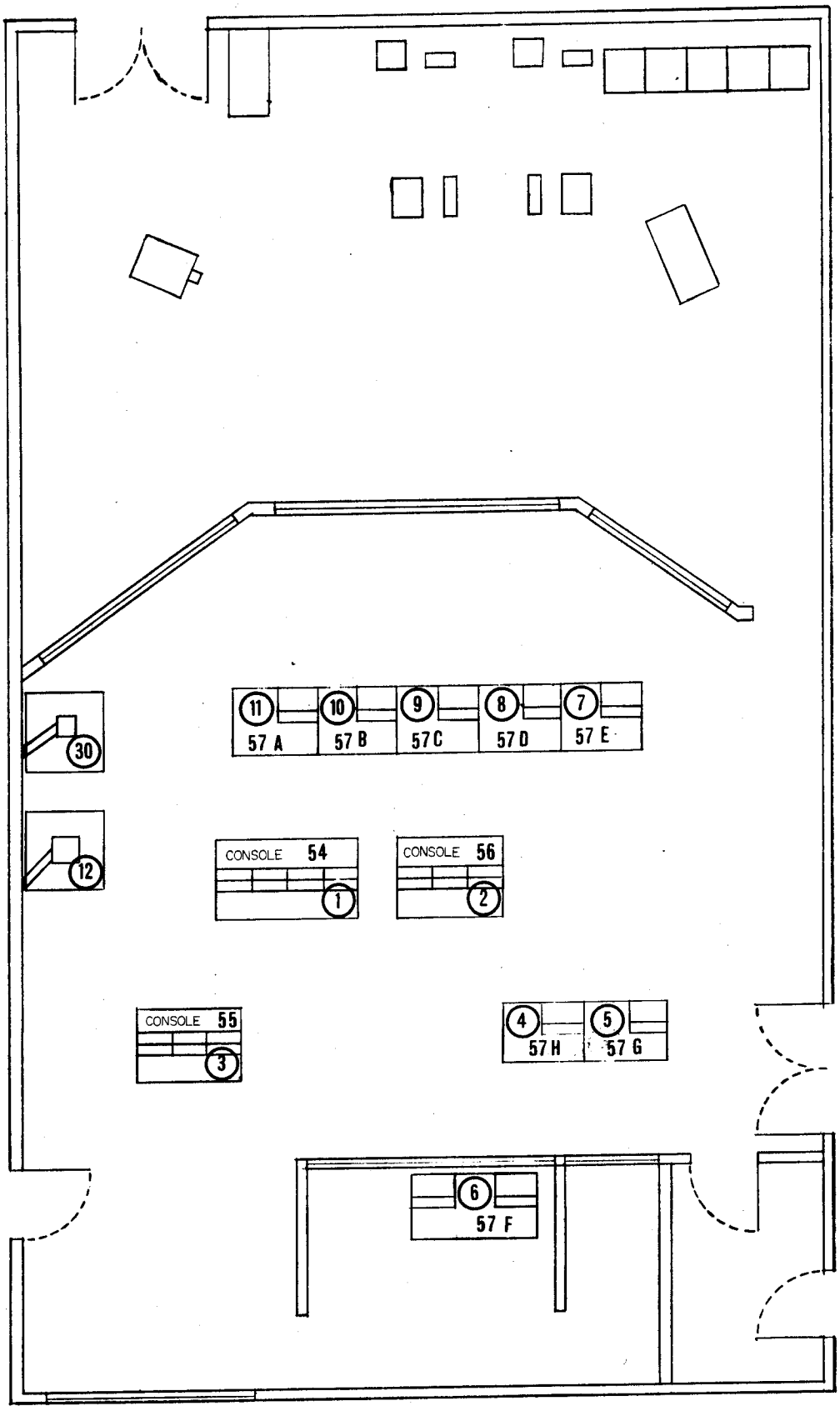
METEOROLOGY CENTER
ROOM NO. 324

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 324
METEOROLOGY CENTER

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	SPACECRAFT METEOROLOGIST	CONS 52
02	SPACE ENVIRONMENT	CONS 53
05	OPAQUE TELEVIEWER	

MCC MOCR-3
OPERATIONAL CONFIGURATION



RECOVERY

ROOM NO. 327

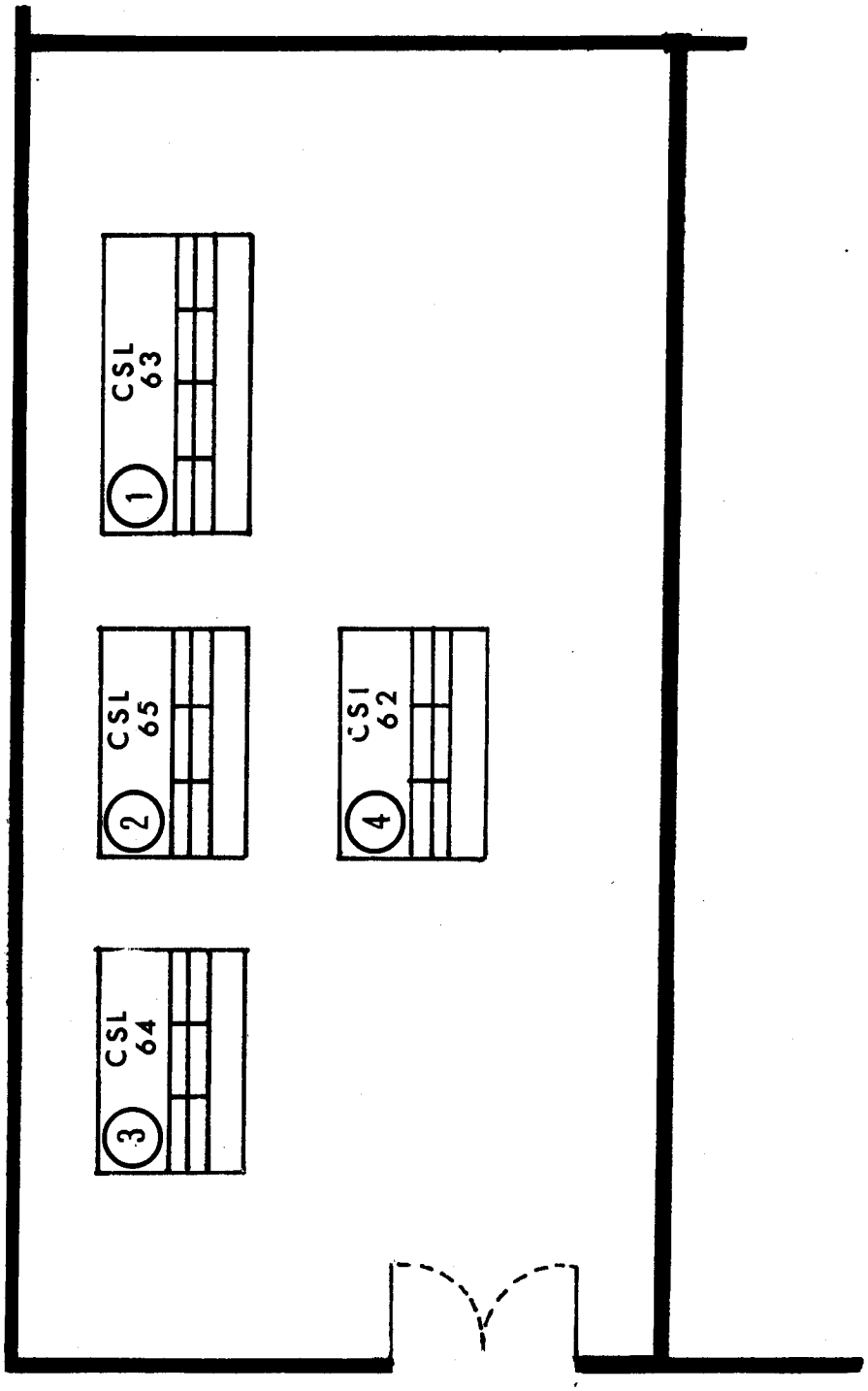
MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 327
RECOVERY

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	NASA RECOVERY COORDINATOR	CONS 54
02	DOD EXECUTIVE OFFICER	CONS 56
03	RECOVERY DISPLAY CONTROLLER	CONS 55
04	CHIEF, LANDING & RCVY DYN	CONS 57H
05	LOGISTICS SUPPORT	CONS 57G
06	DOD ASSISTANT FOR COMM	CONS 57F
07	DOD PIO	CONS 57E
08	DOD RECORDER	CONS 57D
09	DOD PRIMARY OP.	CONS 57C
10	DOD COORDINATOR	CONS 57B
11	DOD SECONDARY OP.	CONS 57A
12	RECOVERY OPAQUE TV	
30	MANUAL PLOT GENERATOR	

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



SIMULATION CONTROL

ROOM NO. 328

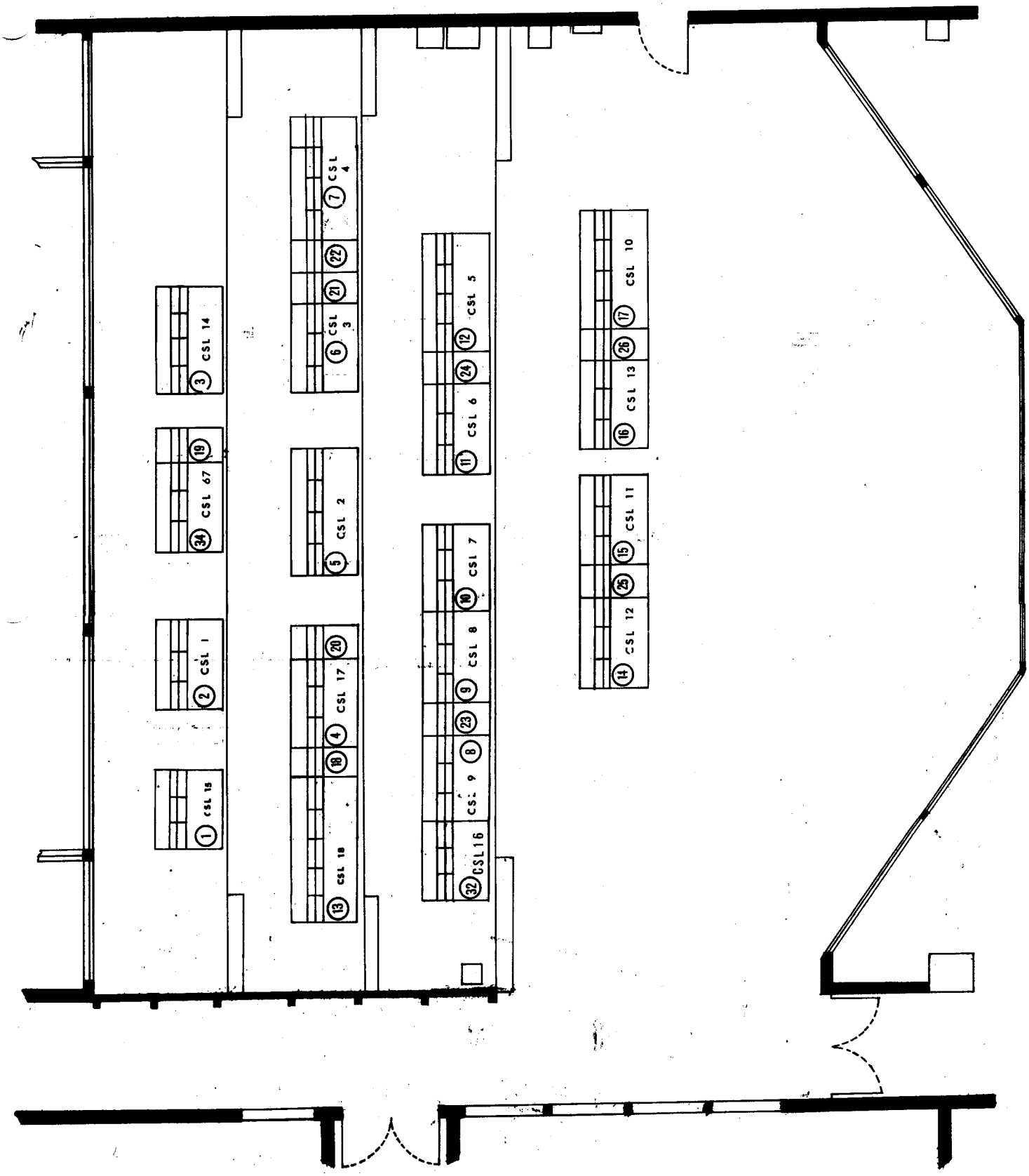
MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 328
SIMULATION CONTROL

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	SIM LM/SLV	CONS 63
02	SIM CSM	CONS 65
03	SIM TRACKING & TRAJECTORY	CONS 64
04	SIMULATION SUPERVISOR	CONS 62

MCC MOCR-3
OPERATIONAL CONFIGURATION

PHO-TR155
03-26-71



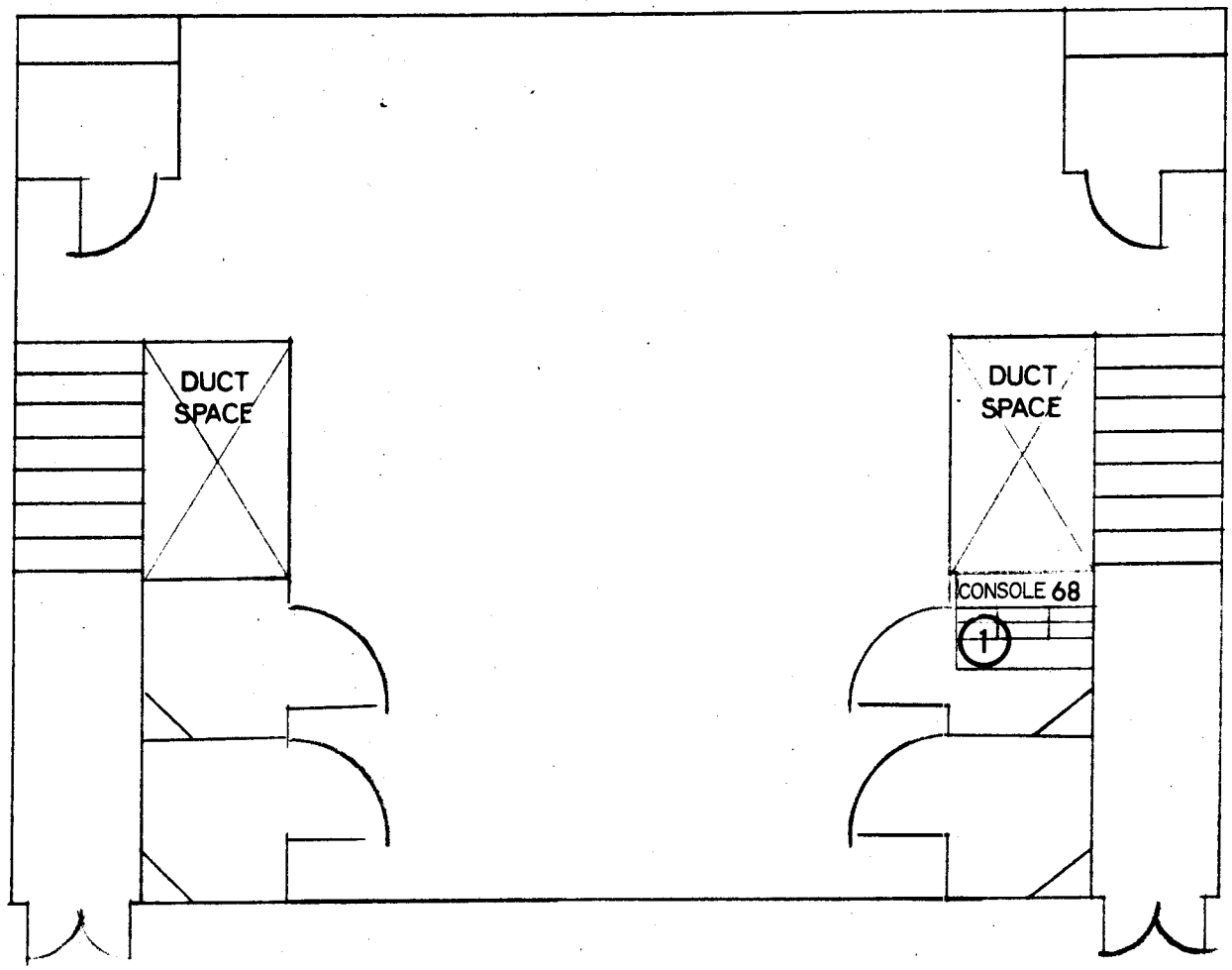
MISSION OPERATIONS CONTROL (MOCR)
ROOM NO. 330

I-01-28-01

MCC MOCR-3
OPERATIONAL CONFIGURATION

ROOM NO. 330
MISSION OPERATIONS CONTROL (MOCR)

EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	DCD MANAGER	CONS 15
02	MISSION DIRECTOR	CONS 01
03	PUBLIC AFFAIRS OFFICER	CONS 14
04	FLIGHT ACT. & EXPMT OFFICER	CONS 17
05	FLIGHT DIRECTOR	CONS 02
06	ASST FLIGHT DIRECTOR	CONS 03
07	OPS & PROCEDURES OFFICER	CONS 04
08	LM EECOM ENGINEER	CONS 09
09	CSM GNC ENGINEER	CONS 08
10	CSM EECOM ENGINEER	CONS 07
11	CAP COMM	CONS 06
12	LIFE SYSTEMS OFFICER	CONS 05
13	NETWORK CONTROLLER	CONS 18
14	GUIDANCE OFFICER	CONS 12
15	FLIGHT DYNAMICS OFFICER	CONS 11
16	RETROFIRE OFFICER	CONS 13
17	BOOSTER SYSTEMS ENGINEER	CONS 10
18	P-TUBE STATION NO. 11	CONS
19	P-TUBE STATION NO. 21	CONS
20	P-TUBE STATION NO. 12	CONS
21	P-TUBE STATION NO. 04	CONS
22	P-TUBE STATION NO. 22	CONS
23	P-TUBE STATION NO. 13	CONS
24	P-TUBE STATION NO. 23	CONS
25	P-TUBE STATION NO. 14	CONS
26	P-TUBE STATION NO. 24	CONS
28	SILENT TELETYPE	CONS
29	SILENT TELETYPE	CONS
32	LM GNC ENGINEER	CONS 16
34	DIRECTOR FLIGHT OPS	CONS 67

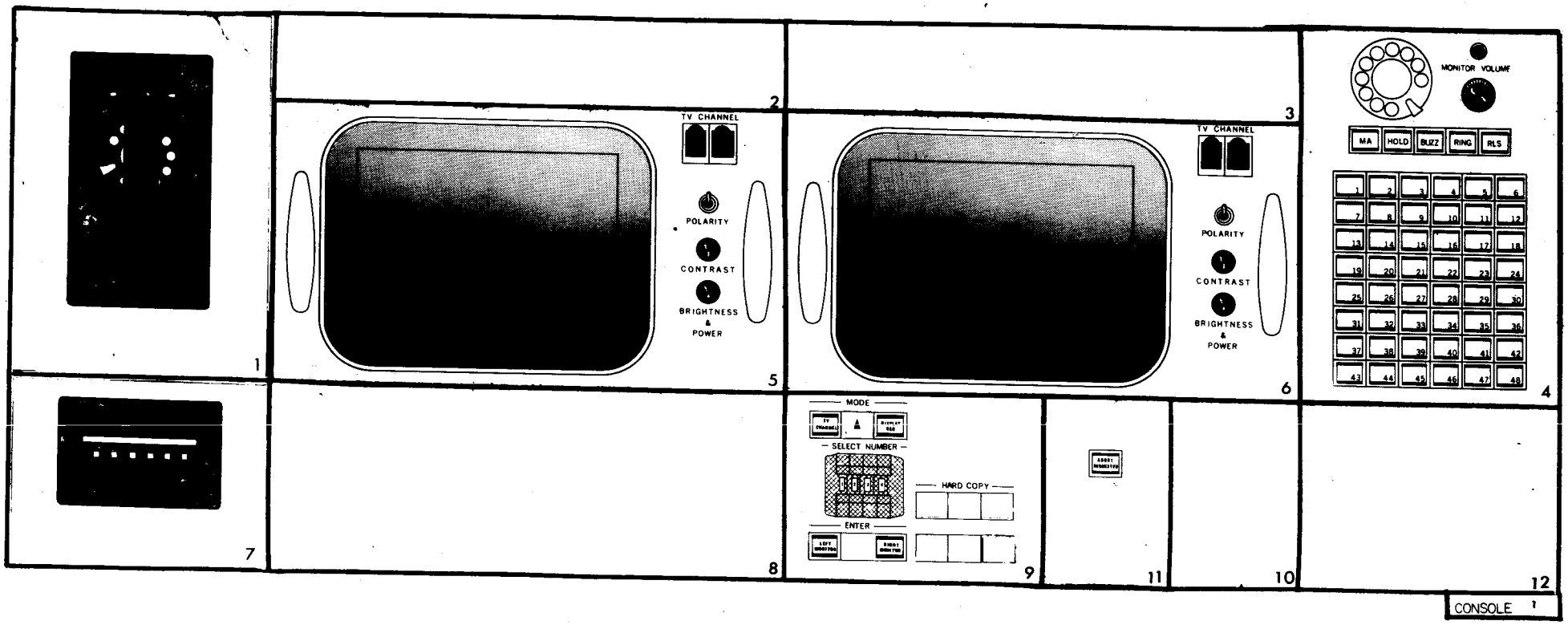


VISITORS VIEWING AREA
ROOM NO. 332

ROOM NO. 332
VISITORS VIEWING AREA

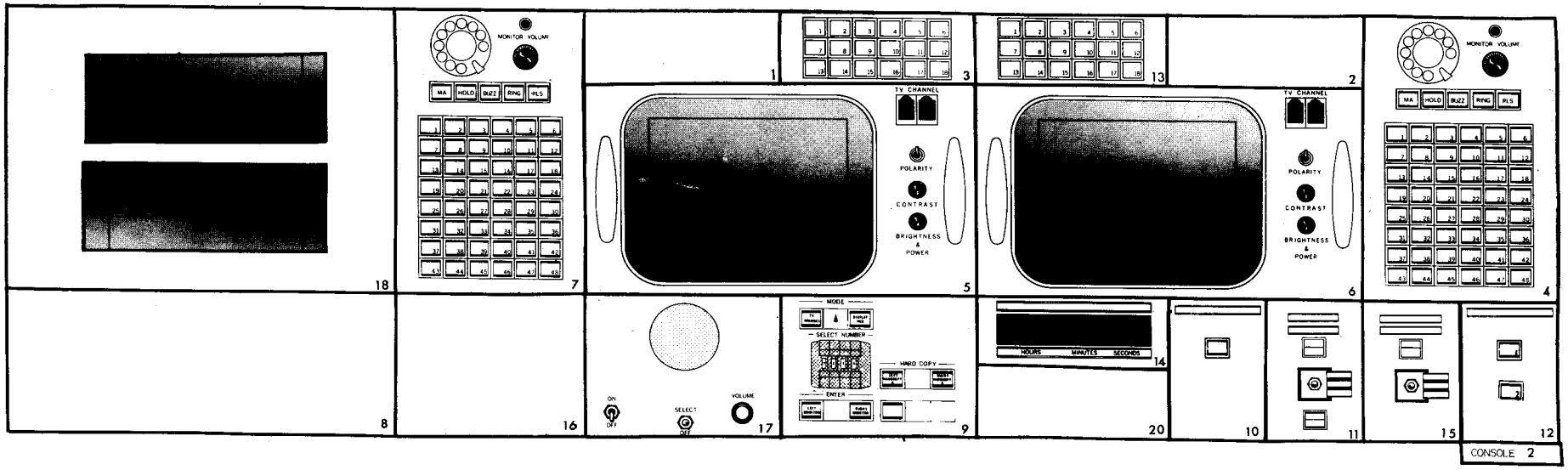
EQUIP LOC	EQUIPMENT NOMENCLATURE	EQUIPMENT TYPE
01	AUDIO VISUAL CONTROLLER	CONS 68

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	CONSOLE MTD TELEPHONE	COMMTP		07	TELEPHONE LINE SELECT	COMTLS	
02	BLANK PANEL	D11/8		08	BLANK PANEL	D11/16	
03	BLANK PANEL	D11/8		09	MANUAL SELECT KEYBOARD	A6A/24	
04	VOICE COMM POSITION-3001	V48MFD		10	BLANK PANEL	D11/13	
05	TV MONITOR 14" PRECISION	C2/1		11	ABORT REQUESTED	D9/4B1	
06	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/14	



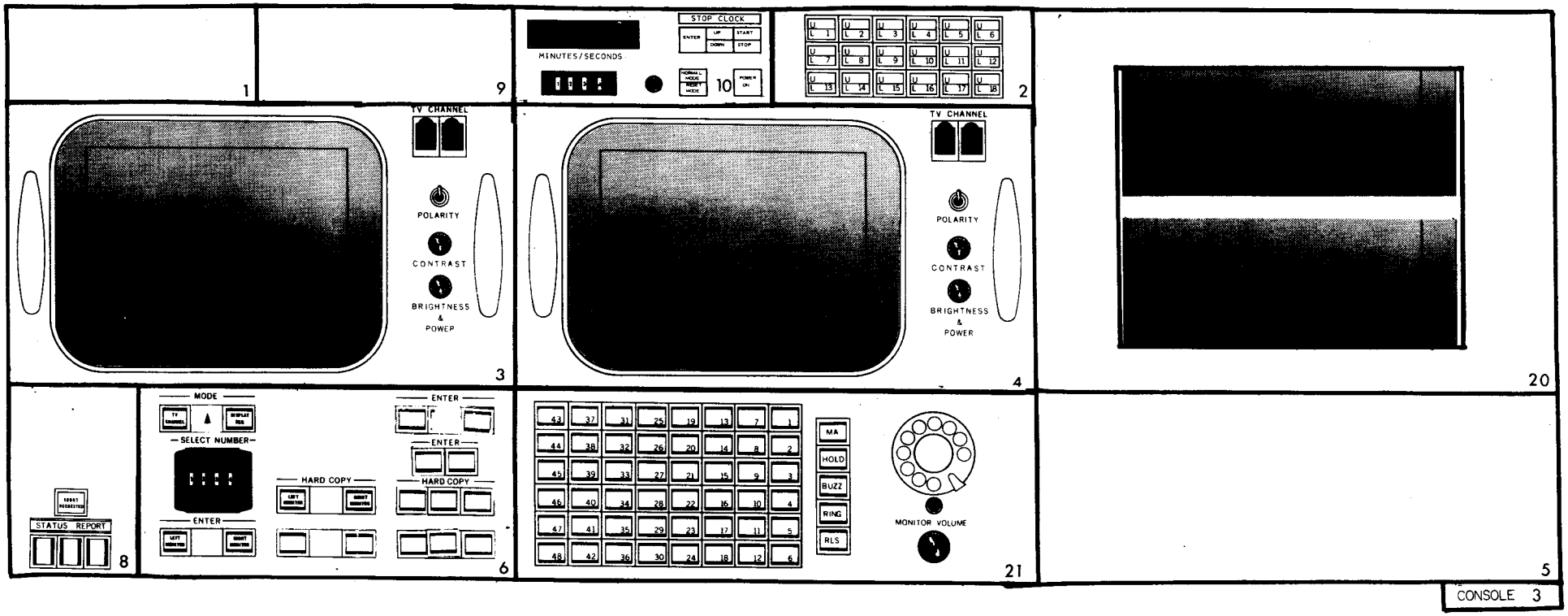
MISSION DIRECTOR
CONSOLE NO. 01
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		11	TOGGLE SWITCH/INDICATOR/SW.	D9/9B	
02	BLANK PANEL	D11/6		12	TWO PBI SWITCH	D9/4D3	
03	EVENT INDICATOR	D9/5B		13	EVENT INDICATOR	D9/5BU2	
04	VOICE COMM POSITION-3002	V48MFD		14	7 DIGIT CLOCK	D8/3	
05	TV MONITOR 14" PRECISION	C2/1		15	TOGGLE SWITCH/INDICATOR	D9/10C	
06	TV MONITOR 14" PRECISION	C2/1		16	BLANK PANEL	D11/14	
07	VOICE COMM POSITION-3003	V48MFD		17	VOICE COMM SPEAKER	C1/1	
08	BLANK PANEL	D11/16		18	SHELF PANEL (2)	C5/1	
09	MANUAL SELECT KEYBOARD	A6A/1		20	BLANK PANEL	D11/6	
10	SINGLE PBI SWITCH	D9/4A1					



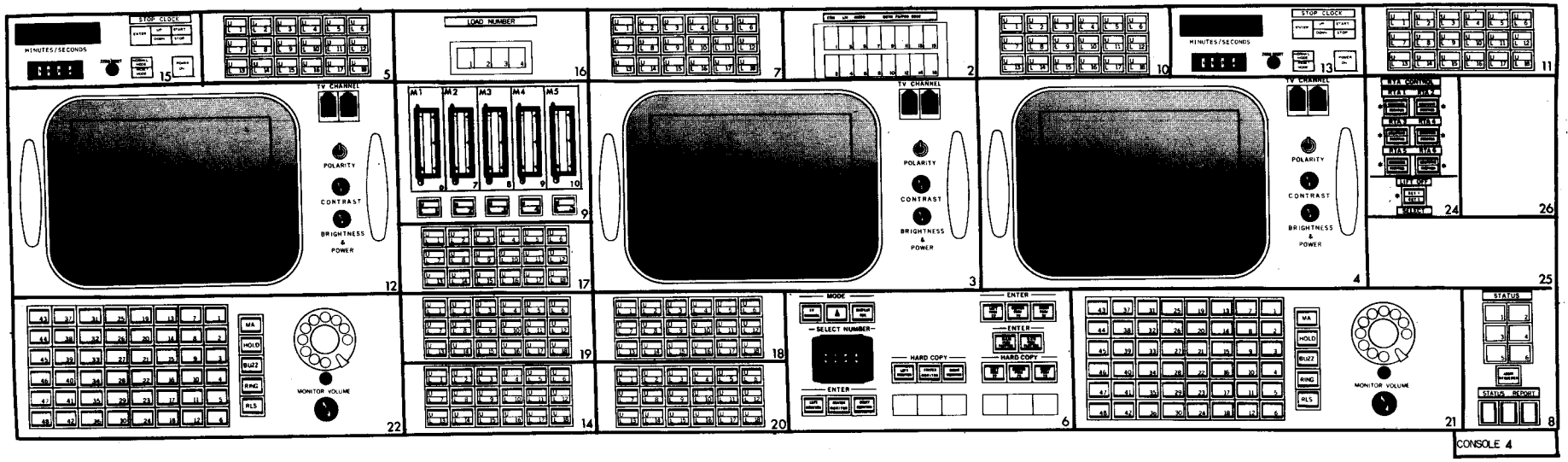
FLIGHT DIRECTOR
CONSOLE NO. 02
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		08	STATUS REPORTING	D9/1B	
02	EVENT INDICATOR	D9/5B		09	BLANK PANEL	D11/6	
03	TV MONITOR 14" PRECISION	C2/1		10	STOP CLOCK (4 DIGIT)	B12/3	
04	TV MONITOR 14" PRECISION	C2/1		20	SHELF PANEL (2)	C5/1	
05	BLANK PANEL	D11/16		21	VOICE COMM POSITION-3004	H48MFD	
06	MANUAL SELECT KEYBOARD	A6E/1					

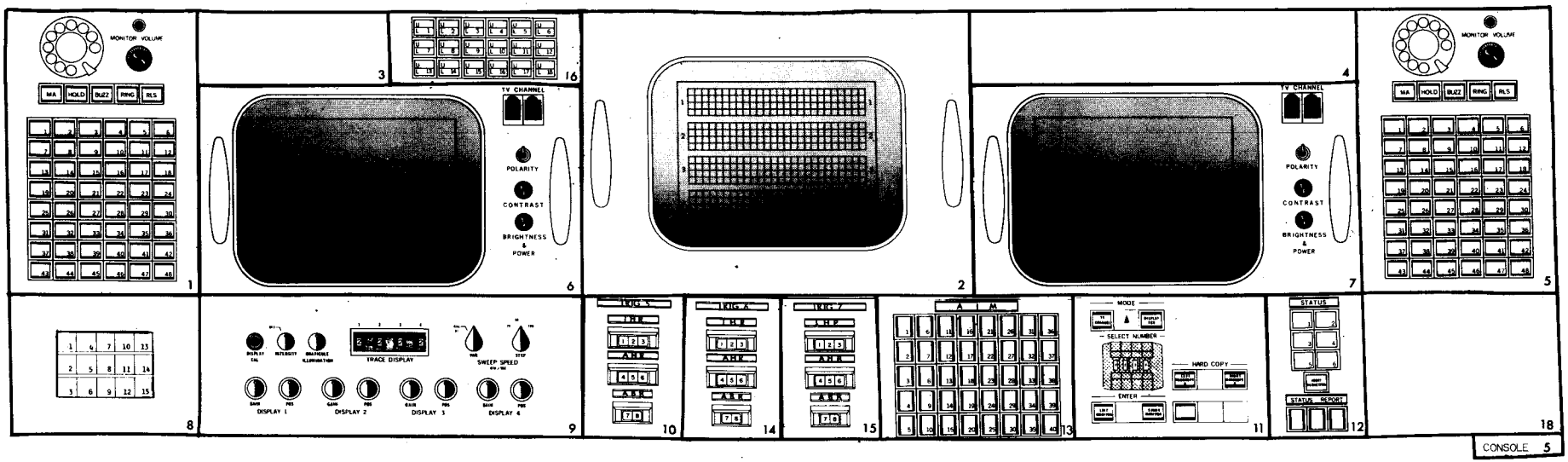


ASST FLIGHT DIRECTOR
CONSOLE NO. 03
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
02	SITE INDICATOR	D9/52		14	SWITCH MODULE	D9/40E	
03	TV MONITOR 14" PRECISION	C2/1		15	STOP CLOCK (4 DIGIT)	B12/3	
04	TV MONITOR 14" PRECISION	C2/1		16	LOAD NUMBER INDICATOR	D9/41B	
05	EVENT INDICATOR	D9/5B		17	SWITCH MODULE	D9/40E	
06	MANUAL SELECT KEYBOARD	A6E/2		18	SWITCH MODULE	D9/40E	
07	EVENT INDICATOR	D9/5B		19	SWITCH MODULE	D9/40E	
08	STATUS/STATUS REPORT	D9/1A		20	SWITCH MODULE	D9/40E	
09	ANALOG METER (5)	D9/29C		21	VOICE COMM POSITION-3005	H48MFD	
10	EVENT INDICATOR	D9/5B		22	VOICE COMM POSITION-3006	H48MFD	
11	EVENT INDICATOR	D9/5B		24	RTA REMOTE CONTROL	D9/20	10
12	TV MONITOR 14" PRECISION	C2/1		25	BLANK PANEL	D11/6	
13	STOP CLOCK (4 DIGIT)	B12/3		26	BLANK PANEL	D11/13	

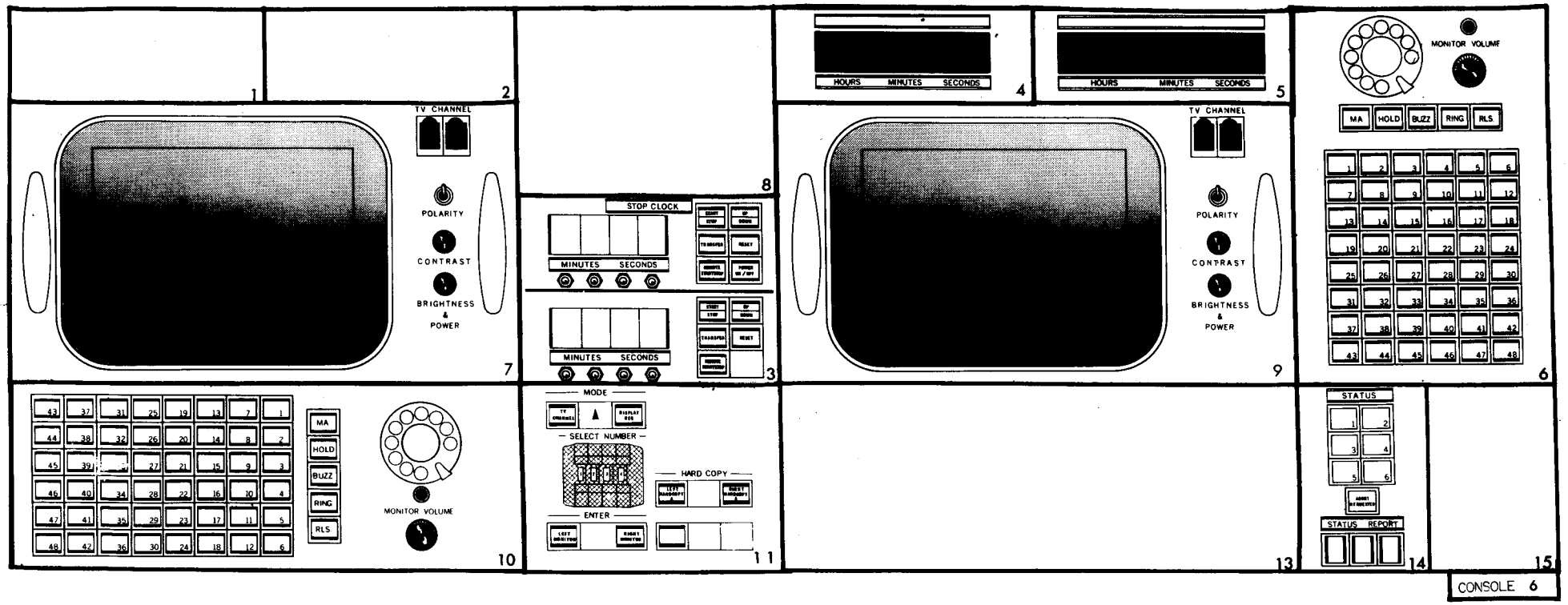


LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3007	V48-FD		10	DIGITAL RATE DISP (8 UNIT)	D8/6	
02	CARDIOSCOPE DISPLAY	C4/1		11	MANUAL SELECT KEYBOARD	A6B/1	
03	BLANK PANEL	D11/6		12	STATUS/STATUS REPORT	D9/1A	
04	BLANK PANEL	D11/8		13	ANALOG INPUT MATRIX	A19/E	
05	VOICE COMM POSITION-3008	V48MFD		14	DIGITAL RATE DISP (8 UNIT)	D8/6	
06	TV MONITOR 14" PRECISION	C2/1		15	DIGITAL RATE DISP (8 UNIT)	D8/6	
07	TV MONITOR 14" PRECISION	C2/1		16	EVENT INDICATOR	D9/5B	
08	TLM INPUT SELECT & DISPLAY	D9/45C	23	18	BLANK PANEL	D11/14	
09	CARDIOSCOPE CONTROL	C4/2					



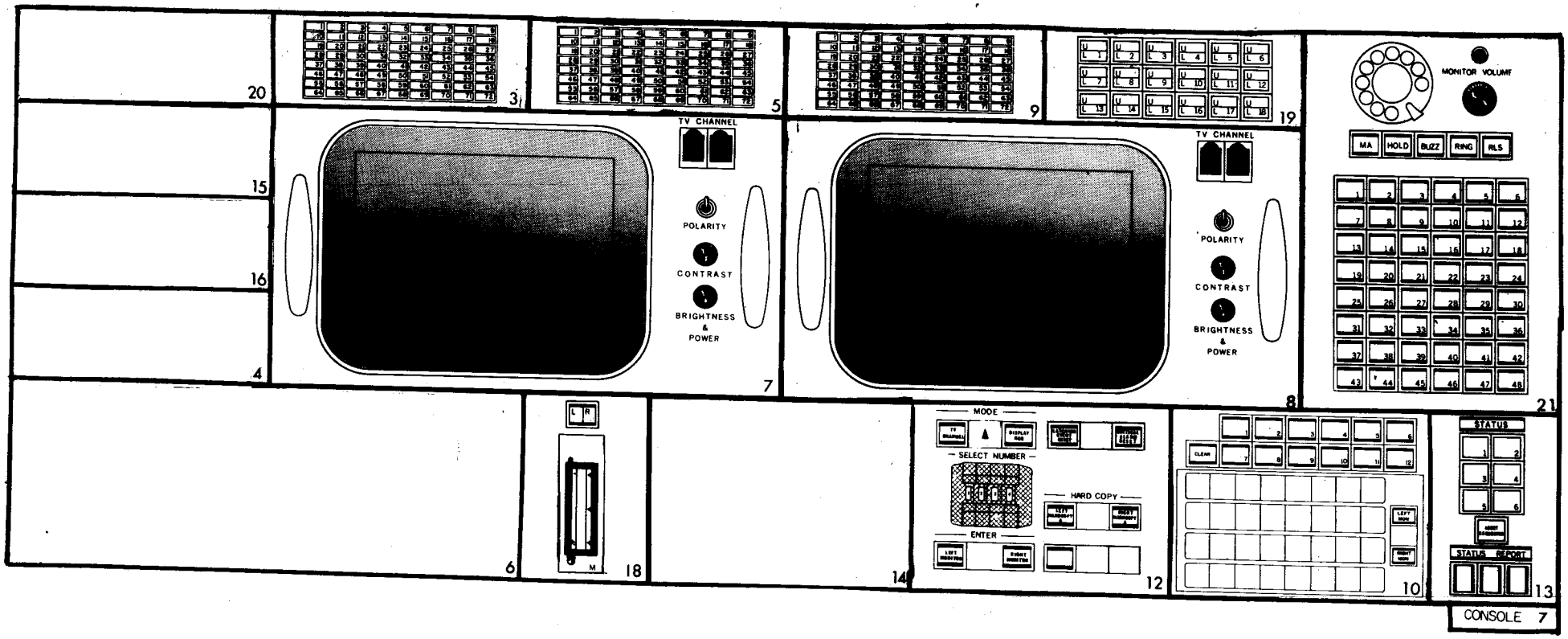
LIFE SYSTEMS OFFICER
CONSOLE NO. 05
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		09	TV MONITOR 14" PRECISION	C2/1	
03	STOP CLOCK	B12/2		10	VOICE COMM POSITION-3010	H48MFD	
04	6 DIGIT CLOCK	D8/1		11	MANUAL SELECT KEYBOARD	A6A/1	
05	7 DIGIT CLOCK	D8/3		13	BLANK PANEL	D11/16	
06	VOICE COMM POSITION-3009	V48MFD		14	STATUS/STATUS REPORT	D9/1A	
07	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/13	



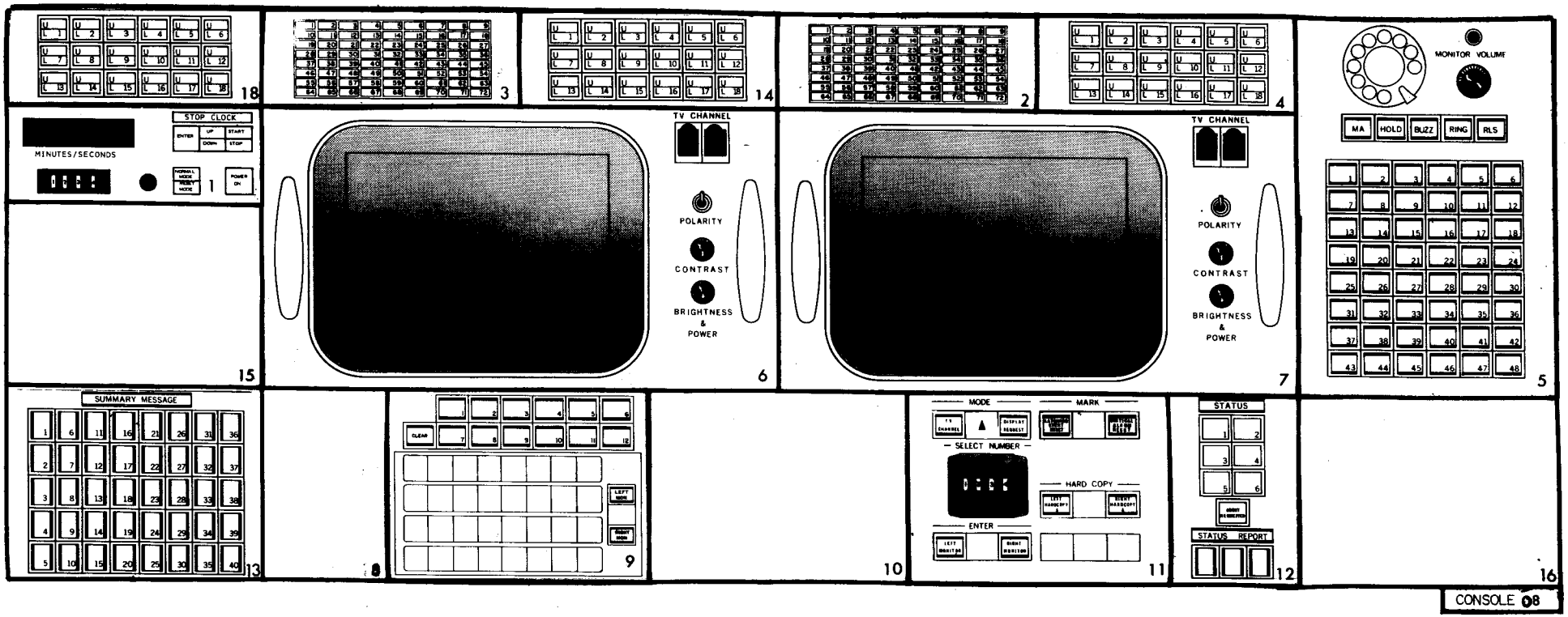
CAP COMM
CONSOLE NO. 06
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE
03	EVENT INDICATOR (72)	D9/28	
04	BLANK PANEL	D11/6	
05	EVENT INDICATOR (72)	D9/28	
06	VOICE COMM POSITION-3011	H48MFD	
07	TV MONITOR 14" PRECISION	C2/1	
08	TV MONITOR 14" PRECISION	C2/1	
09	EVENT INDICATOR (72)	D9/28	
10	DISPLAY REQUEST KEYBOARD	A16/A	
12	MANUAL SELECT KEYBOARD	A68/1	
13	STATUS/STATUS REPORT	D9/1A	
14	BLANK PANEL	D11/14	
15	BLANK PANEL	D11/6	
16	BLANK PANEL	D11/6	
18	ANALOG METER (1)	D9/29B	
19	BLANK PANEL	D11/6	
20	BLANK PANEL	D11/6	
21	VOICE COMM POSITION-3012	V48-FD	



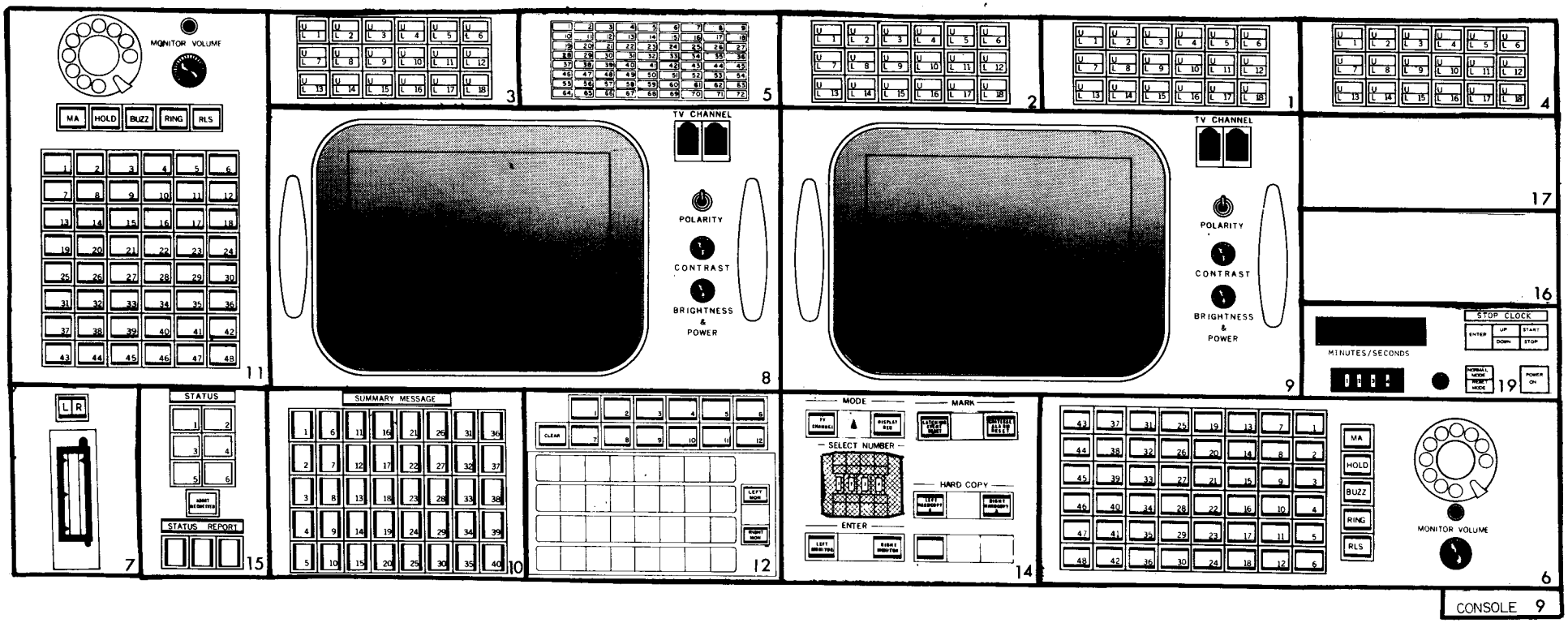
CSM EECOM ENGINEER
CONSOLE NO. 07
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	STOP CLOCK (4 DIGIT)	B12/3		10	BLANK PANEL	D11/14	
02	EVENT INDICATOR (72)	D9/28		11	MANUAL SELECT KEYBOARD	A6B/1	
03	EVENT INDICATOR (72)	D9/28		12	STATUS/STATUS REPORT	D9/1A	
04	EVENT INDICATOR	D9/5B		13	SUMMARY MSG ENABLE KEYBOARD	A19/A	
05	VOICE COMM POSITION-3013	V48MFD		14	EVENT INDICATOR	D9/5B	
06	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/14	
07	TV MONITOR 14" PRECISION	C2/1		16	BLANK PANEL	D11/14	
08	BLANK PANEL	D11/13		18	EVENT INDICATOR	D9/5B	
09	DISPLAY REQUEST KEYBOARD	A16/A					



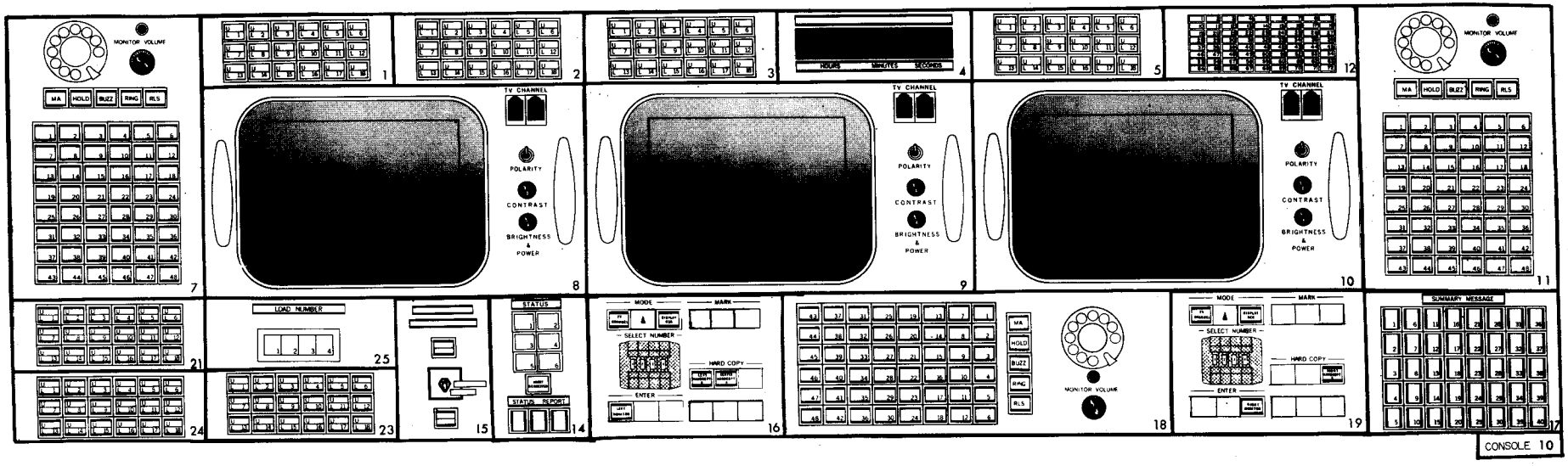
CSM GNC ENGINEER
CONSOLE NO. 08
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B		10	SUMMARY MSG ENABLE KEYBOARD	A19/A	
02	EVENT INDICATOR	D9/5B		11	VOICE COMM POSITION-3015	V48MFD	
03	EVENT INDICATOR	D9/5B		12	DISPLAY REQUEST KEYBOARD	A16/A	
04	EVENT INDICATOR	D9/5B		14	MANUAL SELECT KEYBOARD	A6B/1	
05	EVENT INDICATOR (72)	D9/28		15	STATUS/STATUS REPORT	D9/1A	
06	VOICE COMM POSITION-3014	H48MFD		16	BLANK PANEL	D11/6	
07	ANALOG METER (1)	D9/29B		17	BLANK PANEL	D11/6	
08	TV MONITOR 14" PRECISION	C2/1		19	STOP CLOCK (4 DIGIT)	B12/3	
09	TV MONITOR 14" PRECISION	C2/1					



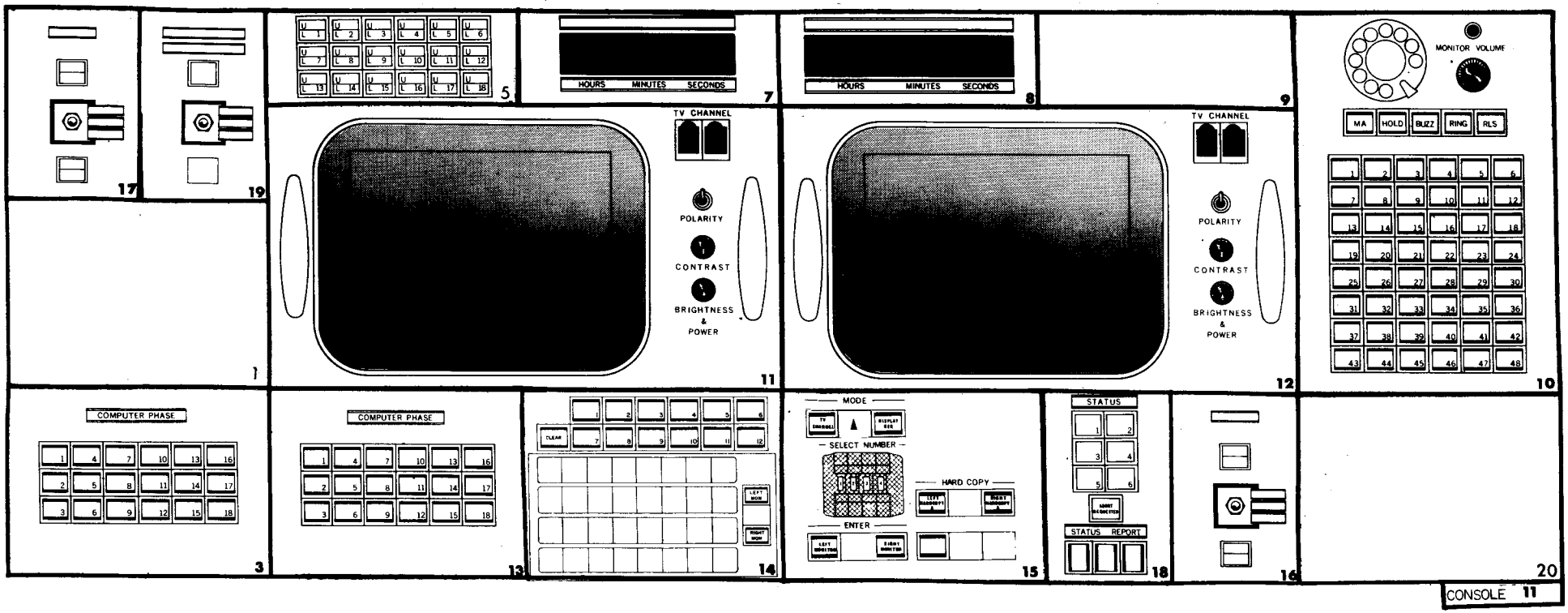
LM TELMU ENGINEER
CONSOLE NO. 09
ROOM NO. 33C

LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B	
02	EVENT INDICATOR	D9/5B	
03	EVENT INDICATOR	D9/5B	
04	7 DIGIT CLOCK	D8/3	
05	EVENT INDICATOR	D9/5B	
07	VOICE COMM POSITION-3016	V48MFD	
08	TV MONITOR 14" PRECISION	C2/1	
09	TV MONITOR 14" PRECISION	C2/1	
10	TV MONITOR 14" PRECISION	C2/1	
11	VOICE COMM POSITION-3017	V48MFD	
12	EVENT INDICATOR (72)	D9/28	
14	STATUS/STATUS REPORT	D9/1A	
15	TOGGLE SWITCH/INDICATOR	D9/9A	
16	MANUAL SELECT KEYBOARD	A6B/5	
17	SUMMARY MSG ENABLE KEYBOARD	A19/A	
18	VOICE COMM POSITION-3018	H48MFD	
19	MANUAL SELECT KEYBOARD	A6B/6	
21	SWITCH MODULE	D9/40F	
23	SWITCH MODULE	D9/40E	
24	SWITCH MODULE	D9/40F	
25	LOAD NUMBER INDICATOR	D9/41B	



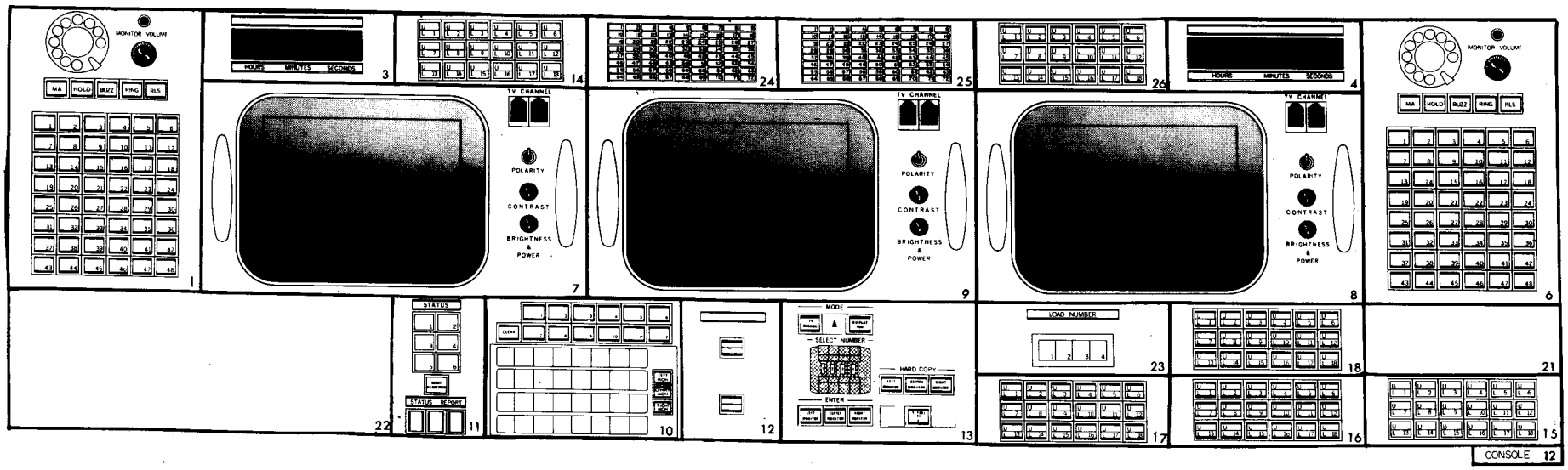
BOOSTER SYSTEMS ENGINEER
CONSOLE NO. 10
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/14		13	PHASE CONTROL KEYBOARD	A22/5	
03	PHASE CONTROL KEYBOARD	A22/4		14	DISPLAY REQUEST KEYBOARD	A16/A	
05	EVENT INDICATOR	D9/5B		15	MANUAL SELECT KEYBOARD	A6A/1	
07	6 DIGIT CLOCK	D8/1		16	TOGGLE SWITCH/INDICATOR	D9/9A	
08	7 DIGIT CLOCK	D8/3		17	TOGGLE SWITCH/INDICATOR	D9/10A	
09	BLANK PANEL	D11/6		18	STATUS/STATUS REPORT	D9/1A	
10	VOICE COMM POSITION-3019	V48MFD		19	TOGGLE SWITCH/INDICATOR	D9/9C	
11	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/14	
12	TV MONITOR 14" PRECISION	C2/1					



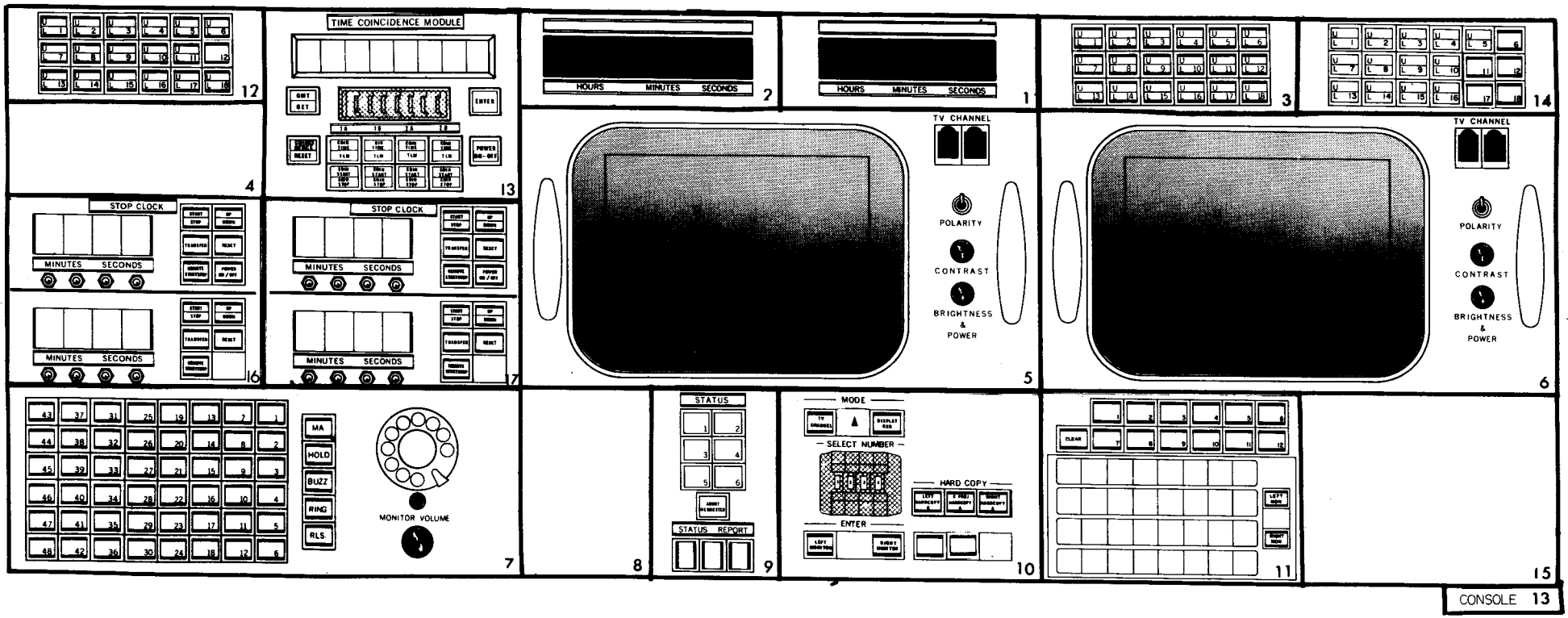
FLIGHT DYNAMICS OFFICER
CONSOLE NO. 11
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3020	V48MFD		14	EVENT INDICATOR	D9/5B	
03	6 DIGIT CLOCK	D8/1		15	EVENT INDICATOR	D9/5B	
04	7 DIGIT CLOCK	D8/3		16	SWITCH MODULE	D9/40E	
06	VOICE COMM POSITION-3021	V48MFD		17	SWITCH MODULE	D9/40E	
07	TV MONITOR 14" PRECISION	C2/1		18	SWITCH MODULE	D9/40E	
08	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/6	
09	TV MONITOR 14" PRECISION	C2/1		22	BLANK PANEL	D11/16	
10	DISPLAY REQUEST KEYBOARD	A16/B		23	LOAD NUMBER INDICATOR	D9/41B	
11	STATUS/STATUS REPORT	D9/1A		24	EVENT INDICATOR (72)	D9/28	
12	TWO PBI SWITCH	D9/4D5		25	EVENT INDICATOR (72)	D9/28	
13	MANUAL SELECT KEYBOARD	A6A/33		26	SWITCH MODULE	D9/5A2	



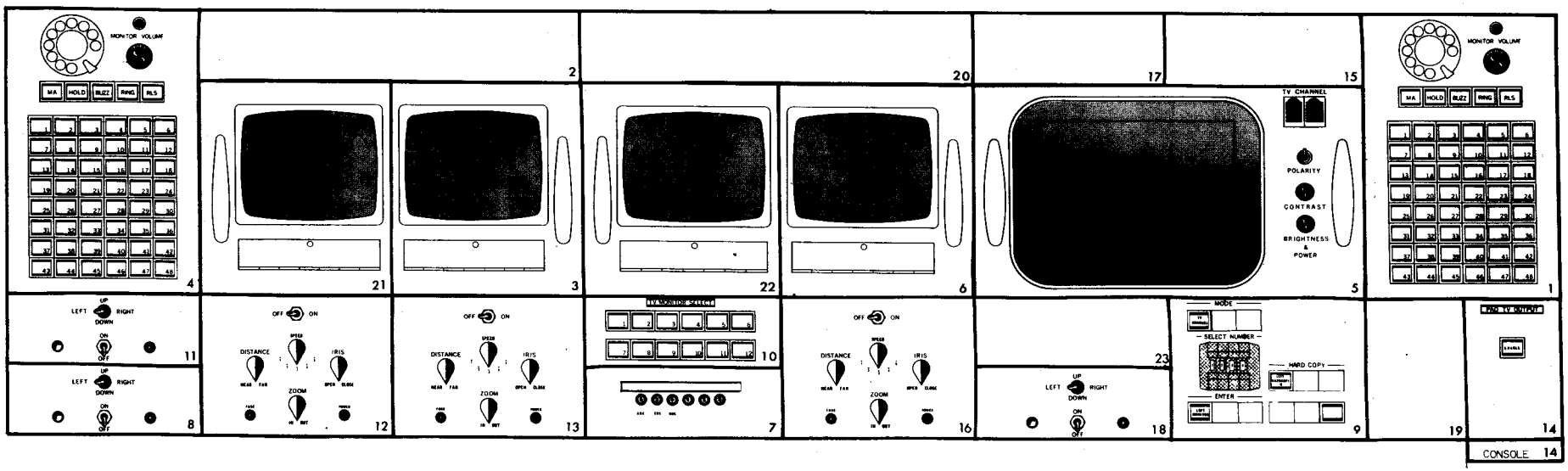
GUIDANCE OFFICER
CONSOLE NO. 12
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	6 DIGIT CLOCK	D8/1		10	MANUAL SELECT KEYBOARD	A6A/4	
02	7 DIGIT CLOCK	D8/3		11	DISPLAY REQUEST KEYBOARD	A16/A	
03	SWITCH MODULE	D9/5A1		12	SWITCH MODULE	D9/5H1	
04	BLANK PANEL	D11/6		13	COINCIDENCE TIME	B13/1	
05	TV MONITOR 14" PRECISION	C2/1		14	SWITCH MODULE	D9/5G3	
06	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/14	
07	VOICE COMM POSITION-3022	H48MFD		16	STOP CLOCK	B12/2	
08	BLANK PANEL	D11/13		17	STOP CLOCK	B12/2	
09	STATUS/STATUS REPORT	D9/1A					



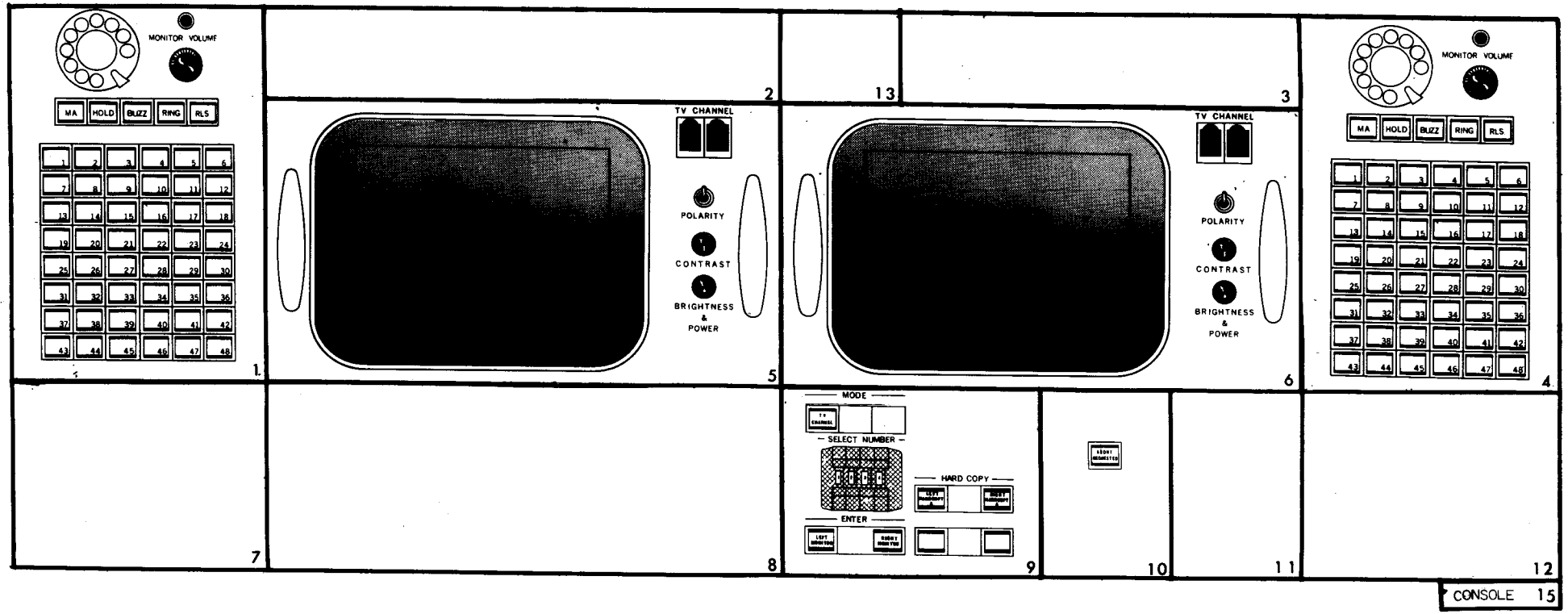
RETROFIRE OFFICER
CONSOLE NO. 13
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3023	V48MFD		12	ZOOM CONTROL	C1/3A	
02	BLANK PANEL	D11/8		13	ZOOM CONTROL	C1/3A	
03&21	TV MONITOR 8" DUAL			14	SINGLE PBI SWITCH	D9/4A1	
04	VOICE COMM POSITION-3024	V48MFD		15	BLANK PANEL	D11/6	
05	TV MONITOR 14" PRECISION	C2/1		16	ZOOM CONTROL	C1/3A	
06&22	TV MONITOR 8" DUAL			17	BLANK PANEL	D11/6	
07	SPECIAL TV MONITOR SW	C6F		18	PAN/TILT CONTROL	C1/3B	
08	PAN/TILT CONTROL	C1/3B		19	BLANK PANEL	D11/13	
09	MANUAL SELECT KEYBOARD	A6A/8		20	BLANK PANEL	D11/8	
10	TV MONITOR SELECT	D9/23A		23	BLANK PANEL	D11/6	
11	PAN/TILT CONTROL	C1/3B					



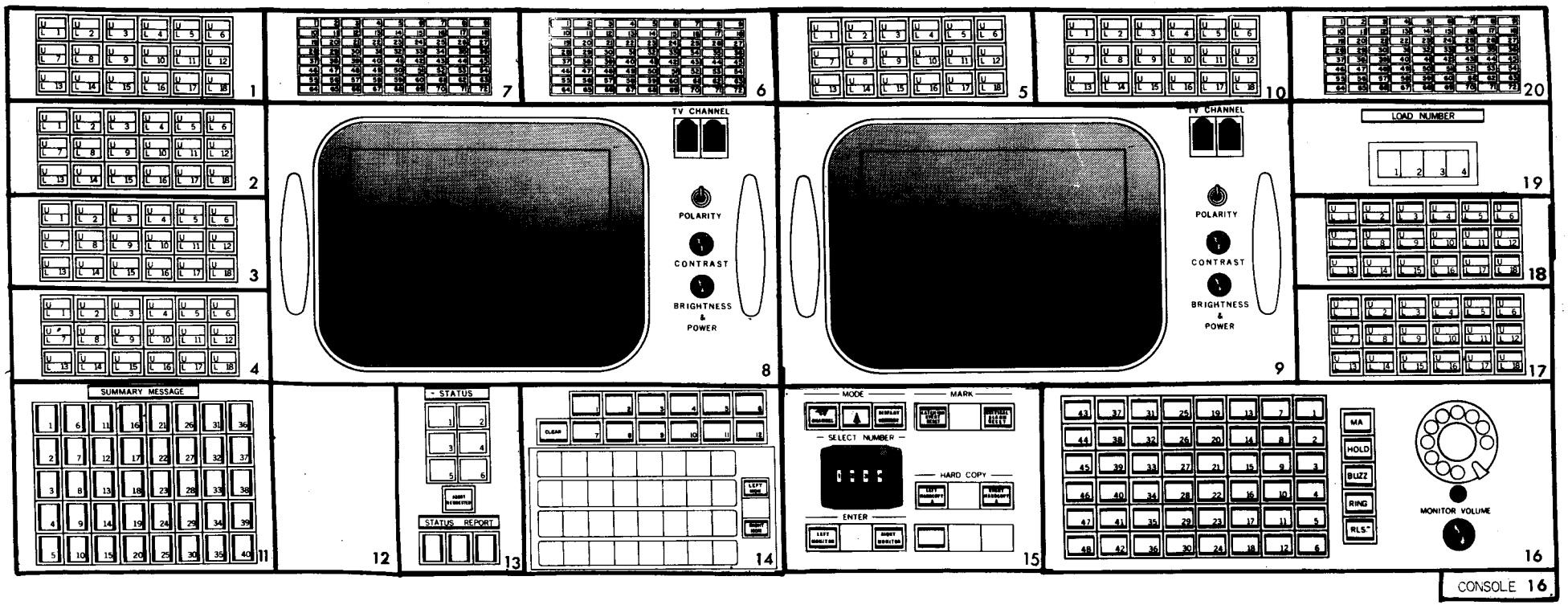
PUBLIC AFFAIRS OFFICER
CONSOLE NO. 14
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3025	V48MFD		08	BLANK PANEL	D11/16	
02	BLANK PANEL	D11/8		09	MANUAL SELECT KEYBOARD	A6A/5	
03	BLANK PANEL	D11/7		10	ABORT REQUESTED	D9/4B1	
04	VOICE COMM POSITION-3026	V48MFD		11	BLANK PANEL	D11/13	
05	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/14	
06	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/5	
07	BLANK PANEL	D11/14					



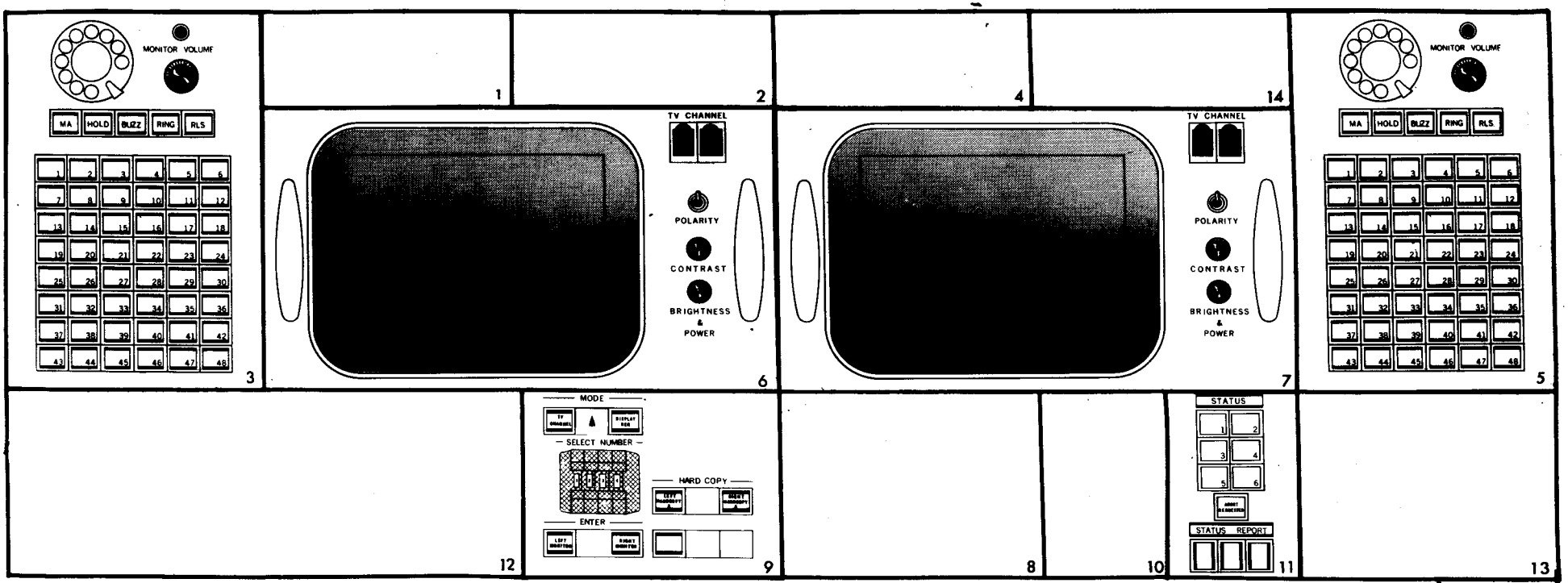
DOD MANAGER
CONSOLE NO. 15
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B		11	SUMMARY MSG ENABLE KEYBOARD	A19/B	
02	EVENT INDICATOR	D9/5B		12	BLANK PANEL	D11/13	
03	EVENT INDICATOR	D9/5B		13	STATUS/STATUS REPORT	D9/1A	
04	EVENT INDICATOR	D9/5B		14	DISPLAY REQUEST KEYBOARD	A16/A	
05	EVENT INDICATOR	D9/5B		15	MANUAL SELECT KEYBOARD	A6A/1	
06	EVENT INDICATOR (72)	D9/28		16	VOICE COMM POSITION-3027	H48MFD	
07	EVENT INDICATOR (72)	D9/28		17	SWITCH MODULE	D9/40E	
08	TV MONITOR 14" PRECISION	C2/1		18	SWITCH MODULE	D9/40E	
09	TV MONITOR 14" PRECISION	C2/1		19	LOAD NUMBER INDICATOR	D9/41B	
10	EVENT INDICATOR	D9/5B		20	EVENT INDICATOR (72)	D9/28	23



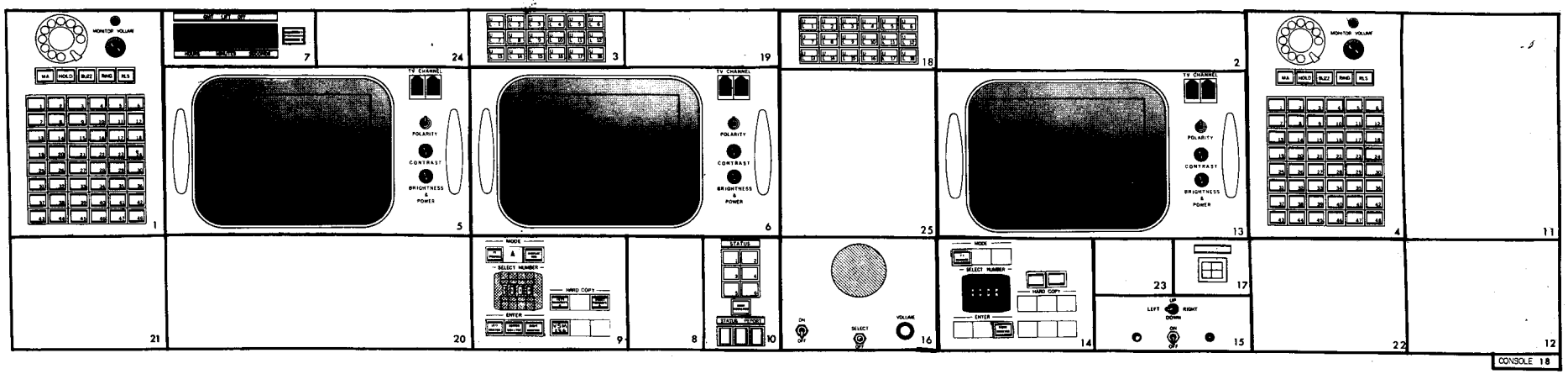
LM CONTROL ENGINEER
CONSOLE NO. 16
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		09	MANUAL SELECT KEYBOARD	A6A/1	
03	VOICE COMM POSITION-3028	V48MFD		10	BLANK PANEL	D11/13	
04	BLANK PANEL	D11/6		11	STATUS/STATUS REPORT	D9/1A	
05	VOICE COMM POSITION-3029	V48MFD		12	BLANK PANEL	D11/16	
06	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/14	
07	TV MONITOR 14" PRECISION	C2/1		14	BLANK PANEL	D11/6	



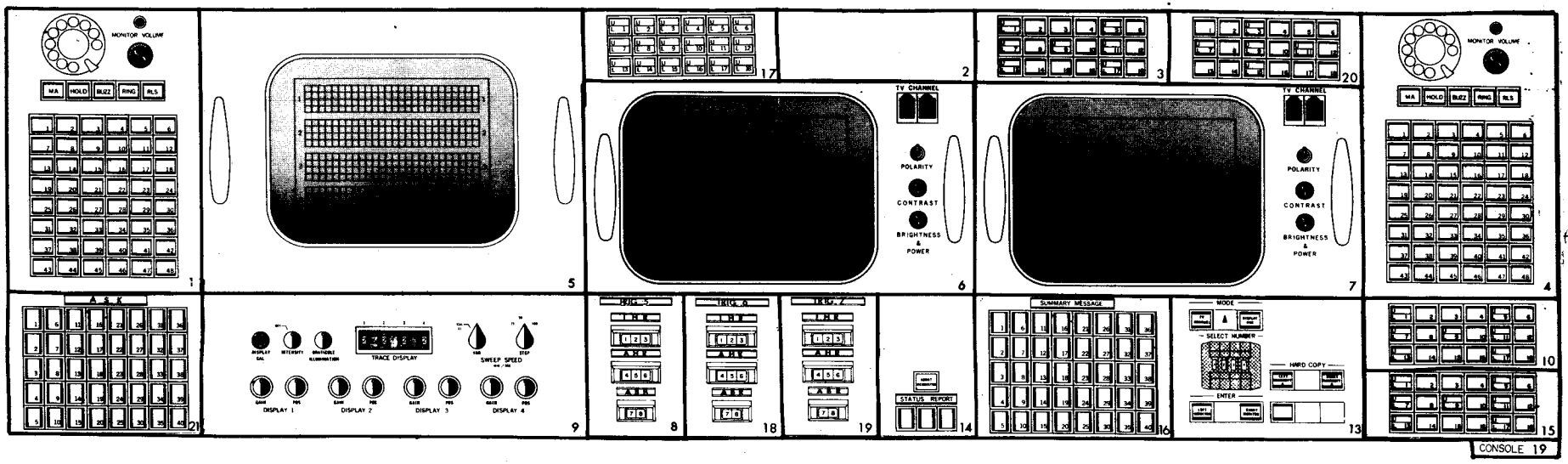
FLIGHT ACT. & EXPMT OFFICER
CONSOLE NO. 17
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3030	V48MFD		14	MANUAL SELECT KEYBOARD	A6G/3	
02	BLANK PANEL	D11/8		15	PAN/TILT CONTROL	C1/3B	
03	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
04	VOICE COMM POSITION-3031	V48MFD		17	SOURCE INDICATOR (CSL)	D9/26B	
05	TV MONITOR 14" PRECISION	C2/1		18	EVENT INDICATOR	D9/5B	
06	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/6	
07	6 DIGIT CLOCK WITH SW.	D8/2		20	BLANK PANEL	D11/16	
08	BLANK PANEL	D11/13		21	BLANK PANEL	D11/14	
09	MANUAL SELECT KEYBOARD	A6A/19		22	BLANK PANEL	D11/14	
10	STATUS/STATUS REPORT	D9/1A		23	BLANK PANEL	D11/5	
11	BLANK PANEL	D11/30		24	BLANK PANEL	D11/6	
12	BLANK PANEL	D11/14		25	BLANK PANEL	D11/22	
13	TV MONITOR 14" PRECISION	C2/1					



NETWORK CONTROLLER
CONSOLE NO. 18
ROOM NO. 330

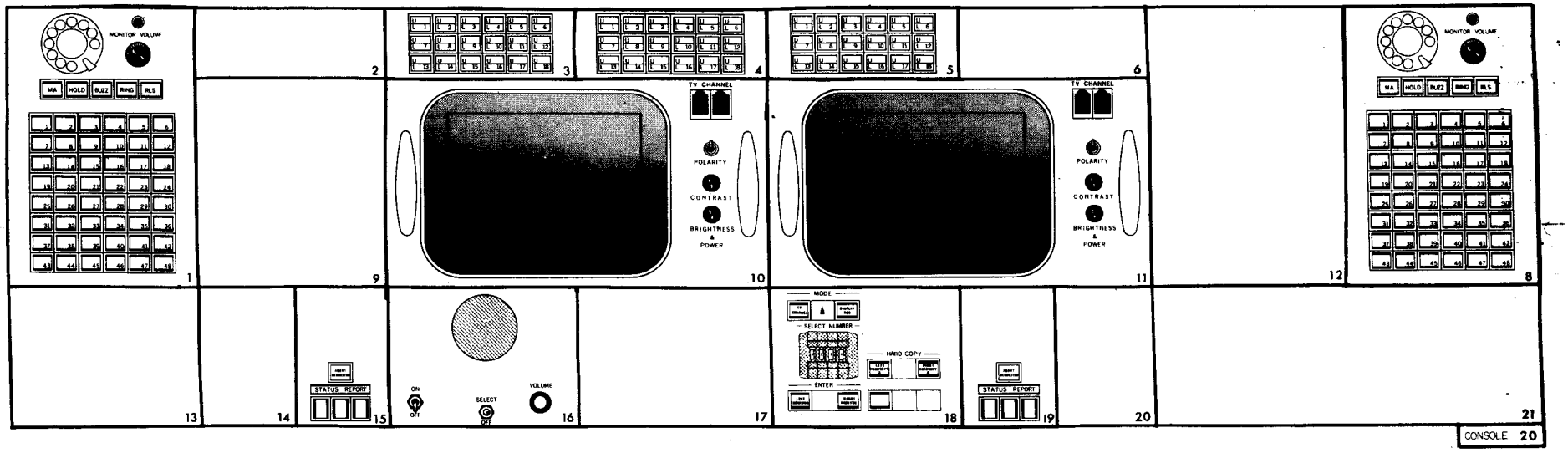
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3050	V48-FD		13	MANUAL SELECT KEYBOARD	A6A/1	
02	BLANK PANEL	D11/6		14	STATUS REPORTING	D9/1B	
03	SWITCH MODULE	D9/5G1		15	INDICATOR/SWITCH	D9/5F2	
04	VOICE COMM POSITION-3051	V48-FD		16	SUMMARY MSG ENABLE KEYBOARD	A19/C	
05	CARDIOSCOPE DISPLAY	C4/1		17	EVENT INDICATOR	D9/5B	
06	TV MONITOR 14" PRECISION	C2/1		18	DIGITAL RATE DISP (8 UNIT)	D8/6	
07	TV MONITOR 14" PRECISION	C2/1		19	DIGITAL RATE DISP (8 UNIT)	D8/6	
08	DIGITAL RATE DISP (8 UNIT)	D8/6		20	SWITCH MODULE	D9/5G2	
09	CARDIOSCOPE CONTROL	C4/2		21	ANALOG SELECT KEYBOARD	A19/D	
10	INDICATOR/SWITCH	D9/5F3					



459 312

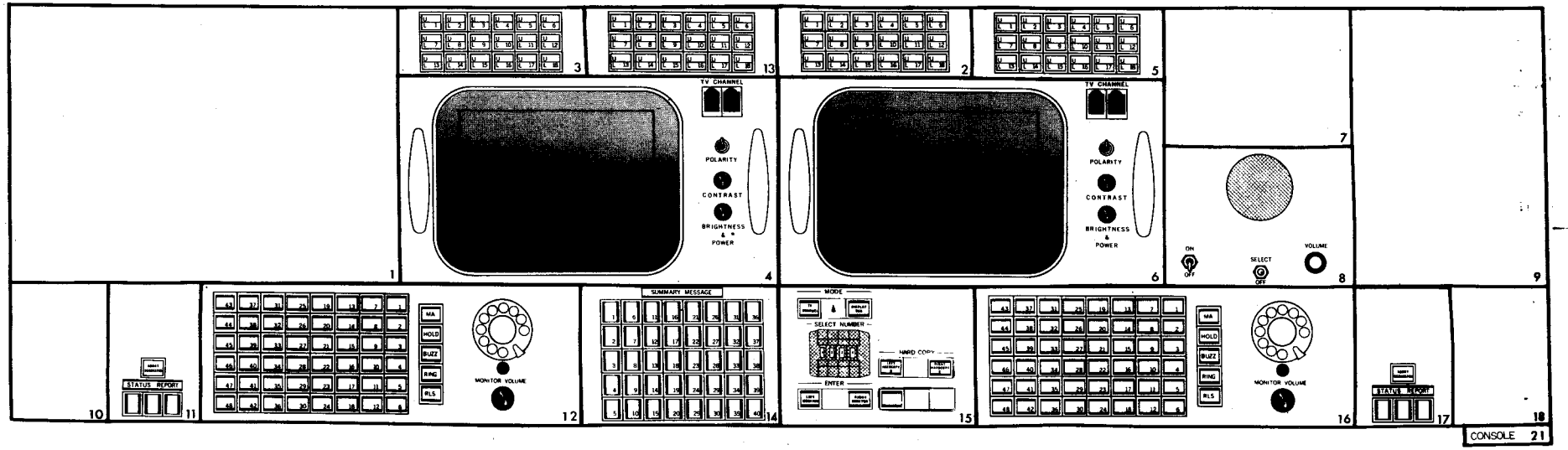
AEROMEDICAL SPECIALIST
CONSOLE NO. 19
ROOM NO. 312

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3052	V48MFD		12	BLANK PANEL	D11/30	
02	BLANK PANEL	D11/6		13	BLANK PANEL	D11/14	
03	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/13	
04	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/1B	
05	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
06	BLANK PANEL	D11/6		17	BLANK PANEL	D11/14	
08	VOICE COMM POSITION-3053	V48-FD		18	MANUAL SELECT KEYBOARD	A6A/1	
09	BLANK PANEL	D11/22		19	STATUS REPORTING	D9/1B	
10	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/13	
11	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/16	



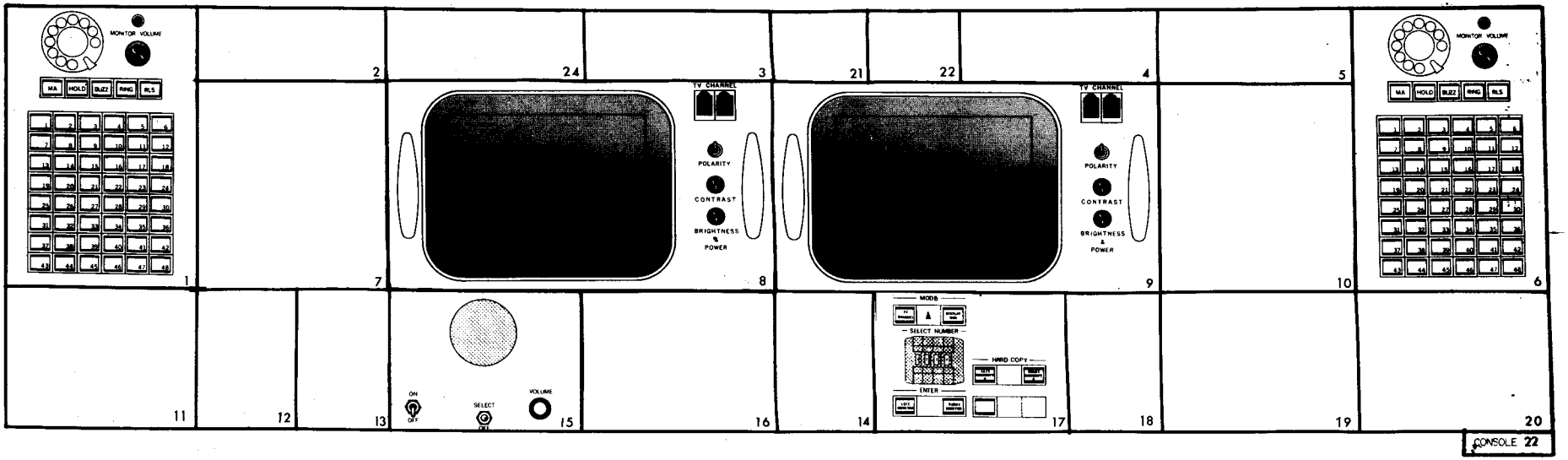
ENVIRONMENTAL SPECIALIST
CONSOLE NO. 20
ROOM NO. 312

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/32		10	BLANK PANEL	D11/13	
02	EVENT INDICATOR	D9/5B		11	STATUS REPORTING	D9/1B	
03	EVENT INDICATOR	D9/5B		12	VOICE COMM POSITION-3054	H48MFD	
04	TV MONITOR 14" PRECISION	C2/1		13	EVENT INDICATOR	D9/5B	
05	EVENT INDICATOR	D9/5B		14	SUMMARY MSG ENABLE KEYBOARD	A19/A	
06	TV MONITOR 14" PRECISION	C2/1		15	MANUAL SELECT KEYBOARD	A6A/1	
07	BLANK PANEL	D11/14		16	VOICE COMM POSITION-3055	H48MFD	
08	VOICE COMM SPEAKER	C1/1		17	STATUS REPORTING	D9/1B	
09	BLANK PANEL	D11/22		18	BLANK PANEL	D11/13	



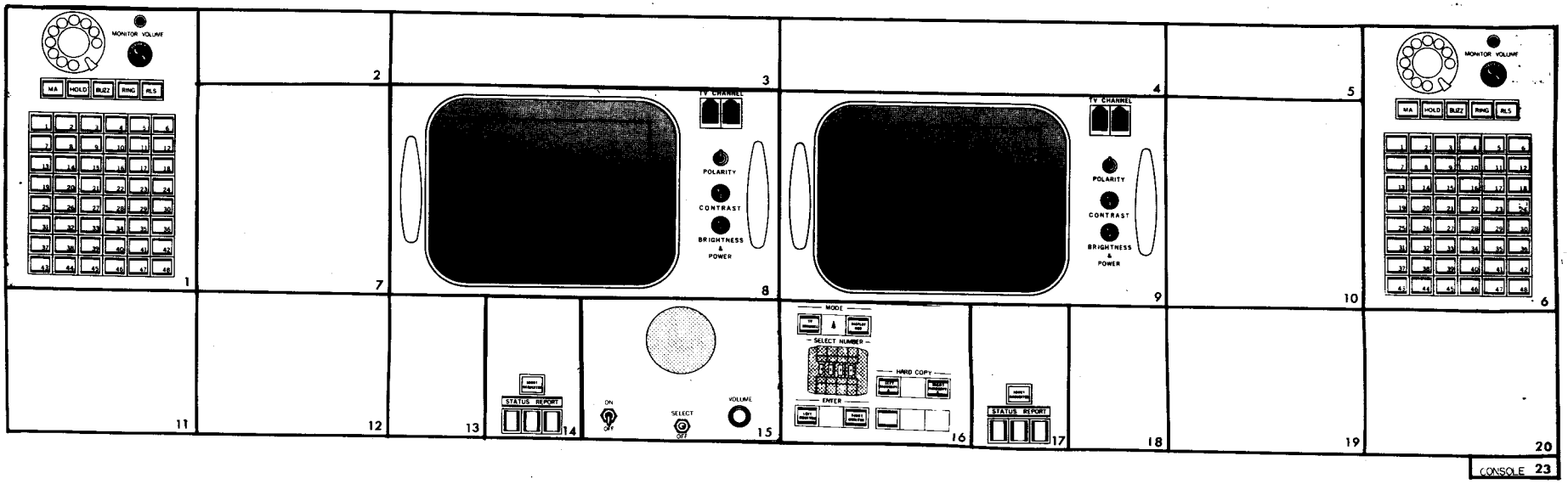
ECS SPECIALIST
CONSOLE NO. 21
ROOM NO. 312

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3060	V48MFD		13	BLANK PANEL	D11/13	
02	BLANK PANEL	D11/6		14	BLANK PANEL	D11/13	
03	BLANK PANEL	D11/6		15	VOICE COMM SPEAKER	C1/1	
04	BLANK PANEL	D11/6		16	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/6		17	MANUAL SELECT KEYBOARD	A6A/1	*
06	VOICE COMM POSITION-3061	V48MFD		18	BLANK PANEL	D11/13	
07	BLANK PANEL	D11/22		19	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/14	
09	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/5	
10	BLANK PANEL	D11/22		22	BLANK PANEL	D11/5	
11	BLANK PANEL	D11/14		24	BLANK PANEL	D11/6	
12	BLANK PANEL	D11/13					



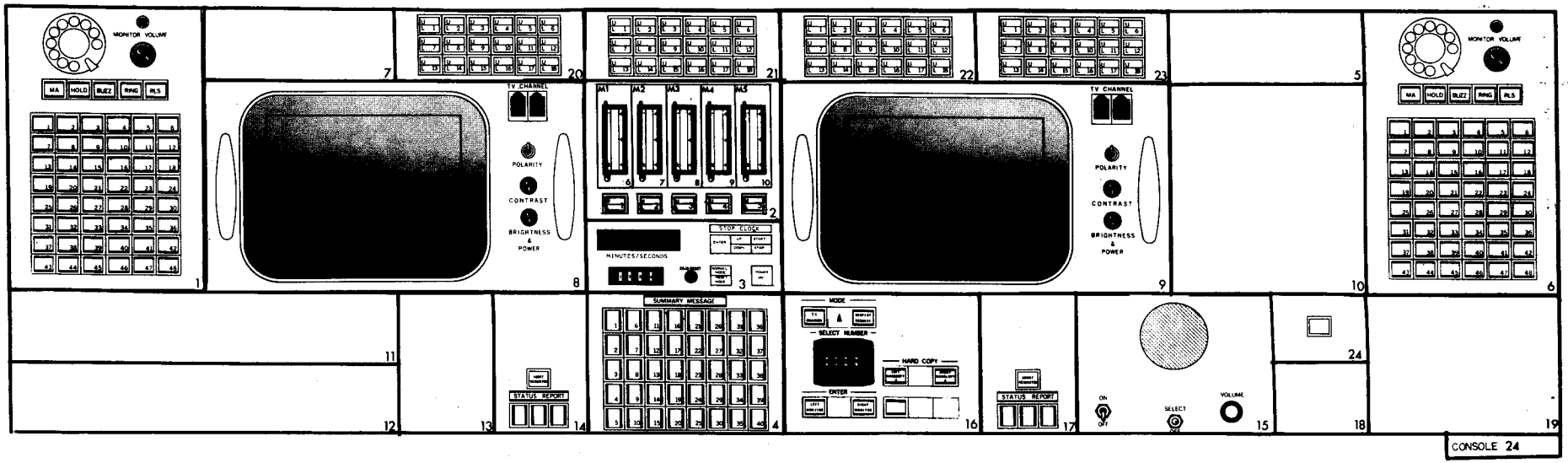
EXPERIMENT SUPPORT
CONSOLE NO. 22
ROOM NO. 313

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3062	V48-FD		11	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		12	BLANK PANEL	D11/14	
03	BLANK PANEL	D11/8		13	BLANK PANEL	D11/13	
04	BLANK PANEL	D11/8		14	STATUS REPORTING	D9/1B	
05	BLANK PANEL	D11/6		15	VOICE COMM SPEAKER	C1/1	
06	VOICE COMM POSITION-3063	V48-FD		16	MANUAL SELECT KEYBOARD	A6A/1	
07	BLANK PANEL	D11/22		17	STATUS REPORTING	D9/1B	
08	TV MONITOR 14" PRECISION	C2/1		18	BLANK PANEL	D11/13	
09	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/14	
10	BLANK PANEL	D11/22		20	BLANK PANEL	D11/14	



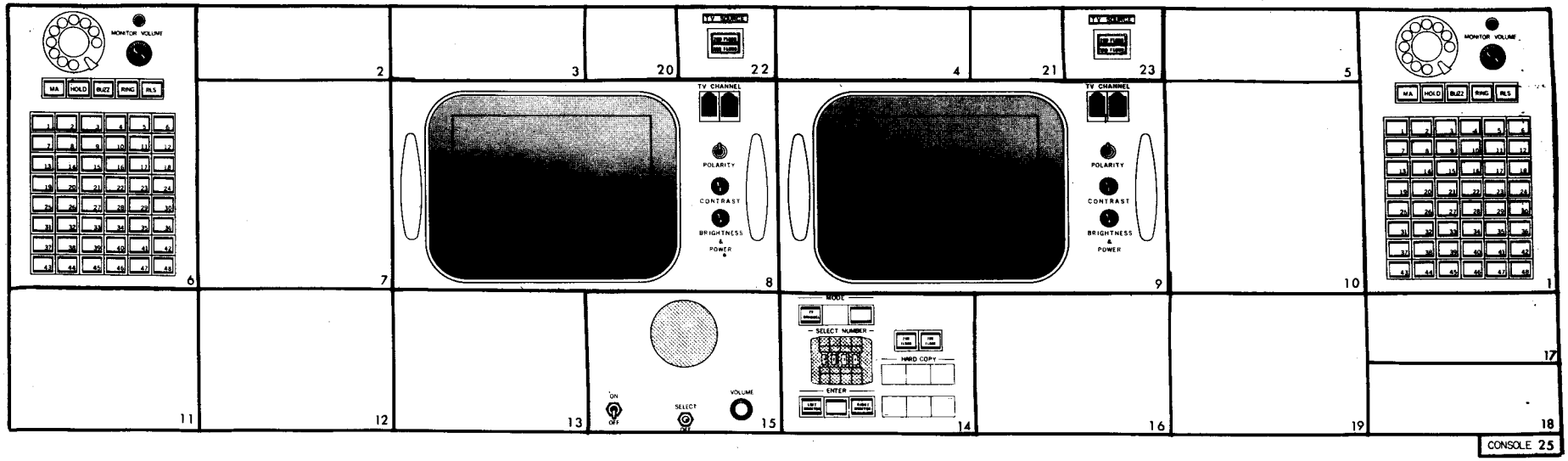
FLIGHT PLAN SUPPORT
CONSOLE NO. 23
ROOM NO. 313

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3064	V48MFD		13	BLANK PANEL	D11/13	
02	ANALOG METER (5)	D9/29C		14	STATUS REPORTING	D9/1B	
03	STOP CLOCK (4 DIGIT)	B12/3		15	VOICE COMM SPEAKER	C1/1	
04	SUMMARY MSG ENABLE KEYBOARD	A19/A		16	MANUAL SELECT KEYBOARD	A6A/1	
05	BLANK PANEL	D11/6		17	STATUS REPORTING	D9/1B	
06	VOICE COMM POSITION-3065	V48MFD		18	BLANK PANEL	D11/5	
07	BLANK PANEL	D11/6		19	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		20	EVENT INDICATOR	D9/5B	
09	TV MONITOR 14" PRECISION	C2/1		21	EVENT INDICATOR	D9/5B	
10	BLANK PANEL	D11/22		22	EVENT INDICATOR	D9/5B	
11	BLANK PANEL	D11/8		23	EVENT INDICATOR	D9/5B	
12	BLANK PANEL	D11/8		24	SINGLE PBI SWITCH	D9/4A8	



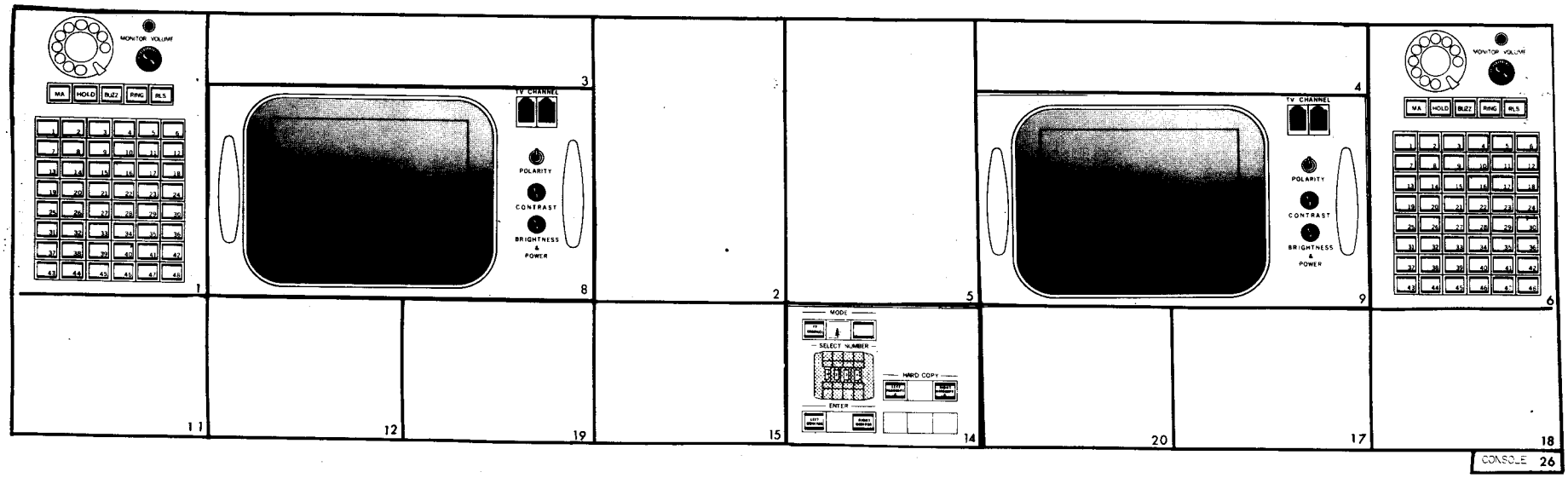
COMMUNICATIONS SUPPORT
CONSOLE NO. 24
ROOM NO. 313

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4115	V48MFD		13	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		14	MANUAL SELECT KEYBOARD	A6G/1	
03	BLANK PANEL	D11/6		15	VOICE COMM SPEAKER	C1/1	
04	BLANK PANEL	D11/6		16	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/6		17	BLANK PANEL	D11/6	
06	VOICE COMM POSITION-4116	V48MFD		18	BLANK PANEL	D11/6	
07	BLANK PANEL	D11/22		19	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/5	
09	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/5	
10	BLANK PANEL	D11/22		22	SOURCE INDICATOR (CSL)	D9/26B	
11	BLANK PANEL	D11/14		23	SOURCE INDICATOR (CSL)	D9/26B	
12	BLANK PANEL	D11/14					



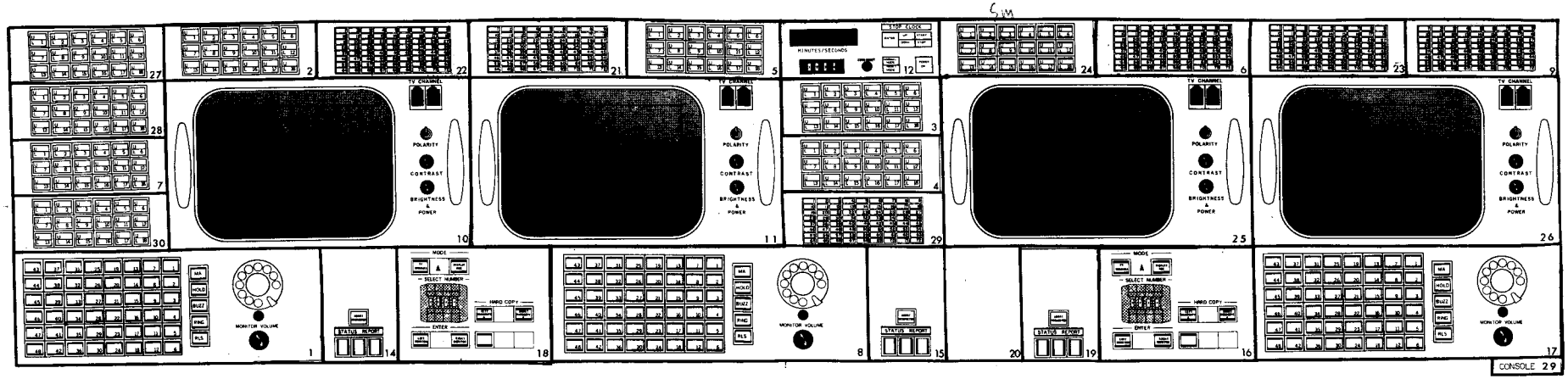
FSD REPRESENTATIVE
CONSOLE NO. 25
ROOM NO. 214B

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4117	V48MFD		11	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/30		12	BLANK PANEL	D11/14	
03	BLANK PANEL	D11/8		14	MANUAL SELECT KEYBOARD	A6A/36	
04	BLANK PANEL	D11/8		15	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/30		17	BLANK PANEL	D11/14	
06	VOICE COMM POSITION-4118	V48MFD		18	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/14	
09	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/14	



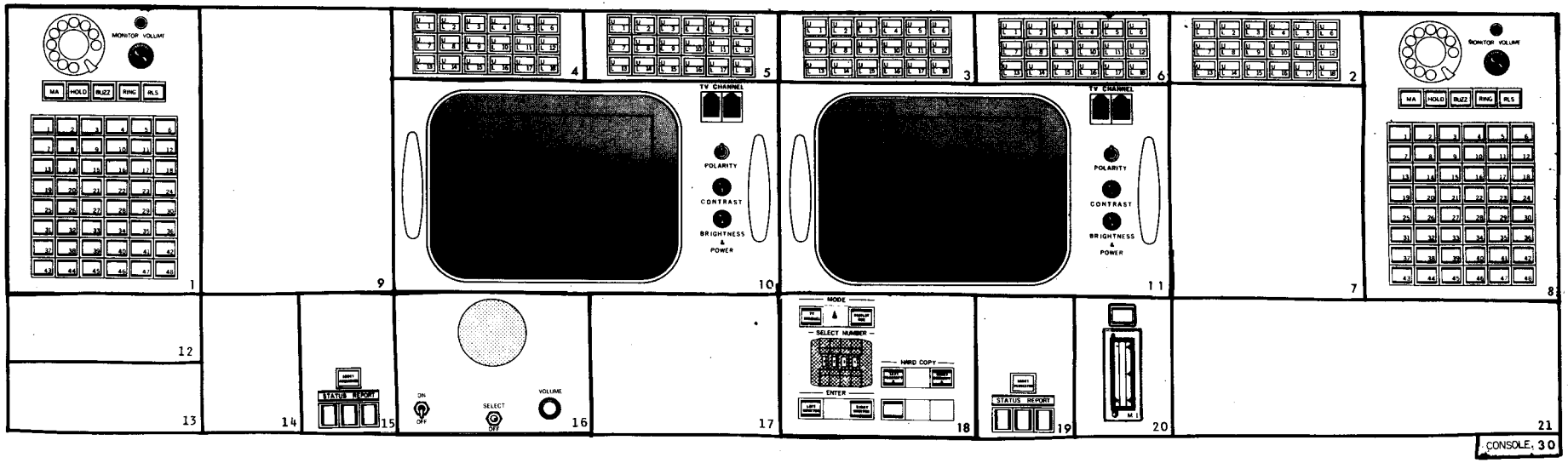
SCHEDULING
CONSOLE NO. 26
ROOM NO. 2148

LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3075	H48-FD	
02	EVENT INDICATOR	D9/5B	
03	EVENT INDICATOR	D9/5B	
04	EVENT INDICATOR	D9/5B	
05	EVENT INDICATOR	D9/5B	
06	EVENT INDICATOR (72)	D9/28	
07	EVENT INDICATOR	D9/5B	
08	VOICE COMM POSITION-3076	H48-FD	
09	EVENT INDICATOR (72)	D9/28	
10	TV MONITOR 14" PRECISION	C2/1	
11	TV MONITOR 14" PRECISION	C2/1	
12	STOP CLOCK (4 DIGIT)	B12/3	
14	STATUS REPORTING	D9/1B	
15	STATUS REPORTING	D9/1B	
16	MANUAL SELECT KEYBOARD	A6A/1	
17	VOICE COMM POSITION-3077	H48MFD	
18	MANUAL SELECT KEYBOARD	A6A/1	
19	STATUS REPORTING	D9/1B	
20	BLANK PANEL	D11/13	
21	EVENT INDICATOR (72)	D9/28	
22	EVENT INDICATOR (72)	D9/28	
23	EVENT INDICATOR (72)	D9/28	
24	SWITCH MODULE	D9/5C2	
25	TV MONITOR 14" PRECISION	C2/1	
26	TV MONITOR 14" PRECISION	C2/1	
27	EVENT INDICATOR	D9/5B	
28	EVENT INDICATOR	D9/5B	
29	EVENT INDICATOR (72)	D9/28	
30	EVENT INDICATOR	D9/5B	



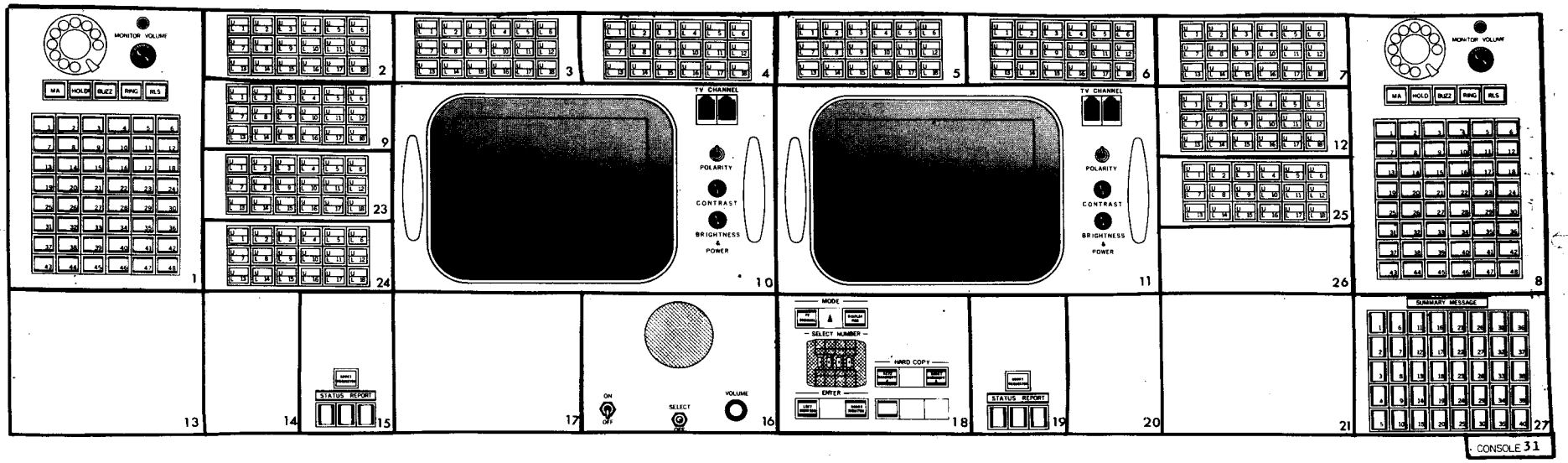
LM CONTROL SPECIALIST
CONSOLE NO. 29
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3078	V48-FD		12	BLANK PANEL	D11/6	
02	EVENT INDICATOR	D9/5B		13	BLANK PANEL	D11/6	
03	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/13	
04	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/1B	
05	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
06	EVENT INDICATOR	D9/5B		17	BLANK PANEL	D11/14	
07	BLANK PANEL	D11/22		18	MANUAL SELECT KEYBOARD	A6A/1	
08	VOICE COMM POSITION-3079	V48-FD		19	STATUS REPORTING	D9/1B	
09	BLANK PANEL	D11/30		20	ANALOG METER (1)	D9/29B	
10	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/16	
11	TV MONITOR 14" PRECISION	C2/1					



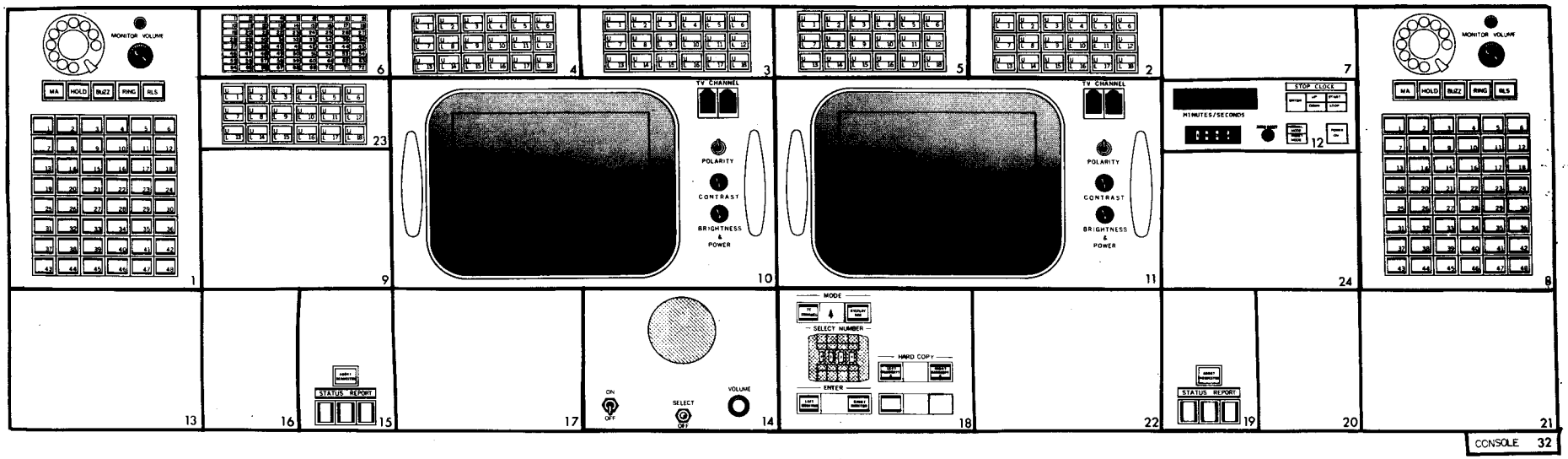
LM ELECT/INSTR SPECIALIST
CONSOLE NO. 30
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3080	V48-FD		14	BLANK PANEL	D11/13	
02	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/1B	
03	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
04	EVENT INDICATOR	D9/5B		17	BLANK PANEL	D11/14	
05	EVENT INDICATOR	D9/5B		18	MANUAL SELECT KEYBOARD	A6A/1	
06	EVENT INDICATOR	D9/5B		19	STATUS REPORTING	D9/1B	
07	EVENT INDICATOR	D9/5B		20	BLANK PANEL	D11/13	
08	VOICE COMM POSITION-3081	V48-FD		21	BLANK PANEL	D11/14	
09	EVENT INDICATOR	D9/5B		23	EVENT INDICATOR	D9/5B	
10	TV MONITOR 14" PRECISION	C2/1		24	EVENT INDICATOR	D9/5B	
11	TV MONITOR 14" PRECISION	C2/1		25	EVENT INDICATOR	D9/5B	
12	EVENT INDICATOR	D9/5B		26	BLANK PANEL	D11/6	
13	BLANK PANEL	D11/14		27	SUMMARY MSG ENABLE KEYBOARD	A19/A	



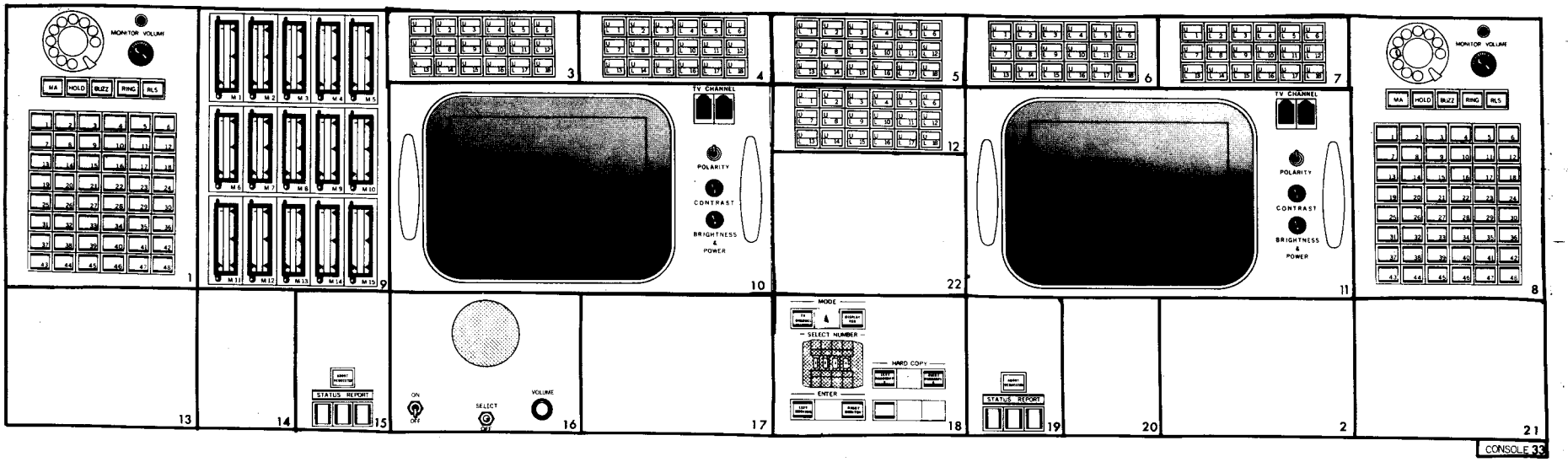
CSM EECOM SUPPORT SPEC.
CONSOLE NO. 31
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3082	V48-FD		13	BLANK PANEL	D11/14	
02	EVENT INDICATOR	D9/5B		14	VOICE COMM SPEAKER	C1/1	
03	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/18	
04	EVENT INDICATOR	D9/5B		16	BLANK PANEL	D11/13	
05	EVENT INDICATOR	D9/5B		17	BLANK PANEL	D11/14	
06	EVENT INDICATOR (72)	D9/28		18	MANUAL SELECT KEYBOARD	A6A/1	
07	BLANK PANEL	D11/6		19	STATUS REPORTING	D9/18	
08	VOICE COMM POSITION-3083	V48-FD		20	BLANK PANEL	D11/13	
09	BLANK PANEL	D11/14		21	BLANK PANEL	D11/14	
10	TV MONITOR 14" PRECISION	C2/1		22	BLANK PANEL	D11/14	
11	TV MONITOR 14" PRECISION	C2/1		23	EVENT INDICATOR	D9/5B	
12	STOP CLOCK (4 DIGIT)	B12/3		24	BLANK PANEL	D11/14	



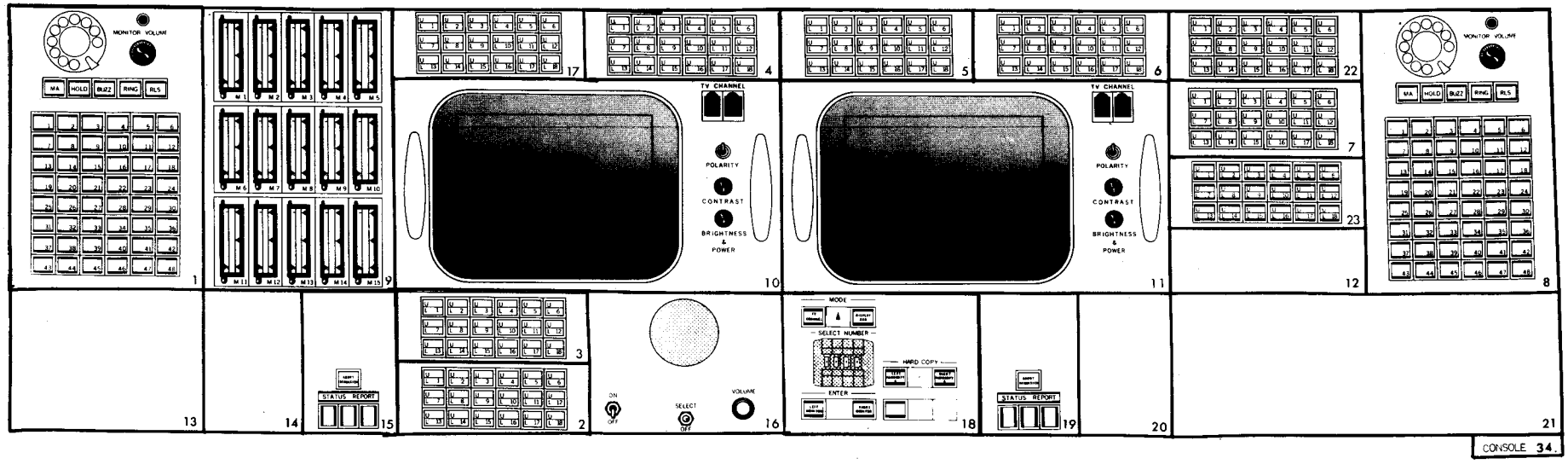
CSM GNC SUPPORT SPEC.
CONSOLE NO. 32
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3084	V48-FD		12	EVENT INDICATOR	D9/5B	
02	BLANK PANEL	D11/14		13	BLANK PANEL	D11/14	
03	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/13	
04	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/1B	
05	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
06	EVENT INDICATOR	D9/5B		17	BLANK PANEL	D11/14	
07	EVENT INDICATOR	D9/5B		18	MANUAL SELECT KEYBOARD	A6A/1	
08	VOICE COMM POSITION-3085	V48-FD		19	STATUS REPORTING	D9/1B	
09	ANALOG METERS (15)	D9/27		20	BLANK PANEL	D11/13	
10	TV MONITOR 14" PRECISION	C2/1		21	BLANK PANEL	D11/14	
11	TV MONITOR 14" PRECISION	C2/1		22	BLANK PANEL	D11/14	



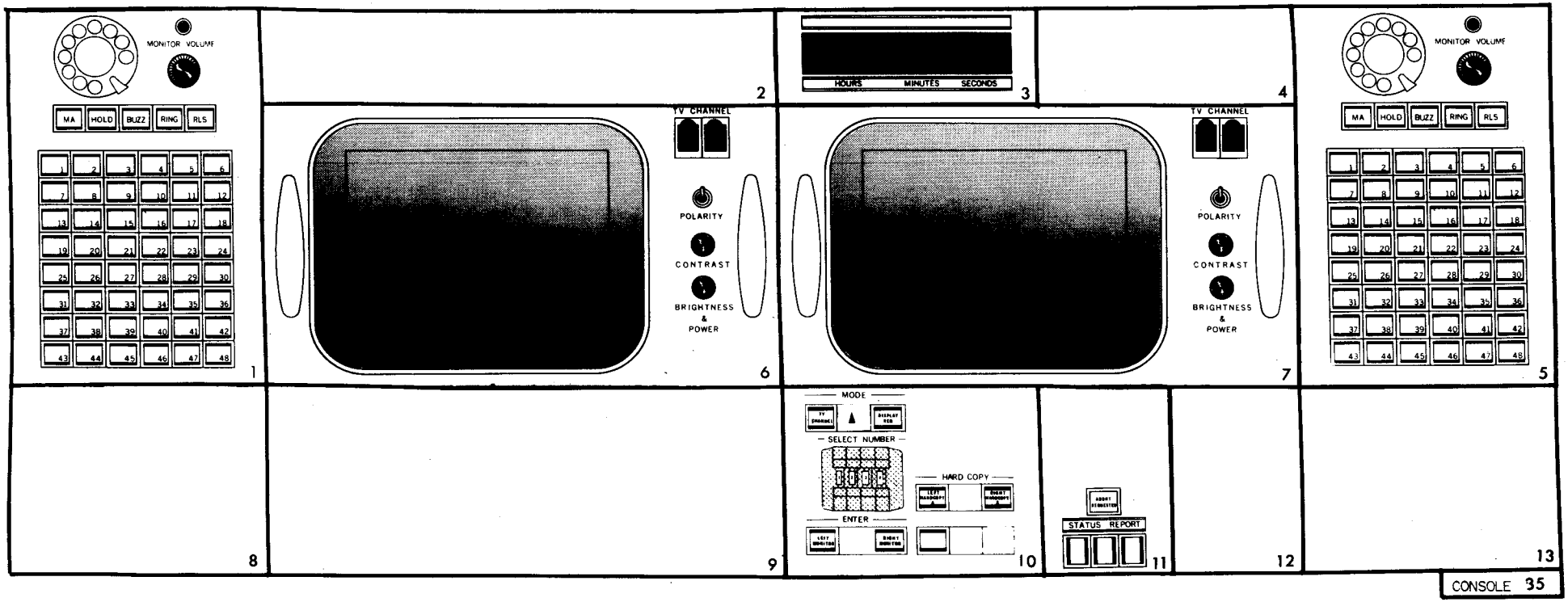
BOOSTER SUPPORT SPECIALIST
CONSOLE NO. 33
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3086	V48-FD		13	BLANK PANEL	D11/14	
02	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/13	
03	EVENT INDICATOR	D9/5B		15	STATUS REPORTING	D9/1B	
04	EVENT INDICATOR	D9/5B		16	VOICE COMM SPEAKER	C1/1	
05	EVENT INDICATOR	D9/5B		17	EVENT INDICATOR	D9/5B	23
06	EVENT INDICATOR	D9/5B		18	MANUAL SELECT KEYBOARD	A6A/1	
07	EVENT INDICATOR	D9/5B	23	19	STATUS REPORTING	D9/1B	
08	VOICE COMM POSITION-3087	V48-FD		20	BLANK PANEL	D11/13	
09	ANALOG METERS (15)	D9/27		21	BLANK PANEL	D11/16	
10	TV MONITOR 14" PRECISION	C2/1		22	EVENT INDICATOR	D9/5B	23
11	TV MONITOR 14" PRECISION	C2/1		23	SWITCH MODULE	D9/5C1	23
12	BLANK PANEL	D11/6					



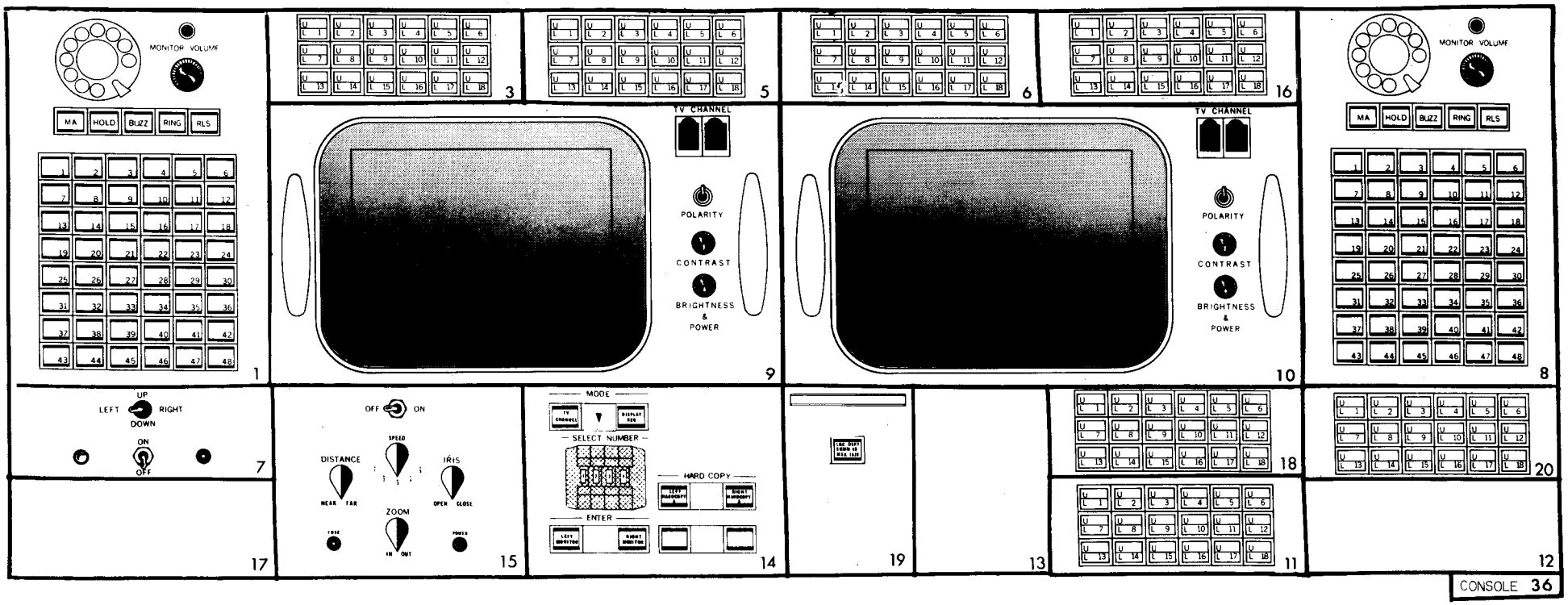
BSTR/ORB SCIENCE SUPPT
CONSOLE NO. 34
ROOM NO. 311

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3100	V48-FD		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/8		09	BLANK PANEL	D11/16	
03	7 DIGIT CLOCK	D8/3		10	MANUAL SELECT KEYBOARD	A6A/1	
04	BLANK PANEL	D11/6		11	STATUS REPORTING	D9/1B	
05	VOICE COMM POSITION-3101	V48-FD		12	BLANK PANEL	D11/13	
06	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/14	
07	TV MONITOR 14" PRECISION	C2/1					



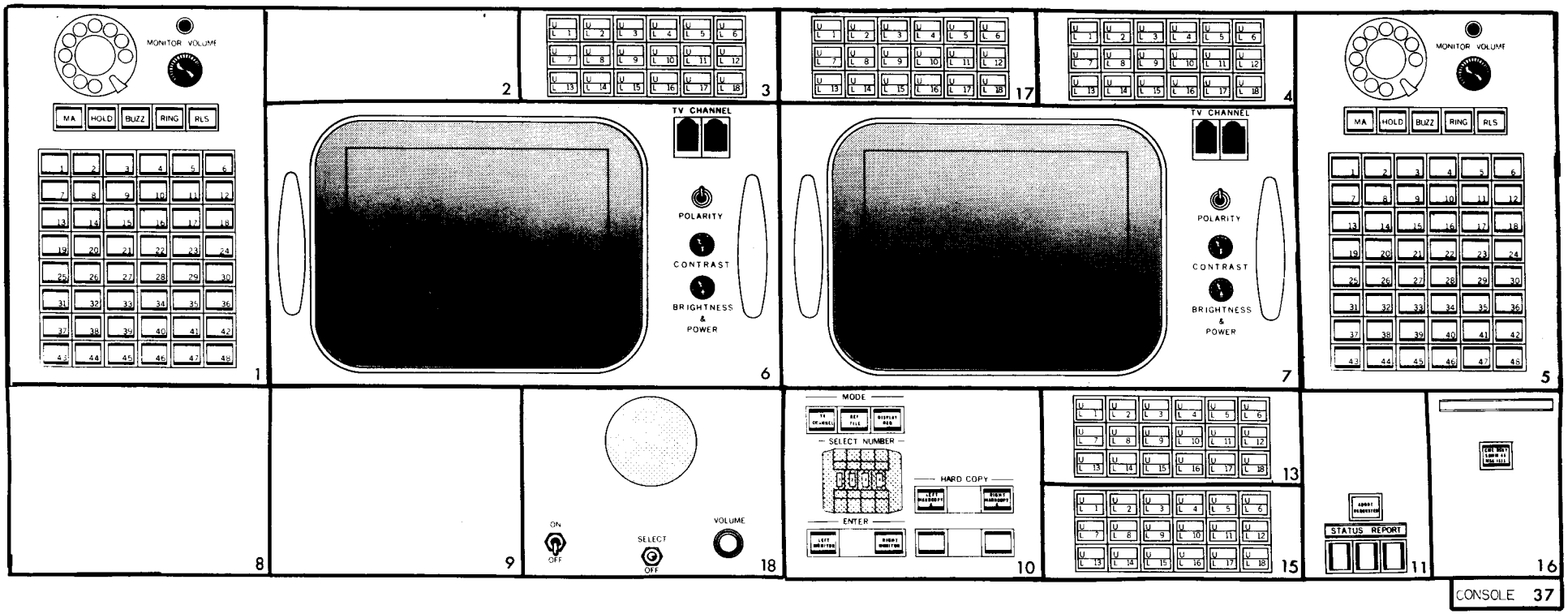
RETRO/FDO SUPPORT
CONSOLE NO. 35
ROOM NO. 310

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3102	V48-FD		12	BLANK PANEL	D11/6	
03	EVENT INDICATOR	D9/5B		13	BLANK PANEL	D11/13	
05	EVENT INDICATOR	D9/5B		14	MANUAL SELECT KEYBOARD	A6A/1	
06	EVENT INDICATOR	D9/5B		15	ZOOM CONTROL	C1/3A	
07	PAN/TILT CONTROL	C1/3B		16	EVENT INDICATOR	D9/5B	
08	VOICE COMM POSITION-3103	V48MHD		17	BLANK PANEL	D11/6	
09	TV MONITOR 14" PRECISION	C2/1		18	EVENT INDICATOR	D9/5B	
10	TV MONITOR 14" PRECISION	C2/1		19	SINGLE PBI SWITCH	D9/4A3	23
11	EVENT INDICATOR	D9/5B		20	EVENT INDICATOR	D9/5B	23



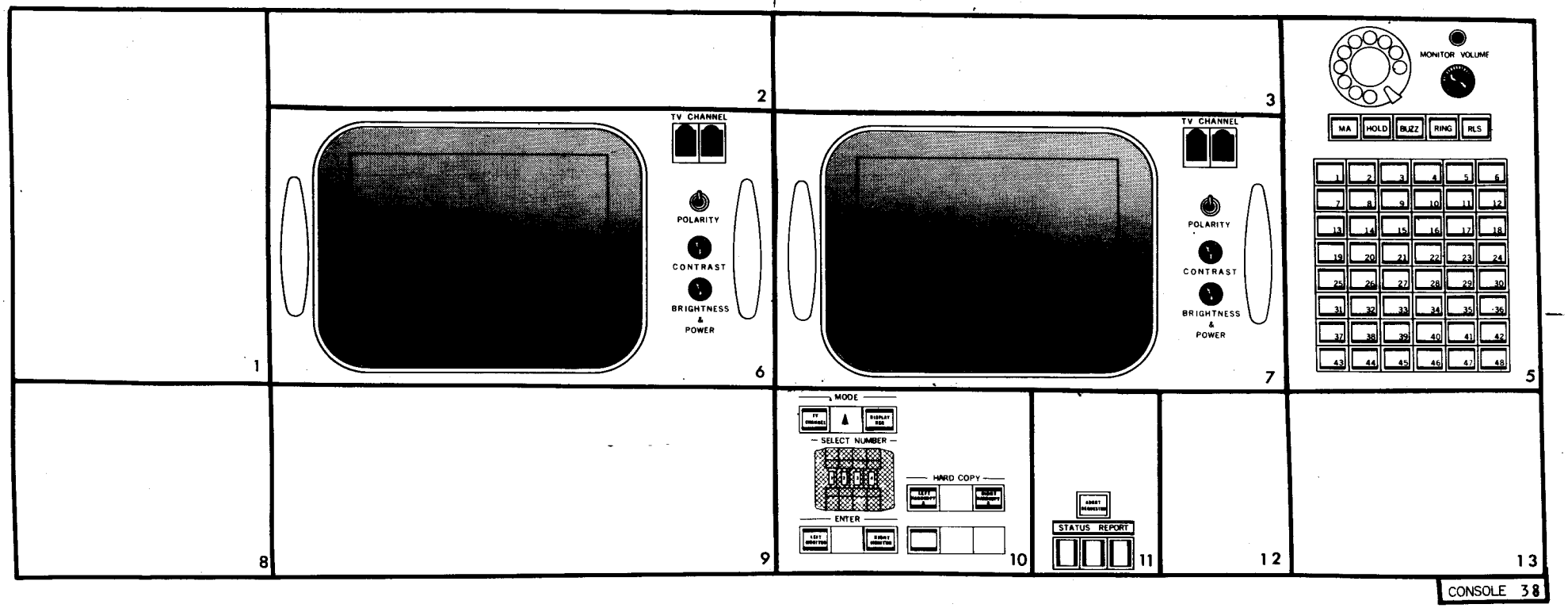
AGS/LGC SUPPORT
CONSOLE NO. 36
ROOM NO. 310

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3104	V48MHD		09	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		10	MANUAL SELECT KEYBOARD	A6A/1	
03	EVENT INDICATOR	D9/5B	23	11	STATUS REPORTING	D9/1B	
04	EVENT INDICATOR	D9/5B		13	EVENT INDICATOR	D9/5B	
05	VOICE COMM POSITION-3105	V48MHD		15	EVENT INDICATOR	D9/5B	
06	TV MONITOR 14" PRECISION	C2/1		16	SINGLE PBI SWITCH	D9/4A3	23
07	TV MONITOR 14" PRECISION	C2/1		17	EVENT INDICATOR	D9/5B	
08	BLANK PANEL	D11/14		18	VOICE COMM SPEAKER	C1/1	



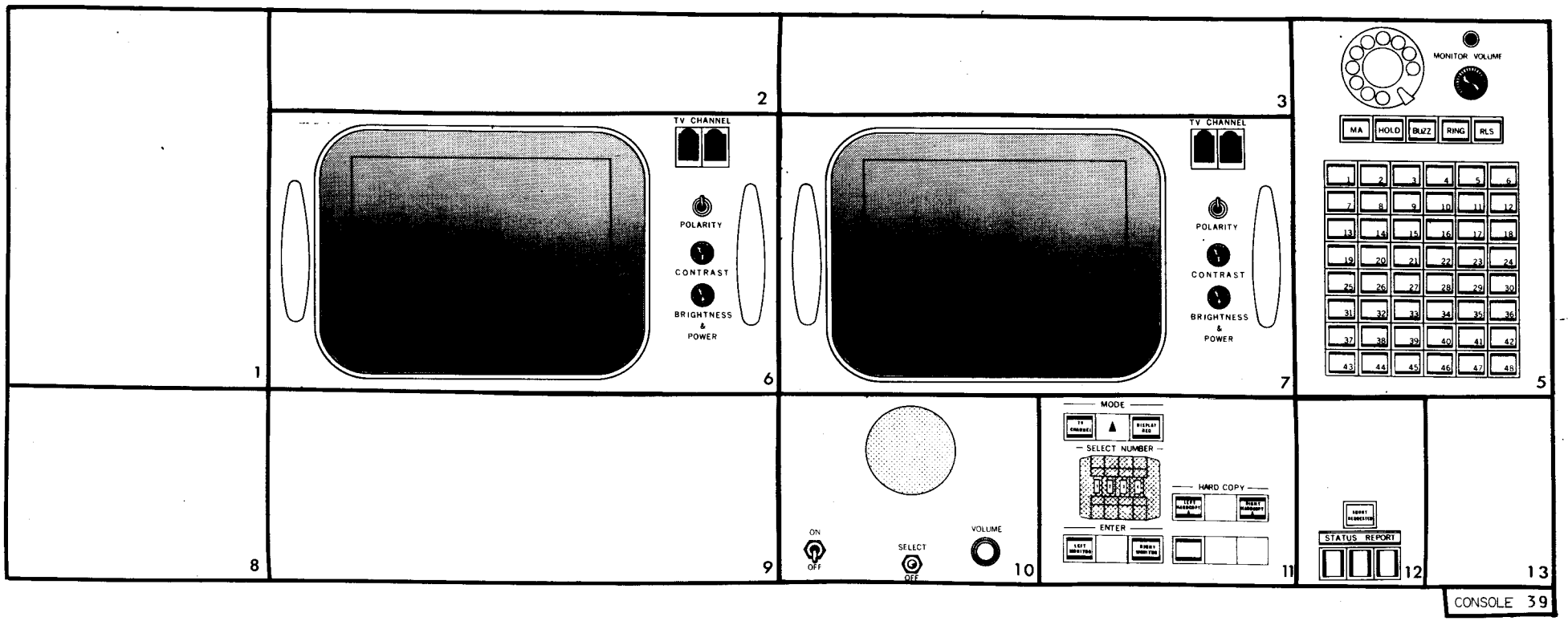
AGC/CMC SUPPORT
CONSOLE NO. 37
ROOM NO. 310

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/8		09	BLANK PANEL	D11/16	
03	BLANK PANEL	D11/8		10	MANUAL SELECT KEYBOARD	A6A/1	
05	VOICE COMM POSITION-3106	V48-FD		11	STATUS REPORTING	D9/18	
06	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/13	
07	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/14	



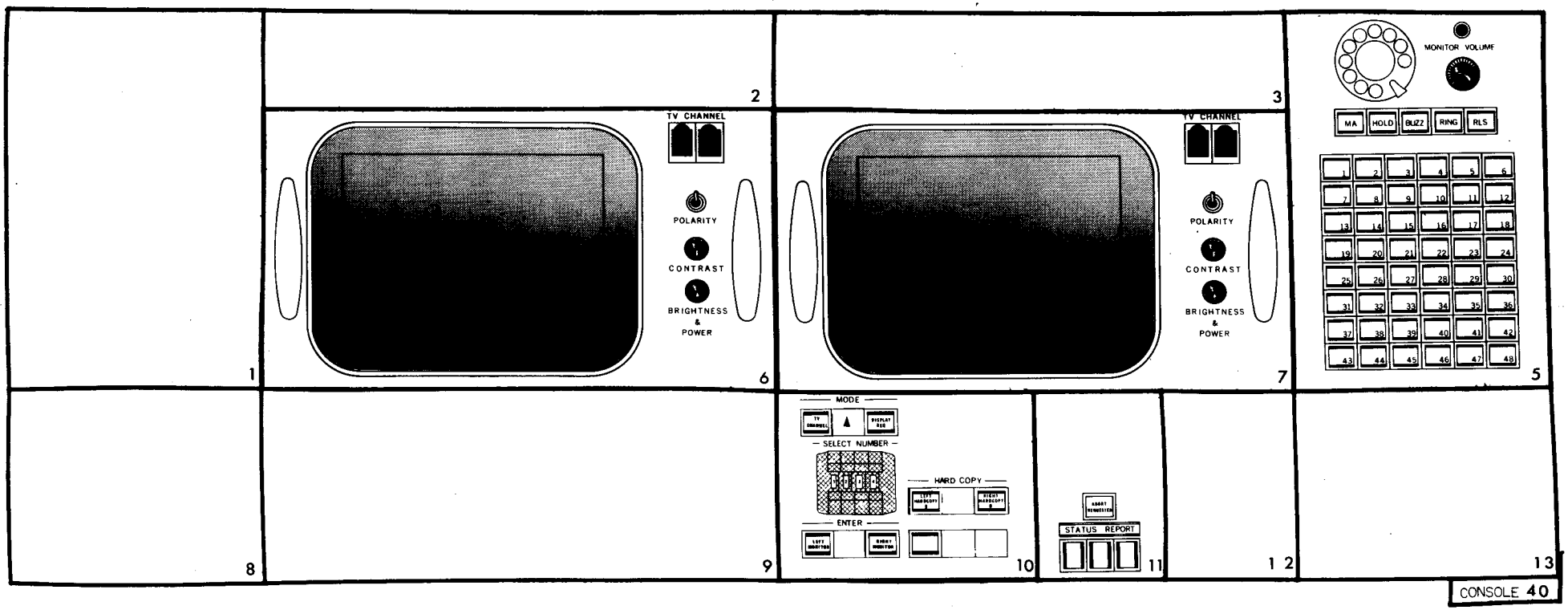
ABORT/ASST TRAJECTORY CHIEF
CONSOLE NO. 38
ROOM NO. 310

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/8		09	BLANK PANEL	D11/16	
03	BLANK PANEL	D11/8		10	VOICE COMM SPEAKER	C1/1	
05	VOICE COMM POSITION-3107	V48-FD		11	MANUAL SELECT KEYBOARD	A6A/1	
06	TV MONITOR 14" PRECISION	C2/1		12	STATUS REPORTING	D9/1B	
07	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/13	



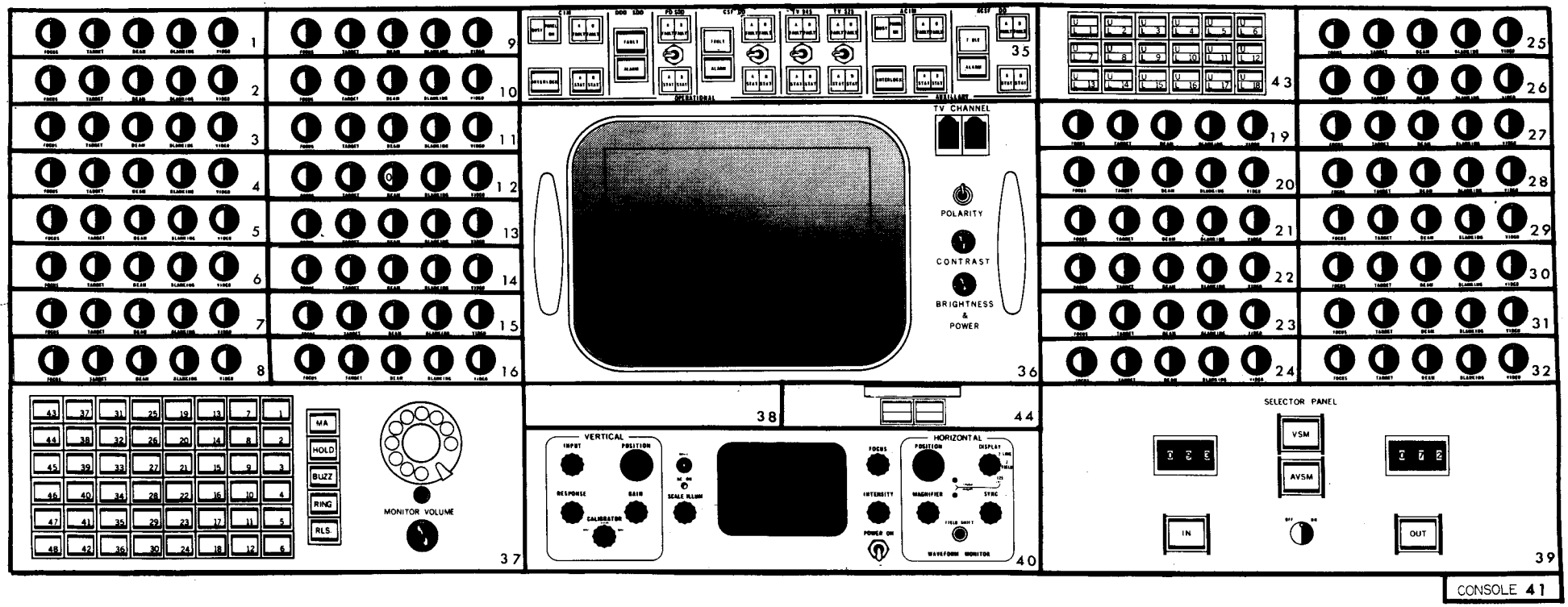
TRAJECTORY SUPPORT CHIEF
CONSOLE NO. 39
ROOM NO. 310

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		08	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/8		09	BLANK PANEL	D11/16	
03	BLANK PANEL	D11/8		10	MANUAL SELECT KEYBOARD	A6A/1	
05	VOICE COMM POSITION-3108	V48-FD		11	STATUS REPORTING	D9/1B	
06	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/13	
07	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/14	



MANUEVER SPECIALIST
CONSOLE NO. 40
ROOM NO. 310

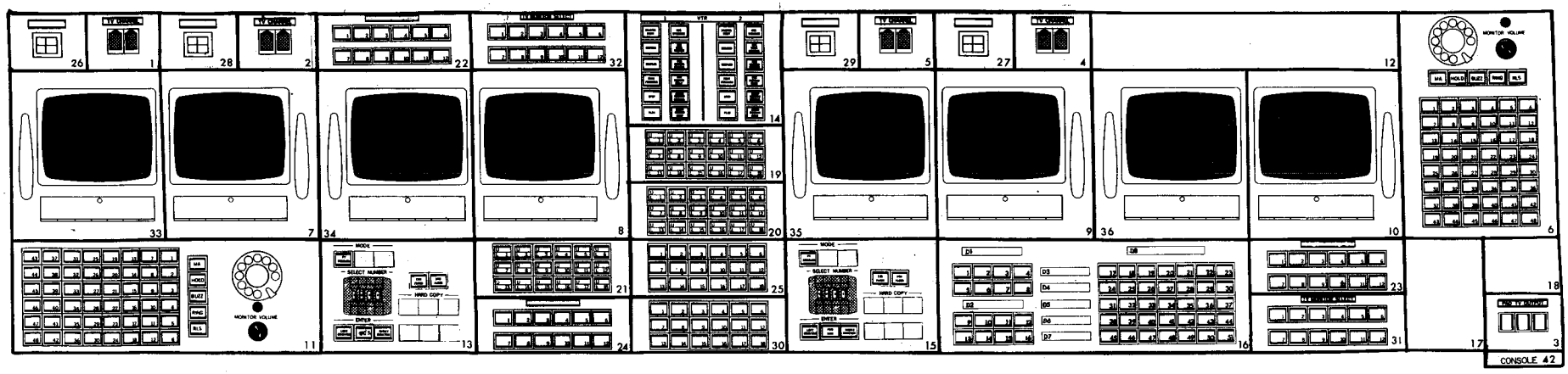
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01-32	CCU REMOTE CONTROL	C1/3C		39	VIDEO ENGINEER SELECT	C6E/1	
35	CRITICAL COMPONENT	D9/22		40	WAVEFORM MONITOR	C18/1	
36	TV MONITOR 14" PRECISION	C2/1		43	INDICATOR/SWITCH	D9/5G4	
37	VOICE COMM POSITION-3160	H48---		44	TWO PBI SWITCH	D9/4E2	
38	BLANK PANEL	D11/2					



VIDEO ENGINEER
CONSOLE NO. 41
ROOM NO. 315

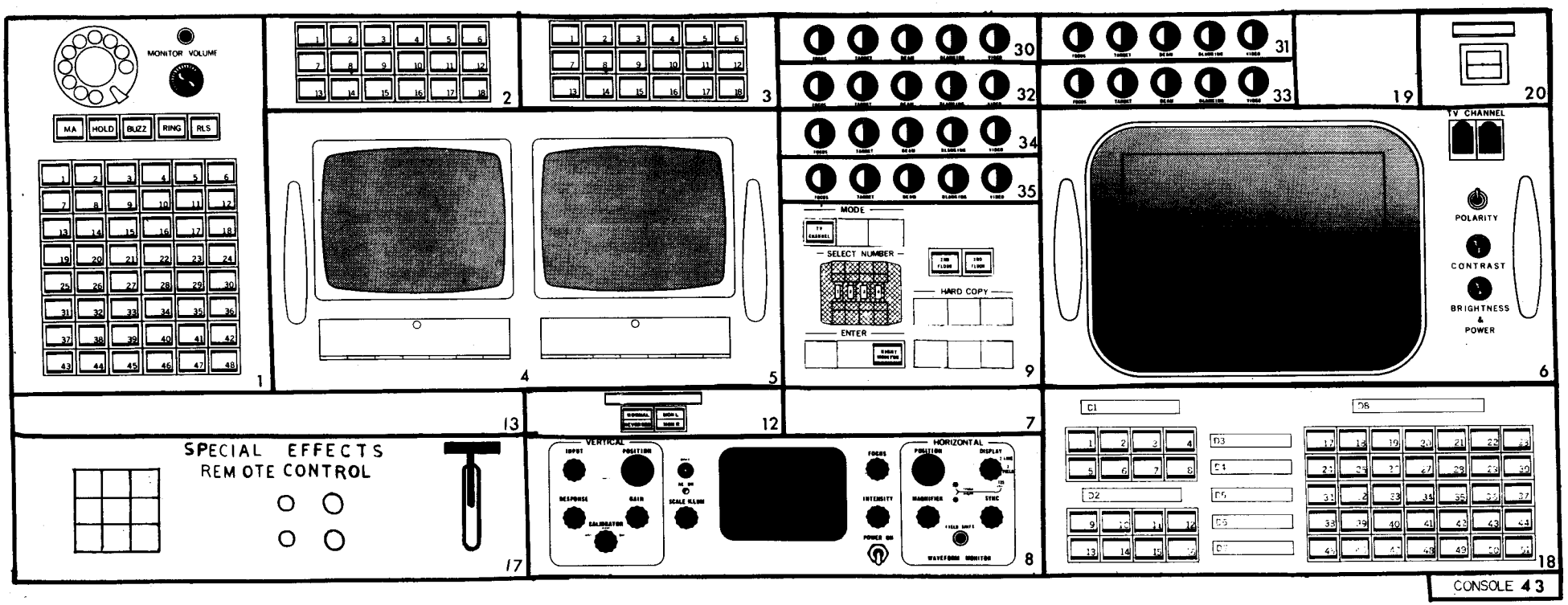
LOC	DESCRIPTION	TYPE	NOTE
01	TV CHANNEL ID	D8/4B	
02	TV CHANNEL ID	D8/4B	
04	TV CHANNEL ID	D8/4B	
05	TV CHANNEL ID	D8/4B	
06	VOICE COMM POSITION-4215	V48-FD	
07&33	TV MONITOR 8" DUAL		
08&34	TV MONITOR 8" DUAL		
09&35	TV MONITOR 8" DUAL		
10&36	TV MONITOR 8" DUAL		
11	VOICE COMM POSITION-4216	H48MFD	
12	BLANK PANEL	D11/8	
13	MANUAL SELECT KEYBOARD	A6G/1	
14	VIDEO TAPE RECORDER CONTROL	D9/19	
15	MANUAL SELECT KEYBOARD	A6G/2	
16	TV EDIT SWITCHER	D9/24	
17	BLANK PANEL	D11/13	

LOC	DESCRIPTION	TYPE	NOTE
18	SINGLE PBI SWITCH	D9/4A1	
19	SWITCH MODULE	D9/50	
20	SWITCH MODULE	D9/50	
21	SWITCH MODULE	D9/50	
22	SWITCH MODULE	D9/23D	
23	SWITCH MODULE	D9/23D	
24	TV MONITOR SELECT	D9/23A	
25	SWITCH MODULE	D9/5A1	
26	SOURCE INDICATOR (CSL)	D9/26B	
27	SOURCE INDICATOR (CSL)	D9/26B	
28	SOURCE INDICATOR (CSL)	D9/26B	
29	SOURCE INDICATOR (CSL)	D9/26B	
30	SWITCH MODULE	D9/5A1	
31	TV MONITOR SELECT	D9/23A	
32	TV MONITOR SELECT	D9/23A	



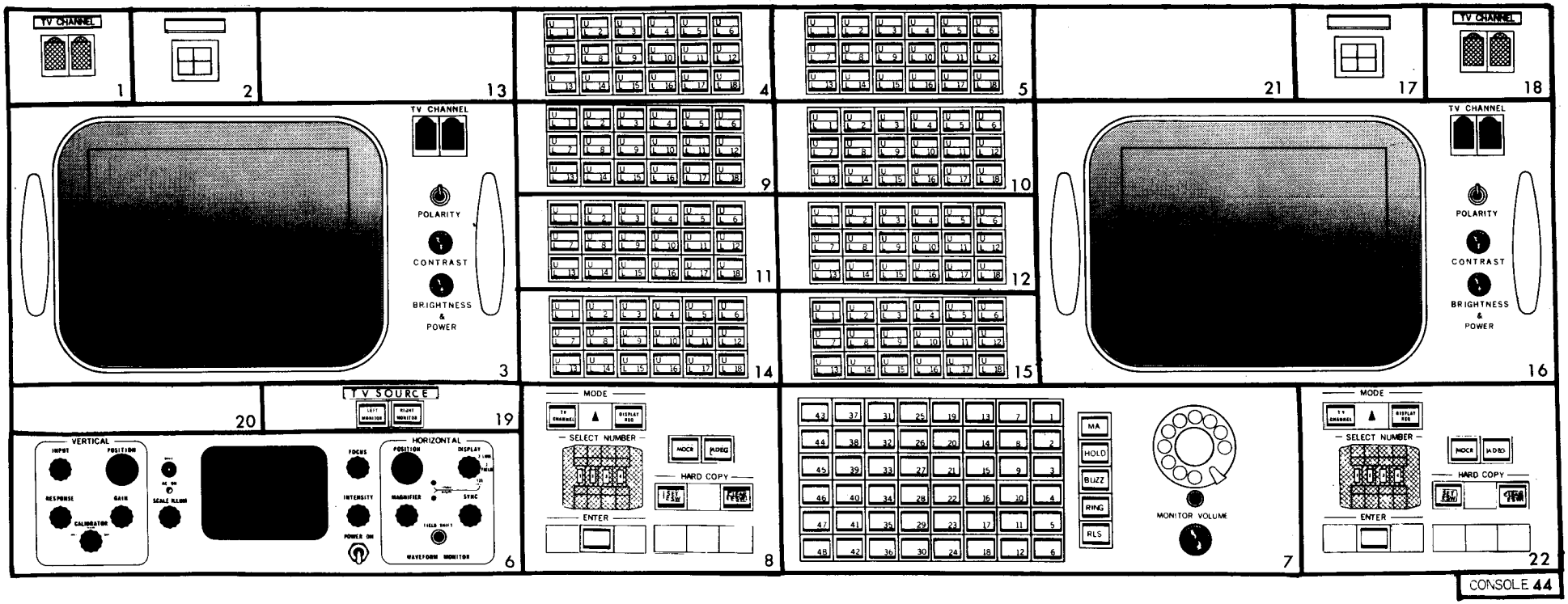
PAO & FOD TV EDITORS
CONSOLE NO. 42
ROOM NO. 319

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4217	V48-FD		12	TWO PBI SWITCH	D9/4E1	
02	SWITCH MODULE	D9/50		13	BLANK PANEL	D11/4	
03	SWITCH MODULE	D9/50		17	SPECIAL EFFECTS REMOTE CTRL		
04&5	TV MONITOR 8" DUAL			18	TV EDIT SWITCHER	D9/24	
06	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/5	
07	BLANK PANEL	D11/2		20	SOURCE INDICATOR (CSL)	D9/26B	
08	WAVEFORM MONITOR	C18/1		30-35	CCU REMOTE CONTROL	C1/3C	
09	MANUAL SELECT KEYBOARD	A6G/3					



VIDEO INTERFACE ENGINEER
CONSOLE NO. 43
ROOM NO. 319

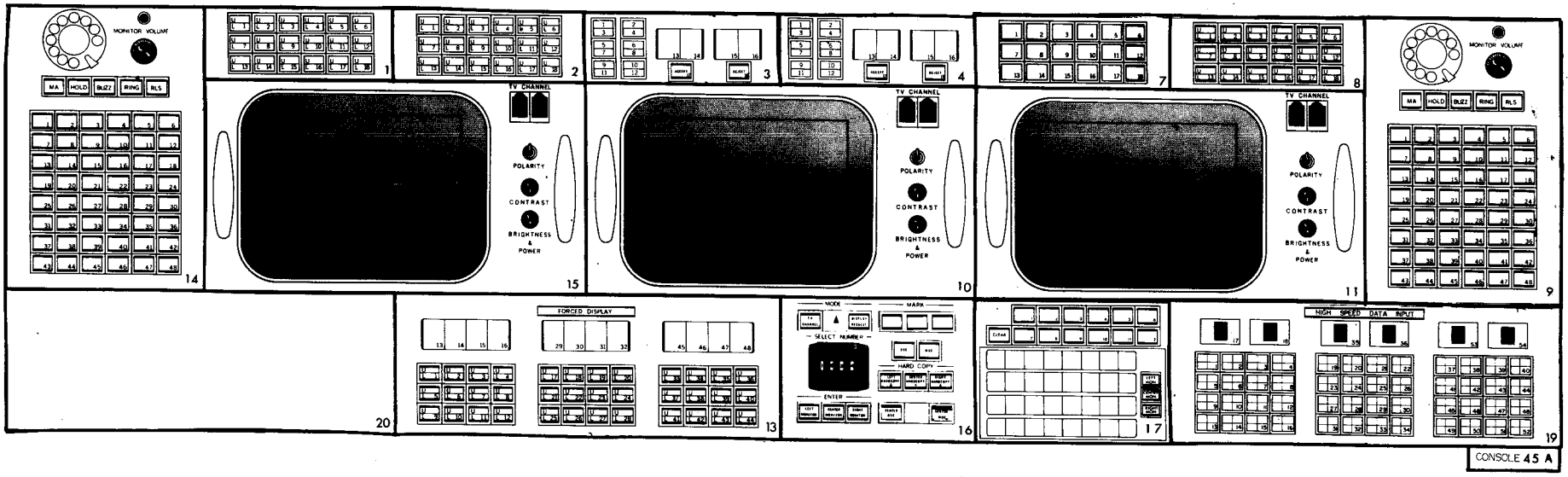
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	TV CHANNEL ID	D8/4B		12	SWITCH MODULE	D9/5C3	
02	SOURCE INDICATOR (CSL)	D9/26B		13	BLANK PANEL	D11/6	
03	TV MONITOR 14" PRECISION	C2/1		14	SWITCH MODULE	D9/5C3	
04	SWITCH MODULE	D9/5C3		15	SWITCH MODULE	D9/5C3	
05	SWITCH MODULE	D9/5C3		16	TV MONITOR 14" PRECISION	C2/1	
06	WAVEFORM MONITOR	C18/1		17	SOURCE INDICATOR (CSL)	D9/26B	
07	VOICE COMM POSITION-4218	H48---		18	TV CHANNEL ID	D8/4B	
08	MANUAL SELECT KEYBOARD	A6G/7		19	TWO PBI SWITCH	D9/4E2	
09	SWITCH MODULE	D9/5C3		20	BLANK PANEL	D11/2	
10	SWITCH MODULE	D9/5C3		21	BLANK PANEL	D11/6	
11	SWITCH MODULE	D9/5C3		22	MANUAL SELECT KEYBOARD	A6G/7	



DIGITAL TV CONVERTER ENGR
CONSOLE NO. 44
ROOM NO. 319

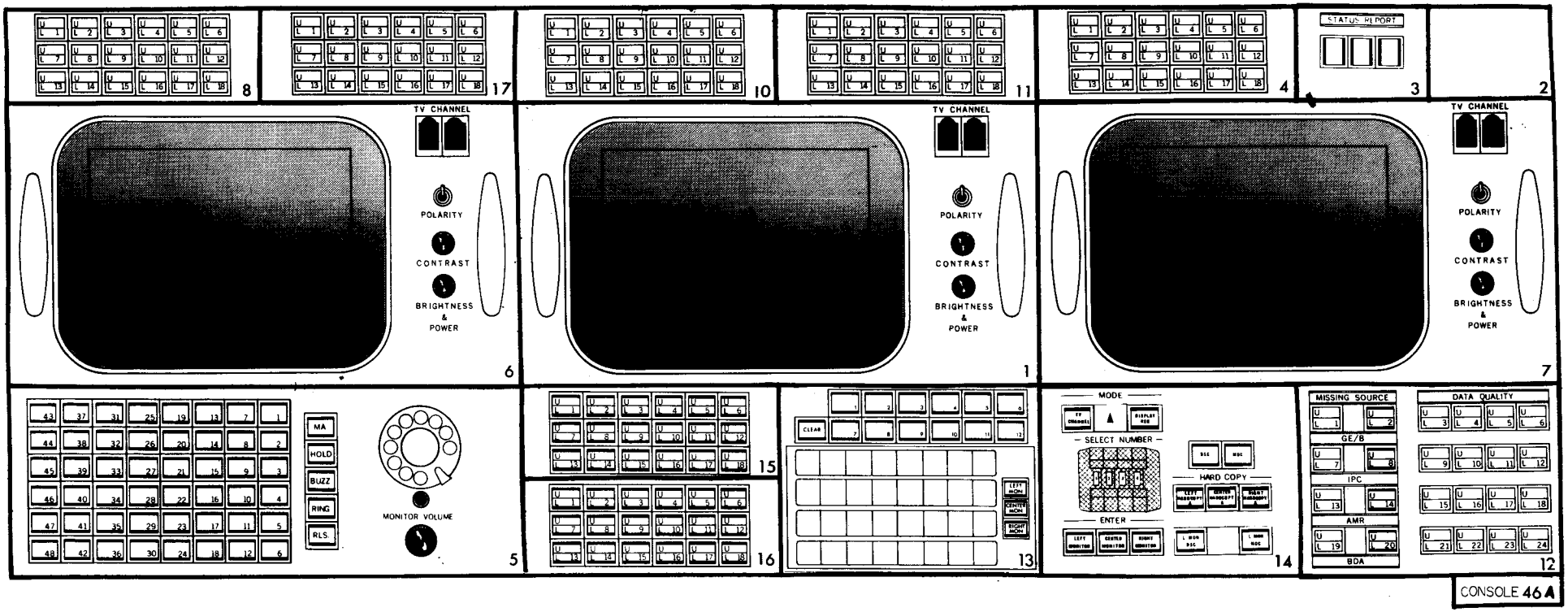
TR155 I-02-44-01

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B		11	TV MONITOR 14" PRECISION	C2/1	
02	EVENT INDICATOR	D9/5B		13	FORCED DISPLAY KEYBOARD	A21/2	
03	LOW SPEED DATA TRANSMISSION	D9/25		14	VOICE COMM POSITION-3401	V48MFD	
04	LOW SPEED DATA TRANSMISSION	D9/25		15	TV MONITOR 14" PRECISION	C2/1	
07	INDICATOR/SWITCH	D9/5D12		16	MANUAL SELECT KEYBOARD	A6D/3	
08	SWITCH MODULE	D9/5A2		17	DISPLAY REQUEST KEYBOARD	A16/B	
09	VOICE COMM POSITION-3400	V48-FD		19	HIGH SPEED DATA INPUT	D9/47	
10	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/16	



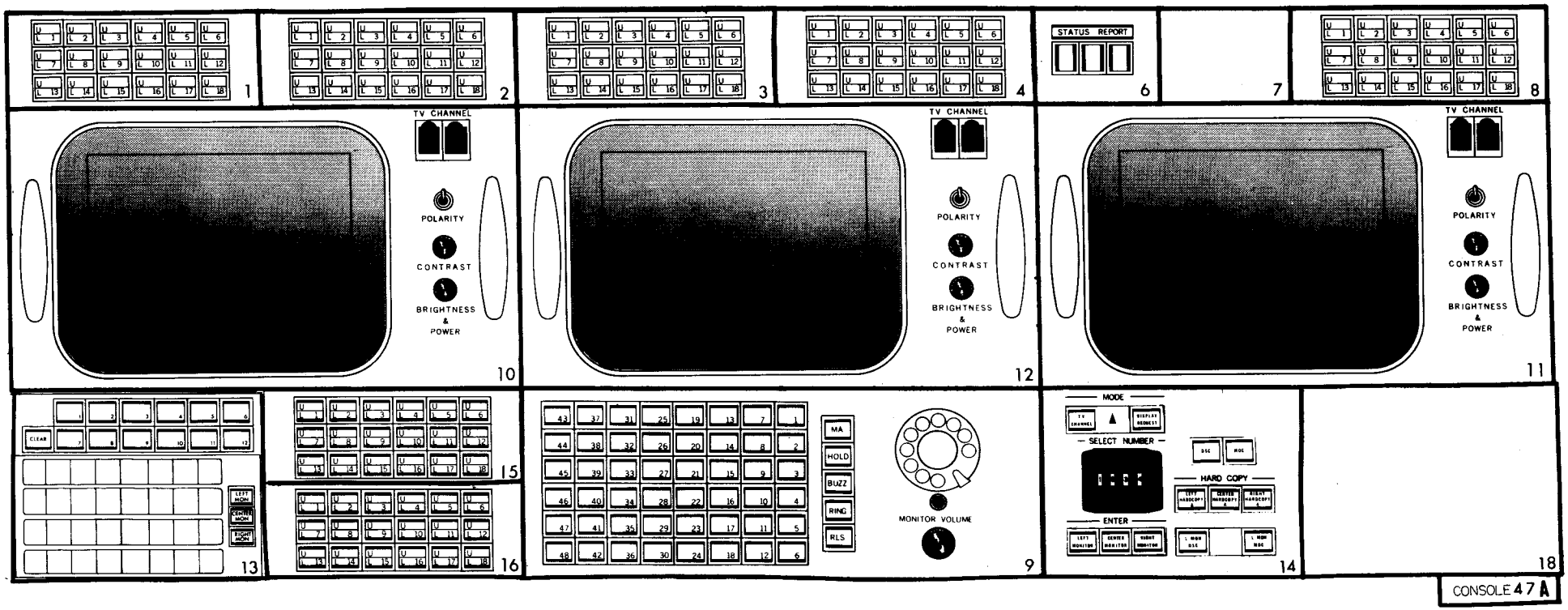
TELEMETRY PROCESSING CONTR
CONSOLE NO. 45A
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE
01	TV MONITOR 14" PRECISION	C2/1	
02	BLANK PANEL	D11/5	
03	THREE PBI SWITCH	D9/2A	
04	EVENT INDICATOR	D9/5B	
05	VOICE COMM POSITION-3403	H48-FD	
06	TV MONITOR 14" PRECISION	C2/1	
07	TV MONITOR 14" PRECISION	C2/1	
08	EVENT INDICATOR	D9/5B	
10	EVENT INDICATOR	D9/5B	
11	EVENT INDICATOR	D9/5B	
12	LAUNCH TRAJECTORY SELECT	D9/12A	
14	MANUAL SELECT KEYBOARD	A6C/6	
15	SWITCH MODULE	D9/5C1	
16	SWITCH MODULE	D9/5C4	
17	EVENT INDICATOR	D9/5B	
18	SWITCH MODULE	D9/5C1	
19	SWITCH MODULE	D9/5C4	



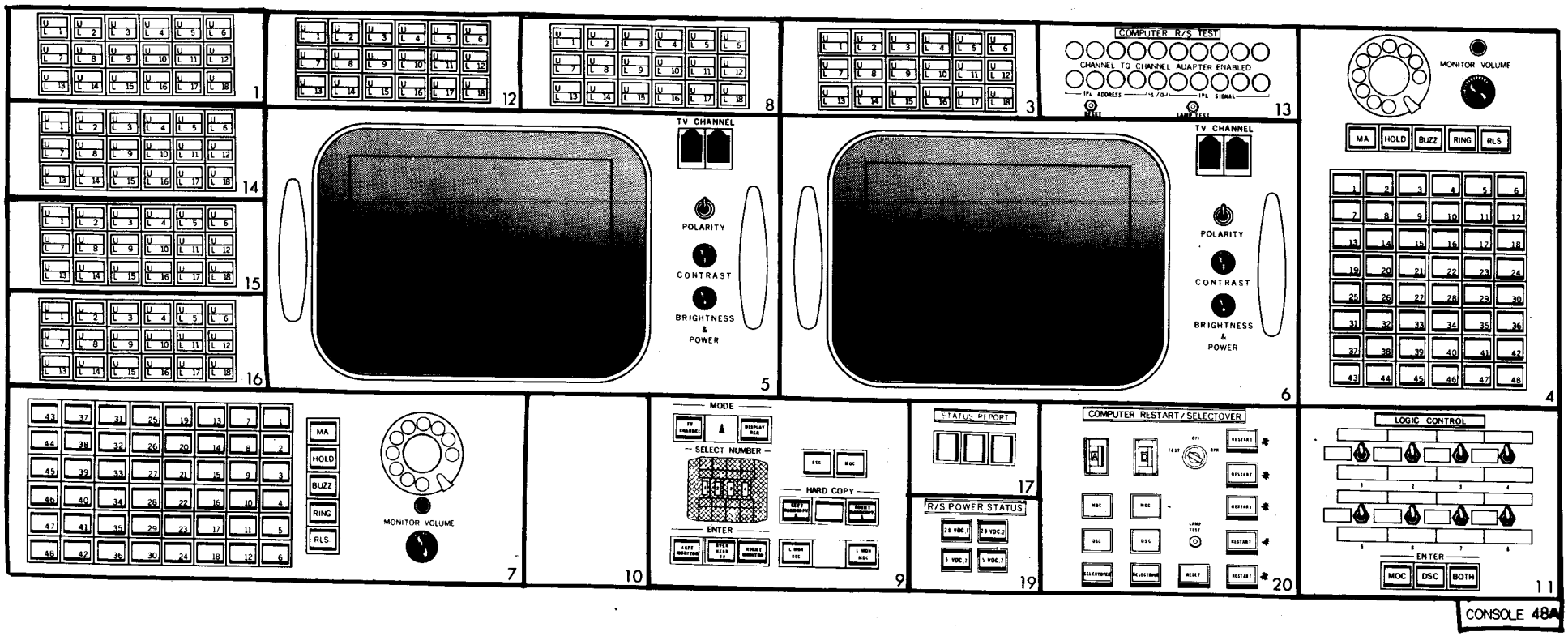
TRACKING DATA SELECT ENGR
CONSOLE NO. 46A -
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B		10	TV MONITOR 14" PRECISION	C2/1	
02	EVENT INDICATOR	D9/5B		11	TV MONITOR 14" PRECISION	C2/1	
03	EVENT INDICATOR	D9/5B		12	TV MONITOR 14" PRECISION	C2/1	
04	EVENT INDICATOR	D9/5B		13	DISPLAY REQUEST KEYBOARD	A16/B	
06	THREE PBI SWITCH	D9/2A		14	MANUAL SELECT KEYBOARD	A6C/6	
07	BLANK PANEL	D11/5		15	SWITCH MODULE	D9/5A2	
08	EVENT INDICATOR	D9/5B		16	SWITCH MODULE	D9/5A2	
09	VOICE COMM POSITION-3404	H48-FD		18	BLANK PANEL	D11/14	



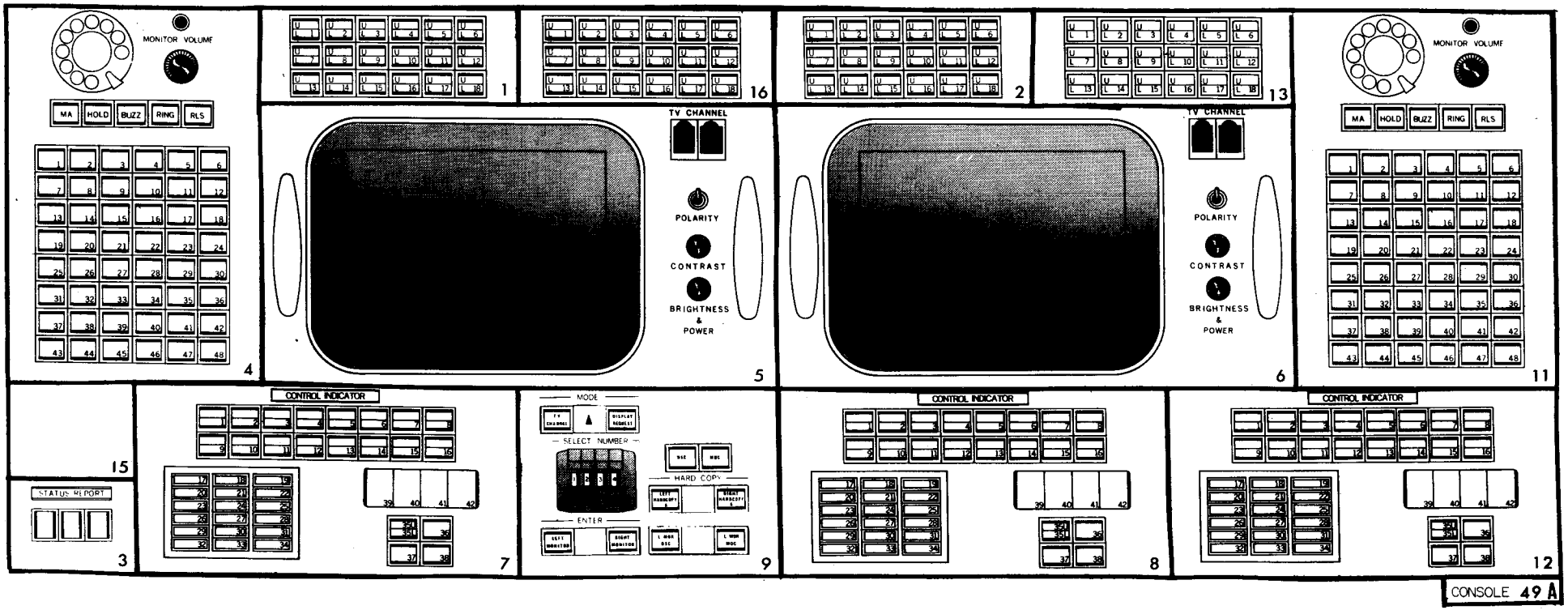
FLT DYNS PROCESSING CONTR
CONSOLE NO. 47A
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE
01	EVENT INDICATOR	D9/5B	
03	EVENT INDICATOR	D9/5B	
04	VOICE COMM POSITION-3402	V48MFD	
05	TV MONITOR 14" PRECISION	C2/1	
06	TV MONITOR 14" PRECISION	C2/1	
07	VOICE COMM POSITION-3427	H48MFD	
08	EVENT INDICATOR	D9/5B	
09	MANUAL SELECT KEYBOARD	A6C/6	
10	BLANK PANEL	D11/13	
11	LOGIC CONTROL	D9/18	
12	EVENT INDICATOR	D9/5B	
13	COMPUTER R/S TEST	D9/14	
14	EVENT INDICATOR	D9/5B	
15	EVENT INDICATOR	D9/5B	
16	EVENT INDICATOR	D9/5B	
17	THREE PBI SWITCH	D9/2A	
19	POWER SUPPLY STATUS	D9/3B	
20	COMPUTER RESTART/SELECTOVER	D9/17B	10



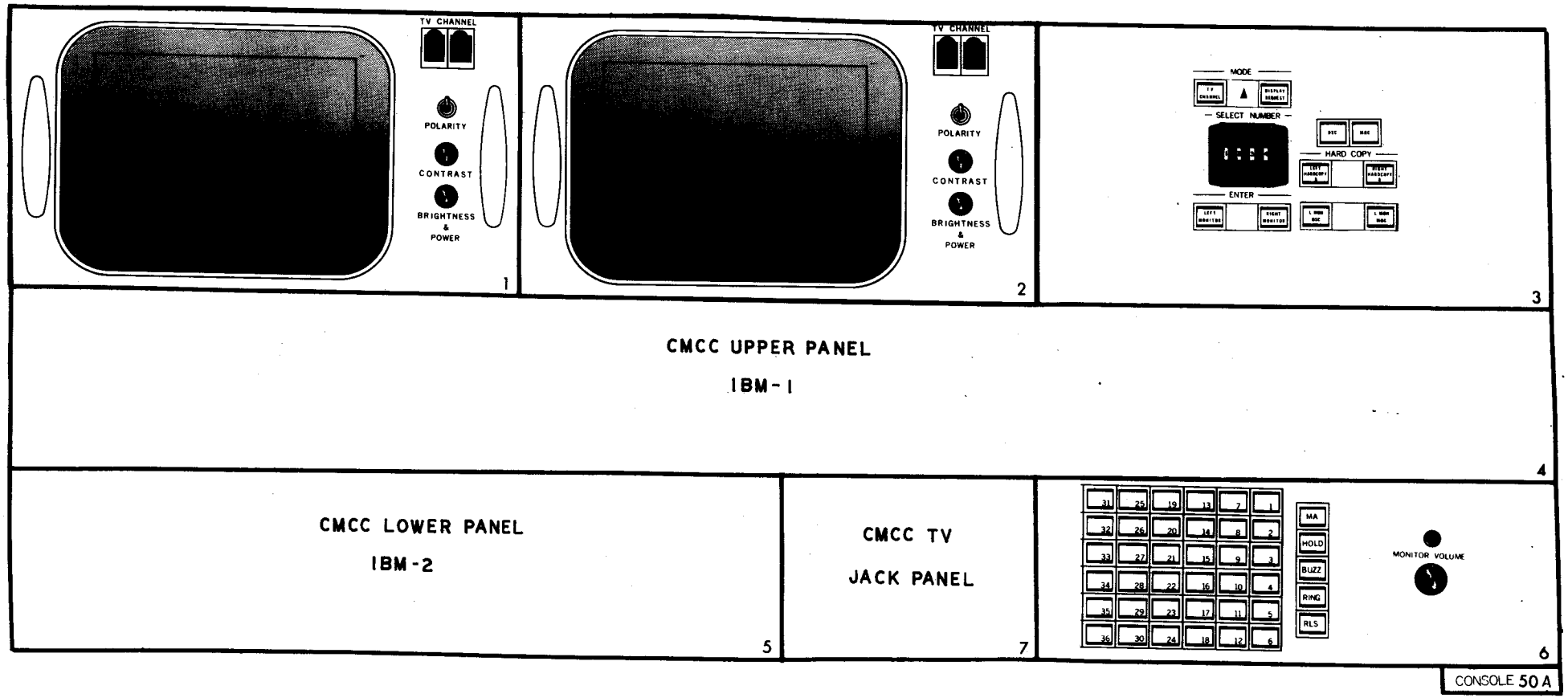
RTCC COMPLEX SUPERVISOR
CONSOLE NO. 48A
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	SWITCH MODULE	D9/5A5		08	RTCC DCS TRANSMIT	D9/16B	
02	SWITCH MODULE	D9/5A5		09	MANUAL SELECT KEYBOARD	A6C/5	
03	THREE PBI SWITCH	D9/2A		11	VOICE COMM POSITION-3406	V48MFD	
04	VOICE COMM POSITION-3405	V48-FD		12	RTCC DCS TRANSMIT	D9/16B	
05	TV MONITOR 14" PRECISION	C2/1		13	EVENT INDICATOR	D9/5B	
06	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/5	
07	RTCC DCS TRANSMIT	D9/16B		16	SWITCH MODULE	D9/5A5	



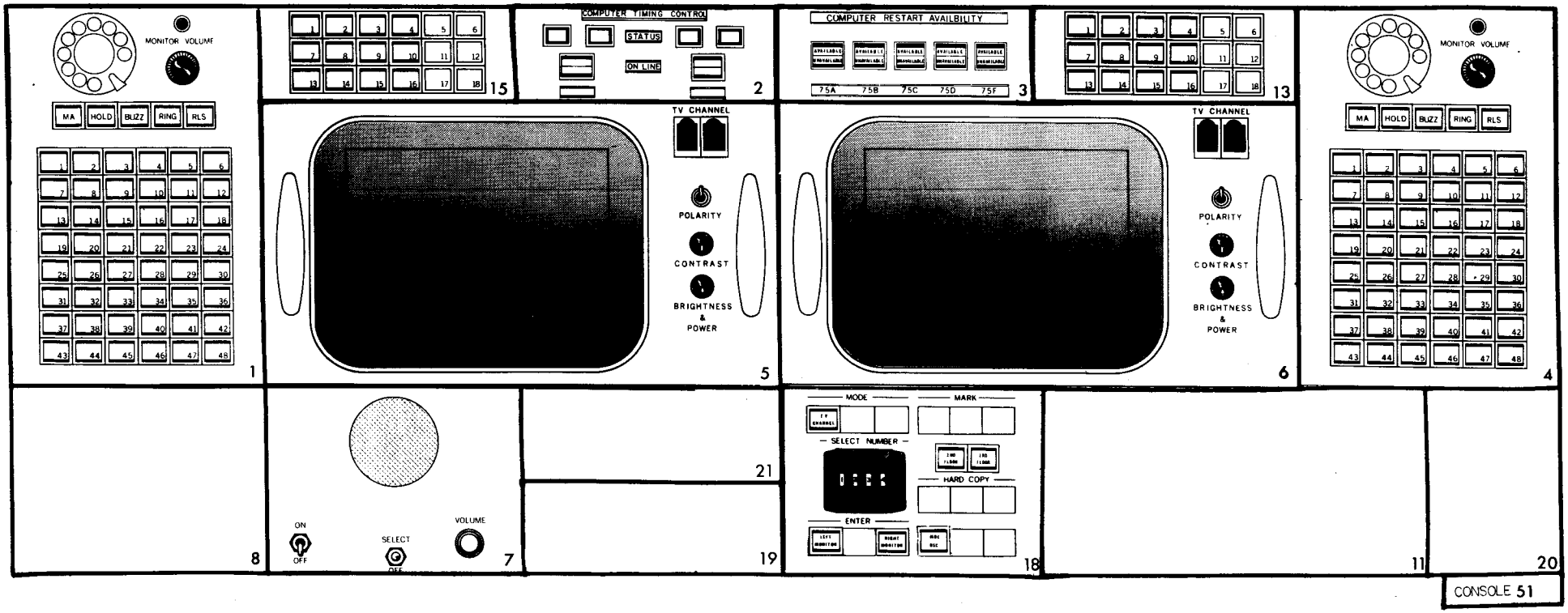
NETWORK & CMD PROCESS CONTR
CONSOLE NO. 49A
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	TV MONITOR 14" PRECISION	C2/1		05	CMCC LOWER PANEL	IBM/2	
02	TV MONITOR 14" PRECISION	C2/1		06	VOICE COMM POSITION-3407	D36---	
03	MANUAL SELECT KEYBOARD	A6C/5		07	CMCC TV JACK PANEL	IBM/3	
04	CMCC UPPER PANEL	IBM/1					



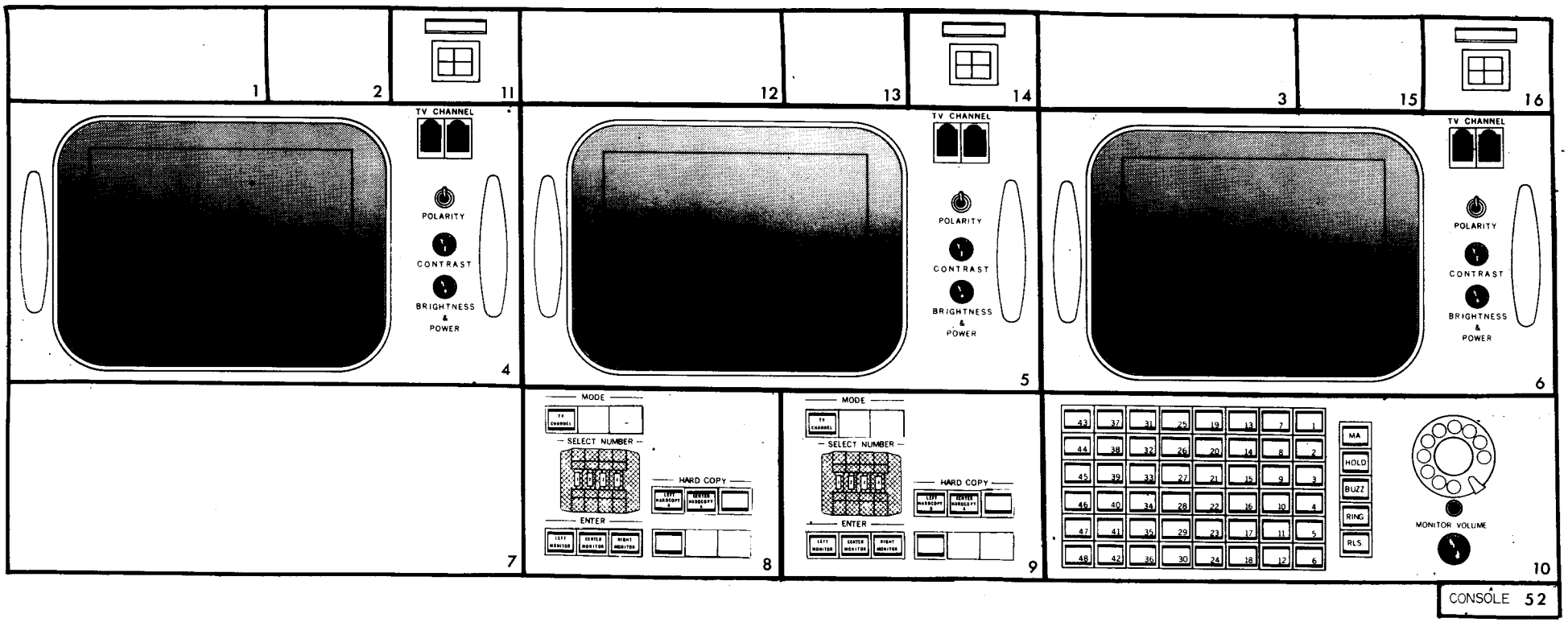
RTCC CMCC
CONSOLE NO. 50A
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4409	V48MFD		11	BLANK PANEL	D11/15	
02	CPTR TIMING CONTROL	D9/5D19		13	INDICATOR/SWITCH	D9/5D1	
03	COMPUTER RESTART AVAIL	D9/3C		15	INDICATOR/SWITCH	D9/5D1	
04	VOICE COMM POSITION-4408	V48MFD		18	MANUAL SELECT KEYBOARD	A6G/11	
05	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/6	
06	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/13	
07	VOICE COMM SPEAKER	C1/1		21	BLANK PANEL	D11/6	
08	BLANK PANEL	D11/14					



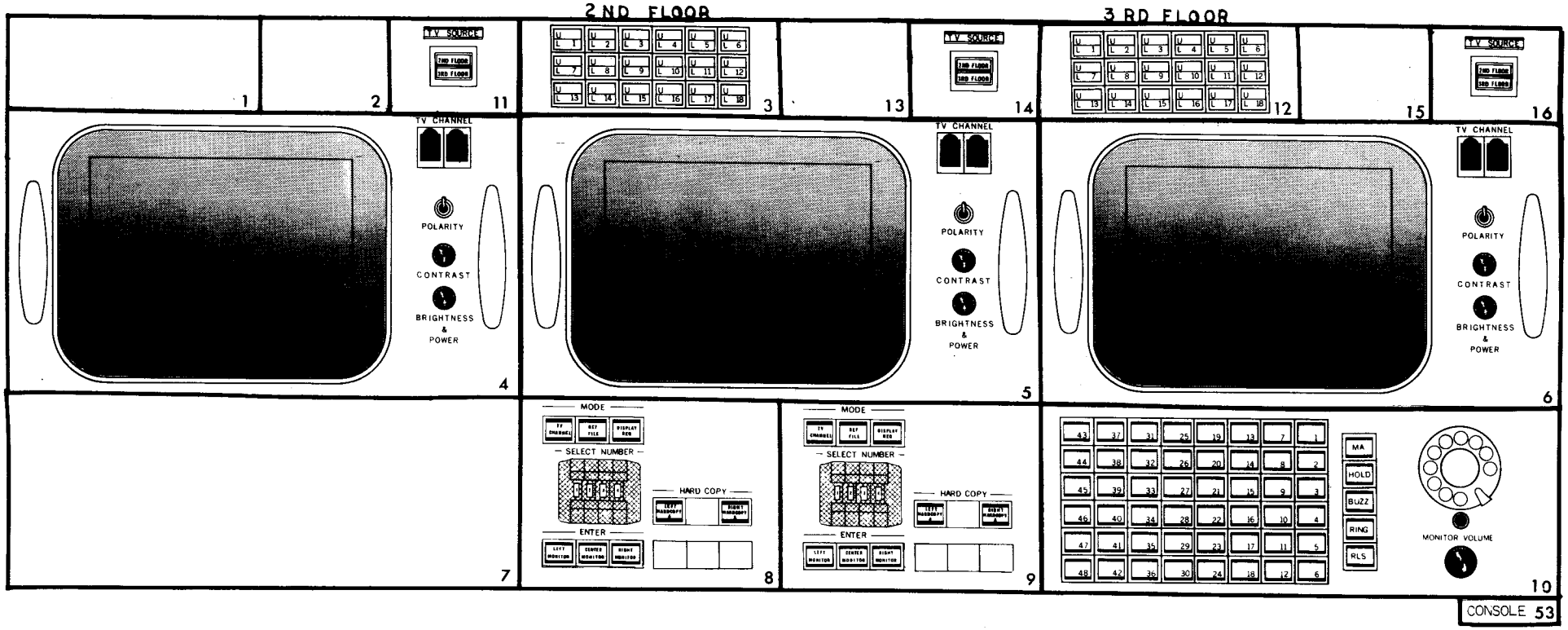
CMPTR M&O-OPERATION SUPPORT
CONSOLE NO. 51
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		09	MANUAL SELECT KEYBOARD	A6A/30	
02	BLANK PANEL	D11/5		10	VOICE COMM POSITION-4265	H48-FD	
03	BLANK PANEL	D11/6		11	SOURCE INDICATOR (CSL)	D9/26B	
04	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/6	
05	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/5	
06	TV MONITOR 14" PRECISION	C2/1		14	SOURCE INDICATOR (CSL)	D9/26B	
07	BLANK PANEL	D11/16		15	BLANK PANEL	D11/5	
08	MANUAL SELECT KEYBOARD	A6A/30		16	SOURCE INDICATOR (CSL)	D9/26B	



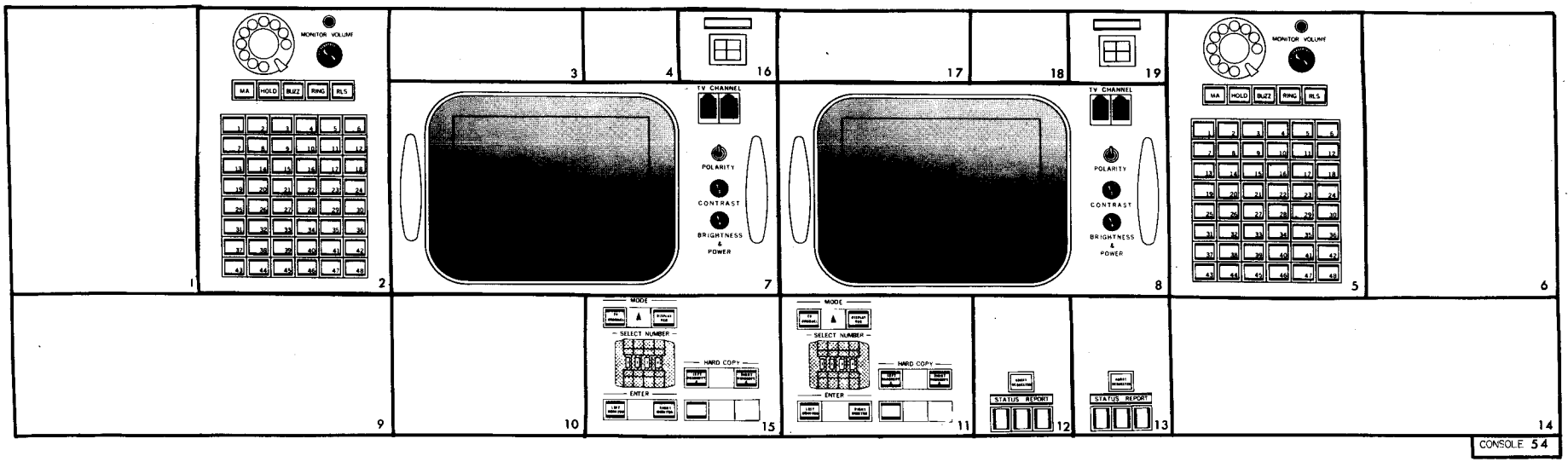
SPACECRAFT METEOROLOGIST
CONSOLE NO. 52
ROOM NO. 324

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		09	MANUAL SELECT KEYBOARD	A6A/32	
02	BLANK PANEL	D11/5		10	VOICE COMM POSITION-4266	H48-FD	
03	EVENT INDICATOR	D9/5B		11	SOURCE INDICATOR (CSL)	D9/26B	
04	TV MONITOR 14" PRECISION	C2/1		12	EVENT INDICATOR	D9/5B	
05	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/5	
06	TV MONITOR 14" PRECISION	C2/1		14	SOURCE INDICATOR (CSL)	D9/26B	
07	BLANK PANEL	D11/16		15	BLANK PANEL	D11/5	
08	MANUAL SELECT KEYBOARD	A6A/32		16	SOURCE INDICATOR (CSL)	D9/26B	



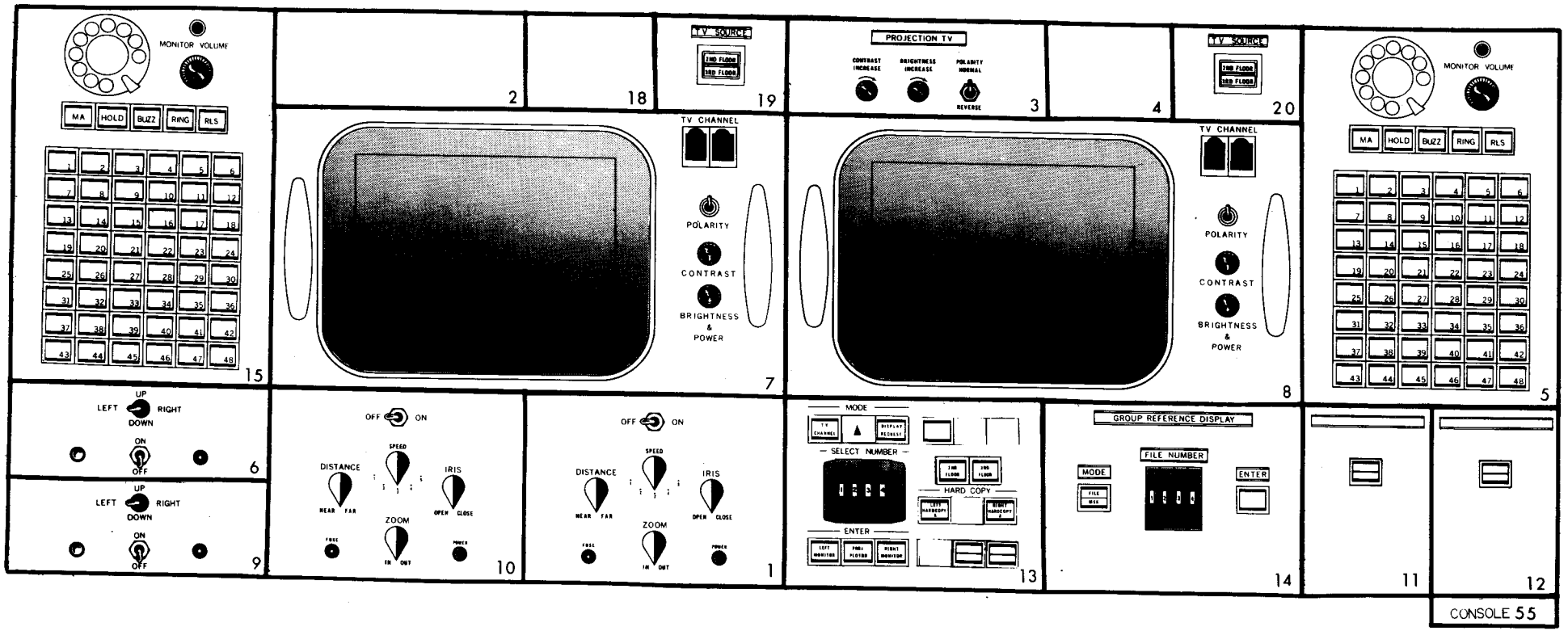
SPACE ENVIRONMENT
CONSOLE NO. 53
ROOM NO. 324

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		11	MANUAL SELECT KEYBOARD	A6A/28	
02	VOICE COMM POSITION-4280	V48-FD		12	STATUS REPORTING	D9/1B	
03	BLANK PANEL	D11/6		13	STATUS REPORTING	D9/1B	
04	BLANK PANEL	D11/5		14	BLANK PANEL	D11/16	
05	VOICE COMM POSITION-4281	V48-FD		15	MANUAL SELECT KEYBOARD	A6A/28	
06	BLANK PANEL	D11/30		16	SOURCE INDICATOR (CSL)	D9/26B	
07	TV MONITOR 14" PRECISION	C2/1		17	BLANK PANEL	D11/6	
08	TV MONITOR 14" PRECISION	C2/1		18	BLANK PANEL	D11/5	
09	BLANK PANEL	D11/16		19	SOURCE INDICATOR (CSL)	D9/26B	
10	BLANK PANEL	D11/14					



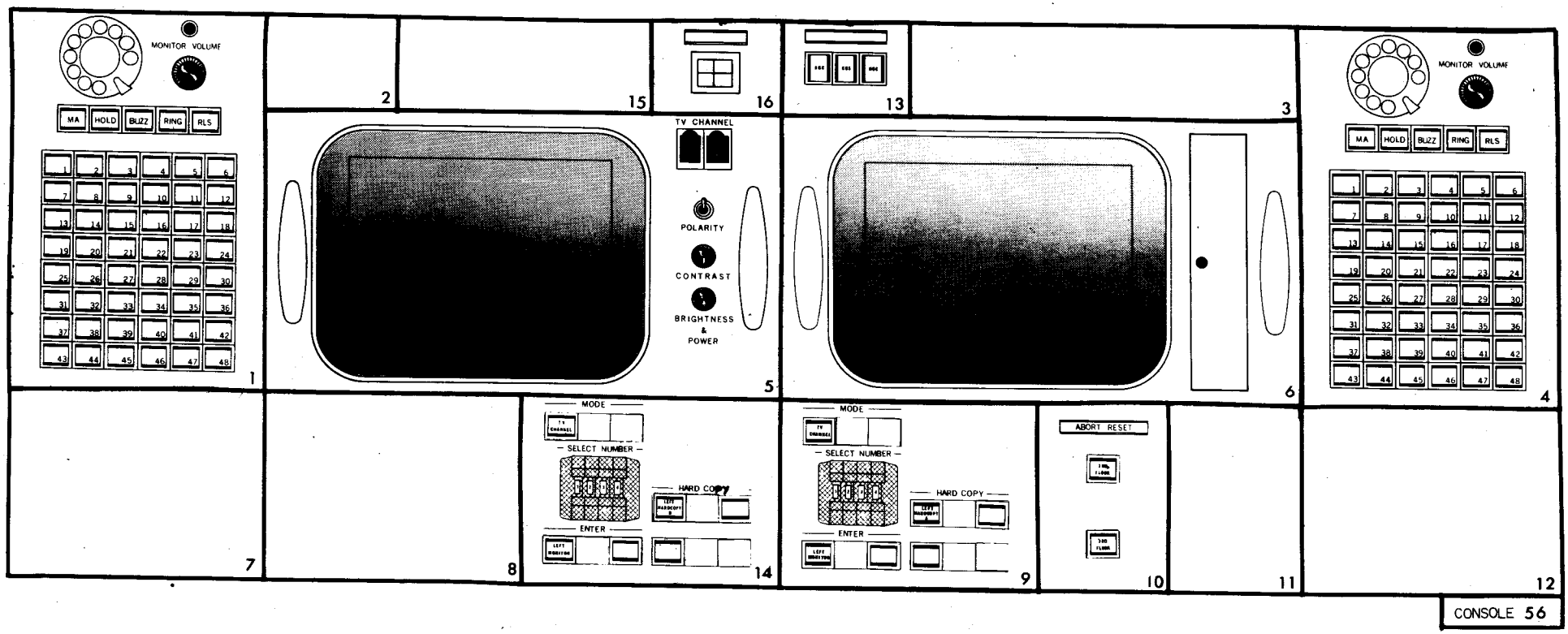
NASA RECOVERY COORDINATOR
CONSOLE NO. 54
ROOM NO. 327

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	ZOOM CONTROL	C1/3A		10	ZOOM CONTROL	C1/3A	
02	BLANK PANEL	D11/6		11	SWITCH MODULE	D9/4A5	
03	PROJECTION TV CONTROL	D9/6B		12	SINGLE PBI SWITCH	D9/4A2	
04	BLANK PANEL	D11/5		13	MANUAL SELECT KEYBOARD	A6G/8	
05	VOICE COMM POSITION-4282	V48MFD		14	REFERENCE FILE KEYBOARD	D9/21	
06	PAN/TILT CONTROL	C1/3B		15	VOICE COMM POSITION-4283	V48MFD	
07	TV MONITOR 14" PRECISION	C2/1		18	BLANK PANEL	D11/5	
08	TV MONITOR 14" PRECISION	C2/1		19	SOURCE INDICATOR (CSL)	D9/26B	
09	PAN/TILT CONTROL	C1/3B		20	SOURCE INDICATOR (CSL)	D9/26B	



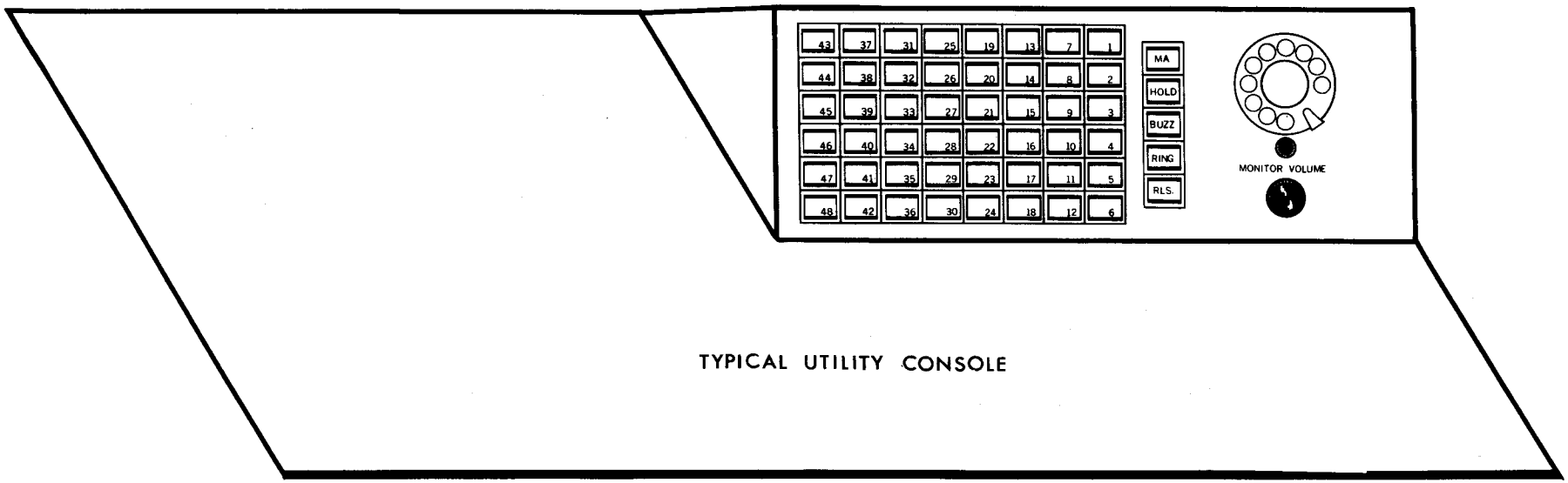
RECOVERY DISPLAY CONTROLLER
CONSOLE NO. 55
ROOM NO. 327

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4284	V48MFD		09	MANUAL SELECT KEYBOARD	A6A/28	
02	BLANK PANEL	D11/5		10	ABORT REQUESTED INDICATOR	D9/4C1	
03	BLANK PANEL	D11/7		11	BLANK PANEL	D11/13	
04	VOICE COMM POSITION-4285	V48MFD		12	BLANK PANEL	D11/14	
05	TV MONITOR 14" PRECISION	C2/1		13	THREE PBI SWITCH	D9/2A	
06	TV MONITOR 14" UTILITY	C2/2		14	MANUAL SELECT KEYBOARD	A6A/28	
07	BLANK PANEL	D11/14		15	BLANK PANEL	D11/6	
08	BLANK PANEL	D11/14		16	SOURCE INDICATOR (CSL)	D9/26B	



DOD EXECUTIVE OFFICER
CONSOLE NO. 56
ROOM NO. 327

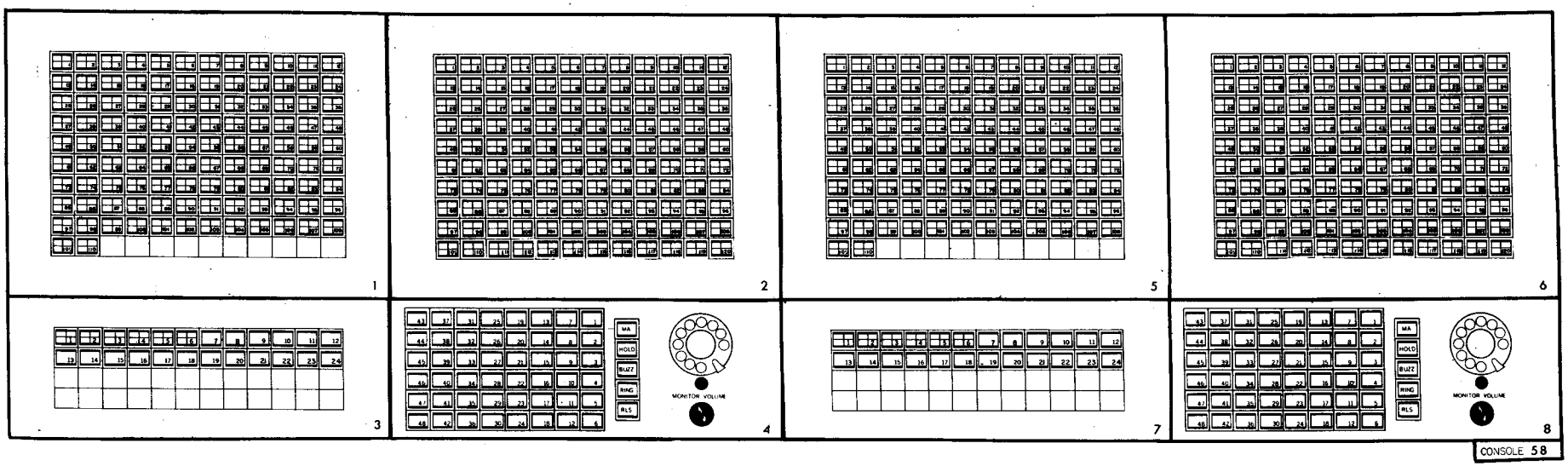
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
A	VOICE COMM POSITION-4286	H48-FD		F1	VOICE COMM POSITION-4294	H48-FD	
B	VOICE COMM POSITION-4287	H48-FD		F2	VOICE COMM POSITION-4291	H48MFD	
C	VOICE COMM POSITION-4288	H48-FD		G	VOICE COMM POSITION-4292	H48-FD	
D	VOICE COMM POSITION-4289	H48-FD		H	VOICE COMM POSITION-4293	H48-FD	
E	VOICE COMM POSITION-4290	H48-FD					



TYPICAL UTILITY CONSOLE

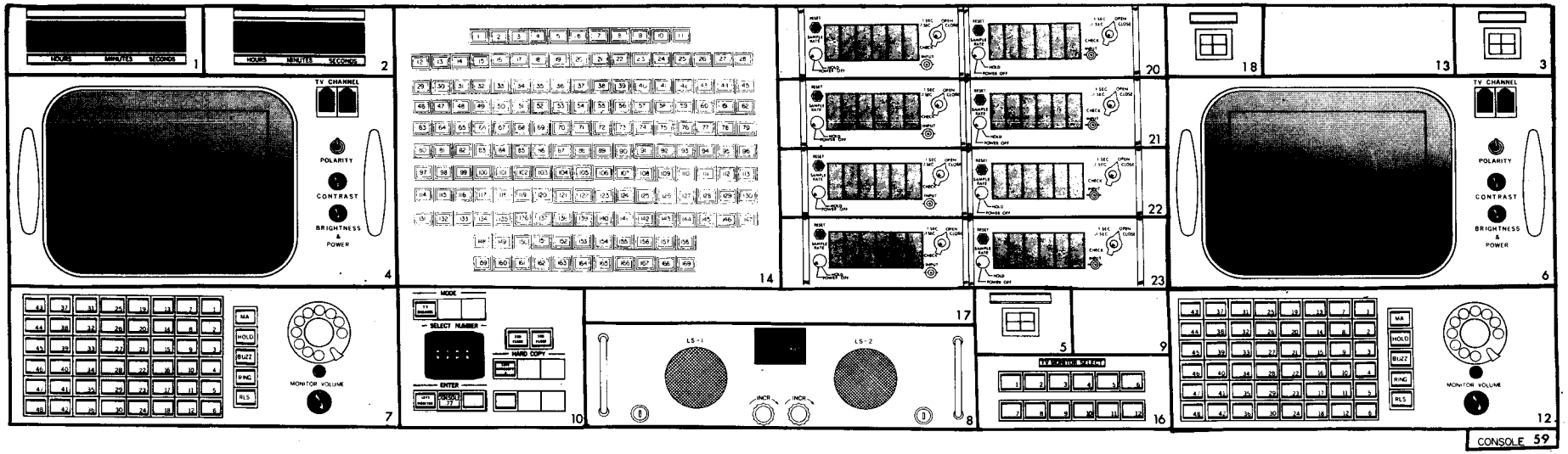
CONSOLES 57A THRU 57H

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	CLS PICKUP KEY PANEL	COMPKP		05	CLS PICKUP KEY PANEL	COMPKP	
02	CLS PICKUP KEY PANEL	COMPKP		06	CLS PICKUP KEY PANEL	COMPKP	
03	CLS COMMON/CONF PANEL	COMCKP		07	CLS COMMON/CONF PANEL	COMCKP	
04	VOICE COMM POSITION-4495	H48-FD		08	VOICE COMM POSITION-4496	H48-FD	



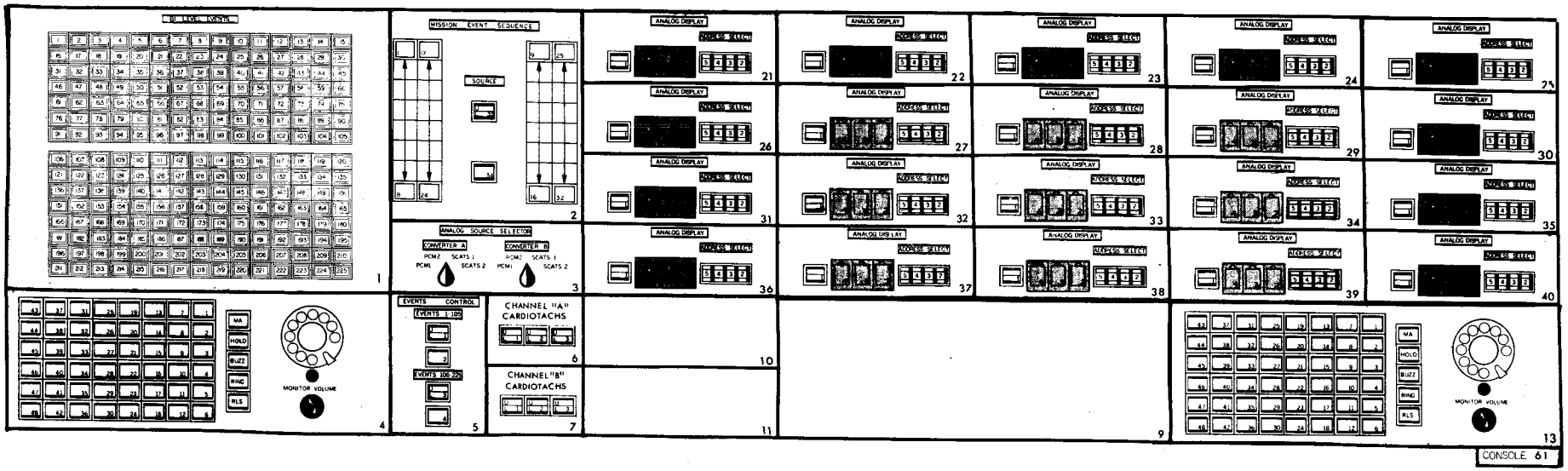
COMM. LINE SWITCH
CONSOLE NO. 58
ROOM NO. 118A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	7 DIGIT CLOCK	D8/3		12	VOICE COMM POSITION-4498	H48MFD	
02	6 DIGIT CLOCK	D8/1		13	BLANK PANEL	D11/6	
03	SOURCE INDICATOR (CSL)	D9/26B		14	COMM STATUS DISPLAY	COMSDP	
04	TV MONITOR 14" PRECISION	C2/1		16	TV MONITOR SELECT	D9/23A	23
05	SOURCE INDICATOR (CSL)	D9/26B		17	BLANK PANEL	D11/4	
06	TV MONITOR 14" PRECISION	C2/1		18	SOURCE INDICATOR (CSL)	D9/26B	
07	VOICE COMM POSITION-4497	H48MFD		20	ELECTRONIC COUNTER	FR1004	
08	VOICE COMM DUAL SPEAKER	C1/2		21	ELECTRONIC COUNTER	FR1004	
09	BLANK PANEL	D11/5		22	ELECTRONIC COUNTER	FR1004	
10	MANUAL SELECT KEYBOARD	A6G/5		23	ELECTRONIC COUNTER	FR1004	



COMMUNICATIONS CONTROLLER
CONSOLE NO. 59
ROOM NO. 118A

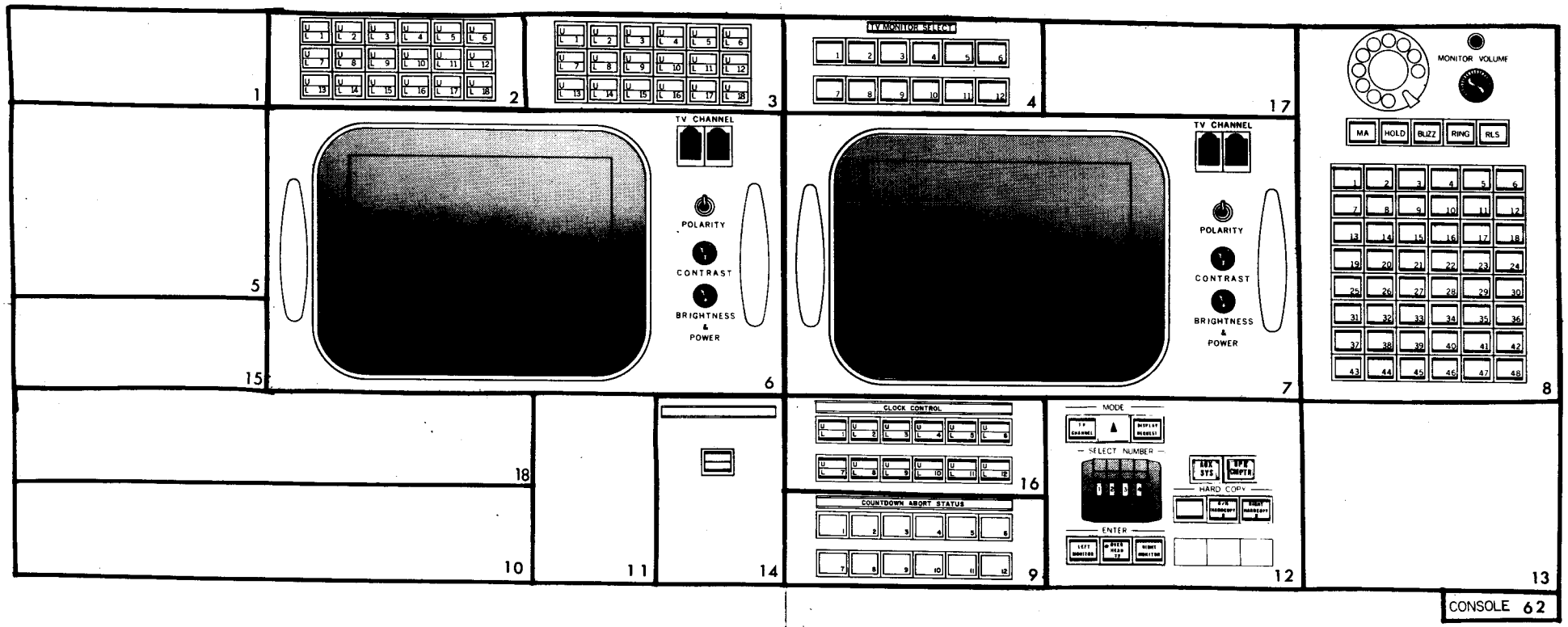
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	TELEMETER EVENTS INDICATOR	TLM/15		07	THREE PBI SWITCH	D9/2F	
02	MISSION EVENT SEQUENCE IND	TLM/16		09	BLANK PANEL	D11/16	
03	ANALOG SOURCE SELECTOR	TLM/17		10	BLANK PANEL	D11/6	
04	VOICE COMM POSITION-4540	H48MFD		11	BLANK PANEL	D11/6	
05	TELEMETER EVENTS CONT SW	TLM/18		13	VOICE COMM POSITION-4541	H48MFD	
06	THREE PBI SWITCH	D9/2F		21-40	ANALOG DISPLAY INDICATOR	TLM/21	



TR155 I-02-61-01

TELEMETRY SUPERVISOR
CONSOLE NO. 61
ROOM NO. 129

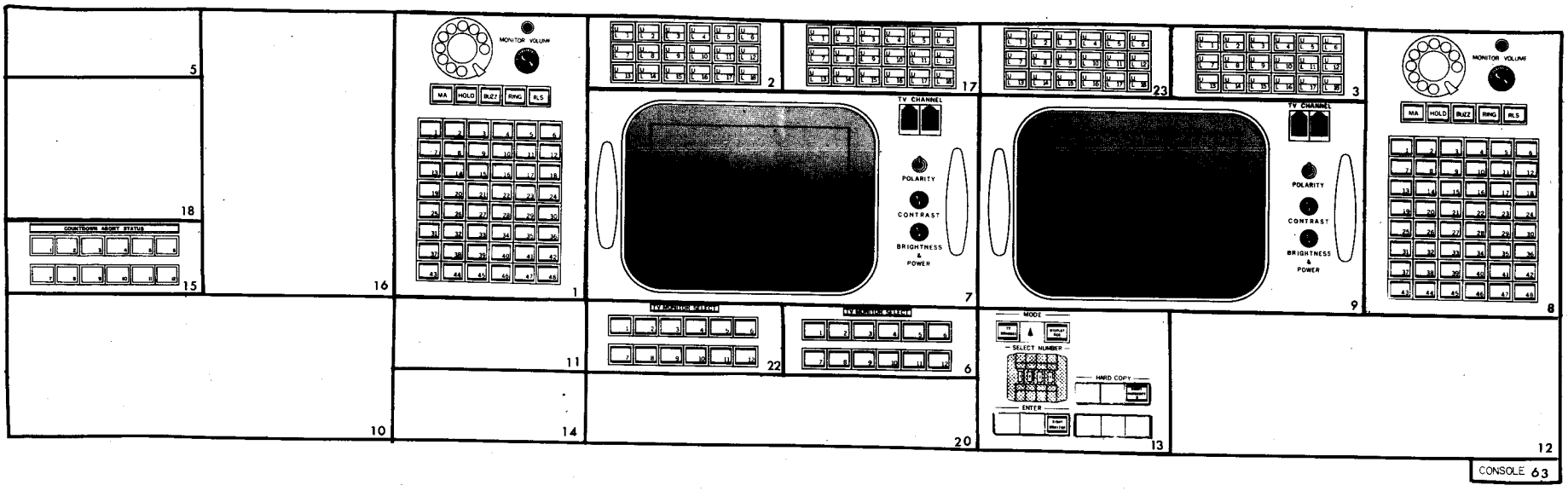
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		10	BLANK PANEL	D11/8	
02	EVENT INDICATOR	D9/5B		11	BLANK PANEL	D11/13	
03	EVENT INDICATOR	D9/5B		12	MANUAL SELECT KEYBOARD	A6G/3	
04	TV MONITOR SELECT	D9/23A		13	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/14		14	SINGLE PBI SWITCH	D9/4A2	
06	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/6	
07	TV MONITOR 14" PRECISION	C2/1		16	CLOCK CONTROL	D9/23H	
08	VOICE COMM POSITION-3310	V48M--		17	BLANK PANEL	D11/6	
09	COUNTDOWN ABORT STATUS	D9/23F		18	BLANK PANEL	D11/8	



SIMULATION SUPERVISOR
CONSOLE NO. 62
ROOM NO. 328

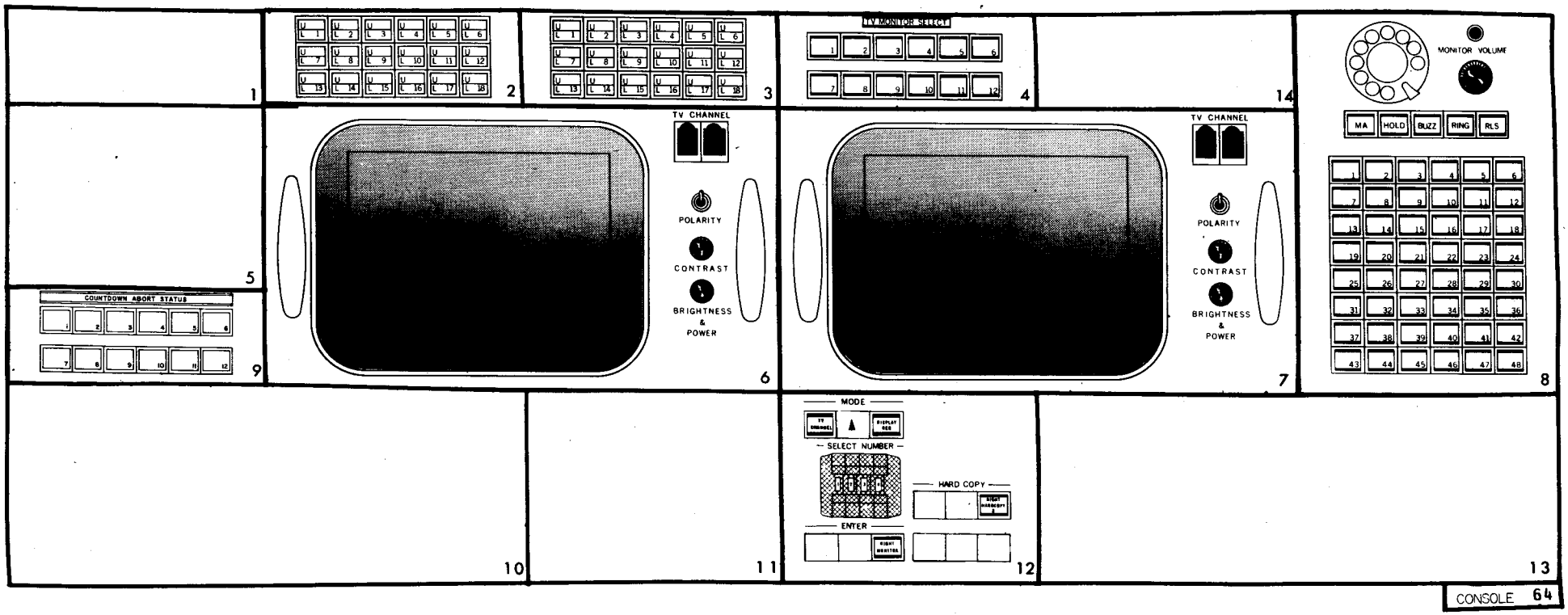
TR155 I-02-62-01

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3311	V48MFD		12	BLANK PANEL	D11/16	
02	EVENT INDICATOR	D9/5B		13	MANUAL SELECT KEYBOARD	A6A/23	
03	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/6	
05	BLANK PANEL	D11/6		15	COUNTDOWN ABORT STATUS	D9/23F	
06	SWITCH MODULE	D9/23K		16	BLANK PANEL	D11/30	
07	TV MONITOR 14" PRECISION	C2/1		17	EVENT INDICATOR	D9/5B	
08	VOICE COMM POSITION-3312	V48MFD		18	BLANK PANEL	D11/14	
09	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/8	
10	BLANK PANEL	D11/16		22	SWITCH MODULE	D9/23K	
11	BLANK PANEL	D11/6		23	EVENT INDICATOR	D9/5B	



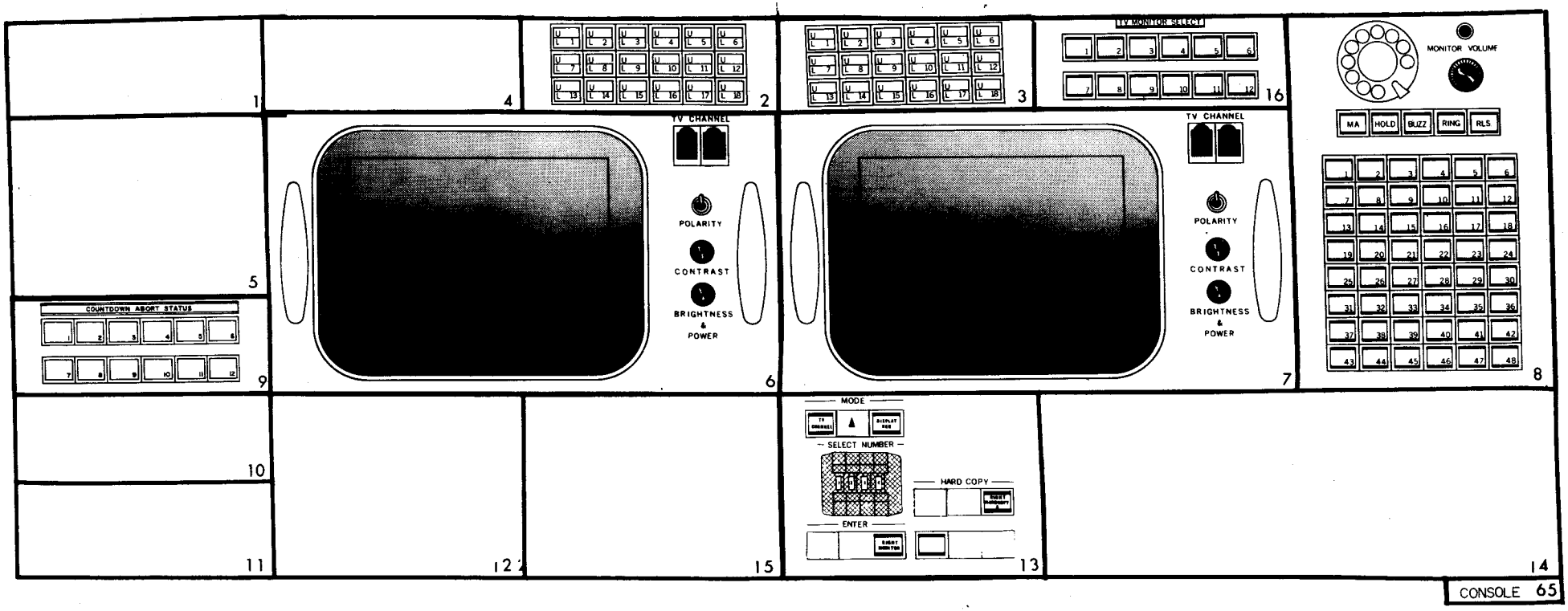
SIM LM/SLV
CONSOLE NO. 63
ROOM NO. 328

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		08	VOICE COMM POSITION-3313	V48M--	
02	EVENT INDICATOR	D9/5B		09	COUNTDOWN ABORT STATUS CTRL	D9/23G	
03	EVENT INDICATOR	D9/5B		10	BLANK PANEL	D11/16	
04	TV MONITOR SELECT	D9/23A		11	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/14		12	MANUAL SELECT KEYBOARD	A6A/23	
06	TV MONITOR 14" PRECISION	C2/1		13	BLANK PANEL	D11/16	
07	TV MONITOR 14" PRECISION	C2/1		14	BLANK PANEL	D11/6	



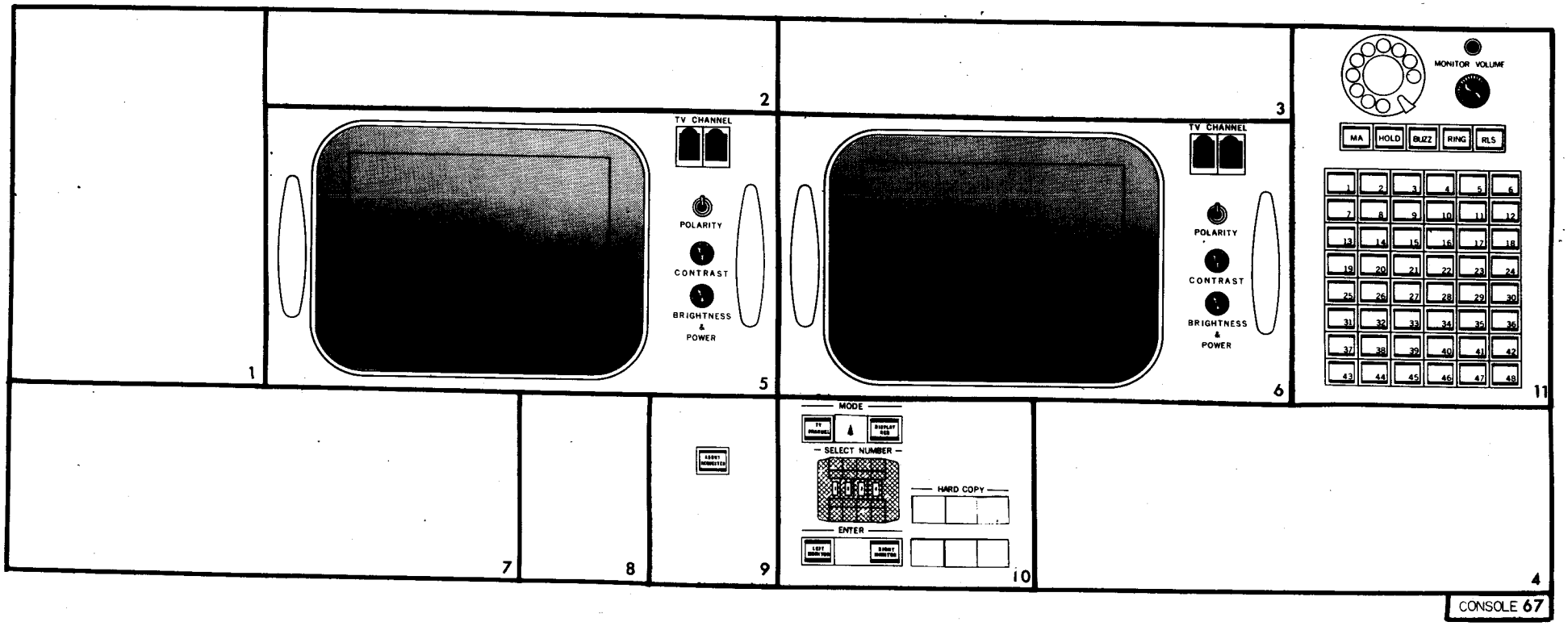
SIM TELCOMM/NETWORK
CONSOLE NO. 64
ROOM NO. 328

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/6		09	COUNTDOWN ABORT STATUS	D9/23F	
02	EVENT INDICATOR	D9/5B		10	BLANK PANEL	D11/6	
03	EVENT INDICATOR	D9/5B		11	BLANK PANEL	D11/6	
04	BLANK PANEL	D11/6		12	BLANK PANEL	D11/14	
05	BLANK PANEL	D11/14		13	MANUAL SELECT KEYBOARD	A6A/12	
06	TV MONITOR 14" PRECISION	C2/1		14	BLANK PANEL	D11/16	
07	TV MONITOR 14" PRECISION	C2/1		15	BLANK PANEL	D11/14	
08	VOICE COMM POSITION-3314	V48M		16	TV MONITOR SELECT	D9/23A	



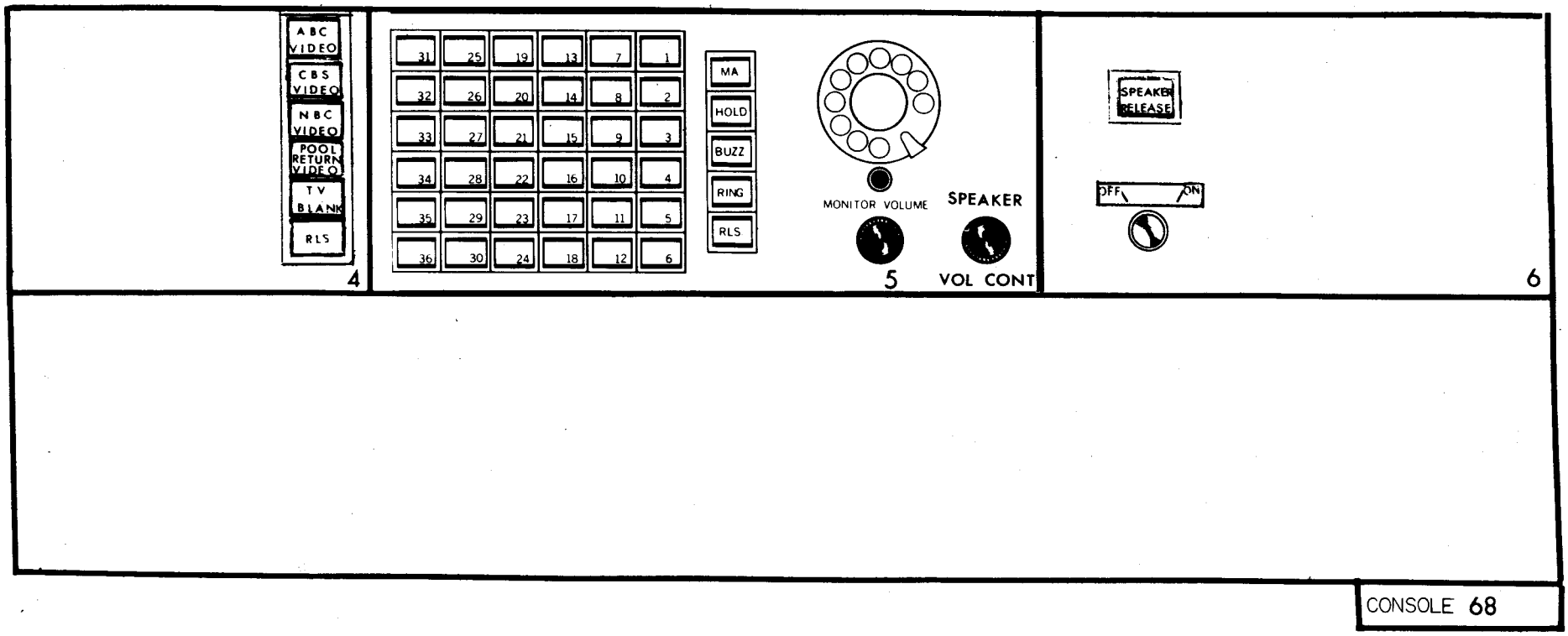
SIM CIM
CONSOLE NO. 65
ROOM NO. 328

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		07	BLANK PANEL	D11/16	
02	BLANK PANEL	D11/8		08	BLANK PANEL	D11/13	
03	BLANK PANEL	D11/8		09	ABORT REQUESTED	D9/4B1	
04	BLANK PANEL	D11/16		10	MANUAL SELECT KEYBOARD	A6A/24	
05	TV MONITOR 14" PRECISION	C2/1		11	VOICE COMM POSITION-3032	V48MFD	
06	TV MONITOR 14" PRECISION	C2/1					



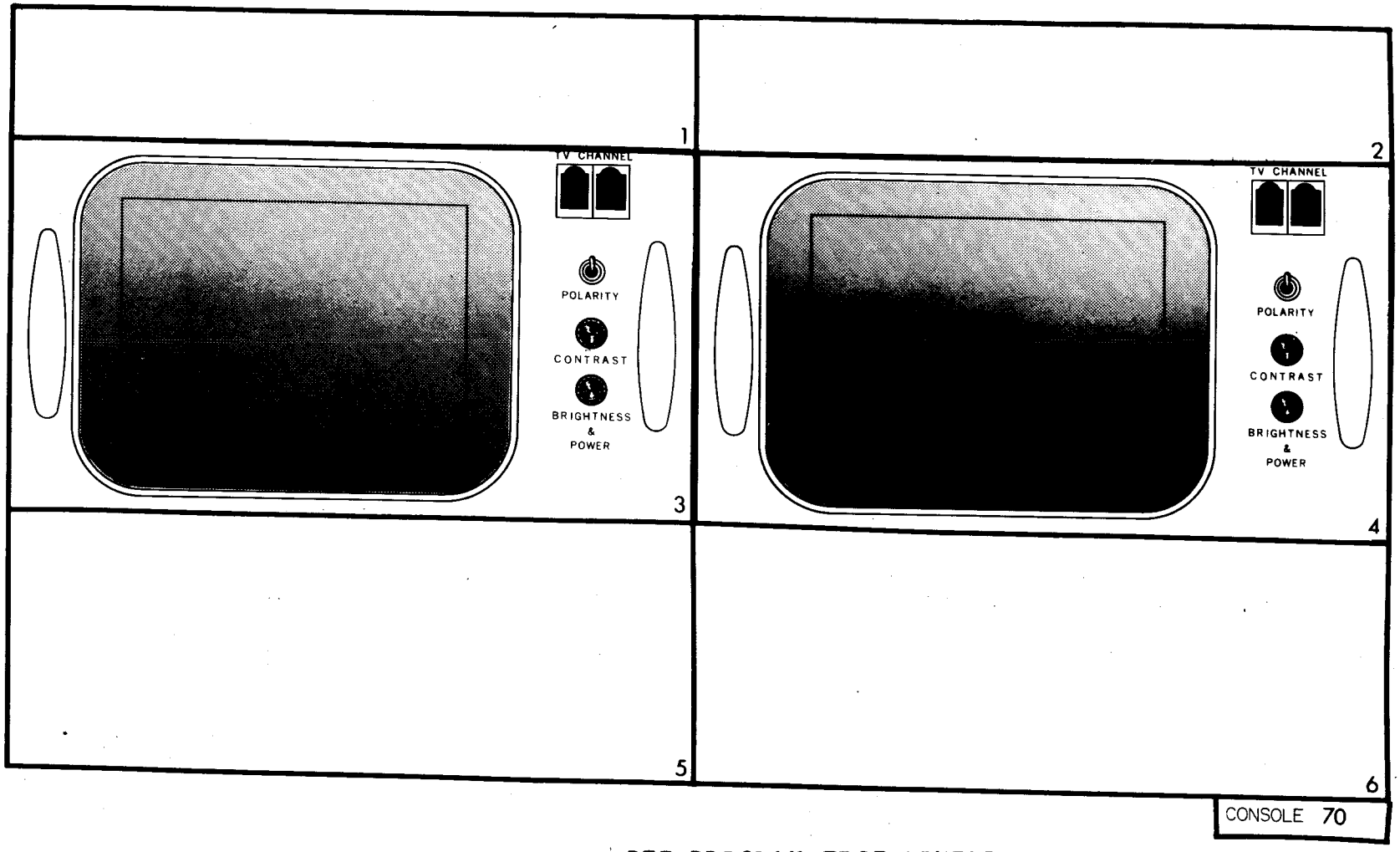
DIRECTOR FLIGHT OPS
CONSOLE NO. 67
ROOM NO. 330

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
05	VOICE COMM POSITION-3045	D36SFD					



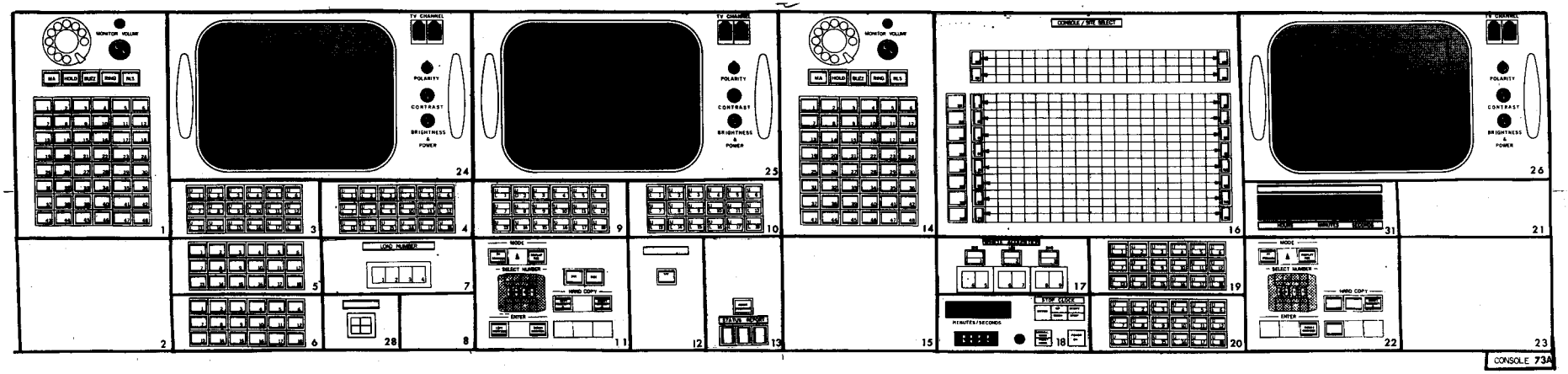
AUDIO VISUAL CONTROLLER
CONSOLE NO. 68
ROOM NO. 332

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/8		04	TV MONITOR 14" PRECISION	C2/1	
02	BLANK PANEL	D11/8		05	BLANK PANEL	D11/16	
03	TV MONITOR 14" PRECISION	C2/1		06	BLANK PANEL	D11/16	



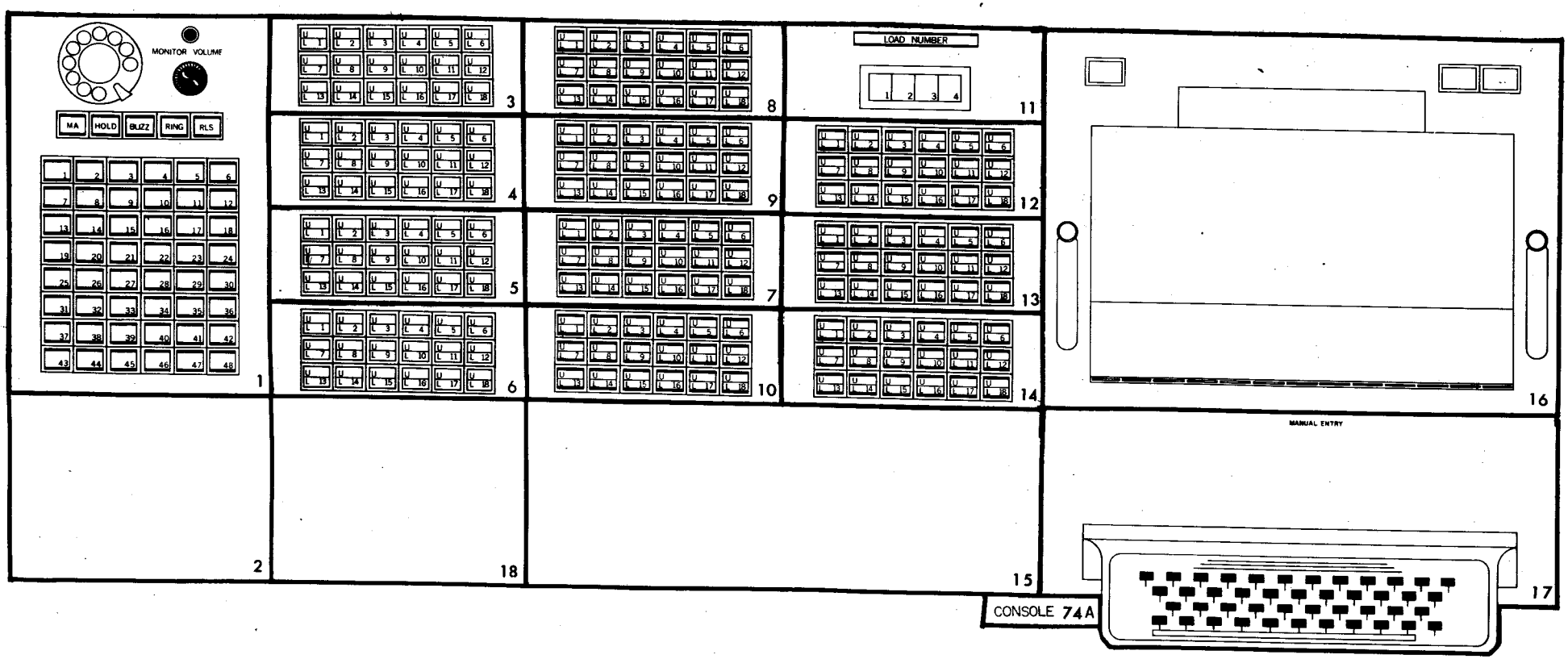
DTE PROGRAM TEST CONTROL
CONSOLE NO. 70
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3505	V48MFD		15	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/14		16	CONSOLE/SITE SELECT	D9/42	
03	SWITCH MODULE	D9/40A		17	VEHICLE ACQUISITION	D9/43	
04	SWITCH MODULE	D9/40B		18	STOP CLOCK (4 DIGIT)	B12/3	
05	SWITCH MODULE	D9/40B		19	SWITCH MODULE	D9/40B	
06	SWITCH MODULE	D9/40B		20	SWITCH MODULE	D9/40B	
07	LOAD NUMBER INDICATOR	D9/41A		21	BLANK PANEL	D11/6	
08	BLANK PANEL	D11/5		22	MANUAL SELECT KEYBOARD	A6A/31	
09	EVENT INDICATOR	D9/5B		23	BLANK PANEL	D11/14	
10	EVENT INDICATOR	D9/5B		24	TV MONITOR 14" PRECISION	C2/1	
11	MANUAL SELECT KEYBOARD	A6G/6		25	TV MONITOR 14" PRECISION	C2/1	
12	SINGLE PBI SWITCH (ALT ACT)	D9/4A7		26	TV MONITOR 14" PRECISION	C2/1	
13	STATUS REPORTING	D9/1B		28	SOURCE INDICATOR (CSL)	D9/26B	
14	VOICE COMM POSITION-3506	V48MFD		31	7 DIGIT CLOCK	D8/3	



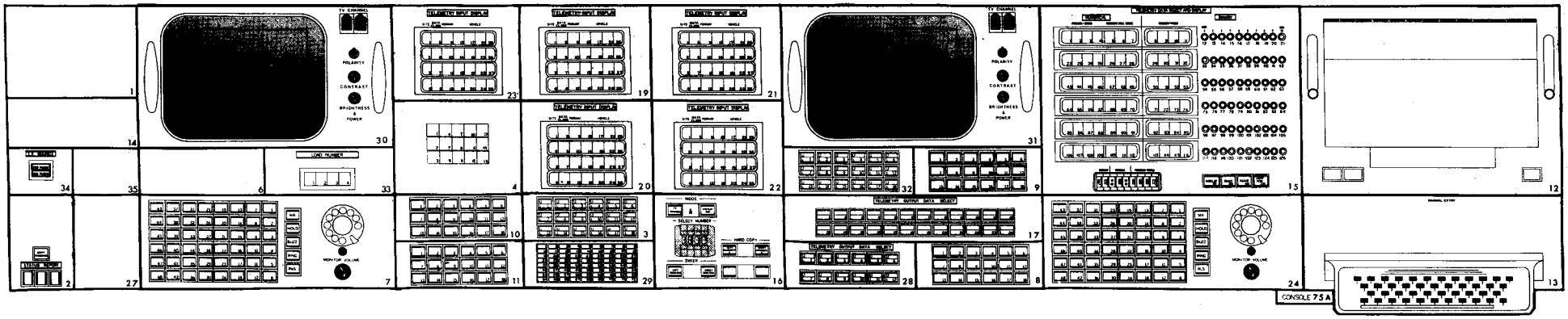
CMD LOAD/REAL TIME CONTROL
CONSOLE NO. 73A
ROOM NO. 118B

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3507	V48MFD		10	SWITCH MODULE	D9/40E	
02	BLANK PANEL	D11/14		11	LOAD NUMBER INDICATOR	D9/41A	
03	EVENT INDICATOR	D9/5B		12	SWITCH MODULE	D9/40E	
04	EVENT INDICATOR	D9/5B		13	SWITCH MODULE	D9/40E	
05	EVENT INDICATOR	D9/5B		14	SWITCH MODULE	D9/40E	
06	EVENT INDICATOR	D9/5B		15	BLANK PANEL	D11/16	
07	SWITCH MODULE	D9/40E		16	TELETYPE CONSOLE	STTY	
08	SWITCH MODULE	D9/40E		17	MANUAL ENTRY DEVICE		
09	SWITCH MODULE	D9/40E		18	BLANK PANEL	D11/14	



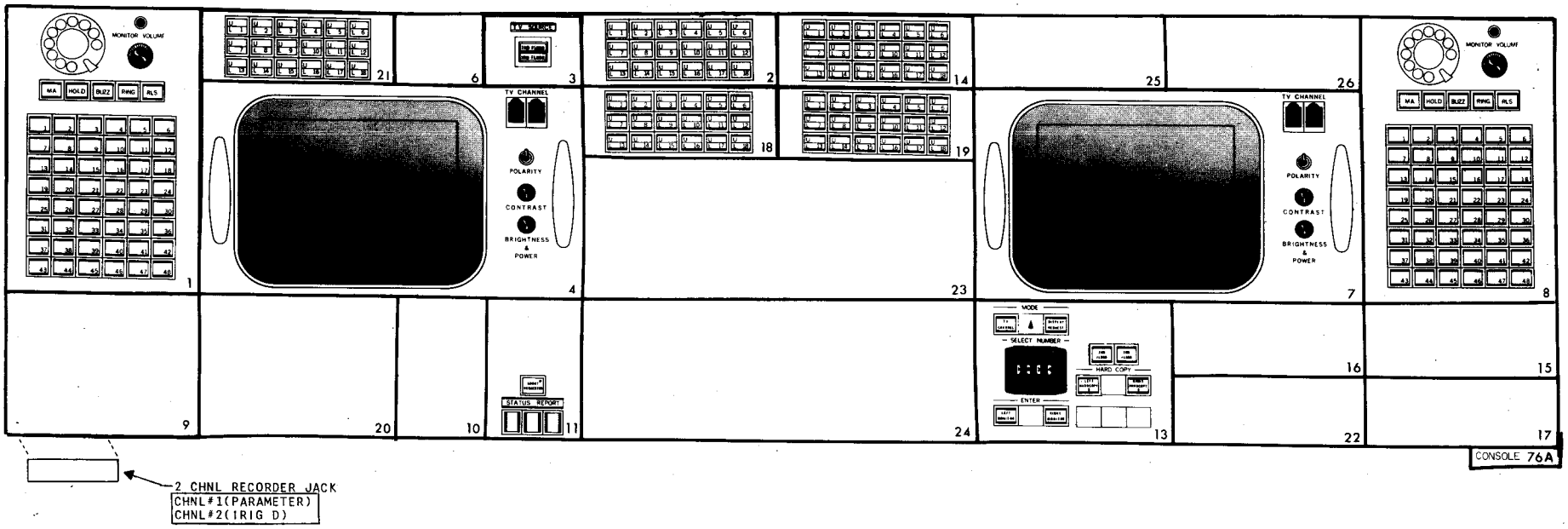
CCATS COMMAND CONTROL
CONSOLE NO. 74A
ROOM NO. 118B

LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/14	
02	STATUS REPORTING	D9/1B	
03	SWITCH MODULE	D9/U40C	
04	TM INPUT SELECT & DISPLAY	D9/45B	
06	BLANK PANEL	D11/6	
07	VOICE COMM POSITION-3508	H48MFD	
08	SWITCH MODULE	D9/5A4	
09	SWITCH MODULE	D9/40A	
10	SWITCH MODULE	D9/40A	
11	SWITCH MODULE	D9/40B	
12	CONSOLE TELETYPE	STTY	
13	MANUAL ENTRY DEVICE		
14	BLANK PANEL	D11/6	
15	TLM DATA SELECT & DISPLAY	D9/44	
16	MANUAL SELECT KEYBOARD	A6G/6	
17	TLM OUTPUT DATA SELECT	D9/12C	
19	TM INPUT SELECT & DISPLAY	D9/45	
20	TM INPUT SELECT & DISPLAY	D9/45	
21	TM INPUT SELECT & DISPLAY	D9/45	
22	TM INPUT SELECT & DISPLAY	D9/45	
23	TM INPUT SELECT & DISPLAY	D9/45	
24	VOICE COMM POSITION-3509	H48MFD	
27	BLANK PANEL	D11/13	
28	SWITCH MODULE	D9/23E	
29	EVENT INDICATOR (72)	D9/28	
30	PRECISION 14 TV MONITOR	C2/1	
31	PRECISION 14 TV MONITOR	C2/1	
32	SWITCH MODULE	D9/40C	
33	LOAD NUMBER INDICATOR	D9/41B	
34	SOURCE INDICATOR (CSL)	D9/26B	
35	BLANK PANEL	D11/5	



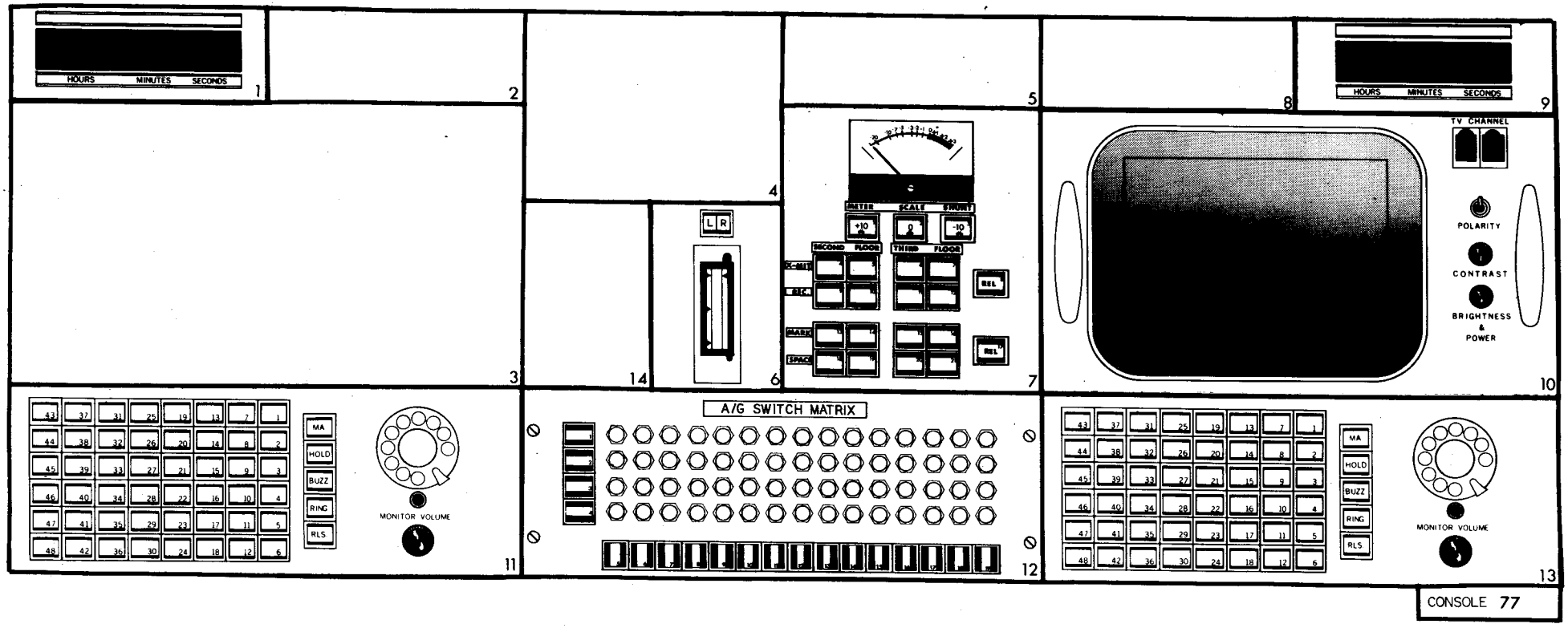
TLM INSTRUMENTATION CONTROL
CONSOLE NO 75A
ROOM NO 118B

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3510	V48MFD		15	BLANK PANEL	D11/6	
02	EVENT INDICATOR	D9/5B		16	BLANK PANEL	D11/6	
03	SOURCE INDICATOR (CSL)	D9/26B		17	BLANK PANEL	D11/6	
04	TV MONITOR 14" PRECISION	C2/1		18	SWITCH MODULE	D9/40A	
06	BLANK PANEL	D11/5		19	SWITCH MODULE	D9/40A	
07	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/14	
08	VOICE COMM POSITION-3511	V48MFD		21	EVENT INDICATOR	D9/5B	
09	BLANK PANEL	D11/14		22	BLANK PANEL	D11/6	
10	BLANK PANEL	D11/13		23	BLANK PANEL	D11/16	
11	STATUS REPORTING	D9/1B		24	BLANK PANEL	D11/16	
13	MANUAL SELECT KEYBOARD	A6G/4		25	BLANK PANEL	D11/6	
14	SWITCH MODULE	D9/40C		26	BLANK PANEL	D11/6	



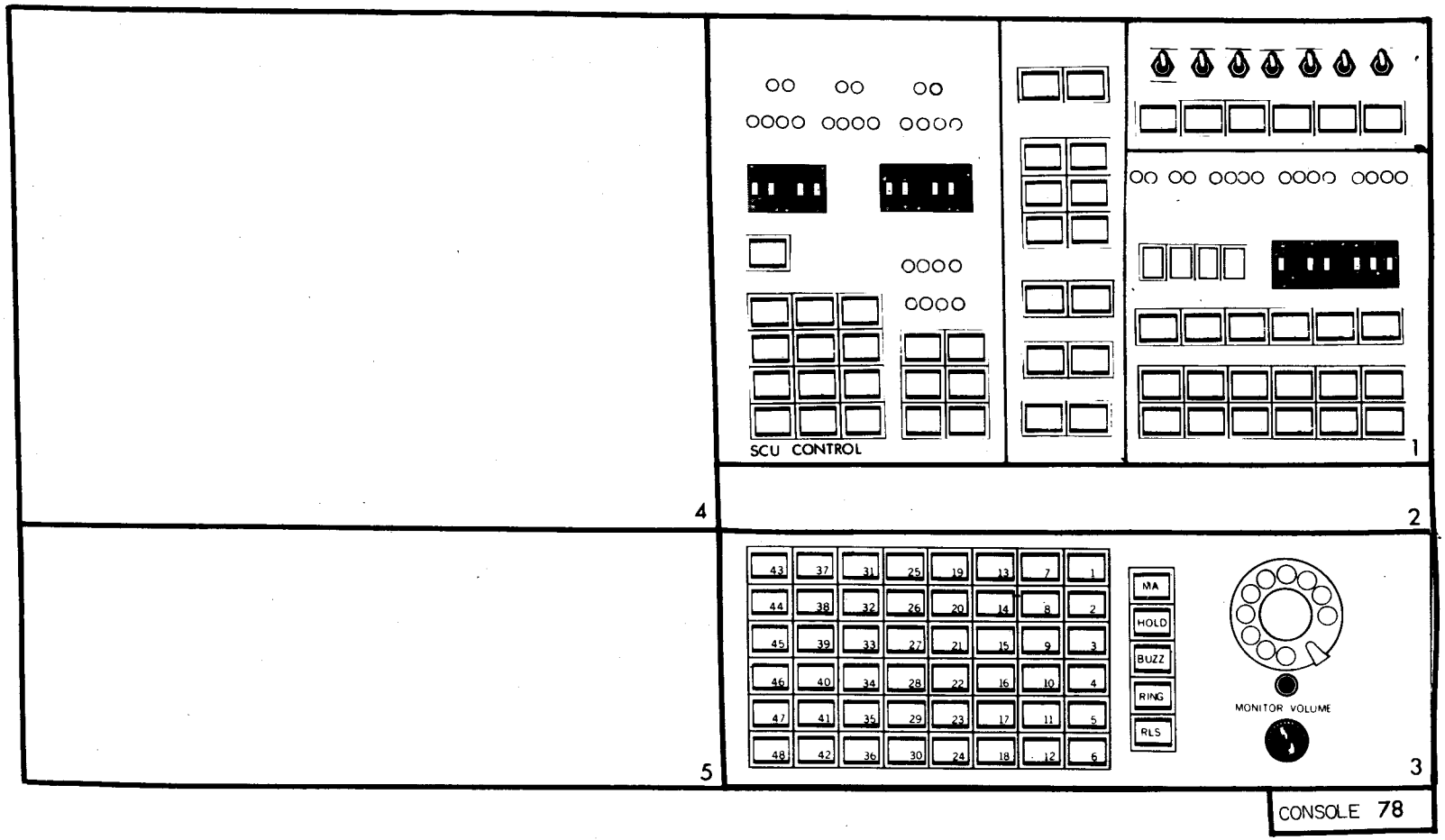
INST. TRKG. COORD
CONSOLE NO. 76A
ROOM NO. 118B

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	7 DIGIT CLOCK	D8/3		08	BLANK PANEL	D11/6	
02	BLANK PANEL	D11/6		09	6 DIGIT CLOCK	D8/1	
03	BLANK PANEL	D11/32		10	TV MONITOR 14" PRECISION	C2/1	
04	BLANK PANEL	D11/14		11	VOICE COMM POSITION-4499	H48-FD	
05	BLANK PANEL	D11/6		12	A/G SW MATRIX	D10/14	
06	ANALOG METER (1)	D9/298		13	VOICE COMM POSITION-4501	H48-FD	
07	VU METER-TONE KEYING	C3/3					



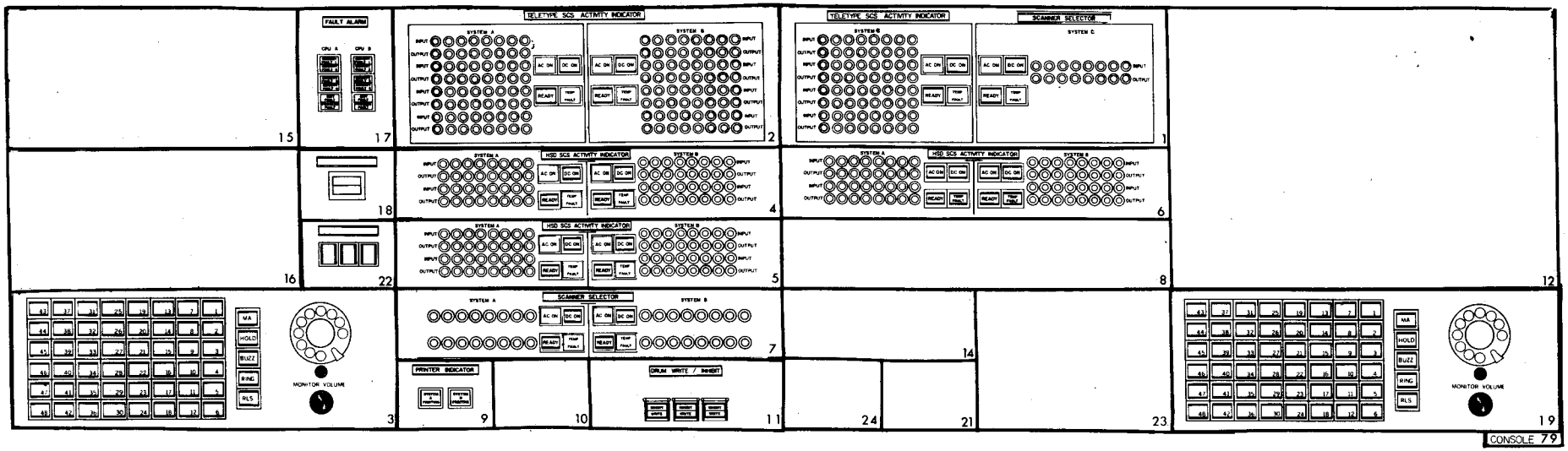
COMM TECH
CONSOLE NO. 77
ROOM NO. 118A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	INDICATOR/SWITCH	A8/A1		04	BLANK PANEL	D11/32	
02	BLANK PANEL	D11/4		05	BLANK PANEL	D11/16	
03	VOICE COMM POSITION-4555	H48 FD					



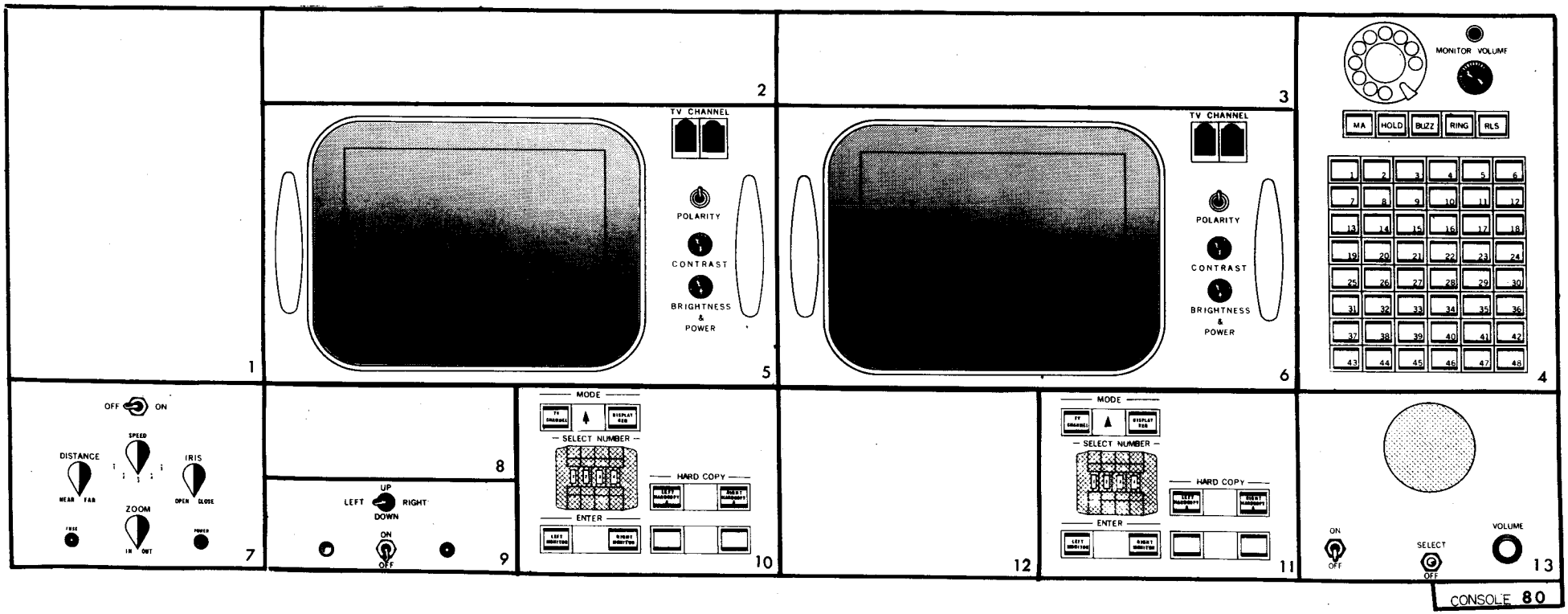
CCATS SYSTEM CONFIGURATION
CONSOLE NO. 78
ROOM NO. 116

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	TELETYPE SCS/SCAN SEL.	D9/30B		12	BLANK PANEL	D11/32	
02	TELETYPE SCS ACTIVITY	D9/30A		14	BLANK PANEL	D11/6	
03	VOICE COMM POSITION-4435	H48MFD		15	BLANK PANEL	D11/15	
04	HSD SCS ACTIVITY INDICATOR	D9/31A		16	BLANK PANEL	D11/15	
05	HSD SCS ACTIVITY INDICATOR	D9/31A		17	FAULT ALARM	D9/38	
06	HSD SCS ACTIVITY INDICATOR	D9/31A		18	SOURCE INDICATOR (CSL)	D9/26B	
07	SCANNER SELECTOR	D9/32		19	VOICE COMM POSITION-4436	H48MFD	
08	BLANK PANEL	D11/8		21	BLANK PANEL	D11/5	
09	PRINTER INDICATOR	D9/33		22	THREE PBI SWITCH	D9/2C	
10	BLANK PANEL	D11/5		23	BLANK PANEL	D11/14	
11	DRUM WRITE/INHIBIT	D9/2B		24	BLANK PANEL	D11/5	



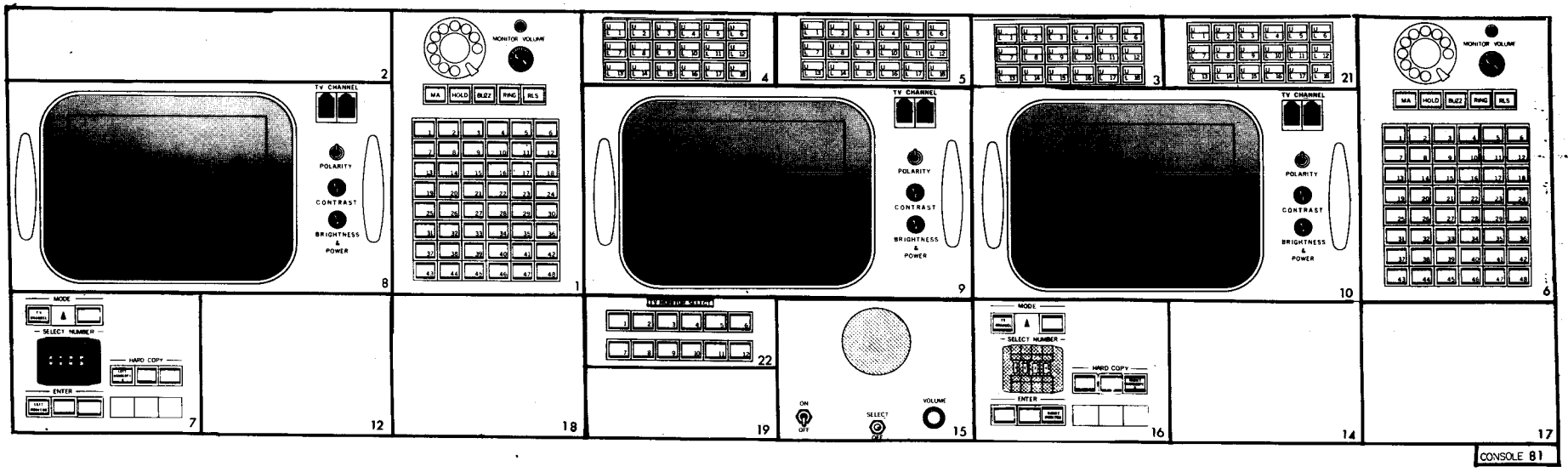
COMPUTER CONTROL
CONSOLE NO. 79
ROOM NO. 116

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/30		08	BLANK PANEL	D11/6	
02	BLANK PANEL	D11/8		09	PAN/TILT CONTROL	C1/3B	
03	BLANK PANEL	D11/8		10	MANUAL SELECT KEYBOARD	A6A/17	
04	VOICE COMM POSITION-4360	V48MFD		11	MANUAL SELECT KEYBOARD	A6A/18	
05	TV MONITOR 14" PRECISION	C2/1		12	BLANK PANEL	D11/14	
06	TV MONITOR 14" PRECISION	C2/1		13	VOICE COMM SPEAKER	C1/1	
07	ZOOM CONTROL	C1/3A					



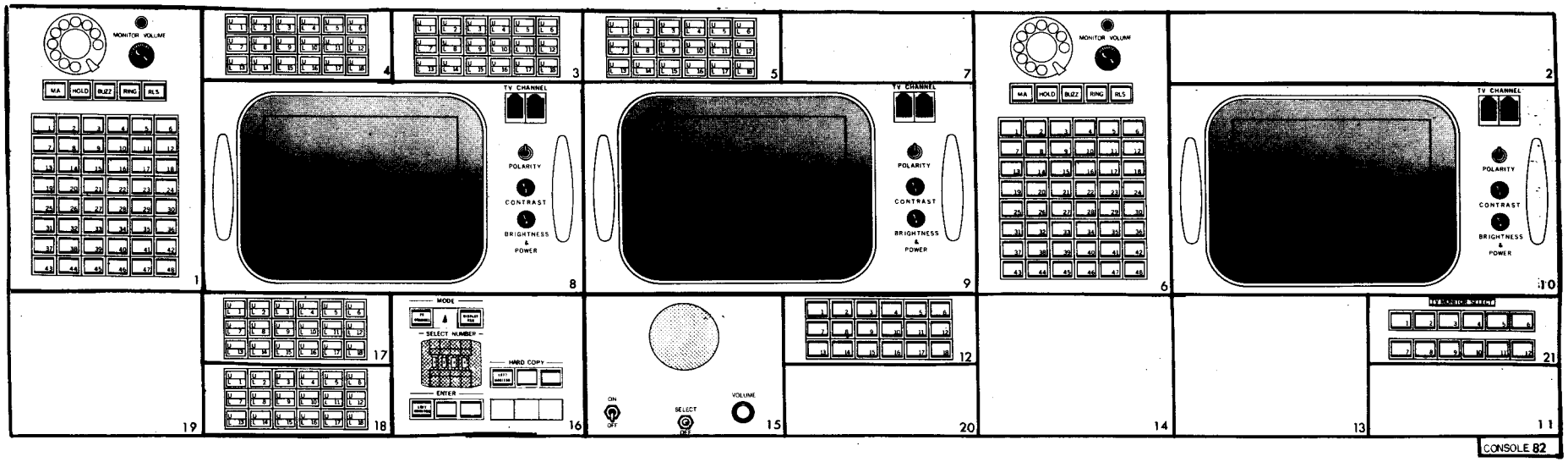
SCHEDULING
CONSOLE NO. 80
ROOM NO. 239

LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3150	V48-FD	
02	BLANK PANEL	D11/8	
03	EVENT INDICATOR	D9/5B	
04	EVENT INDICATOR	D9/5B	
05	EVENT INDICATOR	D9/5B	
06	VOICE COMM POSITION-3151	V48-FD	
07	MANUAL SELECT KEYBOARD	A6A/34	23
08	TV MONITOR 14" PRECISION	C2/1	
09	TV MONITOR 14" PRECISION	C2/1	
10	TV MONITOR 14" PRECISION	C2/1	
12	BLANK PANEL	D11/14	
14	BLANK PANEL	D11/14	
15	VOICE COMM SPEAKER	C1/1	
16	MANUAL SELECT KEYBOARD	A6A/34	
17	BLANK PANEL	D11/14	
18	BLANK PANEL	D11/14	
19	BLANK PANEL	D11/6	
21	EVENT INDICATOR	D9/5B	
22	TV MONITOR SELECT	D9/23M	23



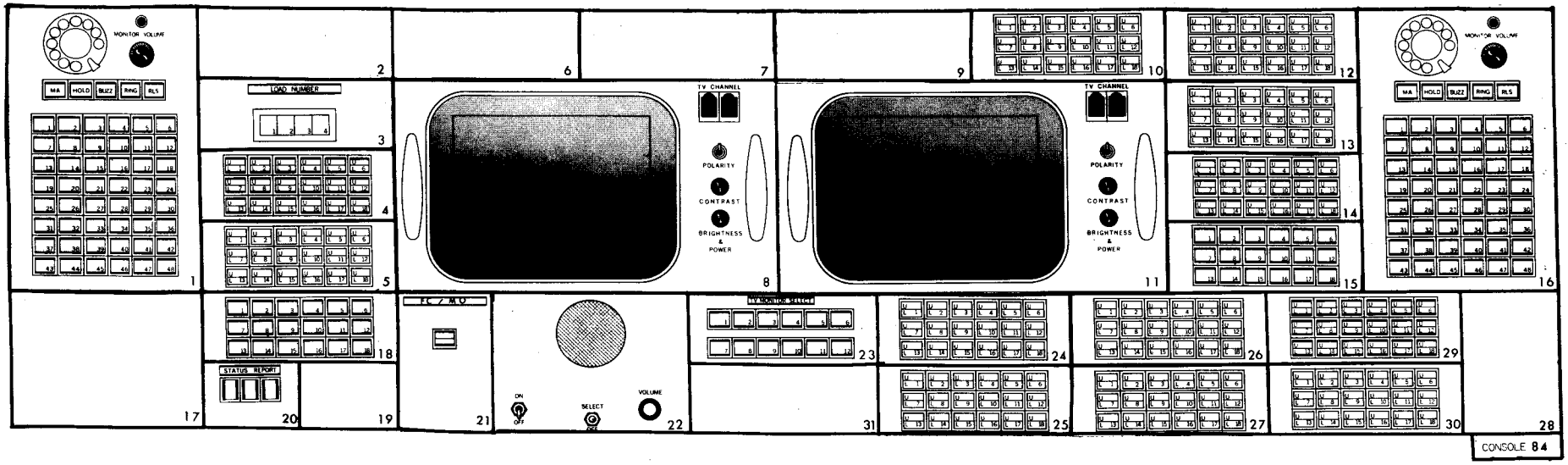
CSM PROGRAM OFFICE SUPPORT
CONSOLE NO. 81
ROOM NO. 312A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-3152	V48-FD		12	SWITCH MODULE	D9/5C7	23
02	BLANK PANEL	D11/8		13	BLANK PANEL	D11/14	
03	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/14	
04	EVENT INDICATOR	D9/5B		15	VOICE COMM SPEAKER	C1/1	
05	EVENT INDICATOR	D9/5B		16	MANUAL SELECT KEYBOARD	A6A/34	
06	VOICE COMM POSITION-3153	V48-FD		17	EVENT INDICATOR	D9/5B	
07	BLANK PANEL	D11/6		18	EVENT INDICATOR	D9/5B	
08	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/14	
09	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/6	
10	TV MONITOR 14" PRECISION	C2/1		21	TV MONITOR SELECT	D9/23N	23
11	BLANK PANEL	D11/6					



LM PROGRAM OFFICE SUPPORT
CONSOLE NO. 82
ROOM NO. 312A

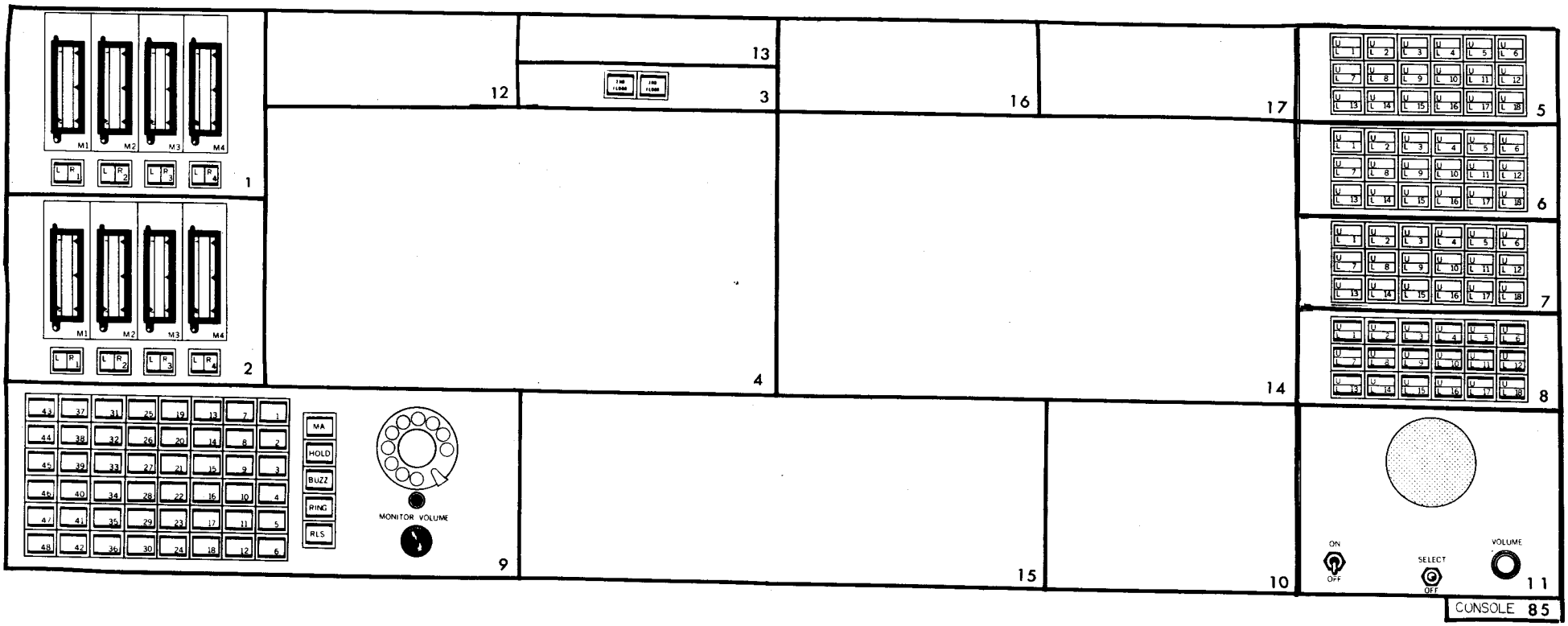
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4410	V48MFD		17	BLANK PANEL	D11/14	
02	BLANK PANEL	D11/6		18	SWITCH MODULE	D9/5C5	
03	LOAD NUMBER INDICATOR	D9/41A		19	BLANK PANEL	D11/5	
04	SWITCH MODULE	D9/5C2		20	THREE PBI SWITCH	D9/2A	
05	EVENT INDICATOR	D9/5B		21	SINGLE PBI SWITCH	D9/4A4	
06	BLANK PANEL	D11/6		22	VOICE COMM SPEAKER	C1/1	
07	BLANK PANEL	D11/6		23	SWITCH MODULE	D9/23L	
08	TV MONITOR 14" PRECISION	C2/1		24	EVENT INDICATOR	D9/5B	
09	BLANK PANEL	D11/6		25	EVENT INDICATOR	D9/5B	
10	EVENT INDICATOR	D9/5B		26	EVENT INDICATOR	D9/5B	
11	TV MONITOR 14" PRECISION	C2/1		27	EVENT INDICATOR	D9/5B	
12	EVENT INDICATOR	D9/5B		28	BLANK PANEL	D11/13	
13	EVENT INDICATOR	D9/5B		29	SWITCH MODULE	D9/5A2	
14	SWITCH MODULE	D9/5C2		30	EVENT INDICATOR	D9/5B	
15	SWITCH MODULE	D9/5C1		31	BLANK PANEL	D11/6	
16	VOICE COMM POSITION-4411	V48MFD					



ALSEP COMPUTER CONTROLLER
CONSOLE NO. 84
ROOM NO. 112

03-26-71

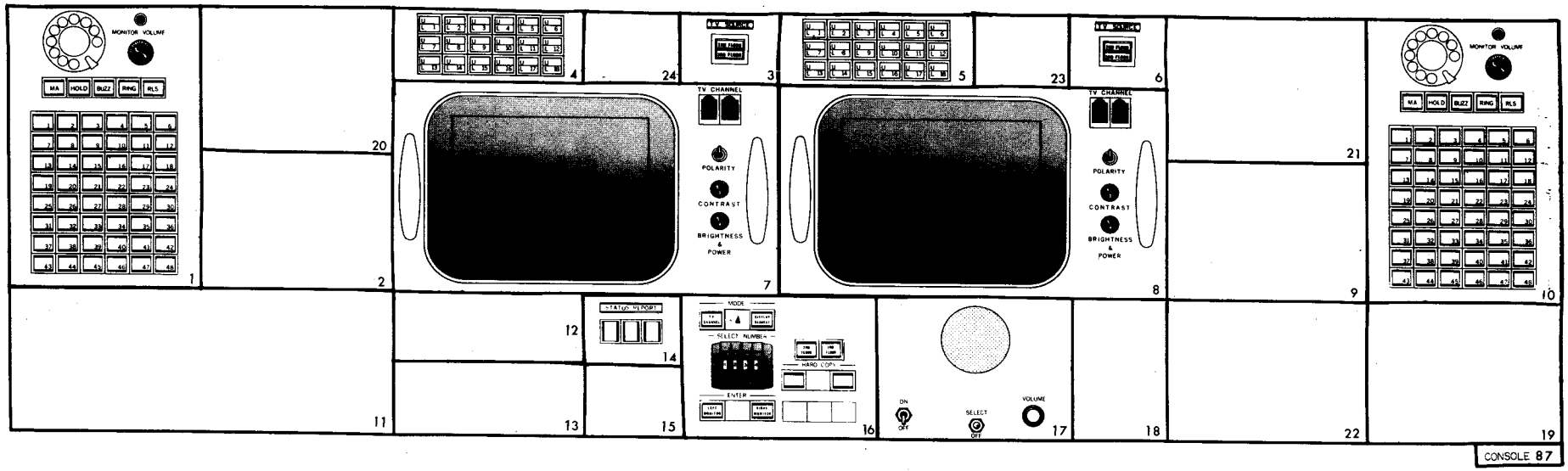
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	ANALOG METERS (4)	D9/29A		10	BLANK PANEL	D11/14	
02	ANALOG METERS (4)	D9/29A		11	VOICE COMM SPEAKER	C1/1	
03	TWO PBI SWITCH	D9/4E2		12	BLANK PANEL	D11/6	
04	BLANK PANEL	D11/32		13	BLANK PANEL	D11/2	
05	EVENT INDICATOR	D9/5B		14	BLANK PANEL	D11/32	
06	EVENT INDICATOR	D9/5B		15	BLANK PANEL	D11/16	
07	EVENT INDICATOR	D9/5B		16	BLANK PANEL	D11/6	
08	SWITCH MODULE	D9/5C6		17	BLANK PANEL	D11/6	
09	VOICE COMM POSITION-4365	H48MFD					



ALSEP INTERFACE ENGINEER
CONSOLE NO. 85
ROOM NO. 242

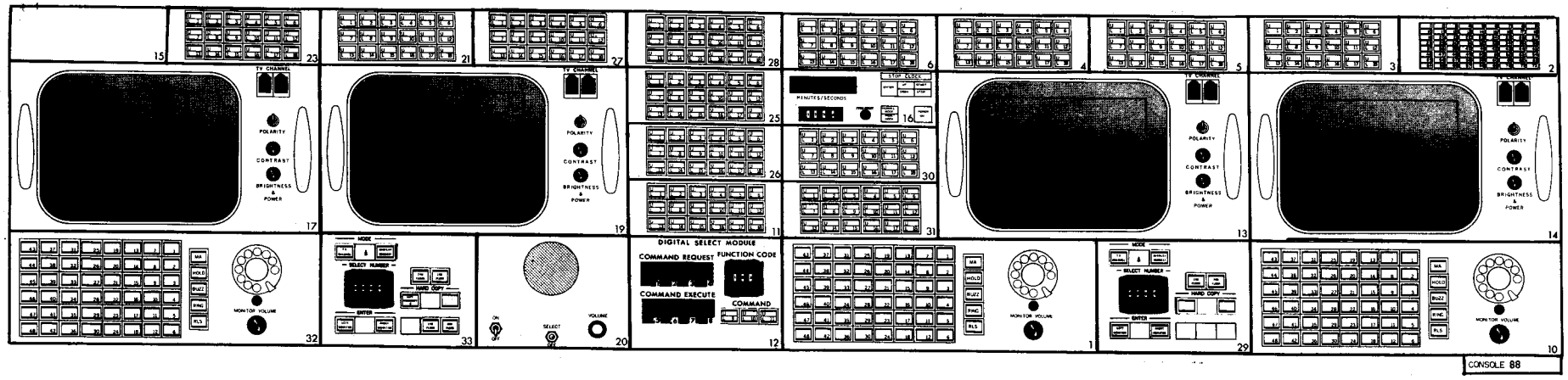
TR155 I-02-85-01

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4125	V48-FD		13	BLANK PANEL	D11/6	
02	BLANK PANEL	D11/14		14	THREE PBI SWITCH	D9/2A	
03	SOURCE INDICATOR (CSL)	D9/26C		15	BLANK PANEL	D11/5	
04	EVENT INDICATOR	D9/5B		16	MANUAL SELECT KEYBOARD	A6G/10	
05	EVENT INDICATOR	D9/5B		17	VOICE COMM SPEAKER	C1/1	
06	SOURCE INDICATOR (CSL)	D9/26C		18	BLANK PANEL	D11/13	
07	TV MONITOR 14" PRECISION	C2/1		19	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		20	BLANK PANEL	D11/14	
09	BLANK PANEL	D11/14		21	BLANK PANEL	D11/14	
10	VOICE COMM POSITION-4126	V48-FD		22	BLANK PANEL	D11/14	
11	BLANK PANEL	D11/16		23	BLANK PANEL	D11/5	
12	BLANK PANEL	D11/6		24	BLANK PANEL	D11/5	



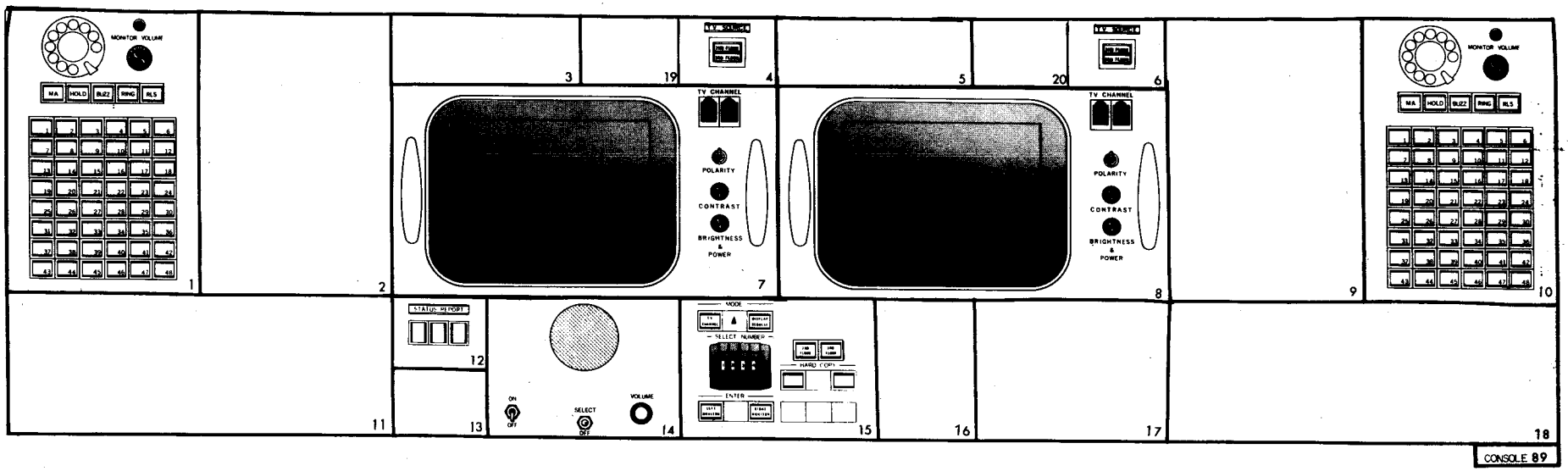
ALSEP LSPO REPRESENTATIVE
CONSOLE NO. 87
ROOM NO. 314A

LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4140	H48-FD	
02	EVENT INDICATOR (72)	D9/28	
03	EVENT INDICATOR	D9/5B	
04	EVENT INDICATOR	D9/5B	
05	EVENT INDICATOR	D9/5B	
06	EVENT INDICATOR	D9/5B	
10	VOICE COMM POSITION-4141	H48-FD	
11	COMMAND CONTROL	D9/5F6	
12	DIGITAL SELECT	A7/A1	
13	TV MONITOR 14" PRECISION	C2/1	
14	TV MONITOR 14" PRECISION	C2/1	
15	BLANK PANEL	D11/6	
16	STOP CLOCK (4 DIGIT)	B12/3	
17	TV MONITOR 14" PRECISION	C2/1	
19	TV MONITOR 14" PRECISION	C2/1	
20	VOICE COMM SPEAKER	C1/1	
21	EVENT INDICATOR	D9/5B	
23	SWITCH MODULE	D9/5C1	
25	SWITCH MODULE	D9/5C1	
26	SWITCH MODULE	D9/5C1	
27	SWITCH MODULE	D9/5C1	
28	SWITCH MODULE	D9/5C1	
29	MANUAL SELECT KEYBOARD	A6G/10	
30	EVENT INDICATOR	D9/5B	
31	SWITCH MODULE	D9/5C1	23
32	VOICE COMM POSITION-4146	H48-FD	
33	MANUAL SELECT KEYBOARD	A6G/9	



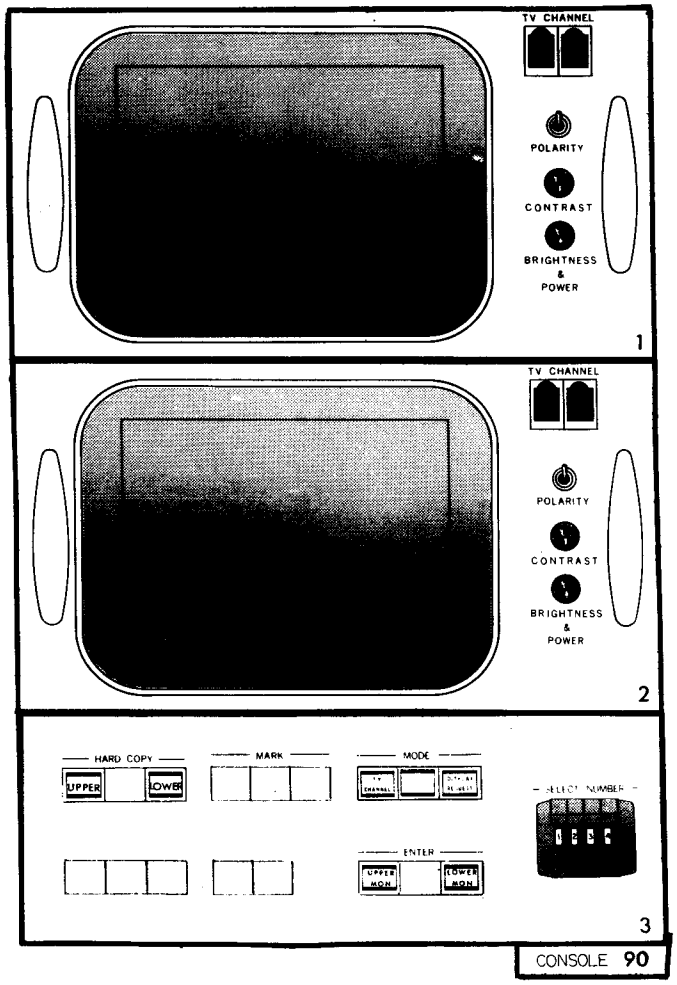
P & FS/ALSEP
CONSOLE NO. 88
ROOM NO. 314B

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	VOICE COMM POSITION-4127	V48-FD		11	BLANK PANEL	D11/16	
02	BLANK PANEL	D11/30		12	THREE PBI SWITCH	D9/2A	
03	BLANK PANEL	D11/6		13	BLANK PANEL	D11/5	
04	SOURCE INDICATOR (CSL)	D9/26C		14	VOICE COMM SPEAKER	C1/1	
05	BLANK PANEL	D11/6		15	MANUAL SELECT KEYBOARD	A6G/10	
06	SOURCE INDICATOR (CSL)	D9/26C		16	BLANK PANEL	D11/13	
07	TV MONITOR 14" PRECISION	C2/1		17	BLANK PANEL	D11/14	
08	TV MONITOR 14" PRECISION	C2/1		18	BLANK PANEL	D11/16	
09	BLANK PANEL	D11/30		19	BLANK PANEL	D11/5	
10	VOICE COMM POSITION-4128	V48-FD		20	BLANK PANEL	D11/5	



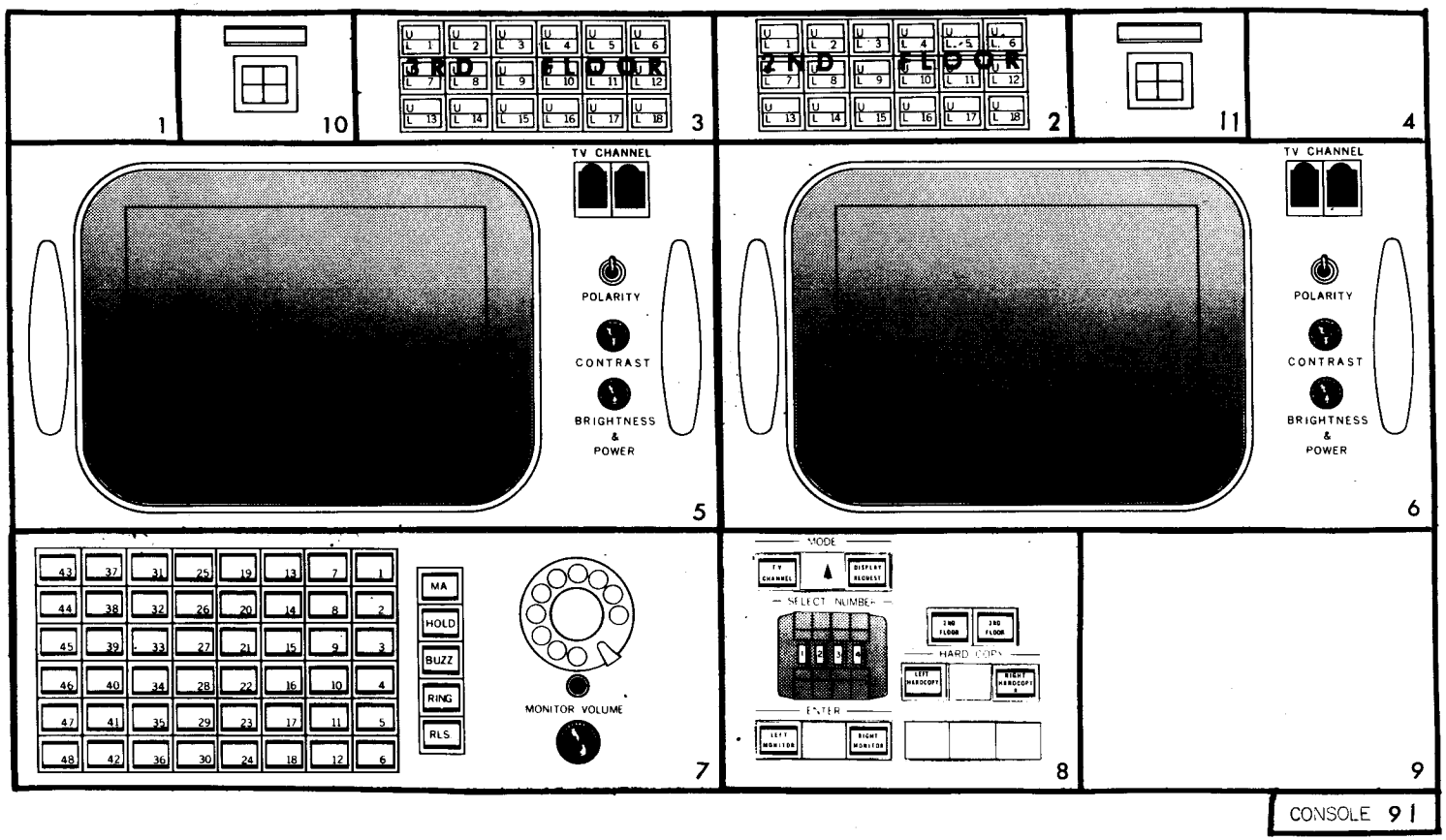
ALSEP PRIN. INVESTIGATORS
CONSOLE NO. 89
ROOM NO. 314A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	TV MONITOR 14" PRECISION	C2/1		03	MANUAL SELECT KEYBOARD	A6F/1	
02	TV MONITOR 14" PRECISION	C2/1					



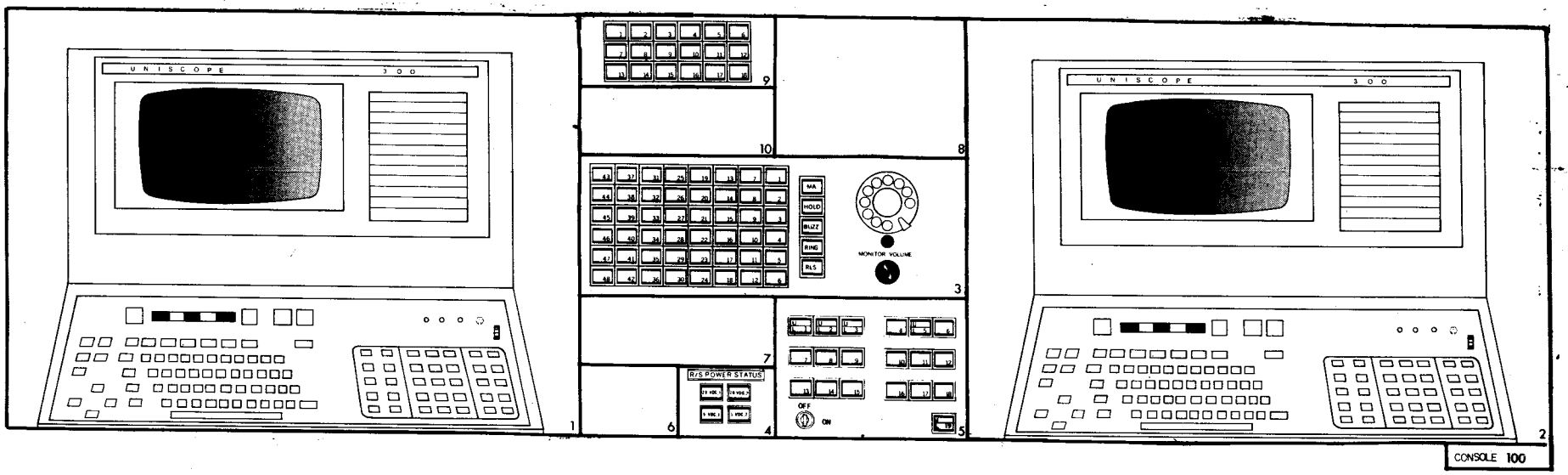
RTCC MOBILE CONSOLE
CONSOLE NO. 90
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	BLANK PANEL	D11/5		07	VOICE COMM POSITION-4412	H48-HD	
02	EVENT INDICATOR	D9/5B		08	MANUAL SELECT KEYBOARD	A6G/6	
03	EVENT INDICATOR	D9/5B		09	BLANK PANEL	D11/14	
04	BLANK PANEL	D11/5		10	SOURCE INDICATOR (CSL)	D9/26B	
05	TV MONITOR 14" PRECISION	C2/1		11	SOURCE INDICATOR (CSL)	D9/26B	
06	TV MONITOR 14" PRECISION	C2/1					



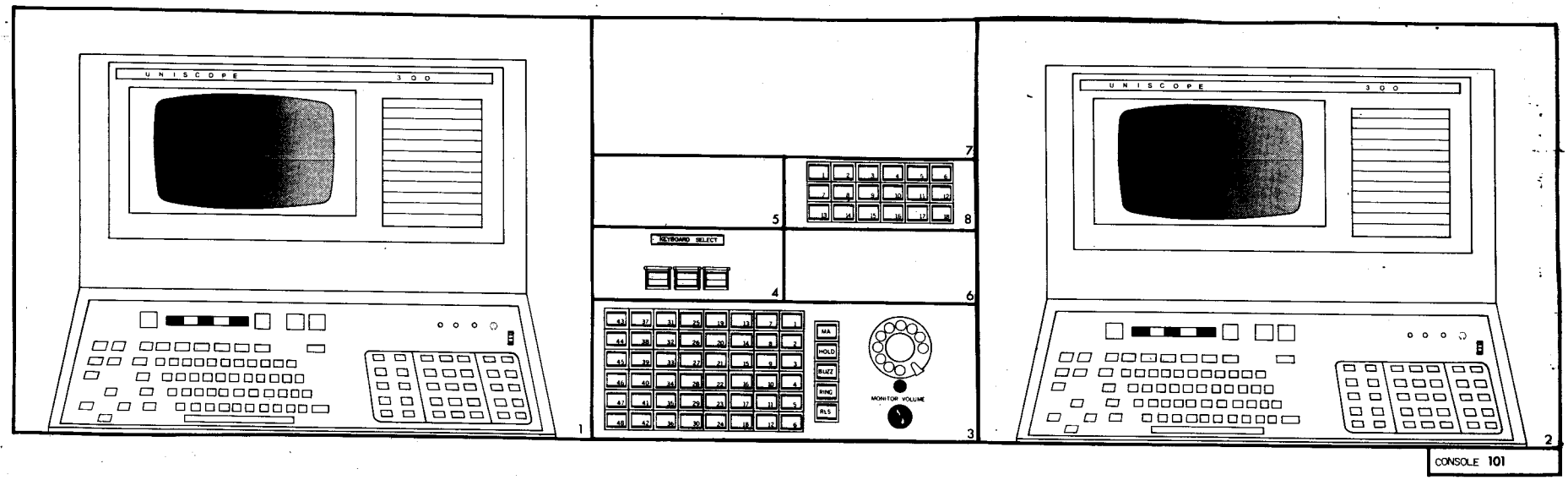
RTCC SELECT SUPPORT
CONSOLE NO. 91
ROOM NO. 112

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		06	BLANK PANEL	D11/5	
02	UNISCOPE	C2/7		07	BLANK PANEL	D11/6	
03	VOICE COMM POSITIONM460	H48-FD		08	BLANK PANEL	D11/14	
04	POWER SUPPLY STATUS	D9/3D		09	SWITCH MODULE	D9/5A2	23
05	RESTART CONTROL	D9/11A		10	BLANK PANEL	D11/6	



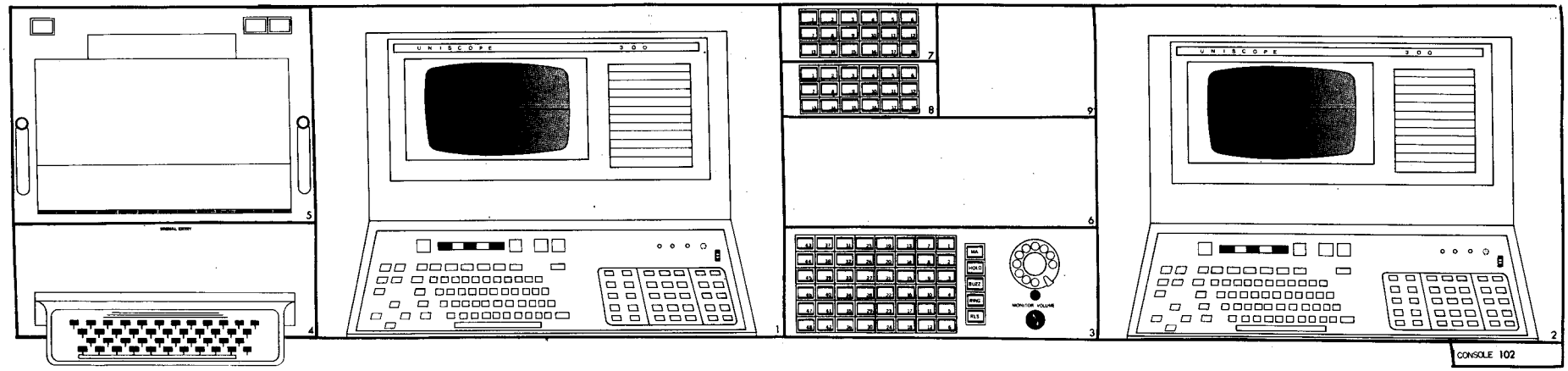
CPC
CONSOLE NO. 100
ROOM NO. 116A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		05	BLANK PANEL	D11/6	
02	UNISCOPE	C2/7		06	BLANK PANEL	D11/6	
03	VOICE COMM POSITIONM461	H48-FD		07	BLANK PANEL	D11/16	
04	THREE PBI SWITCH	D9/2E		08	SWITCH MODULE	D9/5A2	23



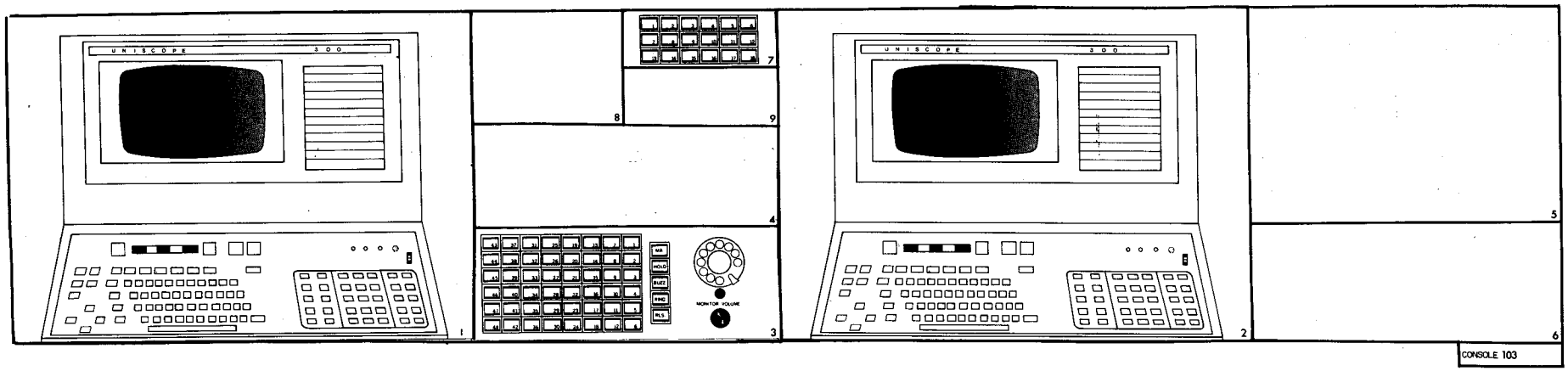
TRACKING SUPPORT
CONSOLE NO. 101
ROOM NO. 116A

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		06	BLANK PANEL	D11/16	
02	UNISCOPE	C2/7		07	SWITCH MODULE	D9/5A2	23
03	VOICE COMM POSITIONM462	H48-FD		08	SWITCH MODULE	D9/5A2	23
04	MANUAL ENTRY DEVICE			09	BLANK PANEL	D11/14	
05	TELETYPE CONSOLE	STTY					



TLM SUPPORT
CONSOLE NO. 102
ROOM NO. 116A

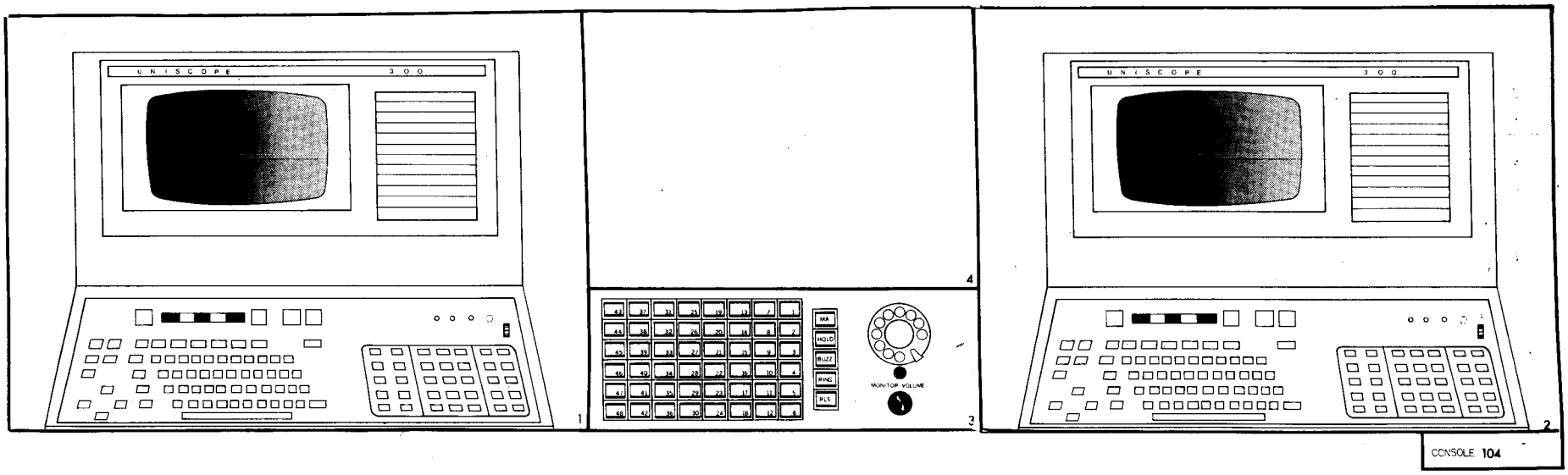
LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		06	BLANK PANEL	D11/16	
02	UNISCOPE	C2/7		07	SWITCH MODULE	D9/5A2	23
03	VOICE COMM POSITIONM463	H48-FD		08	BLANK PANEL	D11/14	
04	BLANK PANEL	D11/16		09	BLANK PANEL	D11/6	
05	BLANK PANEL	D11/32					



CMD SUPPORT
CONSOLE NO. 103
ROOM NO. 116A

03-26-71

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		03	VOICE COMM POSITIONM465	H48MFD	
02	UNISCOPE	C2/7		04	BLANK PANEL	D11/32	

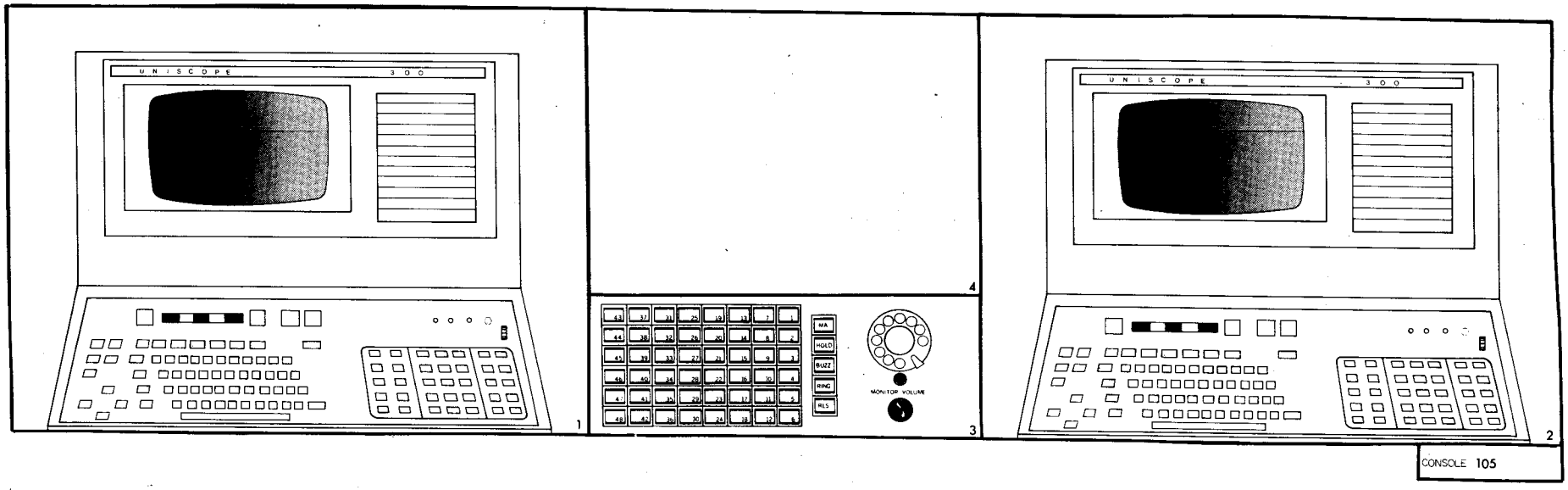


CISS TLM
CONSOLE NO. 104
ROOM NO. 116A

TR155 I-02104-01

03-26-71

LOC	DESCRIPTION	TYPE	NOTE	LOC	DESCRIPTION	TYPE	NOTE
01	UNISCOPE	C2/7		03	VOICE COMM POSITIONM466	H48-FD	
02	UNISCOPE	C2/7		04	BLANK PANEL	D11/32	



CISS CMD
CONSOLE NO. 105
ROOM NO. 116A

TR155 I-02105-01

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
GD	02					043B	20
GD	03	01		GMT CLOCK		137G	
GD	03	01		GMT	MITE	137G	
GD	03	02		MO		176M	
GD	03	02		DAY		089D	
GD	03	02		HR		080H	
GD	03	02		MIN		177M	
GD	03	02		SEC		369S	
GD	04			PROCEED/HOLD		032P	
GD	04	03		TIME LABEL		056T	
GD	04	03				043B	
GD	04	03		AMR	RTA	089A	
GD	04	03		GET	RTA	085G	
GD	04	03		ETR	RTA	021E	
GD	04	04		HR		080H	
GD	04	04		MIN		177M	
GD	04	04		SEC		369S	
GD	05	03		TIME LABEL		056T	
GD	05	03				043B	
GD	05	03	W	TB5	MOC	GMW1D02	03
GD	05	04		HR		080H	
GD	05	04		MIN		177M	
GD	05	04		SEC		369S	
GD	06	01	W	SOURCE	MOC	078S	
GD	06	01	R	NO GO	MOC	603NA	
GD	06	01	G	GO	MOC	606GA	
GD	06	02	W	SAT	MOC	605SA	
GD	06	02	W	APL	MOC	608AA	
GD	06	02	W	IPS	MOC	608IA	
GD	06	02	W	IPR	MOC	606IA	
GD	06	02	W	SHIP	MOC	606SA	
GD	06	02	W	USB	MOC	600UB	
GD	06	02	W	AGS + (MSFN)	MOC	008A	
GD	06	02	W	PNGS + (MSFN)	MOC	114R	
GD	06	02	W	PNGS + (AGS)	MOC	114T	
GD	06	03		(UNASSIGNED)	MOC	043U	
GD	06	03	R	NO GO	MOC	603NB	
GD	06	03	G	GO	MOC	606GB	
GD	06	04	W	SAT	MOC	605SB	
GD	06	04	W	MODE I	MOC	607MB	
GD	06	04	W	MODE II	MOC	608MB	
GD	06	04	W	MODE III	MOC	609MB	
GD	06	04	W	ORBIT	MOC	014OA	
GD	06	04	W	REENTRY	MOC	017R	
GD	06	04	W	(AGS +) MSFN	MOC	008A	
GD	06	04	W	(PNGS +) MSFN	MOC	114R	
GD	06	04	W	(PNGS +) AGS	MOC	114T	
GD	06	05	W	S/C	MOC	210S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
GD	06	05	R	NO GO	MOC	603NC	
GD	06	05	G	GO	MOC	606GC	
GD	07					043B	20
GD	08	02		TIME LABEL		056T	
GD	08	02				043B	
GD	08	02	W	PLSS-1	RTA	133P	
GD	08	02	W	ENTRY	RTA	015E	
GD	08	02	W	AOS-CM	RTA	303A	
GD	08	02	W	LOS-CM	RTA	283L	
GD	08	02	W	H/O	RTA	003H	
GD	08	02	W	IGN	RTA	121I	
GD	08	02	W	PAD-CD	RTA	132P	
GD	08	02	W	GET	RTA	085G	
GD	08	02	W	MCC-CD	RTA	183M	
GD	08	02	W	AOS-LM	RTA	303A	
GD	08	02	W	LOS-LM	RTA	283L	
GD	08	02	W	AWAKE	RTA	306A	
GD	08	03				043B	
GD	08	03		TIME LABEL		056T	
GD	08	03				043B	
GD	08	03	W	ΔTB	RTA	102D	38
GD	08	03	W	GMT	RTA	137G	
GD	08	03	W	AOS-CM	RTA	303A	
GD	08	03	W	LOS-CM	RTA	283L	
GD	08	03	W	ET	RTA	004E	
GD	08	03	W	IGN	RTA	121I	
GD	08	03	W	PLSS-2	RTA	133P	
GD	08	03	W	NET-CD	RTA	472N	
GD	08	03	W	OPS	RTA	0010	
GD	08	03	W	AOS-LM	RTA	303A	
GD	08	03	W	LOS-LM	RTA	283L	
GD	08	03	W	LNDG	RTA	001L	
GD	08	04		HR		080H	
GD	08	04		MIN		177M	
GD	08	04		SEC		369S	
GD	20	01		TIME LABEL		056T	
GD	20	01				043B	
GD	20	01	W	PLSS-1	RTA	133P	
GD	20	01	W	ENTRY	RTA	015E	
GD	20	01	W	AOS-CM	RTA	303A	
GD	20	01	W	LOS-CM	RTA	283L	
GD	20	01	W	H/O	RTA	003H	
GD	20	01	W	IGN	RTA	121I	
GD	20	01	W	PAD-CD	RTA	132P	
GD	20	01	W	GET	RTA	085G	
GD	20	01	W	MCC-CD	RTA	183M	
GD	20	01	W	AOS-LM	RTA	303A	
GD	20	01	W	LOS-LM	RTA	283L	
GD	20	01	W	AWAKE	RTA	306A	
GD	20	02				043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
GD	20	02		TIME LABEL		056T	
GD	20	02				043B	
GD	20	02	W	ΔTB	RTA	102D	38
GD	20	02	W	GMT	RTA	137G	
GD	20	02	W	AOS-CM	RTA	303A	
GD	20	02	W	LOS-CM	RTA	283L	
GD	20	02	W	ET	RTA	004E	
GD	20	02	W	IGN	RTA	121I	
GD	20	02	W	PLSS-2	RTA	133P	
GD	20	02	W	NET-CD	RTA	472N	
GD	20	02	W	OPS	RTA	0010	
GD	20	02	W	AOS-LM	RTA	303A	
GD	20	02	W	LOS-LM	RTA	283L	
GD	20	02	W	LNDG	RTA	001L	
GD	20	02				043B	
GD	20	03		TIME LABEL		056T	
GD	20	03				043B	
GD	20	03		GMT	MITE	137G	
GD	20	03				043B	
GD	20	04		MO		176M	
GD	20	04		DAY		089D	
GD	20	04		HR		080H	
GD	20	04		MIN		177M	
GD	20	04		SEC		369S	
GD	21	03		TIME LABEL		056T	
GD	21	03				043B	
GD	21	03	W	AMR	RTA	089A	03
GD	21	03	W	GET	RTA	085G	
GD	21	03	W	ETR	RTA	021E	
GD	21	03				043B	
GD	21	04		HR		080H	
GD	21	04		MIN		177M	
GD	21	04		SEC		369S	
GD	22	03		TIME LABEL		056T	
GD	22	03				043B	
GD	22	03	W	TB5		GMW1D02	05
GD	22	03				043B	
GD	22	04		HR		080H	
GD	22	04		MIN		177M	
GD	22	04		SEC		369S	
GD	30	01	W	SOURCE		078S	04
GD	30	01	R	NO GO		603NA	04
GD	30	01	G	GO		606GA	04
GD	30	02	W	SAT		605SA	04
GD	30	02	W	APL		608AA	04
GD	30	02	W	IPS		608IA	04
GD	30	02	W	IPR		606IA	04
GD	30	02	W	SHIP		606SA	04
GD	30	02	W	USB		600UB	04
GD	30	02	W	AGS + (MSFN)		008A	04

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
GD	30	02	W	PNGS + (MSFN)		114R	04
GD	30	02	W	PNGS + (AGS)		114T	04
GD	30	03		(UNASSIGNED)	MOC	043U	
GD	30	03	R	NO GO		603NB	04
GD	30	03	G	GO		606GB	04
GD	30	04	W	SAT		605SB	04
GD	30	04	W	MODE I		607MB	04
GD	30	04	W	MODE II		608MB	04
GD	30	04	W	MODE III		609MB	04
GD	30	04	W	ORBIT		0140A	04
GD	30	04	W	REENTRY	MOC	017R	
GD	30	04	W	(AGS +) MSFN		008A	04
GD	30	04	W	(PNGS +) MSFN		114R	04
GD	30	04	W	(PNGS +) AGS		114T	04
GD	30	05	W	S/C		210S	04
GD	30	05	R	NO GO		603NC	04
GD	30	05	G	GO		606GC	04

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
02	03	01	R	BOOSTER * SYSTEMS	PBI	10-14	
02	03	01	A	* ENGINEER		10-14	
02	03	01	G			043B	
02	03	02	R	RETROFIRE * OFFICER	PBI	13-09	
02	03	02	A			043B	
02	03	02	G			043B	
02	03	03	R	FLIGHT * DYNAMICS * OFFICER	PBI	11-18	
02	03	03	A			043B	
02	03	03	G			043B	
02	03	04	R	GUIDANCE * OFFICER	PBI	12-11	
02	03	04	A			043B	
02	03	04	G			043B	
02	03	05		(BLANK)		043U	
02	03	06		(BLANK)		043U	
02	03	07	R	FLIGHT * SURGEON	PBI	05-12	
02	03	07	A			043B	
02	03	07	G			043B	
02	03	08	R	CAPCOM	PBI	06-14	
02	03	08	A			043B	
02	03	08	G			043B	
02	03	09	R	CSM * EECOM	PBI	07-13	
02	03	09	A			043B	
02	03	09	G			043B	
02	03	10	R	CSM * GNC	PBI	08-12	
02	03	10	A			043B	
02	03	10	G			043B	
02	03	11	R	LM * TELMU	PBI	09-15	
02	03	11	A			043B	
02	03	11	G			043B	
02	03	12	R	LM * CONTROL	PBI	16-13	
02	03	12	A			043B	
02	03	12	G			043B	
02	03	13	R	PROCEDURES * /INCO	PBI	04-08	
02	03	13	A			043B	
02	03	13	G			043B	
02	03	14	R	ASSISTANT * FLIGHT	PBI	03-08	
02	03	14	A	* DIRECTOR		03-08	
02	03	14	G			043B	
02	03	15	R	FAO/EAO	PBI	17-11	
02	03	15	A			043B	
02	03	15	G			043B	
02	03	16	R	NETWORK * CONTROLLER	PBI	18-10	
02	03	16	A			043B	
02	03	16	G			043B	
02	03	17	R	RECOVERY * COORD	PBI	54-12	
02	03	17	A			043B	
02	03	17	G			043B	
02	03	18	R	RTCC * COMPUTER *	PBI	48A-17	
02	03	18	A	SUPERVISOR		48A-17	
02	03	18	G			043B	
02	10	01		RSO	PBI	255R	09

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
02	11			ABORT LIGHT "ON"		310A	65
02	11			CMD RECEIVED		310A	65
02	11					043B	
02	11	01U	W	CMD	CCATS	035C	
02	11	01L	W	RCVD	CCATS	004R	
02	11	02U		A ON (UPPER POSITION)	C/CIM	096A	85
02	11	02C		NEUTRAL (CENTER POSITION)	C/CIM	008N	
02	11	02L		B ON (LOWER POSITION)	C/CIM	164B	86
02	11	03U	G	FC	CCATS	002F	
02	11	03L	R	M&O	CCATS	001M	
02	12			ABORT RESET		001A	65
02	12					043B	
02	12	01	W	LOGIC * CLEAR	CCATS	246L	66
02	12	02	W	ABRT SW * CCATS * TEST	CCATS	272A	
02	13					043B	20
02	13					043B	34
02	13	01U		(BLANK)	MOC	043U	
02	13	01L		(BLANK)	MOC	043U	
02	13	02U		(BLANK)	MOC	043U	
02	13	02L		(BLANK)	MOC	043U	
02	13	03U		(BLANK)	MOC	043U	
02	13	03L		(BLANK)	MOC	043U	
02	13	04U		(BLANK)	MOC	043U	
02	13	04L		(BLANK)	MOC	043U	
02	13	05U		(BLANK)	MOC	043U	
02	13	05L		(BLANK)	MOC	043U	
02	13	06U		(BLANK)	MOC	043U	
02	13	06L		(BLANK)	MOC	043U	
02	13	07U		(BLANK)	MOC	043U	
02	13	07L		(BLANK)	MOC	043U	
02	13	08U		(BLANK)	MOC	043U	
02	13	08L		(BLANK)	MOC	043U	
02	13	09U		(BLANK)	MOC	043U	
02	13	09L		(BLANK)	MOC	043U	
02	13	10U		(BLANK)	MOC	043U	
02	13	10L		(BLANK)	MOC	043U	
02	13	11U		(BLANK)	MOC	043U	
02	13	11L		(BLANK)	MOC	043U	
02	13	12U		(BLANK)	MOC	043U	
02	13	12L		(BLANK)	MOC	043U	
02	13	13U		(BLANK)	MOC	043U	
02	13	13L		(BLANK)	MOC	043U	
02	13	14U		(BLANK)	MOC	043U	
02	13	14L		(BLANK)	MOC	043U	
02	13	15U		(BLANK)	MOC	043U	
02	13	15L		(BLANK)	MOC	043U	
02	13	16U		(BLANK)	MOC	043U	
02	13	16L		(BLANK)	MOC	043U	
02	13	17U		(BLANK)	MOC	043U	
02	13	17L		(BLANK)	MOC	043U	
02	13	18U		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
02	13	18L		(BLANK)	MOC	043U	
02	15			ABORT LIGHT "OFF"		310A	65
02	15			CMD RECEIVED		310A	65
02	15					043B	
02	15	01U	W	CMD	CCATS	035C	
02	15	01L	W	RCVD	CCATS	004R	
02	15	02U		A OFF (UPPER POSITION)	C/CIM	097A	
02	15	02C		NEUTRAL (CENTER POSITION)	C/CIM	008N	
02	15	02L		B OFF (LOWER POSITION)	C/CIM	165B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
03	02	01	R	BOOSTER * SYSTEMS	PBI	10-14	
03	02	01	A	* ENGINEER		10-14	
03	02	01	G			043B	
03	02	02	R	RETROFIRE * OFFICER	PBI	13-09	
03	02	02	A			043B	
03	02	02	G			043B	
03	02	03	R	FLIGHT * DYNAMICS * OFFICER	PBI	11-18	
03	02	03	A			043B	
03	02	03	G			043B	
03	02	04	R	GUIDANCE * OFFICER	PBI	12-11	
03	02	04	A			043B	
03	02	04	G			043B	
03	02	05		(BLANK)		043U	
03	02	06		(BLANK)		043U	
03	02	07	R	FLIGHT * SURGEON	PBI	05-12	
03	02	07	A			043B	
03	02	07	G			043B	
03	02	08	R	CAPCOM	PBI	06-14	
03	02	08	A			043B	
03	02	08	G			043B	
03	02	09	R	CSM * EECOM	PBI	07-13	
03	02	09	A			043B	
03	02	09	G			043B	
03	02	10	R	CSM * GNC	PBI	08-12	
03	02	10	A			043B	
03	02	10	G			043B	
03	02	11	R	LM * TELMU	PBI	09-15	
03	02	11	A			043B	
03	02	11	G			043B	
03	02	12	R	LM * CONTROL	PBI	16-13	
03	02	12	A			043B	
03	02	12	G			043B	
03	02	13	R	PROCEDURES * /INCO	PBI	04-08	
03	02	13	A			043B	
03	02	13	G			043B	
03	02	14		(BLANK)		043U	
03	02	15	R	FAO/EAO	PBI	17-11	
03	02	15	A			043B	
03	02	15	G			043B	
03	02	16	R	NETWORK * CONTROLLER	PBI	18-10	
03	02	16	A			043B	
03	02	16	G			043B	
03	02	17	R	RECOVERY * COORD	PBI	54-12	
03	02	17	A			043B	
03	02	17	G			043B	
03	02	18	R	RTCC * COMPUTER *	PBI	48A-17	
03	02	18	A	SUPERVISOR		48A-17	
03	02	18	G			043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	02	01		(BLANK)	CCATS	043U	
04	02	01		(BLANK)	CCATS	043U	
04	02	01		(BLANK)	CCATS	043U	
04	02	01		(BLANK)	CCATS	043U	
04	02	01	W	VAN	CCATS	013V	
04	02	01	W	TEX	CCATS	012T	
04	02	01	W	GYM	CCATS	075G	
04	02	01	W	GDS	CCATS	018G	
04	02	01	W	HAW	CCATS	002H	
04	02	01	W	GWM	CCATS	063G	
04	02	01	W	HSK	CCATS	083H	
04	02	01	W	CRO	CCATS	057C	
04	02	02	W	MAD	CCATS	003M	
04	02	02	W	CYI	CCATS	100C	
04	02	02	W	ACN	CCATS	011A	
04	02	02	W	BDA	CCATS	013B	
04	02	02		(BLANK)	CCATS	043U	
04	02	02		(BLANK)	CCATS	043U	
04	02	02	W	MIL	CCATS	046M	
04	02	02		(BLANK)	CCATS	043U	
04	02	02		(BLANK)	CCATS	043U	
04	02	02		(BLANK)	CCATS	043U	
04	02	02		(BLANK)	CCATS	043U	
04	02	02		(BLANK)	CCATS	043U	
04	02	03		(BLANK)	CCATS	043U	
04	02	03		(BLANK)	CCATS	043U	
04	02	03		(BLANK)	CCATS	043U	
04	02	03		(BLANK)	CCATS	043U	
04	02	03	W	VAN	CCATS	013V	
04	02	03	W	TEX	CCATS	012T	
04	02	03	W	GYM	CCATS	075G	
04	02	03	W	GDS	CCATS	018G	
04	02	03	W	HAW	CCATS	002H	
04	02	03	W	GWM	CCATS	063G	
04	02	03	W	HSK	CCATS	083H	
04	02	03	W	CRO	CCATS	057C	
04	02	04	W	MAD	CCATS	003M	
04	02	04	W	CYI	CCATS	100C	
04	02	04	W	ACN	CCATS	011A	
04	02	04	W	BDA	CCATS	013B	
04	02	04		(BLANK)	CCATS	043U	
04	02	04		(BLANK)	CCATS	043U	
04	02	04	W	MIL	CCATS	046M	
04	02	04		(BLANK)	CCATS	043U	
04	02	04		(BLANK)	CCATS	043U	
04	02	04		(BLANK)	CCATS	043U	
04	02	04		(BLANK)	CCATS	043U	
04	02	04		(BLANK)	CCATS	043U	
04	02	05		(BLANK)	CCATS	043U	
04	02	05		(BLANK)	CCATS	043U	
04	02	05		(BLANK)	CCATS	043U	
04	02	05		(BLANK)	CCATS	043U	
04	02	05	W	VAN	CCATS	013V	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	02	05	W	TEX	CCATS	012T	
04	02	05	W	GYM	CCATS	075G	
04	02	05	W	GDS	CCATS	018G	
04	02	05	W	HAW	CCATS	002H	
04	02	05	W	GWM	CCATS	063G	
04	02	05	W	HSK	CCATS	083H	
04	02	05	W	CRO	CCATS	057C	
04	02	06	W	MAD	CCATS	003M	
04	02	06	W	CYI	CCATS	100C	
04	02	06	W	ACN	CCATS	011A	
04	02	06	W	BDA	CCATS	013B	
04	02	06		(BLANK)	CCATS	043U	
04	02	06		(BLANK)	CCATS	043U	
04	02	06	W	MIL	CCATS	046M	
04	02	06		(BLANK)	CCATS	043U	
04	02	06		(BLANK)	CCATS	043U	
04	02	06		(BLANK)	CCATS	043U	
04	02	06		(BLANK)	CCATS	043U	
04	02	06		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	07		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	08		(BLANK)	CCATS	043U	
04	02	09		(BLANK)	CCATS	043U	
04	02	09		(BLANK)	CCATS	043U	
04	02	09		(BLANK)	CCATS	043U	
04	02	09		(BLANK)	CCATS	043U	
04	02	09	W	VAN	CCATS	013V	
04	02	09	W	TEX	CCATS	012T	
04	02	09	W	GYM	CCATS	075G	
04	02	09	W	GDS	CCATS	018G	
04	02	09	W	HAW	CCATS	002H	
04	02	09	W	GWM	CCATS	063G	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	02	09	W	HSK	CCATS	083H	
04	02	09	W	CRO	CCATS	057C	
04	02	10	W	MAD	CCATS	003M	
04	02	10	W	CYI	CCATS	100C	
04	02	10	W	ACN	CCATS	011A	
04	02	10	W	BDA	CCATS	013B	
04	02	10		(BLANK)	CCATS	043U	
04	02	10		(BLANK)	CCATS	043U	
04	02	10	W	MIL	CCATS	046M	
04	02	10		(BLANK)	CCATS	043U	
04	02	10		(BLANK)	CCATS	043U	
04	02	10		(BLANK)	CCATS	043U	
04	02	10		(BLANK)	CCATS	043U	
04	02	10		(BLANK)	CCATS	043U	
04	02	11		(BLANK)	CCATS	043U	
04	02	11		(BLANK)	CCATS	043U	
04	02	11		(BLANK)	CCATS	043U	
04	02	11		(BLANK)	CCATS	043U	
04	02	11	W	VAN	CCATS	013V	
04	02	11	W	TEX	CCATS	012T	
04	02	11	W	GYM	CCATS	075G	
04	02	11	W	GDS	CCATS	018G	
04	02	11	W	HAW	CCATS	002H	
04	02	11	W	GWM	CCATS	063G	
04	02	11	W	HSK	CCATS	083H	
04	02	11	W	CRO	CCATS	057C	
04	02	12	W	MAD	CCATS	003M	
04	02	12	W	CYI	CCATS	100C	
04	02	12	W	ACN	CCATS	011A	
04	02	12	W	BDA	CCATS	013B	
04	02	12		(BLANK)	CCATS	043U	
04	02	12		(BLANK)	CCATS	043U	
04	02	12	W	MIL	CCATS	046M	
04	02	12		(BLANK)	CCATS	043U	
04	02	12		(BLANK)	CCATS	043U	
04	02	12		(BLANK)	CCATS	043U	
04	02	12		(BLANK)	CCATS	043U	
04	02	12		(BLANK)	CCATS	043U	
04	02	13		(BLANK)	CCATS	043U	
04	02	13		(BLANK)	CCATS	043U	
04	02	13		(BLANK)	CCATS	043U	
04	02	13		(BLANK)	CCATS	043U	
04	02	13	W	VAN	CCATS	013V	
04	02	13	W	TEX	CCATS	012T	
04	02	13	W	GYM	CCATS	075G	
04	02	13	W	GDS	CCATS	018G	
04	02	13	W	HAW	CCATS	002H	
04	02	13	W	GWM	CCATS	063G	
04	02	13	W	HSK	CCATS	083H	
04	02	13	W	CRO	CCATS	057C	
04	02	14	W	MAD	CCATS	003M	
04	02	14	W	CYI	CCATS	100C	
04	02	14	W	ACN	CCATS	011A	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	02	14	W	BDA	CCATS	013B	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	14	W	MIL	CCATS	046M	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	14		(BLANK)	CCATS	043U	
04	02	15		(BLANK)	CCATS	043U	
04	02	15		(BLANK)	CCATS	043U	
04	02	15		(BLANK)	CCATS	043U	
04	02	15		(BLANK)	CCATS	043U	
04	02	15	W	VAN	CCATS	013V	
04	02	15	W	TEX	CCATS	012T	
04	02	15	W	GYM	CCATS	075G	
04	02	15	W	GDS	CCATS	018G	
04	02	15	W	HAW	CCATS	002H	
04	02	15	W	GWM	CCATS	063G	
04	02	15	W	HSK	CCATS	083H	
04	02	15	W	CRO	CCATS	057C	
04	02	16	W	MAD	CCATS	003M	
04	02	16	W	CYI	CCATS	100C	
04	02	16	W	ACN	CCATS	011A	
04	02	16	W	BDA	CCATS	013B	
04	02	16		(BLANK)	CCATS	043U	
04	02	16		(BLANK)	CCATS	043U	
04	02	16	W	MIL	CCATS	046M	
04	02	16		(BLANK)	CCATS	043U	
04	02	16		(BLANK)	CCATS	043U	
04	02	16		(BLANK)	CCATS	043U	
04	02	16		(BLANK)	CCATS	043U	
04	02	16		(BLANK)	CCATS	043U	
04	05	01U	R	USB S/S * CT0620V	MOC	CT0620	
04	05	01L	G	HGA * NAR	MOC	CT0161	
04	05	02U	R	USB Ø ERR * CT0640V	MOC	CT0640	40
04	05	02L	G	HGA * MED	MOC	CT0162	
04	05	03U	R	HGA SCAN	MOC	009H	
04	05	03L	G	HGA * WIDE	MOC	CSM16E	
04	05	04	R	RCVR SIG * GT0994V-1	MOC	GT0994	
04	05	05	R	ST Ø ERR * GT0992B-1	MOC	GT0992	40
04	05	06	R	STRBL * SCAN	MOC	002S	
04	05	07U	B	LBR * CT0120X	MOC	CSM03E	
04	05	07L	G	HGA * AUTO	MOC	CT0163	
04	05	08U	B	DSE RUN * CT0012X	MOC	CT0012	
04	05	08L	G	HGA * REACQ	MOC	CT0164	
04	05	09U	B	XPNDR CAL * NO.2-20	MOC	CSM13I	
04	05	09L	G	HGA * MAN	MOC	CSM17E	
04	05	10	R	S ANT TMP * GT0454T-1	MOC	GT0454	
04	05	11	R	XMTR PO * GT0993E-1	MOC	GT0993	
04	05	12	B	LEM31E * LBR	MOC	LEM31E	
04	05	13	R	MC&W * CS0150X R	MOC	CS0150	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	05	14	R	UDL OFF * CT0262V R	STRIP	CT0262	
04	05	15U	B	CSM LIMIT * DISABLE	MOC	CSMCATY	
04	05	15L	B	LM LIMIT * DISABLE	MOC	LEMCAT9	
04	05	16	G	GT0441A-1 * DUA ON	STRIP	SPCGT0441	
04	05	17	B	S-BAND * SEC CAL	MOC	LEM19I	
04	05	18U	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
04	05	18L	R	GL4054X-0 * C&W FAIL	MOC	GL4054	
04	07	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
04	07	01L	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
04	07	02U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
04	07	02L	A	CSM * STATIC	CCATS	300C	
04	07	03U	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
04	07	03L	G	CSM * LIVE	CCATS	299C	
04	07	04U	G	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
04	07	04L	A	CSM * LFI	CCATS	358C	
04	07	05U	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
04	07	05L	A	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
04	07	06U	G	SDS R/T * 768 KHZ	STRIP	SM6USB02	
04	07	06L	A	SDS D/T * 576 KHZ	STRIP	SM6USB01	
04	07	07U	G	LM UDL * 70KHZ	STRIP	LMUSB01	
04	07	07L	G	LM G/A * 30KHZ	STRIP	LMUSB02	
04	07	08U	G	LM PRN * UPLINK	STRIP	LMUSB03	
04	07	08L	A	LM * STATIC	CCATS	111L	
04	07	09U	G	LM PM * DN LOCK	STRIP	LMUSB04	
04	07	09L	G	LM * LIVE	CCATS	110L	
04	07	10U	G	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
04	07	10L	G	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
04	07	11U	G	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
04	07	11L	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
04	07	12U	G	LCRU VOICE * UP 124 KHZ	STRIP	LCRUUSB06	
04	07	12L	A	LM * LFI	CCATS	024L	
04	07	13U	G	IU UDL * 70KHZ	STRIP	IUUSB01	
04	07	13L		(BLANK)	MOC	043U	
04	07	14U	G	IU PRN * UPLINK	STRIP	IUUSB03	
04	07	14L		(BLANK)	MOC	043U	
04	07	15U	G	IU PM * DN LOCK	STRIP	IUUSB04	
04	07	15L		(BLANK)	MOC	043U	
04	07	16U		(BLANK)	MOC	043U	
04	07	16L		(BLANK)	MOC	043U	
04	07	17U	G	CCS TM * SYNC	STRIP	IUUSB07	
04	07	17L		(BLANK)	MOC	043U	
04	07	18U		(BLANK)	MOC	043U	
04	07	18L		(BLANK)	MOC	043U	
04	08	01		(BLANK)	PBI	043U	
04	08	01				043B	
04	08	01				043B	
04	08	02		(BLANK)	PBI	043U	
04	08	02				043B	
04	08	02				043B	
04	08	03	R	COMM SUP- * PORT NO 1	PBI	24-14	
04	08	03	A			043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	08	03	G			043B	
04	08	04	R	COMM SUP- * PORT NO 2	PBI	24-17	
04	08	04	A			043B	
04	08	04	G			043B	
04	08	05		(BLANK)	PBI	043U	
04	08	05				043B	
04	08	05				043B	
04	08	06		(BLANK)	PBI	043U	
04	08	06				043B	
04	08	06				043B	
04	08	07	R	ABORT * REQUESTED	PBI	002A	
04	08	08	R	(STATUS REPORT)	PBI	123S	
04	08	09	A	(STATUS REPORT)	PBI	123S	
04	08	10	G	(STATUS REPORT)	PBI	123S	
04	09					043B	32
04	09					043B	1G
04	09	01U	W	AGCVOLTCM	PBI	AGCVOLTCM	
04	09	01L		(BLANK)	PBI	043U	
04	09	02U	W	USB S/S * CT0620V	PBI	CT0620	
04	09	02L		(BLANK)	PBI	043U	
04	09	03U	W	RCVR SIG * GT0994V-1	PBI	GT0994	
04	09	03L		(BLANK)	PBI	043U	
04	09	04U	W	AGCVOLTLM	PBI	AGCVOLTLM	
04	09	04L		(BLANK)	PBI	043U	
04	09	05U		(BLANK)	PBI	043U	
04	09	06A		SITE PM RCVR VOLTAGE-CSM	DAC	AGCVOLTCM	
04	09	06B		(UNASSIGNED)	DAC	043U	
04	09	07A		USB RCVR AGC VOLTAGE-CSM	DAC	CT0620	
04	09	07B		(UNASSIGNED)	DAC	043U	
04	09	08A		S-BAND RCVR AGC VOLTS-LM	DAC	GT0994	
04	09	08B		(UNASSIGNED)	DAC	043U	
04	09	09A		SITE PM RCVR VOLTAGE-LM	DAC	AGCVOLTLM	
04	09	09B		(UNASSIGNED)	DAC	043U	
04	09	10A		(UNASSIGNED)	DAC	043U	1L
04	09	10B		(UNASSIGNED)	DAC	043U	
04	10	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
04	10	01L	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
04	10	02U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
04	10	02L	A	CSM * STATIC	CCATS	300C	
04	10	03U	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
04	10	03L	G	CSM * LIVE	CCATS	299C	
04	10	04U	G	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
04	10	04L	A	CSM * LFI	CCATS	358C	
04	10	05U	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
04	10	05L	A	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
04	10	06U	G	SDS R/T * 768 KHZ	STRIP	SM6USB02	
04	10	06L	A	SDS D/T * 576 KHZ	STRIP	SM6USB01	
04	10	07U	G	LM UDL * 70KHZ	STRIP	LMUSB01	
04	10	07L	G	LM G/A * 30KHZ	STRIP	LMUSB02	
04	10	08U	G	LM PRN * UPLINK	STRIP	LMUSB03	
04	10	08L	A	LM * STATIC	CCATS	111L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	10	09U	G	LM PM * DN LOCK	STRIP	LMUSB04	
04	10	09L	G	LM * LIVE	CCATS	110L	
04	10	10U	G	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
04	10	10L	G	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
04	10	11U	G	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
04	10	11L	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
04	10	12U	G	LCRU VOICE * UP 124 KHZ	STRIP	LCRUUSB06	
04	10	12L	A	LM * LFI	CCATS	024L	
04	10	13U	G	IU UDL * 70KHZ	STRIP	IUUSB01	
04	10	13L		(BLANK)	MOC	043U	
04	10	14U	G	IU PRN * UPLINK	STRIP	IUUSB03	
04	10	14L		(BLANK)	MOC	043U	
04	10	15U	G	IU PM * DN LOCK	STRIP	IUUSB04	
04	10	15L		(BLANK)	MOC	043U	
04	10	16U		(BLANK)	MOC	043U	
04	10	16L		(BLANK)	MOC	043U	
04	10	17U	G	CCS TM * SYNC	STRIP	IUUSB07	
04	10	17L		(BLANK)	MOC	043U	
04	10	18U		(BLANK)	MOC	043U	
04	10	18L		(BLANK)	MOC	043U	
04	11					043B	21
04	11	01U		(BLANK)	MOC	043U	
04	11	01L		(BLANK)	MOC	043U	
04	11	02U		(BLANK)	MOC	043U	
04	11	02L		(BLANK)	MOC	043U	
04	11	03U		(BLANK)	MOC	043U	
04	11	03L		(BLANK)	MOC	043U	
04	11	04U		(BLANK)	MOC	043U	
04	11	04L		(BLANK)	MOC	043U	
04	11	05U		(BLANK)	MOC	043U	
04	11	05L		(BLANK)	MOC	043U	
04	11	06U		(BLANK)	MOC	043U	
04	11	06L		(BLANK)	MOC	043U	
04	11	07U		(BLANK)	MOC	043U	
04	11	07L		(BLANK)	MOC	043U	
04	11	08U		(BLANK)	MOC	043U	
04	11	08L		(BLANK)	MOC	043U	
04	11	09U		(BLANK)	MOC	043U	
04	11	09L		(BLANK)	MOC	043U	
04	11	10U		(BLANK)	MOC	043U	
04	11	10L		(BLANK)	MOC	043U	
04	11	11U		(BLANK)	MOC	043U	
04	11	11L		(BLANK)	MOC	043U	
04	11	12U		(BLANK)	MOC	043U	
04	11	12L		(BLANK)	MOC	043U	
04	11	13U		(BLANK)	MOC	043U	
04	11	13L		(BLANK)	MOC	043U	
04	11	14U		(BLANK)	MOC	043U	
04	11	14L		(BLANK)	MOC	043U	
04	11	15U		(BLANK)	MOC	043U	
04	11	15L		(BLANK)	MOC	043U	
04	11	16U		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	11	16L		(BLANK)	MOC	043U	
04	11	17U		(BLANK)	MOC	043U	
04	11	17L		(BLANK)	MOC	043U	
04	11	18U		(BLANK)	MOC	043U	
04	11	18L		(BLANK)	MOC	043U	
04	14					043B	
04	14					043B	25
04	14	01U	G	PAN * RIGHT	CCATS	021P	
04	14	01L	W	04	CCATS	042N	
04	14	02U	G	PAN * LEFT	CCATS	023P	
04	14	02L	W	01	CCATS	037N	
04	14	03U	G	PAN * STOP	CCATS	026P	
04	14	03L	W	02	CCATS	038N	
04	14	04U	G	PAN * INCREMENT	CCATS	028P	
04	14	04L	W	RIGHT * 04-02	CCATS	031R	
04	14	05U	G	PAN * INCREMENT	CCATS	028P	
04	14	05L	W	LEFT * 01-02	CCATS	099L	
04	14	06U	G	IRIS * INCREMENT	CCATS	010I	
04	14	06L	W	OUT * 34-32	CCATS	009O	
04	14	07U	G	TILT * UP	CCATS	011T	
04	14	07L	W	14	CCATS	059N	
04	14	08U	G	TILT * DOWN	CCATS	013T	
04	14	08L	W	11	CCATS	052N	
04	14	09U	G	TILT * STOP	CCATS	017T	
04	14	09L	W	12	CCATS	054N	
04	14	10U	G	TILT * INCREMENT	CCATS	023T	
04	14	10L	W	UP * 14-12	CCATS	103U	
04	14	11U	G	TILT * INCREMENT	CCATS	023T	
04	14	11L	W	DOWN * 11-12	CCATS	021D	
04	14	12U	G	IRIS * INCREMENT	CCATS	010I	
04	14	12L	W	IN * 31-32	CCATS	027I	
04	14	13U	G	ZOOM * OUT	CCATS	005Z	
04	14	13L	W	24	CCATS	077N	
04	14	14U	G	ZOOM * IN	CCATS	006Z	
04	14	14L	W	21	CCATS	071N	
04	14	15U	G	ZOOM * STOP	CCATS	007Z	
04	14	15L	W	22	CCATS	073N	
04	14	16U	G	ZOOM * INCREMENT	CCATS	008Z	
04	14	16L	W	OUT * 24-22	CCATS	008O	
04	14	17U	G	ZOOM * INCREMENT	CCATS	008Z	
04	14	17L	W	IN * 21-22	CCATS	026I	
04	14	18U	G	IRIS * STOP	CCATS	028I	
04	14	18L	W	32	CCATS	089N	
04	17					043B	24
04	17	01U	W	RTC	CCATS	234R	
04	17	01L	G	INITIATE	CCATS	009I	
04	17	02U	W	VERB	CCATS	031V	
04	17	02L	W	INITIATE	CCATS	009I	
04	17	03U	W	LOAD	CCATS	038L	
04	17	03L	W	INITIATE	CCATS	009I	
04	17	04U	W	LINE/LINE	CCATS	218L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	17	04L	W	INITIATE	CCATS	009I	
04	17	05U	W	COMPARE	CCATS	294C	
04	17	05L	W	INITIATE	CCATS	009I	
04	17	06U	W	CMD	CCATS	035C	
04	17	06L	W	TERMINATE	CCATS	007T	
04	17	07	W	0	CCATS	026N	
04	17	08	W	1	CCATS	027N	
04	17	09	W	2	CCATS	028N	
04	17	10	W	3	CCATS	029N	
04	17	11	W	4	CCATS	030N	
04	17	12U	G	SITE * VAL	CCATS	192S	
04	17	12L	R	RSCC * INVAL	CCATS	235R	
04	17	13	W	5	CCATS	031N	
04	17	14	W	6	CCATS	032N	
04	17	15	W	7	CCATS	033N	
04	17	16	W	8	CCATS	034N	
04	17	17	W	9	CCATS	035N	
04	17	18U	R	S/C REJ	CCATS	092S	
04	17	18L	R	GND REJ	CCATS	040G	
04	18					043B	24
04	18	01U	G	ENABLE	CCATS	012E	
04	18	01L	R	DISABLE	CCATS	010D	
04	18	02U	R	LOAD * MODE	CCATS	207L	
04	18	02L	G	RTC * MODE	CCATS	221R	
04	18	03U	R	UHF	CCATS	002U	
04	18	03L	G	USB	CCATS	031U	
04	18	04	A	SITE * SELECT	CCATS	066S	
04	18	04	G	CARRIER * ON	CCATS	010C	
04	18	05U	G	FC	CCATS	002F	
04	18	05L	R	M&O	CCATS	001M	
04	18	06	G	MAP * * OVRD	CCATS	023M	
04	18	07U	W	DATA * REJ	CCATS	081D	
04	18	07L	W	TM * REJ	CCATS	083T	
04	18	08U		(BLANK)	CCATS	043U	
04	18	08L		(BLANK)	CCATS	043U	
04	18	09U		(BLANK)	CCATS	043U	
04	18	09L		(BLANK)	CCATS	043U	
04	18	10U		(BLANK)	CCATS	043U	
04	18	10L		(BLANK)	CCATS	043U	
04	18	11U	W	VEH 1	CCATS	059V	
04	18	11L	W	VEH 2	CCATS	060V	
04	18	12U	R	VA 3 * LM	CCATS	061V	
04	18	12L	G	VA 4 * CSM	CCATS	065V	
04	18	13U	G	DSM * SELECT	CCATS	071D	
04	18	13L	R	CLEAR	CCATS	028C	
04	18	14	W	VERIFY * * CLEAR	CCATS	023V	
04	18	15U		(BLANK)	CCATS	043U	
04	18	15L		(BLANK)	CCATS	043U	
04	18	16U		(BLANK)	CCATS	043U	
04	18	16L		(BLANK)	CCATS	043U	
04	18	17U	W	VEH 5	CCATS	062V	
04	18	17L	W	VEH 6	CCATS	063V	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	18	18U	R	VA 7 * SLV	CCATS	066V	
04	18	18L	W	VEH 8	CCATS	064V	
04	19					043B	24
04	19	01U	W	R/T PCM * 1.024 ON	CCATS	224R	
04	19	01L	W	32-37	CCATS	422N	
04	19	02U	G	BIT RATE * HIGH	CCATS	156B	
04	19	02L	G	64-71	CCATS	423N	
04	19	03U	W	FM ON * (TAPE)	CCATS	125F	
04	19	03L	W	41-45	CCATS	424N	
04	19	04U	W	FM OFF * (TAPE OFF)	CCATS	126F	
04	19	04L	W	41-44	CCATS	425N	
04	19	05U	W	B/U VOICE * FM OFF	CCATS	157B	
04	19	05L	W	40-51	CCATS	426N	
04	19	06U	W	USB MODE * RESET	CCATS	067U	
04	19	06L	W	50-40	CCATS	427N	
04	19	07U	W	R/T PCM * OFF	CCATS	225R	
04	19	07L	W	37-33	CCATS	428N	
04	19	08U	G	BIT RATE * LOW	CCATS	158B	
04	19	08L	G	65	CCATS	247N	
04	19	09U	W	DSE TAPE * FORWARD	CCATS	072D	
04	19	09L	W	72-77	CCATS	429N	
04	19	10U	W	DSE TAPE * STOP	CCATS	073D	
04	19	10L	W	76-73	CCATS	430N	
04	19	11U	W	DSE TAPE * REWIND	CCATS	085D	
04	19	11L	W	73-77	CCATS	431N	
04	19	12U	W	TAPE CNTL * RESET	CCATS	080T	
04	19	12L	W	76-72	CCATS	432N	
04	19	13U	W	R/T PCM * RESET	CCATS	226R	
04	19	13L	W	32-36	CCATS	454N	
04	19	14U	G	BIT RATE * RESET	CCATS	159B	
04	19	14L	G	64-70	CCATS	433N	
04	19	15U	W	DSE ELECT * RECORD	CCATS	074D	
04	19	15L	W	62-67	CCATS	435N	
04	19	16U	W	DSE ELECT * OFF	CCATS	075D	
04	19	16L	W	63-66	CCATS	434N	
04	19	17U	W	DSE ELECT * PLAYBACK	CCATS	086D	
04	19	17L	W	63-67	CCATS	436N	
04	19	18U	W	DSE ELECT * RESET	CCATS	076D	
04	19	18L	W	62-66	CCATS	437N	
04	20					043B	24
04	20	01U	W	SALVO * RESET 1	CCATS	337S	
04	20	01L	W	30-32	CCATS	438N	
04	20	02U	G	ALC * PEAK	CCATS	027A	
04	20	02L	W	44	CCATS	109N	
04	20	03U	G	ALC * AVERAGE	CCATS	026A	
04	20	03L	W	41	CCATS	103N	
04	20	04U	W	SELECT CSM * P/B DATA	CCATS	338S	
04	20	04L	W	52-57	CCATS	439N	
04	20	05U	W	SELECT LM * P/B DATA	CCATS	339S	
04	20	05L	W	53	CCATS	125N	
04	20	06U	W	P/B MODE * RESET	CCATS	063P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
04	20	06L	W	52-56	CCATS	440N	
04	20	07U	W	SALVO * RESET 2	CCATS	340S	
04	20	07L	W	72-70	CCATS	441N	
04	20	08U	W	ACE CMC * ONE	CCATS	435S	
04	20	08L	W	DISABLE * 14	CCATS	435S	
04	20	09U	W	POWER AMP * OFF	CCATS	064P	
04	20	09L	W	43-46	CCATS	442N	
04	20	10U	W	POWER AMP * LOW	CCATS	065P	
04	20	10L	W	47-43	CCATS	443N	
04	20	11U	W	POWER AMP * HIGH	CCATS	066P	
04	20	11L	W	42-47	CCATS	444N	
04	20	12U	W	POWER AMP * RESET	CCATS	067P	
04	20	12L	W	42-46	CCATS	445N	
04	20	13U	W	D OMNI * ANT SEL	CCATS	084D	
04	20	13L	W	75	CCATS	241N	
04	20	14U	W	ANTENNA * RESET	CCATS	242A	
04	20	14L	W	74	CCATS	243N	
04	20	15U	W	ACE CMC * ONE	CCATS	436S	
04	20	15L	W	ENABLE * 15	CCATS	436S	
04	20	16U	W	RANGING * DISABLE	CCATS	227R	
04	20	16L	W	23	CCATS	075N	
04	20	17U	W	RANGING * ENABLE	CCATS	228R	
04	20	17L	W	22-27	CCATS	446N	
04	20	18U	W	RANGING * RESET	CCATS	229R	
04	20	18L	W	22-26	CCATS	455N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	08			BIOMED PROCESS CTRL MODULE		012B	65
05	08	01				043B	3G
05	08	01		SITE 1		021S	3D
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	01		(BLANK)	CCATS	043U	
05	08	02				043B	3G
05	08	02		SITE 2		022S	3E
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	02		(BLANK)	CCATS	043U	
05	08	03				043B	3G
05	08	03		SITE 3		023S	3F
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	03		(BLANK)	CCATS	043U	
05	08	04				043B	3H
05	08	04		SITE 1		021S	3D
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	04		(BLANK)	CCATS	043U	
05	08	05				043B	3H
05	08	05		SITE 2		022S	3E
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	05		(BLANK)	CCATS	043U	
05	08	06				043B	3H
05	08	06		SITE 3		023S	3F
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	06		(BLANK)	CCATS	043U	
05	08	07		CMP		372C	3I
05	08	07		SITE 1		021S	3D
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	07		(BLANK)	CCATS	043U	
05	08	08		CMP		372C	3I
05	08	08		SITE 2		022S	3E
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	08		(BLANK)	CCATS	043U	
05	08	09		CMP		372C	3I
05	08	09		SITE 3		023S	3F
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	09		(BLANK)	CCATS	043U	
05	08	10		CDR		371C	3J
05	08	10		SITE 1		021S	3D
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	10		(BLANK)	CCATS	043U	
05	08	11		CDR		371C	3J
05	08	11		SITE 2		022S	3E
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	11		(BLANK)	CCATS	043U	
05	08	12		CDR		371C	3J
05	08	12		SITE 3		023S	3F
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	12		(BLANK)	CCATS	043U	
05	08	13		LMP		260L	3K
05	08	13		SITE 1		021S	3D
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	13		(BLANK)	CCATS	043U	
05	08	14		LMP		260L	3K
05	08	14		SITE 2		022S	3E
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	14		(BLANK)	CCATS	043U	
05	08	15		LMP		260L	3K
05	08	15		SITE 3		023S	3F
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	
05	08	15		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	09	01		IRIG 5 EKG	FM	IRIG 5	
05	09	02		IRIG 2 ZPN	FM	IRIG 2	
05	09	03		IRIG 6 EKG	FM	IRIG 6	
05	09	04		IRIG 3 ZPN	FM	IRIG 3	
05	09	05		IRIG 7 EKG	FM	IRIG 7	
05	09	06		IRIG 4 ZPN	FM	IRIG 4	
05	09	07		(UNASSIGNED)	FM	043U	
05	09	08		(UNASSIGNED)	FM	043U	
05	10			IRIG 5		371C	65
05	10					043B	
05	10			IHR		116I	65
05	10			(CARD 1) (IRIG CHANNEL 5)		352C	
05	10	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	10	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	10	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
05	10	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
05	10	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
05	10	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
05	10	04				043B	
05	10	04		AHR		295A	65
05	10	04		(CARD 1) (IRIG CHANNEL 5)		352C	
05	10	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	10	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	10	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
05	10	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
05	10	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	10	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	10	07				043B	
05	10	07		ABR		296A	65
05	10	07		(PNEU 1) (IRIG CHANNEL 2)		352P	
05	10	07	R	(BREATH RATE TENS)	BMDADS	026NA	
05	10	07	A	(BREATH RATE TENS)	BMDADS	026NA	
05	10	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
05	10	08	A	(BREATH RATE UNITS)	BMDADS	026NA	
05	12	01	R	AEROMED	PBI	19-14	
05	12	01	A			043B	
05	12	01	G			043B	
05	12	02		(BLANK)	PBI	043U	
05	12	02				043B	
05	12	02				043B	
05	12	03		(BLANK)	PBI	043U	
05	12	03				043B	
05	12	03				043B	
05	12	04		(BLANK)	PBI	043U	
05	12	04				043B	
05	12	04				043B	
05	12	05		(BLANK)	PBI	043U	
05	12	05				043B	
05	12	05				043B	
05	12	06		(BLANK)	PBI	043U	
05	12	06				043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	12	06				043B	
05	12	07	R	ABORT * REQUESTED	PBI	002A	
05	12	08	R	(STATUS REPORT)	PBI	123S	
05	12	09	A	(STATUS REPORT)	PBI	123S	
05	12	10	G	(STATUS REPORT)	PBI	123S	
05	13					043B	69
05	13	01 1	W	IRIG * 5 * EKG	PBI	IRIG 5	
05	13	02 1	W	IRIG * 5 * HR	PBI	352C	
05	13	03 1		(BLANK)	PBI	043U	
05	13	04 1	W	LCG 1 * ΔT * GT8196T	PBI	GT8196	38
05	13	05 1		(BLANK)	PBI	043U	61
05	13	06 2	W	IRIG * 5 * EKG * DELAYED	PBI	092D	
05	13	07 2	W	IRIG * 2 * ZPN	PBI	IRIG 2	
05	13	08 2		(BLANK)	PBI	043U	
05	13	09 2	W	LCG 2 * ΔT * GT8296T	PBI	GT8296	38
05	13	10 2		(BLANK)	PBI	043U	
05	13	11 3	W	IRIG * 6 * EKG	PBI	IRIG 6	
05	13	12 3	W	IRIG * 6 * HR	PBI	353C	
05	13	13 3		(BLANK)	PBI	043U	
05	13	14 3	W	LM * CO2 PP * GF1521P	PBI	GF1521	
05	13	15 3		(BLANK)	PBI	043U	61
05	13	16 4	W	IRIG * 6 * EKG * DELAYED	PBI	091D	
05	13	17 4	W	IRIG * 3 * ZPN	PBI	IRIG 3	
05	13	18 4		(BLANK)	PBI	043U	
05	13	19 4	W	LM * CABIN T * GF1651T	PBI	GF1651	
05	13	20 4		(BLANK)	PBI	043U	
05	13	21 5	W	IRIG * 7 * EKG	PBI	IRIG 7	
05	13	22 5	W	IRIG * 7 * HR	PBI	354C	
05	13	23 5		(BLANK)	PBI	043U	
05	13	24 5	W	LM * CO2 PP * GF1521P	PBI	GF1521	
05	13	25 5		(BLANK)	PBI	043U	61
05	13	26 6	W	IRIG * 7 * EKG * DELAYED	PBI	093D	
05	13	27 6	W	IRIG * 4 * ZPN	PBI	IRIG 4	
05	13	28 6		(BLANK)	PBI	043U	
05	13	29 6	W	LM * CABIN T * GF1651T	PBI	GF1651	
05	13	30 6		(BLANK)	PBI	043U	
05	13	31 7	W	IRIG * 5 * HR	PBI	352C	
05	13	32 7	W	IRIG * 6 * HR	PBI	353C	
05	13	33 7	W	IRIG * 7 * HR	PBI	354C	
05	13	34 7	W	LCG 1 * INLET * TEMP *	PBI	GT8154	
05	13	34 7		GT8154T	PBI	GT8154	
05	13	35 7	W	CSM * CABIN T * CF0002T	PBI	CF0002	
05	13	36 8	W	IRIG * 5 * HR	PBI	352C	
05	13	37 8	W	IRIG * 6 * HR	PBI	353C	
05	13	38 8	W	IRIG * 7 * HR	PBI	354C	
05	13	39 8	W	LCG 2 * INLET * TEMP *	PBI	GT8254	
05	13	39 8		GT8254T	PBI	GT8254	
05	13	40 8	W	CSM * CO2 PP * CF0005P	PBI	CF0005	
05	14			IRIG 6		372C	65
05	14					043B	
05	14			IHR		116I	65

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	14			(CARD 2) (IRIG CHANNEL 6)		353C	
05	14	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	14	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	14	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
05	14	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
05	14	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
05	14	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
05	14	04				043B	
05	14	04		AHR		295A	65
05	14	04		(CARD 2) (IRIG CHANNEL 6)		353C	
05	14	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	14	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	14	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
05	14	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
05	14	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	14	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	14	07				043B	
05	14	07		ABR		296A	65
05	14	07		(PNEU 2) (IRIG CHANNEL 3)		353P	
05	14	07	R	(BREATH RATE TENS)	BMDADS	026NA	
05	14	07	A	(BREATH RATE TENS)	BMDADS	026NA	
05	14	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
05	14	08	A	(BREATH RATE UNITS)	BMDADS	026NA	
05	15			IRIG 7		260L	65
05	15					043B	
05	15			IHR		116I	65
05	15			(CARD 3)(IRIG CHANNEL 7)		354C	
05	15	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	15	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
05	15	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
05	15	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
05	15	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
05	15	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
05	15	04				043B	
05	15	04		AHR		295A	65
05	15	04		(CARD 3)(IRIG CHANNEL 7)		354C	
05	15	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	15	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
05	15	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
05	15	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
05	15	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	15	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
05	15	07				043B	
05	15	07		ABR		296A	65
05	15	07		(PNEU 3) (IRIG CHANNEL 4)		354P	
05	15	07	R	(BREATH RATE TENS)	BMDADS	026NA	
05	15	07	A	(BREATH RATE TENS)	BMDADS	026NA	
05	15	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
05	15	08	A	(BREATH RATE UNITS)	BMDADS	026NA	
05	16	01U	G	LIFTOFF	CASTS-	028L	
05	16	01L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
05	16	02U	G	S-IVB ENG * CUTOFF	MOC	SIU02E	
05	16	02L	R	EDS ABT A * CD0135X	MOC	CD0135	
05	16	03U		(BLANK)	MOC	043U	
05	16	03L		(BLANK)	MOC	043U	
05	16	04U	R	ABORT REQ * BS0080X	MOC	BS0080	
05	16	04L	R	CREW ABRT * CD0130X	MOC	CD0130	
05	16	05U		(BLANK)	MOC	043U	
05	16	05L		(BLANK)	MOC	043U	
05	16	06U		(BLANK)	MOC	043U	
05	16	06L		(BLANK)	MOC	043U	
05	16	07U		(BLANK)	MOC	043U	
05	16	07L		(BLANK)	MOC	043U	
05	16	08U	G	SPS * IGNITION	MOC	CSM01E	
05	16	08L		(BLANK)	MOC	043U	
05	16	09U		(BLANK)	MOC	043U	
05	16	09L		(BLANK)	MOC	043U	
05	16	10U		(BLANK)	MOC	043U	
05	16	10L		(BLANK)	MOC	043U	
05	16	11U	G	CSM SEP A * CD0023X	MOC	CD0023	
05	16	11L	G	APEX A * CD0230X	MOC	CD0230	
05	16	12U		(BLANK)	MOC	043U	
05	16	12L		(BLANK)	MOC	043U	
05	16	13U	G	S-IVB ENG * IGN	MOC	SIU01E	
05	16	13L		(BLANK)	MOC	043U	
05	16	14U		(BLANK)	MOC	043U	
05	16	14L		(BLANK)	MOC	043U	
05	16	15U		(BLANK)	MOC	043U	
05	16	15L		(BLANK)	MOC	043U	
05	16	16U		(BLANK)	MOC	043U	
05	16	16L		(BLANK)	MOC	043U	
05	16	17U	G	DRO DEP A * CE0001X	MOC	CE0001	
05	16	17L	G	MN DEP A * CE0003X	MOC	CE0003	
05	16	18U		(BLANK)	MOC	043U	
05	16	18L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
06	03	U		(BLANK)	MOC	043U	
06	03	U		(BLANK)	MOC	043U	
06	03	L		(BLANK)	MOC	043U	
06	03	L		(BLANK)	MOC	043U	
06	05			(SIGNAL TO START CLOCK)		438S	
06	05			L/O	RTA	028L	
06	14	01	R	FLIGHT CREW * EXPERIMENTS	PBI	23-14	
06	14	01	A			043B	
06	14	01	G			043B	
06	14	02	R	FLIGHT CREW * PROCEDURES	PBI	23-17	
06	14	02	A			043B	
06	14	02	G			043B	
06	14	03		(BLANK)	PBI	043U	
06	14	03				043B	
06	14	03				043B	
06	14	04		(BLANK)	PBI	043U	
06	14	04				043B	
06	14	04				043B	
06	14	05		(BLANK)	PBI	043U	
06	14	05				043B	
06	14	05				043B	
06	14	06		(BLANK)	PBI	043U	
06	14	06				043B	
06	14	06				043B	
06	14	07	R	ABORT * REQUESTED	PBI	002A	
06	14	08	R	(STATUS REPORT)	PBI	123S	
06	14	09	A	(STATUS REPORT)	PBI	123S	
06	14	10	G	(STATUS REPORT)	PBI	123S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	03	01	B	EECOM * ALL LIM	MOC	CSMCATECM	
07	03	02	B	CSM * LIVE	CCATS	299C	
07	03	03	B	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
07	03	04	B	DSE RUN * CT0012X	MOC	CT0012	
07	03	05	A	LOG BUS A * CD0200V	MOC	CD0200	
07	03	06	W	SCS RCS A * CD0170X	MOC	CD0170	
07	03	07	W	APEX A * CD0230X	MOC	CD0230	
07	03	08	G	ABORT REQ * BS0080X	MOC	BS0080	
07	03	09	G	EDS VOT 1 * CD0132X R	MOC	CD0132	
07	03	10	B	LAUNCH * LIMITS	MOC	CSMCATJ	
07	03	11	B	CSM * STATIC	CCATS	300C	
07	03	12	B	CSM PM * DN LOCK	STRIP	CSMUSB04	
07	03	13	B	SCE +20 * CT0015V	MOC	CT0015	
07	03	14	A	LOG BUS B * CD0201V	MOC	CD0201	
07	03	15	W	SCS RCS B * CD0171X	MOC	CD0171	
07	03	16	W	APEX B * CD0231X	MOC	CD0231	
07	03	17	G	ABORT REQ * BS0081X	MOC	BS0081	
07	03	18	G	EDS VOT 2 * CD0133X R	MOC	CD0133	
07	03	19	B	ENTRY * LIMITS	MOC	CSMCATZ	
07	03	20	B	CSM * LFI	CCATS	358C	
07	03	21	B	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
07	03	22	B	SCE -20 * CT0016V	MOC	CT0016	
07	03	23	A	PYR BUS A * CD0005V	MOC	CD0005	
07	03	24	W	CM RCS A * CD0173X	MOC	CD0173	
07	03	25	W	DRO DEP A * CE0001X	MOC	CE0001	
07	03	26	G	CREW ABRT * CD0130X	MOC	CD0130	
07	03	27	G	EDS VOT 3 * CD0134X R	MOC	CD0134	
07	03	28		(BLANK)	MOC	043U	
07	03	29	B	CSM EVENTS * PLAYBACK	MOC	600PA	
07	03	30	B	CSM UDL * 70KHZ	STRIP	CSMUSB01	
07	03	31	B	SCE +10 * CT0018V	MOC	CT0018	
07	03	32	A	PYR BUS B * CD0006V	MOC	CD0006	
07	03	33	W	CM RCS B * CD0174X	MOC	CD0174	
07	03	34	W	DRO DEP B * CE0002X	MOC	CE0002	
07	03	35	G	CREW ABRT * CD0131X	MOC	CD0131	
07	03	36	G	EDS ABT A * CD0135X	MOC	CD0135	
07	03	37	B	FC 1 * LIMITS	MOC	CSMCATV	
07	03	38	B	CO2 CAL * 14.7-30	MOC	CSM09I	06
07	03	39	B	CSM G/A * 30KHZ	STRIP	CSMUSB02	
07	03	40	B	SCE +5 * CT0017V	MOC	CT0017	
07	03	41		(BLANK)	MOC	043U	
07	03	42	W	CSM SEP A * CD0023X	MOC	CD0023	
07	03	43	W	MN DEP A * CE0003X	MOC	CE0003	
07	03	44		(BLANK)	MOC	043U	
07	03	45	G	EDS ABT B * CD0136X	MOC	CD0136	
07	03	46	B	FC 2 * LIMITS	MOC	CSMCATW	
07	03	47	B	CO2 CAL * 3.7-10	MOC	CSM10I	06
07	03	48	B	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
07	03	49	B	PCM INT * CT0340X R	MOC	CT0340	
07	03	50		(BLANK)	MOC	043U	
07	03	51	W	CSM SEP B * CD0024X	MOC	CD0024	
07	03	52	W	MN DEP B * CE0004X	MOC	CE0004	
07	03	53		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	03	54		(BLANK)	MOC	043U	
07	03	55	B	FC 3 * LIMITS	MOC	CSMCATX	
07	03	56	B	FLO CAL * 60F-10	MOC	CSM11I	07
07	03	57	B	CSM PRN * UPLINK	STRIP	CSMUSB03	
07	03	58		(BLANK)	MOC	043U	
07	03	59	W	RNG SEP A * CD1154X	MOC	CD1154	
07	03	60	W	SLA SEP A * CD0123X	MOC	CD0123	
07	03	61	W	MN DIS A * CE0321X	MOC	CE0321	
07	03	62		(BLANK)	MOC	043U	
07	03	63	G	MC&W LTCH * CS0150X R	MOC	CS0150	
07	03	64		(BLANK)	MOC	043U	
07	03	65	B	FLO CAL * 120F-30	MOC	CSM12I	07
07	03	66		(BLANK)	MOC	043U	
07	03	67		(BLANK)	MOC	043U	
07	03	68	W	RNG SEP A * CD1154X	MOC	CD1154	
07	03	69	W	SLA SEP B * CD0124X	MOC	CD0124	
07	03	70	W	MN DIS B * CE0322X	MOC	CE0322	
07	03	71	A	PROBE T * CS0220T	MOC	CS0220	
07	03	72	G	MC&W * CS0150X R	MOC	CS0150	
07	05	01	A	MAIN A V * CC0206V	MOC	CC0206	
07	05	02	A	AC 1 ØA V * CC0200V	MOC	CC0200	40
07	05	03	A	TOTAL SC * CURRENT	MOC	CSM4003C	
07	05	04	A	FC1 CUR * SC2113C	MOC	SC2113	
07	05	05	A	FC2 CUR * SC2114C	MOC	SC2114	
07	05	06	A	FC3 CUR * SC2115C	MOC	SC2115	
07	05	07	A	FC1 O2 P * SC2066P	MOC	SC2066	
07	05	08	A	FC2 O2 P * SC2067P	MOC	SC2067	
07	05	09	A	FC3 O2 P * SC2068P	MOC	SC2068	
07	05	10	A	MAIN B V * CC0207V	MOC	CC0207	
07	05	11	A	AC 2 ØA V * CC0203V	MOC	CC0203	40
07	05	12		(BLANK)	MOC	043U	
07	05	13	A	FC 1% CUR * CSM4007C	MOC	CSM4007C	
07	05	14	A	FC 2% CUR * CSM4008C	MOC	CSM4008C	
07	05	15	A	FC 3% CUR * CSM4009C	MOC	CSM4009C	
07	05	16	A	FC1 H2 P * SC2069P	MOC	SC2069	
07	05	17	A	FC2 H2 P * SC2070P	MOC	SC2070	
07	05	18	A	FC3 H2 P * SC2071P	MOC	SC2071	
07	05	19	A	BAT BUS A * CC0210V	MOC	CC0210	
07	05	20	A	BAT A CUR * CC0222C	MOC	CC0222	
07	05	21		(BLANK)	MOC	043U	
07	05	22	A	FC1 O2 FL * SC2142R	MOC	SC2142	
07	05	23	A	FC2 O2 FL * SC2143R	MOC	SC2143	
07	05	24	A	FC3 O2 FL * SC2144R	MOC	SC2144	
07	05	25	A	FC1 * O2/H2 ΔP	MOC	CSM2501C	38
07	05	26	A	FC2 * O2/H2 ΔP	MOC	CSM2502C	38
07	05	27	A	FC3 * O2/H2 ΔP	MOC	CSM2503C	38
07	05	28	A	BAT BUS B * CC0211V	MOC	CC0211	
07	05	29	A	BAT B CUR * CC0223C	MOC	CC0223	
07	05	30		(BLANK)	MOC	043U	
07	05	31	A	FC1 H2 FL * SC2139R	MOC	SC2139	
07	05	32	A	FC2 H2 FL * SC2140R	MOC	SC2140	
07	05	33	A	FC3 H2 FL * SC2141R	MOC	SC2141	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	05	34	W	FC1 PH HI * SC2160X	MOC	SC2160	
07	05	35	W	FC2 PH HI * SC2161X	MOC	SC2161	
07	05	36	W	FC3 PH HI * SC2162X	MOC	SC2162	
07	05	37	A	BAT RLY V * CC0232V	MOC	CC0232	
07	05	38	A	BAT C CUR * CC0224C	MOC	CC0224	
07	05	39		(BLANK)	MOC	043U	
07	05	40	A	FC1 ΔVOLT * CSM3201C	MOC	CSM3201C	38
07	05	41	A	FC2 ΔVOLT * CSM3202C	MOC	CSM3202C	38
07	05	42	A	FC3 ΔVOLT * CSM3203C	MOC	CSM3203C	38
07	05	43	A	FC1 TSKIN * SC2084T	MOC	SC2084	
07	05	44	A	FC2 TSKIN * SC2085T	MOC	SC2085	
07	05	45	A	FC3 TSKIN * SC2086T	MOC	SC2086	
07	05	46	A	INVER 1 T * CC0175T	MOC	CC0175	
07	05	47	A	ENG PRESS * SP0661P	MOC	SP0661	
07	05	48	A	SM BAT V * SC0230V	MOC	SC0230	
07	05	49		(BLANK)	MOC	043U	
07	05	50		(BLANK)	MOC	043U	
07	05	51		(BLANK)	MOC	043U	
07	05	52	A	FC 1 TCE * SC2081T	MOC	SC2081	
07	05	53	A	FC 2 TCE * SC2082T	MOC	SC2082	
07	05	54	A	FC 3 TCE * SC2083T	MOC	SC2083	
07	05	55	A	INVER 2 T * CC0176T	MOC	CC0176	
07	05	56	A	BAT CHGR * CC0215C	MOC	CC0215	
07	05	57		(BLANK)	MOC	043U	
07	05	58		(BLANK)	MOC	043U	
07	05	59	G	MC&W LTCH * CS0150X R	MOC	CS0150	
07	05	60		(BLANK)	MOC	043U	
07	05	61	A	FC1 RAD I * SC2090T	MOC	SC2090	
07	05	62	A	FC2 RAD I * SC2091T	MOC	SC2091	
07	05	63	A	FC3 RAD I * SC2092T	MOC	SC2092	
07	05	64	A	INVER 3 T * CC0177T	MOC	CC0177	
07	05	65	A	LM HTR C * CC2962C	MOC	CC2962	
07	05	66		(BLANK)	MOC	043U	
07	05	67		(BLANK)	MOC	043U	
07	05	68	G	MC&W * CS0150X R	MOC	CS0150	
07	05	69		(BLANK)	MOC	043U	
07	05	70	A	FC1 RAD O * SC2087T	MOC	SC2087	
07	05	71	A	FC2 RAD O * SC2088T	MOC	SC2088	
07	05	72	A	FC3 RAD O * SC2089T	MOC	SC2089	
07	09	01	A	O2 1 QTY * SC0032Q	MOC	SC0032	
07	09	02	A	O2 2 QTY * SC0033Q	MOC	SC0033	
07	09	03	A	O2 3 QTY * SC0051Q	MOC	SC0051	
07	09	04	A	O2 MAN FL * CF0035R	MOC	CF0035	
07	09	05	A	P RAD IN * SF0260T	MOC	SF0260	
07	09	06	A	P ACC QTY * CF0019Q	MOC	CF0019	
07	09	07	A	POT H2O Q * CF0010Q	MOC	CF0010	
07	09	08	A	S RAD IN * SF0262T	MOC	SF0262	
07	09	09		(BLANK)	MOC	043U	
07	09	10	A	O2 1 PRESS * SC0037P	MOC	SC0037	
07	09	11	A	O2 2 PRESS * SC0038P	MOC	SC0038	
07	09	12	A	O2 3 PRES * SC0053P	MOC	SC0053	
07	09	13	A	SURGE P * CF0006P	MOC	CF0006	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	09	14	W	RAD V PS2 * SF0266X	MOC	SF0266	
07	09	15	A	P PMP OUT * CF0016P	MOC	CF0016	
07	09	16	A	WST H2O Q * CF0009Q	MOC	CF0009	
07	09	17	A	S RAD OUT * SF0263T	MOC	SF0263	
07	09	18		(BLANK)	MOC	043U	
07	09	19	A	O2 1 TEMP * SC0041T	MOC	SC0041	
07	09	20	A	O2 2 TEMP * SC0042T	MOC	SC0042	
07	09	21	A	O2 3 TEMP * SC0055T	MOC	SC0055	
07	09	22	A	O2 MAN P * CF0036P	MOC	CF0036	
07	09	23	A	P RAD OUT * CF0020T	MOC	CF0020	
07	09	24	A	P GLY FLO * CF0157R	MOC	CF0157	
07	09	25	A	H2O DUMP * CF0461T	MOC	CF0461	
07	09	26	A	S EV OUT * CF0071T	MOC	CF0071	
07	09	27		(BLANK)	MOC	043U	
07	09	28	A	O2 1 HTR * SC0070T	MOC	SC0070	
07	09	29	A	O2 2 HTR * SC0071T	MOC	SC0071	
07	09	30	A	O2 3 HTR * SC0072T	MOC	SC0072	
07	09	31	A	CABIN P * CF0001P	MOC	CF0001	
07	09	32	A	P EVAP IN * CF0181T	MOC	CF0181	
07	09	33		(BLANK)	MOC	043U	
07	09	34	A	URINE NOZ * CF0460T	MOC	CF0460	
07	09	35	A	S STM P * CF0073P	MOC	CF0073	
07	09	36		(BLANK)	MOC	043U	
07	09	37		(BLANK)	MOC	043U	
07	09	38		(BLANK)	MOC	043U	
07	09	39	A	O2 2/3 P * SC0069P	MOC	SC0069	
07	09	40	A	SUIT P * CF0012P	MOC	CF0012	
07	09	41	A	P STM T * CF0017T	MOC	CF0017	
07	09	42	A	SU OUT T * CF0008T	MOC	CF0008	
07	09	43		(BLANK)	MOC	043U	
07	09	44	A	S ACC QTY * CF0072Q	MOC	CF0072	
07	09	45		(BLANK)	MOC	043U	
07	09	46	A	H2 1 QTY * SC0030Q	MOC	SC0030	
07	09	47	A	H2 2 QTY * SC0031Q	MOC	SC0031	
07	09	48	A	H2 3 QTY * SC0050Q	MOC	SC0050	
07	09	49	A	H2O/RES P * CF0120P	MOC	CF0120	
07	09	50	A	P STM P * CF0034P	MOC	CF0034	
07	09	51	A	CABIN T * CF0002T	MOC	CF0002	
07	09	52		(BLANK)	MOC	043U	
07	09	53	A	S PMP OUT * CF0070P	MOC	CF0070	
07	09	54		(BLANK)	MOC	043U	
07	09	55	A	H2 1 PRES * SC0039P	MOC	SC0039	
07	09	56	A	H2 2 PRES * SC0040P	MOC	SC0040	
07	09	57	A	H2 3 PRES * SC0052P	MOC	SC0052	
07	09	58	A	COMP ΔP * CF0015P	MOC	CF0015	38
07	09	59	A	P EV OUT * CF0018T	MOC	CF0018	
07	09	60		(BLANK)	MOC	043U	
07	09	61		(BLANK)	MOC	043U	
07	09	62		(BLANK)	MOC	043U	
07	09	63	G	MC&W LTCH * CS0150X R	MOC	CS0150	
07	09	64	A	H2 1 TEMP * SC0043T	MOC	SC0043	
07	09	65	A	H2 2 TEMP * SC0044T	MOC	SC0044	
07	09	66	A	H2 3 TEMP * SC0054T	MOC	SC0054	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	09	67	A	SU/CAB ΔP * CF0003P	MOC	CF0003	38
07	09	68		(BLANK)	MOC	043U	
07	09	69	A	CO2 PAR P * CF0005P	MOC	CF0005	
07	09	70		(BLANK)	MOC	043U	
07	09	71		(BLANK)	MOC	043U	
07	09	72	G	MC&W * CS0150X R	MOC	CS0150	
07	10	01	W	CSM * EECOM * 1	PBI	16	
07	10	02	W	PLOTS	PBI	21	
07	10	03	W	MISC	PBI	24	
07	10	04		(BLANK)	PBI	043U	
07	10	05		(BLANK)	PBI	043U	
07	10	06		(BLANK)	PBI	043U	
07	10	07		(BLANK)	PBI	043U	
07	10	08		(BLANK)	PBI	043U	
07	10	09		(BLANK)	PBI	043U	
07	10	10		(BLANK)	PBI	043U	
07	10	11		(BLANK)	PBI	043U	
07	10	12		(BLANK)	PBI	043U	
07	13	01	R	ELECTRICAL	PBI	31-15	
07	13	01	A			043B	
07	13	01	G			043B	
07	13	02	R	INSTRUMEN- * TATION	PBI	31-19	
07	13	02	A			043B	
07	13	02	G			043B	
07	13	03	R	ENVIRON * MENTAL	PBI	20-19	
07	13	03	A			043B	
07	13	03	G			043B	
07	13	04	R	COOLANT	PBI	20-15	
07	13	04	A			043B	
07	13	04	G			043B	
07	13	05		(BLANK)	PBI	043U	
07	13	05				043B	
07	13	05				043B	
07	13	06		(BLANK)	PBI	043U	
07	13	06				043B	
07	13	06				043B	
07	13	07	R	ABORT * REQUESTED	PBI	002A	
07	13	08	R	(STATUS REPORT)	PBI	123S	
07	13	09	A	(STATUS REPORT)	PBI	123S	
07	13	10	G	(STATUS REPORT)	PBI	123S	
07	18					043B	32
07	18					043B	1G
07	18	01U	W	CSM AGC * LEVEL	PBI	041C	
07	18	01L	W	OFF	PBI	0020	
07	18	02A		SITE PM RCVR VOLTAGE-CSM	DAC	AGCVOLTCM	
07	18	02B		(UNASSIGNED)	DAC	043U	
07	19	01U	R	FC1 CUR * SC2113C	MOC	SC2113	
07	19	01L	R	FC1 O2 FL * SC2142R	MOC	SC2142	
07	19	02U	R	FC3 CUR * SC2115C	MOC	SC2115	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
07	19	02L	R	FC3 O2 FL * SC2144R	MOC	SC2144	
07	19	03U	R	MAIN A V * CC0206V	MOC	CC0206	
07	19	03L	R	MAIN B V * CC0207V	MOC	CC0207	
07	19	04U	R	AC 1 ØA V * CC0200V	MOC	CC0200	40
07	19	04L	R	AC 2 ØA V * CC0203V	MOC	CC0203	40
07	19	05U	R	P PMP OUT * CF0016P	MOC	CF0016	
07	19	05L	R	P RAD IN * SF0260T	MOC	SF0260	
07	19	06U	R	O2 1 PRES * SC0037P	MOC	SC0037	
07	19	06L	R	O2 1 HTR * SC0070T	MOC	SC0070	
07	19	07U	R	FC1 H2 FL * SC2139R	MOC	SC2139	
07	19	07L	R	FC2 CUR * SC2114C	MOC	SC2114	
07	19	08U	R	FC3 H2 FL * SC2141R	MOC	SC2141	
07	19	08L	R	BAT A CUR * CC0222C	MOC	CC0222	
07	19	09U	R	BAT BUS A * CC0210V	MOC	CC0210	
07	19	09L	R	BAT BUS B * CC0211V	MOC	CC0211	
07	19	10U	R	MC&W * CS0150X R	MOC	CS0150	
07	19	10L	R	COMP ΔP * CF0015P	MOC	CF0015	38
07	19	11U	R	CABIN P * CF0001P	MOC	CF0001	
07	19	11L	R	H2 1 PRES * SC0039P	MOC	SC0039	
07	19	12U	R	O2 2 PRES * SC0038P	MOC	SC0038	
07	19	12L	R	O2 2 HTR * SC0071T	MOC	SC0071	
07	19	13U	R	FC2 O2 FL * SC2143R	MOC	SC2143	
07	19	13L	R	FC2 H2 FL * SC2140R	MOC	SC2140	
07	19	14U	R	BAT B CUR * CC0223C	MOC	CC0223	
07	19	14L	R	BAT C CUR * CC0224C	MOC	CC0224	
07	19	15U	R	BAT RLY V * CC0232V	MOC	CC0232	
07	19	15L	R	LM HTR C * CC2962C	MOC	CC2962	
07	19	16U	R	P ACC QTY * CF0019Q	MOC	CF0019	
07	19	16L	R	S ACC QTY * CF0072Q	MOC	CF0072	
07	19	17U	R	H2 2 PRES * SC0040P	MOC	SC0040	
07	19	17L	R	H2 3 PRES * SC0052P	MOC	SC0052	
07	19	18U	R	O2 3 PRES * SC0053P	MOC	SC0053	
07	19	18L	R	O2 3 HTR * SC0072T	MOC	SC0072	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	02	01	B	ALL GNC * DISABLE	MOC	CSMCATGNC	
08	02	02	A	P RATE * CH3503R	MOC	CH3503	
08	02	03	A	Y RATE * CH3504R	MOC	CH3504	
08	02	04	A	R RATE * CH3505R	MOC	CH3505	
08	02	05	A	HE TK 1 P * CR0001P	MOC	CR0001	
08	02	06	A	HE TK A P * SR5001P	MOC	SR5001	
08	02	07	A	HE TK B P * SR5002P	MOC	SR5002	
08	02	08	A	HE TK C P * SR5003P	MOC	SR5003	
08	02	09	A	HE TK D P * SR5004P	MOC	SR5004	
08	02	10	B	SEP LIM * DISABLE	MOC	CSMCATE	
08	02	11	A	P ATT ERR * CH3500H	MOC	CH3500	
08	02	12	A	Y ATT ERR * CH3501H	MOC	CH3501	
08	02	13	A	R ATT ERR * CH3502H	MOC	CH3502	
08	02	14	A	HE TK 1 T * CR0003T	MOC	CR0003	
08	02	15	A	HE TK A T * SR5013T	MOC	SR5013	
08	02	16	A	HE TK B T * SR5014T	MOC	SR5014	
08	02	17	A	HE TK C T * SR5015T	MOC	SR5015	
08	02	18	A	HE TK D T * SR5016T	MOC	SR5016	
08	02	19	B	ISS LIM * DISABLE	MOC	CSMCATD	
08	02	20	A	P SER ERR * CG2117V	MOC	CG2117	
08	02	21	A	Y SER ERR * CG2147V	MOC	CG2147	
08	02	22	A	R SER ERR * CG2177V	MOC	CG2177	
08	02	23	A	HE MN 1 P * CR0035P	MOC	CR0035	
08	02	24	A	PKG A T * SR5065T	MOC	SR5065	
08	02	25	A	PKG B T * SR5066T	MOC	SR5066	
08	02	26	A	PKG C T * SR5067T	MOC	SR5067	
08	02	27	A	PKG D T * SR5068T	MOC	SR5068	
08	02	28	B	SCS ERR * DISABLE	MOC	CSMCATB	
08	02	29	A	MTVC P * CH3585H	MOC	CH3585	
08	02	30	A	MTVC Y * CH3586H	MOC	CH3586	
08	02	31	A	MTVC R * CH3587H	MOC	CH3587	
08	02	32	A	HE TK 2 P * CR0002P	MOC	CR0002	
08	02	33	A	QD A MANF * CSMLS01	MOC	CSMLS01	
08	02	34	A	QD B MANF * CSMLS02	MOC	CSMLS02	
08	02	35	A	QD C MANF * CSMLS03	MOC	CSMLS03	
08	02	36	A	QD D MANF * CSMLS04	MOC	CSMLS04	
08	02	37	B	QUAD A * DISABLE	MOC	CSMCATG	
08	02	38	A	ATVC P * CH3582V	MOC	CH3582	
08	02	39	A	ATVC Y * CH3583V	MOC	CH3583	
08	02	40	A	TM BIAS * CG1110V	MOC	CG1110	
08	02	41	A	HE TK 2 T * CR0004T	MOC	CR0004	
08	02	42	A	HE TK P * SP0001P	MOC	SP0001	
08	02	43	A	OX TK P * SP0003P	MOC	SP0003	
08	02	44	A	F/O 1 * SP0022H	MOC	SP0022	
08	02	45	A	PRI FU TK * CSMLS07	MOC	CSMLS07	
08	02	46	B	QUAD B * DISABLE	MOC	CSMCATH	
08	02	47	A	P GIMBAL * CH3517H	MOC	CH3517	
08	02	48	A	Y GIMBAL * CH3518H	MOC	CH3518	
08	02	49	A	PIPA TEMP * CG2300T	MOC	CG2300	
08	02	50	A	HE MN 2 P * CR0036P	MOC	CR0036	
08	02	51	A	HE TK T * SP0017T	MOC	SP0017	
08	02	52	A	OX INT P * SP0931P	MOC	SP0931	
08	02	53	A	F/O 2 * SP0023H	MOC	SP0023	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	02	54	A	OX TK TMP * CSMLS08	MOC	CSMLS08	
08	02	55	B	QUAD C * DISABLE	MOC	CSMCATI	
08	02	56	A	P DIF CUR * CH3666C	MOC	CH3666	
08	02	57	A	Y DIF CUR * CH3667C	MOC	CH3667	
08	02	58	A	IMU 800HZ * CG1201V	MOC	CG1201	
08	02	59	A	3.2 KH 28 * CG1331V	MOC	CG1331	
08	02	60	A	GN2 A P * SP0600P	MOC	SP0600	
08	02	61	A	FU TK P * SP0006P	MOC	SP0006	
08	02	62	A	F/O 3 * SP0024H	MOC	SP0024	
08	02	63	A	THERMAL T * CSMLS06	MOC	CSMLS06	
08	02	64	B	QUAD D * DISABLE	MOC	CSMCATK	
08	02	65	A	S CDU DAC * CG3721V	MOC	CG3721	
08	02	66	A	T CDU DAC * CG3722V	MOC	CG3722	
08	02	67	A	PIPA +120 * CG1040V	MOC	CG1040	
08	02	68	G	P/T * CORR	MOC	CSM02I	
08	02	69	A	GN2 B P * SP0601P	MOC	SP0601	
08	02	70	A	FU INT P * SP0930P	MOC	SP0930	
08	02	71	A	F/O 4 * SP0025H	MOC	SP0025	
08	02	72	A	SPS LINES * CSMLS05	MOC	CSMLS05	
08	03	01	G	P ATT 1R2 * CH3638X	MOC	CH3638	
08	03	02	G	Y ATT 1R2 * CH3641X	MOC	CH3641	
08	03	03	G	R ATT 1R2 * CH3635X	MOC	CH3635	
08	03	04	G	COAR ALGN * 912C1204S	MOC	CH12B04	
08	03	05	B	COAST * ALIGN	MOC	AGC06E	
08	03	06	B	IMU OPER * 931C3009R	MOC	CH30B09	
08	03	07	B	CSM * LIVE	CCATS	299C	
08	03	08	B	RHC ACTV * C31B6-1R	MOC	AGC13E	
08	03	09	B	MIC ACTV * C32B6-1R	MOC	AGC12E	
08	03	10	A	P RATE 2 * CH3639X	MOC	CH3639	
08	03	11	A	Y RATE 2 * CH3642X	MOC	CH3642	
08	03	12	A	R RATE 2 * CH3636X	MOC	CH3636	
08	03	13	G	IMU CAGE * 931C3011R	MOC	CH30B11	
08	03	14	B	RENDZ * P-THRUST	MOC	AGC07E	
08	03	15	B	IMU HTR28 * CG1513X	MOC	CG1513	
08	03	16	A	CSM * STATIC	CCATS	300C	
08	03	17	A	BL INLINK * 921C1306S	MOC	CH13B06	
08	03	18	B	THC ACTV * C31B12-7R	MOC	AGC30E	
08	03	19	G	FDAI 5/5 * CH3592X	MOC	CH3592	
08	03	20	G	MN DB.5/4 * CH3588X	MOC	CH3588	
08	03	21	G	HOLD/AUTO * 932C3114S	MOC	CH31B14	
08	03	22	G	ICDU ZERO * 912C1205S	MOC	CH12B05	
08	03	23	B	POWER	MOC	AGC05E	
08	03	24	B	OPT 28VAC * CG1533X	MOC	CG1533	
08	03	25	A	CSM * LFI	CCATS	358C	
08	03	26	B	TC +X CMD * CH3574X	MOC	CH3574	
08	03	27	B	TC -X CMD * CH3575X	MOC	CH3575	
08	03	28	G	FDAI15-10 * CH3593X	MOC	CH3593	
08	03	29	G	H/R 8/4 * CH3590X	MOC	CH3590	
08	03	30	G	FREE/AUTO * 932C3113S	MOC	CH31B13	
08	03	31	G	GY ENABLE * 922C1406S	MOC	CH14B06	
08	03	32	B	ENTRY * UPDATE	MOC	AGC08E	
08	03	33	B	CMC +28V * CG1523X	MOC	CG1523	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	03	34	B	CMC * LIVE	CCATS	302C	
08	03	35	B	TC +Y CMD * CH3576X	MOC	CH3576	
08	03	36	B	TC -Y CMD * CH3577X	MOC	CH3577	
08	03	37	G	OPTCMC/MN * 942C3304S	MOC	CH33B04	
08	03	38	G	RO.2/2.0 * 821D0101S	MOC	DD1B01	
08	03	39	G	DAP DB5. * 821D0104S	MOC	DD1B04	
08	03	40	G	DRCT RCS1 * CH3601X	MOC	CH3601	
08	03	41	B	PROG * 22	MOC	AGC10E	
08	03	42		(BLANK)	MOC	043U	
08	03	43	A	CMC * STATIC	CCATS	303C	
08	03	44	B	TC +Z CMD * CH3578X	MOC	CH3578	
08	03	45	B	TC -Z CMD * CH3579X	MOC	CH3579	
08	03	46	G	OPTZRO/MN * 942C3305S	MOC	CH33B05	
08	03	47	G	RO.5/2.0 * 821D0102S	MOC	DD1B02	
08	03	48	A	ISS WARN * 911C1101S	MOC	CH11B01	
08	03	49	G	DRCT RCS2 * CH3602X	MOC	CH3602	
08	03	50		(BLANK)	MOC	043U	
08	03	51		(BLANK)	MOC	043U	
08	03	52	A	CMC * LFI	CCATS	330C	
08	03	53	B	P ACC CMD * CH3612X	MOC	CH3612	
08	03	54	B	P MIN IMP * CH3613X	MOC	CH3613	
08	03	55	G	OPT EC EN * 912C1202S	MOC	CH12B02	
08	03	56	A	ICDU FAIL * 931C3012R	MOC	CH30B12	
08	03	57	A	IMU FAIL * 931C3013R	MOC	CH30B13	
08	03	58	B	CG LM/CSM * CH3600X	MOC	CH3600	
08	03	59	B	OPT CURVE * SPS GMBL	MOC	CSM14I	
08	03	60		(BLANK)	MOC	043U	
08	03	61	B	CSM EVENTS * PLAYBACK	MOC	600PA	
08	03	62	B	Y ACC CMD * CH3615X	MOC	CH3615	
08	03	63	B	Y MIN IMP * CH3616X	MOC	CH3616	
08	03	64	G	IMU EC EN * 912C1206S	MOC	CH12B06	
08	03	65	A	OCDU FAIL * 931C3007R	MOC	CH30B07	
08	03	66	A	PIPA FAIL * 942C3313R	MOC	CH33B13	
08	03	67	A	LIM CYCLE * CH3606X R	MOC	CH3606	
08	03	68	B	SPS AUX * QUANTITY	MOC	CSM15I	
08	03	69	A	MC&W LTCH * CS0150X R	MOC	CS0150	
08	03	70	A	MC&W * CS0150X R	MOC	CS0150	
08	03	71	B	R ACC CMD * CH3609X	MOC	CH3609	
08	03	72	B	R MIN IMP * CH3610X	MOC	CH3610	
08	04	01U	R	HE TK P * SP0001P	MOC	SP0001	
08	04	01L	R	OX TK P * SP0003P	MOC	SP0003	
08	04	02U		(BLANK)	MOC	043U	
08	04	02L	R	OX INT P * SP0931P	MOC	SP0931	
08	04	03U	R	HE TK A P * SR5001P	MOC	SR5001	
08	04	03L	R	HE P/T A * SR5025Q	MOC	SR5025	
08	04	04U	R	HE TK B P * SR5002P	MOC	SR5002	
08	04	04L	R	HE P/T P * SR5026Q	MOC	SR5026	
08	04	05U	R	CMC WARN * CG5040X R	MOC	CG5040	
08	04	05L	R	MG IX COS * CG2143V	MOC	CG2143	
08	04	06U	R	CMC WARN * 942C3314R	MOC	CH33B14	
08	04	06L	R	ISS WARN * 911C1101S	MOC	CH11B01	
08	04	07U	R	FU TK P * SP0006P	MOC	SP0006	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	04	07L	R	GN2 A P * SP0600P	MOC	SP0600	
08	04	08U	R	FU INT P * SP0930P	MOC	SP0930	
08	04	08L	R	GN2 B P * SP0601P	MOC	SP0601	
08	04	09U	R	FU MN A P * SR5737P	MOC	SR5737	
08	04	09L	R	HE TK C P * SR5003P	MOC	SR5003	
08	04	10U	R	FU MN B P * SR5784P	MOC	SR5784	
08	04	10L	R	HE TK D P * SR5004P	MOC	SR5004	
08	04	11U	R	GY 1 SMRD * CH3623X R	MOC	CH3623	
08	04	11L	R	GY 2 SMRD * CH3624X R	MOC	CH3624	
08	04	12U	R	OCDU FAIL * 931C3007R	MOC	CH30807	
08	04	12L	R	CHAN 77 * C77B1-9S	MOC	AGC32E	
08	04	13U	R	HE TK 1 P * CR0001P	MOC	CR0001	
08	04	13L	R	HE MN 1 P * CR0035P	MOC	CR0035	
08	04	14U	R	HE TK 2 P * CR0002P	MOC	CR0002	
08	04	14L	R	HE MN 2 P * CR0036P	MOC	CR0036	
08	04	15U	R	HE P/T C * SR5027Q	MOC	SR5027	
08	04	15L	R	FU MN C P * SR5822P	MOC	SR5822	
08	04	16U	R	HE P/T D * SR5028Q	MOC	SR5028	
08	04	16L	R	FU MN D P * SR5823P	MOC	SR5823	
08	04	17U		(BLANK)	MOC	043U	
08	04	17L		(BLANK)	MOC	043U	
08	04	18	R	MC&W * CS0150X R	MOC	CS0150	
08	09	01	W	GNC * SYS	PBI	20	
08	09	02	W	PLOTS	PBI	21	
08	09	03	W	CMC * TABS	PBI	26	
08	09	04	W	TAPE * PLAY- * BACK	PBI	23	
08	09	05	W	MISC	PBI	24	
08	09	06		(BLANK)	PBI	043U	
08	09	07		(BLANK)	PBI	043U	
08	09	08		(BLANK)	PBI	043U	
08	09	09		(BLANK)	PBI	043U	
08	09	10		(BLANK)	PBI	043U	
08	09	11		(BLANK)	PBI	043U	
08	09	12		(BLANK)	PBI	043U	
08	12	01	R	CSM SUPPT * 32L	PBI	32-15	
08	12	01	A		PBI	043B	
08	12	01	G		PBI	043B	
08	12	02	R	CSM SUPPT * 32R	PBI	32-19	
08	12	02	A		PBI	043B	
08	12	02	G		PBI	043B	
08	12	03		(BLANK)	PBI	043U	
08	12	03				043B	
08	12	03				043B	
08	12	04		(BLANK)	PBI	043U	
08	12	04				043B	
08	12	04				043B	
08	12	05		(BLANK)	PBI	043U	
08	12	05				043B	
08	12	05				043B	
08	12	06		(BLANK)	PBI	043U	
08	12	06				043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	12	06				043B	
08	12	07	R	ABORT * REQUESTED	PBI	002A	
08	12	08	R	(STATUS REPORT)	PBI	123S	
08	12	09	A	(STATUS REPORT)	PBI	123S	
08	12	10	G	(STATUS REPORT)	PBI	123S	
08	13	01	W	ISS * LIM * DISABL	R/CIM	CSMCATD	
08	13	02		(BLANK)	R/CIM	043U	
08	13	03	W	QUAD * A * DISABL	R/CIM	CSMCATG	
08	13	04	W	QUAD * C * DISABL	R/CIM	CSMCATI	
08	13	05	W	PROP * DATA * POINT	R/CIM	093P	
08	13	06		(BLANK)	R/CIM	043U	
08	13	07	W	SEP * LIM * DISABL	R/CIM	CSMCATE	
08	13	08	W	QUAD * B * DISABL	R/CIM	CSMCATH	
08	13	09	W	QUAD * D * DISABL	R/CIM	CSMCATK	
08	13	10	W	G&N * DATA * POINT	R/CIM	127G	
08	13	11		(BLANK)	R/CIM	043U	
08	13	12	W	SCS * ERR * DISABL	R/CIM	CSMCATB	
08	13	13		(BLANK)	R/CIM	043U	
08	13	14	W	ALL * GNC * DISABL	R/CIM	CSMCATGNC	
08	13	15	W	CMC * DATA * POINT	R/CIM	329C	
08	13	16	B	LAUNCH * LIMITS	R/CIM	CSMCATJ	
08	13	17	B	ENTRY * LIMITS	R/CIM	CSMCATZ	
08	13	18	B	EECOM * ALL * LIM	R/CIM	CSMCATECM	
08	13	19	B	CO2 * CAL	R/CIM	CSM09I	
08	13	20	B	EECOM * EPS * DATA * POINT	R/CIM	071E	
08	13	21	B	FC 1 * LIMITS	R/CIM	CSMCATV	
08	13	22	B	FC 2 * LIMITS	R/CIM	CSMCATW	
08	13	23	B	FC 3 * LIMITS	R/CIM	CSMCATX	
08	13	24	B	GLY FLO * CAL	R/CIM	CSM11I	
08	13	25	B	EECOM * ECS * DATA * POINT	R/CIM	070E	
08	13	26	W	WEIGHT * CALC	R/CIM	010W	
08	13	27	W	P/T * CORR * ΔV * COMP	R/CIM	CSM02I	38
08	13	28		(BLANK)	R/CIM	043U	
08	13	29		(BLANK)	R/CIM	043U	
08	13	30		(BLANK)	R/CIM	043U	
08	13	31	W	SPS AUX * QUANTITY	R/CIM	CSM15I	
08	13	32	W	OPTICS * CAL * CURVE	R/CIM	048O	
08	13	33	W	PIPA * BIAS	R/CIM	140P	
08	13	34	W	BROAD- * CAST	R/CIM	030B	
08	13	35	W	PLAYBACK	R/CIM	128P	
08	13	36	W	LIMIT * LIGHTS * RESET	R/CIM	208L	
08	13	37	W	LIMITS * DISABL	R/CIM	223L	
08	13	38	W	LIMITS * ENABLE	R/CIM	224L	
08	13	39	W	EXECUTE	PBI	031E	
08	13	40	W	CLEAR	PBI	028C	
08	14	01U	B	TVC ENABL * 912C1208S	MOC	CH12B08	
08	14	01L	G	S4 ULLAGE * 931C3001R	MOC	CH30B01	
08	14	02U	B	A/P CONT * 932C3115R	MOC	CH31B15	
08	14	02L	G	SPS READY * 931C3003R	MOC	CH30B03	
08	14	03U	G	A CH3558X * 1 +R +Y	STRIP	CH3558	
08	14	03L	G	A -P +X A * 4 CH3547 14	STRIP	CH3547	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	14	04U	G	A CH3561X * 2 -R -Y	STRIP	CH3561	
08	14	04L	G	A +P -X B * 3 CH3548 23	STRIP	CH3548	
08	14	05U	G	SCS RCS A * CD0170X	MOC	CD0170	
08	14	05L	G	SCS RCS B * CD0171X	MOC	CD0171	
08	14	06U	G	CM RCS A * CD0173X	MOC	CD0173	
08	14	06L	G	CM RCS B * CD0174X	MOC	CD0174	
08	14	07U	G	D CH3555X B * 2 -R +Z 22	STRIP	CH3555	
08	14	07L	G	D +R -Z B * 1 CH3556X 21	STRIP	CH3556	
08	14	08U	G	D CH3553X A * 4 -Y -X 16	STRIP	CH3553	
08	14	08L	G	D +Y +X B * 3 CH3550X 25	STRIP	CH3550	
08	14	09U	G	ENG ON * 911C1113S	MOC	CH11B13	
08	14	09L	A	ENG PRESS * SP0661P	MOC	SP0661	
08	14	10U	G	SPS D1 * CH3604X R	MOC	CH3604	
08	14	10L	G	SPS D2 * CH3605X R	MOC	CH3605	
08	14	11U	G	B CH3552X A * 3 +Y -X 15	STRIP	CH3552	
08	14	11L	G	B -Y +X B * 4 CH3551X 26	STRIP	CH3551	
08	14	12U	G	B CH3554X A * 1 +R +Z 11	STRIP	CH3554	
08	14	12L	G	B -R -Z A * 2 CH3557X 12	STRIP	CH3557	
08	14	13U	A	GY 1 SMRD * CH3623X R	MOC	CH3623	
08	14	13L	A	GY 2 SMRD * CH3624X R	MOC	CH3624	
08	14	14U	G	TGOKNOW * 411F0209S	MOC	FW2B09	
08	14	14L	A	SC CN SCS * CH3607X	MOC	CH3607	
08	14	15U	G	CH3546X A * 3 +P+X 13	STRIP	CH3546	
08	14	15L	G	C -R +Y * 2 CH3559X	STRIP	CH3559	
08	14	16U	G	C CH3549B * 4 -P-X 24	STRIP	CH3549	
08	14	16L	G	C +R -Y * 1 CH3560X	STRIP	CH3560	
08	14	17U	A	CREW ABRT * CD0130X	MOC	CD0130	
08	14	17L	A	CREW ABRT * CD0131X	MOC	CD0131	
08	14	18U	G	SLA SEP A * CD0123X	MOC	CD0123	
08	14	18L	G	CSM SEP A * CD0023X	MOC	CD0023	
08	18	01U	G	CREWREADY * 432F0712S	MOC	FW7B12	
08	18	01L	A	IGN FLAG * 432F0713S	MOC	FW7B13	
08	18	02U	G	AVER RUN * 432F0706S	MOC	FW7B06	
08	18	02L	W	P 20 RUN * 401F0007S	MOC	FW0B07	
08	18	03U	G	CSM/S4 * 821D0113S	MOC	DD1B13	
08	18	03L	G	CSM-LM/S4 * 821D0114S	MOC	DD1B14	
08	18	04U	W	RCS/ST DP * 431F0614S	MOC	FW6B14	
08	18	04L	W	TVC/ST DP * 431F0615S	MOC	FW6B15	
08	18	05U	G	P11 POLY * 432F0707S	MOC	FW7B07	
08	18	05L	A	CDU TRANS * 772F1109S	MOC	FW11B09	
08	18	06U	A	CMC WARN * CG5040X R	MOC	CG5040	
08	18	06L	A	CMC WARN * 942C3314R	MOC	CH33B14	
08	18	07U	G	ENG CMDON * 422F0507S	MOC	FW5B07	
08	18	07L	A	KKK FAIL * 432F0704S	MOC	FW7B04	
08	18	08U	G	VHF * SOURCE	MOC	AGC01E	
08	18	08L	G	VHF DATOK * 942C3302R	MOC	CH33B02	
08	18	09U	G	CSM/LM-AS * 821D0115S	MOC	DD1B15	
08	18	09L	G	AC ROLL * 822D0213S	MOC	DD2B13	
08	18	10U	G	SAT NOIMU * 772F1110S	MOC	FW11B10	
08	18	10L	G	2 JET RCS * 402F0115S	MOC	FW1B15	
08	18	11U	A	AK OVRFLW * 432F0705S	MOC	FW7B05	
08	18	11L	A	SAT TKOVR * 931C3010R	MOC	CH30B10	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
08	18	12	A	PGM CAUT * 502K1109S	MOC	DT11B09	
08	18	13U	G	A OK * 822D0210S	MOC	DD2B10	
08	18	13L	G	C OK * 822D0204S	MOC	DD2B04	
08	18	14U	G	B OK * 822D0207S	MOC	DD2B07	
08	18	14L	G	D OK * 822D0201S	MOC	DD2B01	
08	18	15U	G	X TRAN AC * 821D0110S	MOC	DD1B10	
08	18	15L	G	X TRAN BD * 821D0107S	MOC	DD1B07	
08	18	16U	G	KAL ENBL * 802H0015S	MOC	HFLB15	
08	18	16L	G	NDLTOTAT * 401F0009S	MOC	FW0B09	
08	18	17U	A	UP TM BLK * 942C3310R	MOC	CH33B10	
08	18	17L	G	N22ERNDS * 442F0906S	MOC	FW9B06	
08	18	18U	A	GMBL LOCK * 502K1106S	MOC	DT11B06	
08	18	18L	A	NO ATT * 502K1104S	MOC	DT11B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	01	01U	A	GY0201X-1 * ED A K1-6	MOC	GY0201	
09	01	01L	A	GY0202X-1 * ED B K1-6	MOC	GY0202	
09	01	02U	A	GH1323X-1 * P TRM FL	MOC	GH1323	
09	01	02L	A	GH1330X-1 * R TRM FL	MOC	GH1330	
09	01	03U	B	GC4362X-1 * BAT 1 LOW	MOC	GC4362	
09	01	03L	B	GC4368X-1 * BAT 4 LOW	MOC	GC4368	
09	01	04U	B	GC4371X-1 * BAT 5 LMPN	MOC	GC4371	
09	01	04L	B	GC4370X-1 * BAT 6 CDRN	MOC	GC4370	
09	01	05U	A	GC9961U-1 * BAT 1 MAL	MOC	GC9961	
09	01	05L	A	GC9962U-1 * BAT 2/L MAL	MOC	GC9962	
09	01	06U	B	GC4361X-1 * BAT 1 HI	MOC	GC4361	
09	01	06L	B	GC4363X-1 * BAT 2 HI	MOC	GC4363	
09	01	07U	A	GY0231X-0 * ED A K7-15	MOC	GY0231	
09	01	07L	A	GY0232X-0 * ED B K7-15	MOC	GY0232	
09	01	08U	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
09	01	08L	A	GY0050X-1 * ABORT CMD	MOC	GY0050	
09	01	09U	B	GM5000U-0 * GR N DPLY	MOC	GM5000	
09	01	09L	A	GL0400X-1 * OSC FL 1	MOC	GL0400	
09	01	10U	B	GC4369X-1 * BAT 5 CDRB	MOC	GC4369	
09	01	10L	B	GC4372X-1 * BAT 6 LMPB	MOC	GC4372	
09	01	11U		(BLANK)	MOC	043U	
09	01	11L		(BLANK)	MOC	043U	
09	01	12U	B	GC4364X-1 * BAT L LMP	MOC	GC4364	
09	01	12L	B	GC4366X-1 * BAT L CDR	MOC	GC4366	
09	01	13U	A	GL4054X-1 * C&W FAIL	MOC	GL4054	
09	01	13L	W	GL4069X-1 * MSTR ALRM	MOC	GL4069	
09	01	14U	A	GH1230X-1 * APS ARM	MOC	GH1230	
09	01	14L	A	GH1348X-1 * DPS ARM	MOC	GH1348	
09	01	15U		(BLANK)	MOC	043U	
09	01	15L	A	GL4047X-0 * BAT MAL	MOC	GL4047	
09	01	16U	A	GC9965U-1 * BAT 5 MAL	MOC	GC9965	
09	01	16L	A	GC9966U-1 * BAT 6 MAL	MOC	GC9966	
09	01	17U	A	GC9963U-1 * BAT 3/L MAL	MOC	GC9963	
09	01	17L	A	GC9964U-1 * BAT 4 MAL	MOC	GC9964	
09	01	18U	B	GC4365X-1 * BAT 3 HI	MOC	GC4365	
09	01	18L	B	GC4367X-1 * BAT 4 HI	MOC	GC4367	
09	02	01U	R	GF2921P * SEC GLY P	MOC	GF2921	
09	02	01L	R	GF9997U * G PUMP P	MOC	GF9997	
09	02	02U	R	GF3571P * CABIN P	MOC	GF3571	
09	02	02L	R	GF1301P * SUIT P	MOC	GF1301	
09	02	03U	R	GC1201C * BAT 1 C	MOC	GC1201	
09	02	03L	R	GC1202C * BAT 2 C	MOC	GC1202	
09	02	04U	R	GC0301V * CDR BUS V	MOC	GC0301	
09	02	04L	R	GC0302V * LMP BUS V	MOC	GC0302	
09	02	05U	R	GT8168P * PGA 1 P	MOC	GT8168	
09	02	05L	R	GT8182P * 1 O2 P	MOC	GT8182	
09	02	06U	R	GT8268P * PGA 2 P	MOC	GT8268	
09	02	06L	R	GT8282P * 2 O2 P	MOC	GT8282	
09	02	07U	R	GF9986U * GLY LOW	MOC	GF9986	
09	02	07L	R	GF2581T * GLY OUT T	MOC	GF2581	
09	02	08U	R	GF1083/4 * SF 1/2 MAL	MOC	LEM01CE	
09	02	08L	R	GF3582-4 * OXYGEN P	MOC	LEMCLS07	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	02	09U	R	GC1207C * BAT L C	MOC	GC1207	
09	02	09L	R	GC1203C * BAT 3 C	MOC	GC1203	
09	02	10U	R	GC0205/6 * BAT 5/6 V	MOC	LEMCLS09	
09	02	10L	R	GL4047X-0 * BAT MAL	MOC	GL4047	
09	02	11U	R	GT8170T * 1 O2 T	MOC	GT8170	
09	02	11L	R	GT8110P * 1 H2O P	MOC	GT8110	
09	02	12U	R	GT8270T * 2 O2 T	MOC	GT8270	
09	02	12L	R	GT8210P * 2 H2O P	MOC	GT8210	
09	02	13U	R	GY0201/2 * ED A/B K16	MOC	LEM36E	
09	02	13L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
09	02	14U	R	LM4609-11 * WATER Q	MOC	LEMCLS08	
09	02	14L	R	GF4101P * H2O ΔP	MOC	GF4101	38
09	02	15U	R	GC1204C * BAT 4 C	MOC	GC1204	
09	02	15L	R	GC1205C * BAT 5 C	MOC	GC1205	
09	02	16U	R	GC9965/6-1 * BAT 5/6 MAL	MOC	LEM02CE	
09	02	16L	R	GC1206C * BAT 6 C	MOC	GC1206	
09	02	17U	R	GT8140C * 1 BAT CUR	MOC	GT8140	
09	02	17L	R	GT8141V * 1 BAT V	MOC	GT8141	
09	02	18U	R	GT8240C * 2 BAT CUR	MOC	GT8240	
09	02	18L	R	GT8241V * 2 BAT V	MOC	GT8241	
09	03	01U	B	BAT 1 CLC * ENABLE	MOC	LEM06I	
09	03	01L	B	BAT 2 CLC * ENABLE	MOC	LEM07I	
09	03	02U	B	BAT 1 * LMP BUS	MOC	LEM36I	
09	03	02L	B	BAT 2 * LMP BUS	MOC	LEM37I	
09	03	03U	B	BAT L * CDR BUS	MOC	LEM41I	
09	03	03L	B	BAT 3 * CDR BUS	MOC	LEM42I	
09	03	04U	B	CO2 PP * CAB CAL	MOC	LEM16I	
09	03	04L	B	CO2 PP * EGR CAL	MOC	LEM17I	
09	03	05U	B	ALL TELMU * LIM DSABL	MOC	LEMCATECM	
09	03	05L	B	STAGED * LIM DSABL	MOC	LEMCAT2	
09	03	06U	B	EMU 1 CLC * ENABLE	MOC	LEM14I	
09	03	06L	B	EMU 2 CLC * ENABLE	MOC	LEM15I	
09	03	07U	B	BAT L CLC * ENABLE	MOC	LEM46I	
09	03	07L	B	BAT 3 CLC * ENABLE	MOC	LEM08I	
09	03	08U	B	BAT L * LMP BUS	MOC	LEM38I	
09	03	08L	B	BAT 5 * LMP BUS	MOC	LEM39I	
09	03	09U	B	BAT 4 * CDR BUS	MOC	LEM43I	
09	03	09L	B	BAT 5 * CDR BUS	MOC	LEM44I	
09	03	10U	B	DES BAT * CAL N/LMP	MOC	LEM32I	
09	03	10L	B	DES BAT * CAL N/CDR	MOC	LEM33I	
09	03	11U	B	ASC BAT * LIM DSABL	MOC	LEMCAT4	
09	03	11L	B	EMU * LIM DSABL	MOC	LEMCAT5	
09	03	12U	A	LEM31E * LBR	MOC	LEM31E	
09	03	12L	G	LM PM * DN LOCK	STRIP	LMUSB04	
09	03	13U	B	BAT 4 CLC * ENABLE	MOC	LEM09I	
09	03	13L	B	BAT 5 CLC * ENABLE	MOC	LEM10I	
09	03	14U	B	BAT 6 * LMP BUS	MOC	LEM40I	
09	03	14L	B	BAT 6 CLC * ENABLE	MOC	LEM11I	
09	03	15U	B	BAT 6 * CDR BUS	MOC	LEM45I	
09	03	15L	B	P/BBATCLC * DISABLE	MOC	LEM30I	
09	03	16U	B	DES BAT * CAL ZERO	MOC	LEM35I	
09	03	16L	A	ALL LM * LIM DSABL	MOC	609L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	03	17U	A	PRELAUNCH * LIM DSABL	MOC	LEMCAT3	
09	03	17L	B	TELMUCRIT * LIM DSABL	MOC	LEMCRTECM	
09	03	18U	G	LM * LIVE	CCATS	110L	
09	03	18L	A	LM * STATIC	CCATS	111L	
09	04	01U	G	GF1211/12 * S/RLF AUT	MOC	LEM01E	
09	04	01L	A	GF1212X-1 * S/RLF OPN	MOC	GF1212	
09	04	02U	G	GF1231/32 * C/RET AUT	MOC	LEM02E	
09	04	02L	A	GF1232X-1 * C/RET OPN	MOC	GF1232	
09	04	03U		(BLANK)	MOC	043U	
09	04	03L		(BLANK)	MOC	043U	
09	04	04U	A	GF1083X-1 * S/F 1 MAL	MOC	GF1083	
09	04	04L	A	GF1084X-1 * S/F 2 MAL	MOC	GF1084	
09	04	05U		(BLANK)	MOC	043U	
09	04	05L		(BLANK)	MOC	043U	
09	04	06U		(BLANK)	MOC	043U	
09	04	06L		(BLANK)	MOC	043U	
09	04	07U	A	GF1211X-1 * S/RLF CLS	MOC	GF1211	
09	04	07L	B	GF1202X-1 * LMP/S DIS	MOC	GF1202	
09	04	08U	B	GF1231X-1 * C/RET EGR	MOC	GF1231	
09	04	08L	B	GF1201X-1 * CDR/S DIS	MOC	GF1201	
09	04	09	B	GF1221X-1 * S/DIV EGR	MOC	GF1221	
09	04	10	A	GF3572X-1 * REPR ELEC	MOC	GF3572	
09	04	11U		(BLANK)	MOC	043U	
09	04	11L		(BLANK)	MOC	043U	
09	04	12U		(BLANK)	MOC	043U	
09	04	12L		(BLANK)	MOC	043U	
09	04	13U	A	GF3071X-1 * DMD A CLS	MOC	GF3071	
09	04	13L		(BLANK)	MOC	043U	
09	04	14U	A	GF3073X-1 * DMD B CLS	MOC	GF3073	
09	04	14L		(BLANK)	MOC	043U	
09	04	15	A	GF1241X * SEC CO2	MOC	GF1241	
09	04	16U	A	GF9986U-1 * GLY LOW	MOC	GF9986	
09	04	16L	A	GF2936X-1 * PUMP SW/O	MOC	GF2936	
09	04	17U		(BLANK)	MOC	043U	
09	04	17L		(BLANK)	MOC	043U	
09	04	18U		(BLANK)	MOC	043U	
09	04	18L		(BLANK)	MOC	043U	
09	05	01	A	GT8101V * 1 CAL 0	MOC	GT8101	
09	05	02	A	GT8196T * 1 LGC ΔT	MOC	GT8196	38
09	05	03	A	GT8140C * 1 BAT CUR	MOC	GT8140	
09	05	04	A	GT8168P * PGA 1 P	MOC	GT8168	
09	05	05	A	GF1301P * SUIT P	MOC	GF1301	
09	05	06	A	GF2021P * PUMP ΔP	MOC	GF2021	38
09	05	07	A	GC0071V * AC BUS V	MOC	GC0071	
09	05	08	A	GC1201C * BAT 1 C	MOC	GC1201	
09	05	09	A	GC0201V * BAT 1 V	MOC	GC0201	
09	05	10	A	GT8102V * 1 CAL 100	MOC	GT8102	
09	05	11	A	GT8154T * 1 LGC IN T	MOC	GT8154	
09	05	12	A	GT8141V * 1 BAT V	MOC	GT8141	
09	05	13	A	GT8182P * 1 O2 P	MOC	GT8182	
09	05	14	A	GF3571P * CABIN P	MOC	GF3571	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	05	15	A	GF9997U * G PUMP P	MOC	GF9997	
09	05	16	A	GC0155F * AC BUS F	MOC	GC0155	
09	05	17	A	GC1202C * BAT 2 C	MOC	GC1202	
09	05	18	A	GC0202V * BAT 2 V	MOC	GC0202	
09	05	19	A	GT8175P * 1 CO2 PP	MOC	GT8175	
09	05	20		(BLANK)	MOC	043U	
09	05	21	A	GT8170T * 1 O2 T	MOC	GT8170	
09	05	22	A	GT8110P * 1 H2O P	MOC	GT8110	
09	05	23	A	GF1521P * CO2 PP	MOC	GF1521	
09	05	24	A	GF9998U * GLY T	MOC	GF9998	
09	05	25	A	LM4501 * TOT CUR	MOC	LEM4501C	
09	05	26	A	GC1203C * BAT 3 C	MOC	GC1203	
09	05	27	A	GC0203V * BAT 3 V	MOC	GC0203	
09	05	28	A	GT8201V * 2 CAL 0	MOC	GT8201	
09	05	29	A	GT8296T * 2 LGC ΔT	MOC	GT8296	38
09	05	30	A	GT8240C * 2 BAT CUR	MOC	GT8240	
09	05	31	A	GT8268P * PGA 2 P	MOC	GT8268	
09	05	32	A	GF9999U * H2O SEP R	MOC	GF9999	
09	05	33	A	GF2581T * GLY OUT T	MOC	GF2581	
09	05	34	A	GC1207C * BAT L C	MOC	GC1207	
09	05	35	A	GC1204C * BAT 4 C	MOC	GC1204	
09	05	36	A	GC0204V * BAT 4 V	MOC	GC0204	
09	05	37	A	GT8202V * 2 CAL 100	MOC	GT8202	
09	05	38	A	GT8254T * 2 LGC IN T	MOC	GT8254	
09	05	39	A	GT8241V * 2 BAT V	MOC	GT8241	
09	05	40	A	GT8282P * 2 O2 P	MOC	GT8282	
09	05	41	A	GF1281T * SUIT TEMP	MOC	GF1281	
09	05	42	A	GF2531T * GLY IN T	MOC	GF2531	
09	05	43	A	GC0207V * BAT L V	MOC	GC0207	
09	05	44	A	GC1205C * BAT 5 C	MOC	GC1205	
09	05	45	A	GC0205V * BAT 5 V	MOC	GC0205	
09	05	46	A	GT8275P * 2 CO2 PP	MOC	GT8275	
09	05	47	A	GF4501P * D/H2O P	MOC	GF4501	
09	05	48	A	GT8270T * 2 O2 T	MOC	GT8270	
09	05	49	A	GT8210P * 2 H2O P	MOC	GT8210	
09	05	50	A	GF1651T * CABIN T	MOC	GF1651	
09	05	51	A	GF2921P * SEC GLY P	MOC	GF2921	
09	05	52	A	GL0402V * CAL 15%	MOC	GL0402	
09	05	53	A	GC1206C * BAT 6 C	MOC	GC1206	
09	05	54	A	GC0206V * BAT 6 V	MOC	GC0206	
09	05	55	A	LM4611 * D1 H2O Q#	MOC	LEM4611C	
09	05	56	A	LM4617 * D2 H2O Q#	MOC	LEM4617C	
09	05	57	A	LM4609 * A1 H2O Q#	MOC	LEM4609C	
09	05	58	A	LM4610 * A2 H2O Q#	MOC	LEM4610C	
09	05	59	A	GF3591P * U/H RLF P	MOC	GF3591	
09	05	60	A	GF4511T * W/B H2O T	MOC	GF4511	
09	05	61	A	GL0401V * CAL 85%	MOC	GL0401	
09	05	62	A	LM11412 * CDR BUS C	MOC	LEM11412C	
09	05	63	A	GC0301V * CDR BUS V	MOC	GC0301	
09	05	64	A	GF3584P * D1 O2 P	MOC	GF3584	
09	05	65	A	GF0584P * D2 O2 P	MOC	GF0584	
09	05	66	A	GF3582P * A1 O2 P	MOC	GF3582	
09	05	67	A	GF3583P * A2 O2 P	MOC	GF3583	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	05	68	A	GF3592P * F/H RLF P	MOC	GF3592	
09	05	69	A	GF4101P * H2O ΔP	MOC	GF4101	38
09	05	70	A	GL0422/3 * OSC 2/3 V	MOC	LEMLS09	
09	05	71	A	LM11411 * LMP BUS C	MOC	LEM11411C	
09	05	72	A	GC0302V * LMP BUS V	MOC	GC0302	
09	07					043B	32
09	07					043B	1G
09	07	01U	W	USB AGC * LEVEL	PBI	041U	
09	07	01L	W	OFF	PBI	002O	
09	07	02A		SITE PM RCVR VOLTAGE-LM	DAC	AGCVOLTLM	
09	07	02B		(UNASSIGNED)	DAC	043U	
09	10	01	W	ALL * TELMU * LIMITS	R/CIM	206A	
09	10	02	W	BAT * NO 1	R/CIM	170B	
09	10	03	W	B/U H2O * CALC * ZERO *	R/CIM	009B	
09	10	03		RESET	R/CIM	009B	
09	10	04	W	UP-28 * START * PLOT * 1053	R/CIM	023U	
09	10	05	W	UP-29 * START * PLOT * 1054	R/CIM	024U	
09	10	06	W	DES * STAGE * LIMITS	R/CIM	099D	
09	10	07	W	BAT * NO 2	R/CIM	171B	
09	10	08	W	O2/H2O * QTY * RATE * RESET	R/CIM	046O	
09	10	09	W	BAT * P/B COMP * ZERO	R/CIM	178B	
09	10	10	W	UP-30 * START * PLOT * 1055	R/CIM	025U	
09	10	11	W	ASC BAT * CURRENT * LIMIT	R/CIM	103A	
09	10	12	W	BAT L	R/CIM	016B	
09	10	13	W	EMU 1 * CALC * START	R/CIM	083E	
09	10	14	W	BAT * P/B * COMP * ENBL*	R/CIM	179B	
09	10	14		DSBL	R/CIM	179B	
09	10	15	W	UP-31 * START * PLOT * 1056	R/CIM	028U	
09	10	16	W	EMU * LIMITS	R/CIM	173S	
09	10	17	W	BAT * NO 3	R/CIM	172B	
09	10	18	W	EMU 2 * CALC * START	R/CIM	085E	
09	10	19	W	CO2 PP * CAL * CURVE *	R/CIM	381C	
09	10	19		CAB/EGR	R/CIM	381C	
09	10	20	W	UP-32 * START * PLOT * 1057	R/CIM	029U	
09	10	21	W	PRE- * LAUNCH * LIMITS	R/CIM	056E	
09	10	22	W	BAT * NO 4	R/CIM	173B	
09	10	23	W	LMP * BUS * CURRENT	R/CIM	102L	
09	10	24	W	EMU 1&2 * FORMAT * UPDATE *	R/CIM	080E	
09	10	24		79	R/CIM	081E	
09	10	25	W	UP-33 * START * PLOT * 1058	R/CIM	030U	
09	10	26	W	TELMU * CRIT * LIMITS	R/CIM	024T	
09	10	27	W	BAT * NO 5	R/CIM	174B	
09	10	28	W	CDR * BUS * CURRENT	R/CIM	105C	
09	10	29	W	TELMU * FORMAT *	R/CIM	058L	
09	10	29		UPDATE * 70	R/CIM	051U	
09	10	30	W	UP-34 * START * PLOT * 1059	R/CIM	033U	
09	10	31	W	BAT CAL * CURVE * N/LMP *	R/CIM	008B	
09	10	31		N/CDR * ZERO	R/CIM	008B	
09	10	32	W	BAT * NO 6	R/CIM	175B	
09	10	33	W	BAT * CALC	R/CIM	177B	
09	10	34	W	BROAD- * CAST	R/CIM	030B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
09	10	35	W	P/B * FMT * UPDATE	R/CIM	001P	
09	10	36	W	RESET * LIMIT * LIGHTS	R/CIM	025R	
09	10	37	W	DISABL * LIMITS	R/CIM	087D	
09	10	38	W	ENABLE * LIMITS	R/CIM	025E	
09	10	39	W	EXCUTE	PBI	031E	
09	10	40	W	CLEAR	PBI	028C	
09	12	01	W	LM * TELMU * 1	PBI	37	
09	12	02	W	CONTROL * R/T * 1	PBI	34	
09	12	03	W	CONTROL * SUMS * 1	PBI	33	
09	12	04	W	FIDO	PBI	35	
09	12	05		(BLANK)	PBI	043U	
09	12	06		(BLANK)	PBI	043U	
09	12	07	W	LM * TELMU * 2	PBI	39	
09	12	08	W	CONTROL * P/B * 1	PBI	32	
09	12	09	W	CONTROL * SUMS * 2	PBI	36	
09	12	10	W	CONTROL * P/B * 2	PBI	38	
09	12	11		(BLANK)	PBI	043U	
09	12	12		(BLANK)	PBI	043U	
09	15	01	R	INST	PBI	30-15	
09	15	01	A			043B	
09	15	01	G			043B	
09	15	02	R	EPS	PBI	30-19	
09	15	02	A			043B	
09	15	02	G			043B	
09	15	03	R	ECS	PBI	21-11	
09	15	03	A			043B	
09	15	03	G			043B	
09	15	04	R	PLSS	PBI	21-17	
09	15	04	A			043B	
09	15	04	G			043B	
09	15	05	R	PLSS 1	PBI	33-15	
09	15	05	A			043B	
09	15	05	G			043B	
09	15	06	R	PLSS 2	PBI	33-19	
09	15	06	A			043B	
09	15	06	G			043B	
09	15	07	R	ABORT * REQUESTED	PBI	002A	
09	15	08	R	(STATUS REPORT)	PBI	123S	
09	15	09	A	(STATUS REPORT)	PBI	123S	
09	15	10	G	(STATUS REPORT)	PBI	123S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	01	A				043B	23
10	01	A		(SLV OVERLAY FORMAT)		041S	
10	01	A				043B	
10	01	A01U	G	SIC ENG 1 * TOK NO 1	MOC	K0033-115	
10	01	A01L	G	SIC ENG 1 * TOK NO 2	MOC	K0034-115	
10	01	A02U	G	SIC ENG 2 * TOK NO 1	MOC	K0036-115	
10	01	A02L	G	SIC ENG 2 * TOK NO 2	MOC	K0037-115	
10	01	A03U	G	SIC ENG 3 * TOK NO 1	MOC	K0039-115	
10	01	A03L	G	SIC ENG 3 * TOK NO 2	MOC	K0040-115	
10	01	A04U	G	SIC ENG 4 * TOK NO 1	MOC	K0042-115	
10	01	A04L	G	SIC ENG 4 * TOK NO 2	MOC	K0043-115	
10	01	A05U	G	SIC ENG 5 * TOK NO 1	MOC	K0045-115	
10	01	A05L	G	SIC ENG 5 * TOK NO 2	MOC	K0046-115	
10	01	A06U	G	SIC HE * VLV 1 OP	MOC	K0059-118	
10	01	A06L	G	SIC HE * VLV 2 OP	MOC	K0060-118	
10	01	A07U	R	SIC ENG 1 * CUTOFF	MOC	K0052-115	
10	01	A07L	G	SII ENG 1 * TOK NO 1	MOC	K0231-201	
10	01	A08U	R	SIC ENG 2 * CUTOFF	MOC	K0053-115	
10	01	A08L	G	SII ENG 2 * TOK NO 1	MOC	K0231-202	
10	01	A09U	R	SIC ENG 3 * CUTOFF	MOC	K0054-115	
10	01	A09L	G	SII ENG 3 * TOK NO 1	MOC	K0231-203	
10	01	A10U	R	SIC ENG 4 * CUTOFF	MOC	K0055-115	
10	01	A10L	G	SII ENG 4 * TOK NO 1	MOC	K0231-204	
10	01	A11U	R	SIC ENG 5 * CUTOFF	MOC	K0056-115	
10	01	A11L	G	SII ENG 5 * TOK NO 1	MOC	K0231-205	
10	01	A12U	G	SIC HE * VLV 3 OP	MOC	K0061-118	
10	01	A12L	G	SIC HE * VLV 4 OP	MOC	K0062-118	
10	01	A13U	G	SII ENG 1 * TOK NO 2	MOC	K0232-201	
10	01	A13L	G	SIC LOX * VENT OPEN	MOC	K0064-120	
10	01	A14U	G	SII ENG 2 * TOK NO 2	MOC	K0232-202	
10	01	A14L	G	S-IC FUEL * VENT OPEN	MOC	K0065-118	
10	01	A15U	G	SII ENG 3 * TOK NO 2	MOC	K0232-203	
10	01	A15L	G	SII FUEL * VENT CL 1	MOC	K0155-219	
10	01	A16U	G	SII ENG 4 * TOK NO 2	MOC	K0232-204	
10	01	A16L	G	SII FUEL * VENT CL 2	MOC	K0156-219	
10	01	A17U	G	SII ENG 5 * TOK NO 2	MOC	K0232-205	
10	01	A17L	G	SII LOX * VENT CL 1	MOC	K0157-207	
10	01	A18U	A	SIC HE * VLV 5 OP	MOC	K0063-118	
10	01	A18L	G	SII LOX * VENT CL 2	MOC	K0158-207	
10	01	A				043B	23
10	01	A		(L/EEB OVERLAY FORMAT)		078L	
10	01	A				043B	
10	01	A01U	A	PAN V/H * CMD V	MOC	SL1030	
10	01	A01L	A	PAN * ELECT T	MOC	SL1032	
10	01	A02U	A	PAN EXPOS * CMD	MOC	SL1038	
10	01	A02L	A	PAN LENS * BARREL T	MOC	SL1039	
10	01	A03U	A	PAN N2 * TANK T	MOC	SL1212	
10	01	A03L	A	PAN N2 * LINE T	MOC	SL1211	
10	01	A04U	A	MET FWD * LENS T	MOC	SL1160	
10	01	A04L	A	MET LENS * BARREL T	MOC	SL1161	
10	01	A05U	A	LASER * PMT V	MOC	SL1092	
10	01	A05L	A	LASER * PFN V	MOC	SL1093	
10	01	A06U	B	NO LASER * OUTPUT	MOC	SIM02E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	01	A06L	B	LASER Q * SW SPEED	MOC	SIM03E	
10	01	A07U	A	PAN FRAME * ROL POSIT	MOC	SL1033	
10	01	A07L	A	PAN SHUTL * POSITION	MOC	SL1034	
10	01	A08U	A	PAN FWD * LENS T	MOC	SL1040	
10	01	A08L	A	PAN AFT * LENS T	MOC	SL1041	
10	01	A09U		(BLANK)	MOC	043U	
10	01	A09L		(BLANK)	MOC	043U	
10	01	A10U	A	STL FWD * LENS T	MOC	SL1162	
10	01	A10L	A	STL LENS * BARREL T	MOC	SL1163	
10	01	A11U	A	LASER * CAVITY T	MOC	SL1094	
10	01	A11L	A	LASER -5V * ABSENT	MOC	SL1091	
10	01	A12U	B	NO LASER * KRY TRIG	MOC	SIM04E	
10	01	A12L		(BLANK)	MOC	043U	
10	01	A13U	A	PAN LENS * TORQ I	MOC	SL1035	
10	01	A13L	A	PAN FMC * TACH V	MOC	SL1037	
10	01	A14U	A	PAN * MECH T	MOC	SL1042	
10	01	A14L	A	PAN N2 * TANK P	MOC	SL1043	
10	01	A15U		(BLANK)	MOC	043U	
10	01	A15L	B	MET IMAGE * MOT OFF	MOC	SL1165	
10	01	A16U	A	MET T * CASSETTE	MOC	SL1164	
10	01	A16L	A	MET SHUT * DISC SPD	MOC	SL1166	
10	01	A17U	B	LASER +5V * ABSENT	MOC	SIM05E	
10	01	A17L	B	LASER RNG * OVERFLOW	MOC	SIM06E	
10	01	A18U		(BLANK)	MOC	043U	
10	01	A18L		(BLANK)	MOC	043U	
10	02	A				043B	23
10	02	A		(SLV OVERLAY FORMAT)		041S	
10	02	A				043B	
10	02	A01U	G	EDS READY	CASTS-	033E	
10	02	A01L	G	INFLIGHT * POWER	CASTS-	042I	
10	02	A02U	G	LV READY	CASTS-	044L	
10	02	A02L	G	SLV L/O * (TB1)	MOC	GMW1D25	
10	02	A03U	G	TIMER ENG * C/O ENABL	MOC	K0074-602	
10	02	A03L	G	SS ENG * C/O ENABL	MOC	K0073-602	
10	02	A04U		(BLANK)	STRIP	043U	
10	02	A04L		(BLANK)	MOC	043U	
10	02	A05U	G	SS09 ENG * EDS OFF	MOC	SS09	
10	02	A05L	G	SS08 PYR * OFF INH	MOC	SS08	
10	02	A06U	G	SS12 SIC * LLS ARM	MOC	SS12	
10	02	A06L	B	SS13 SII * LOX LLS A	MOC	SS13	
10	02	A07U	R	S/C STG * SW ON	MOC	K0085-602	
10	02	A07L	R	BEGIN * TB4A	MOC	GMW2D17	
10	02	A08U	A	EDS/MAN A * C/O OF LV	MOC	K0075-602	
10	02	A08L	A	EDS/MAN B * C/O OF LV	MOC	K0076-602	
10	02	A09U	G	SS18 CMD * SYS ENABL	MOC	SS18	
10	02	A09L		(BLANK)	MOC	043U	
10	02	A10U	G	CCS * IN LOCK	MOC	J0077-603	
10	02	A10L	G	70 KHZ * IN LOCK	MOC	J0078-603	
10	02	A11U	G	SIC * LIVE	CCATS	401S	
10	02	A11L	G	SIVB * LIVE	CCATS	228S	
10	02	A12U	G	SII * LIVE	CCATS	354S	
10	02	A12L	G	SIU * LIVE	CCATS	061I	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	02	A13U	R	GUID * REF FAIL	MOC	GMW2D08	
10	02	A13L	R	GUID * REF FAIL	MOC	GMW2D08	
10	02	A14U	B	IU/CMC * SW TO CMC	MOC	DIRD11	
10	02	A14L	B	SC CNTROL * OF SATURN	MOC	K0019-602	
10	02	A15U	R	EXCESS * RATE ROLL	MOC	K0083-602	
10	02	A15L	R	EXCESS * P/Y RATE	MOC	K0084-602	
10	02	A16U	R	ABORT	MOC	K0072-602	
10	02	A16L	R	ABORT	MOC	K0072-602	
10	02	A17U	R	TLI SW * SAFE	MOC	DIRD08	
10	02	A17L	R	SII ACT * HRD INB	MOC	SII7612C	
10	02	A18U	R	S-IVB HYD * LEVEL	MOC	L0007-403	
10	02	A18L	G	SECOND * S-II SEP	MOC	GMW1D15	
10	02	A				043B	23
10	02	A		(L/EEB OVERLAY FORMAT)		078L	
10	02	A				043B	
10	02	A01U		(BLANK)	CASTS-	043U	
10	02	A01L		(BLANK)	CASTS-	043U	
10	02	A02U		(BLANK)	CASTS-	043U	
10	02	A02L	A	ALPHA 5V * DIG PS	MOC	SL1075	
10	02	A03U	A	X-RAY * LVPS SUM	MOC	SL1051	
10	02	A03L	A	X-RAY * DISC -12V	MOC	SL1053	
10	02	A04U	G	SUBSAT * LAUNCH	STRIP	SL1080	
10	02	A04L		(BLANK)	MOC	043U	
10	02	A05U	A	GAMMA * DET T	MOC	SL1085	
10	02	A05L	A	GAMMA * ELECT T	MOC	SL1086	
10	02	A06U	B	GAM VETO * DISABLE	MOC	SIM07E	
10	02	A06L	B	GAM ZERO * HV STEP	MOC	SIM01E	
10	02	A07U	A	ALPHA * DET T #2	MOC	SL1070	
10	02	A07L	A	ALPHA * LVPS T	MOC	SL1071	
10	02	A08U	A	ALPHA * DET T #1	MOC	SL1068	
10	02	A08L	A	ALPHA * 6.75V PS	MOC	SL1069	
10	02	A09U	A	X-RAY * 6.75V PS	MOC	SL1054	
10	02	A09L	A	X-RAY * 5V PS	MOC	SL1055	
10	02	A10U	A	X-RAY * SOL DET T	MOC	SL1061	
10	02	A10L	R	X-RAY * NO SYNC	MOC	SIM05I	
10	02	A11U		(BLANK)	CCATS	043U	
10	02	A11L		(BLANK)	CCATS	043U	
10	02	A12U		(BLANK)	CCATS	043U	
10	02	A12L		(BLANK)	CCATS	043U	
10	02	A13U	A	ALPHA * DET BIAS	MOC	SL1072	
10	02	A13L	A	ALPHA * DISC -12V	MOC	SL1073	
10	02	A14U	A	ALPHA * 6.75V ADC	MOC	SL1074	
10	02	A14L	A	ALPHA * LVPS SUM	MOC	SL1076	
10	02	A15U	A	X-RAY * PROCESS T	MOC	SL1056	
10	02	A15L	A	X-RAY * DET T	MOC	SL1057	
10	02	A16U	A	X-RAY * LVPS T	MOC	SL1059	
10	02	A16L	A	X-RAY * LUN DET T	MOC	SL1060	
10	02	A17U	R	GAMMA * NO SYNC	MOC	SIM01I	
10	02	A17L		(BLANK)	MOC	043U	
10	02	A18U		(BLANK)	MOC	043U	
10	02	A18L		(BLANK)	MOC	043U	
10	03	A				043B	23

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	03	A		(SLV OVERLAY FORMAT)		041S	
10	03	A				043B	
10	03	A01U	G	S-IVB ENG * READY	MOC	K0012-401	
10	03	A01L	G	ENG START * ON	MOC	K0021-404	
10	03	A02U	G	LH2 P/VLV * OPN	MOC	K0111-404	
10	03	A02L	A	LH2 P/VLV * CLS	MOC	K0112-404	
10	03	A03U	G	LOX P/VLV * OPN	MOC	K0109-403	
10	03	A03L	A	LOX P/VLV * CLS	MOC	K0110-403	
10	03	A04U	G	HE CONT * SOL EN	MOC	K0007-401	
10	03	A04L	G	IGN PH * SOL EN	MOC	K0006-401	
10	03	A05U	G	M/S CONT * SOL EN	MOC	K0005-401	
10	03	A05L	R	ENG C/O * LOCK IN	MOC	K0013-401	
10	03	A06U	G	M/S NO 1 * OK	MOC	K0014-401	
10	03	A06L	G	M/S NO 2 * OK	MOC	K0157-401	
10	03	A07U	B	LH2 PROP * VLV OPEN	MOC	K0181-404	
10	03	A07L	G	LH2 PROP * VLV CLSD	MOC	K0180-404	
10	03	A08U	B	LOX S/D * OPEN	MOC	K0192-403	
10	03	A08L	A	AMB * REPRESS	MOC	K0195-404	
10	03	A09U	B	ULLAGE * MOD I	MOC	D0220-414	
10	03	A09L	B	ULLAGE * MOD II	MOC	D0221-415	
10	03	A10U	G	MFV * OPEN	MOC	K0118-401	
10	03	A10L	G	LH2 BLD * VLV CLS	MOC	K0127-401	
10	03	A11U	G	MOV * OPEN	MOC	K0120-401	
10	03	A11L	G	LOX BLD * VLV CLS	MOC	K0126-401	
10	03	A12U	R	M/S NO 1 * NOT OK	MOC	K0158-401	
10	03	A12L	R	M/S NO 2 * NOT OK	MOC	K0159-401	
10	03	A13U	R	LOX * NPV OPEN	MOC	K0198-424	
10	03	A13L	G	LOX * NPV CLOSED	MOC	K0199-424	
10	03	A14U	R	LOX VENT * OPEN	MOC	K0016-404	
10	03	A14L	G	LOX VENT * CLOSE	MOC	K0002-424	
10	03	A15U	R	LH2 VENT * OPEN	MOC	K0017-410	
10	03	A15L	G	LH2 VENT * CLOSE	MOC	K0001-410	
10	03	A16U	R	LH2 LATCH * RLF OPN	MOC	K0211-410	
10	03	A16L	G	LH2 LATCH * RLF CLS	MOC	K0210-410	
10	03	A17U	G	CVS ORF * BY CLS	MOC	K0155-411	
10	03	A17L	G	CVS REG * SOL CLS	MOC	K0154-411	
10	03	A18U	R	RS 1 ARM	MOC	N0057-411	
10	03	A18L	R	RS 2 ARM	MOC	N0062-411	
10	03	A				043B	23
10	03	A		(L/EEB OVERLAY FORMAT)		078L	
10	03	A				043B	
10	03	A01U	A	MASS * +12 VDC	MOC	SIM42704C	
10	03	A01L	A	MASS * +5 VDC	MOC	SIM42705C	
10	03	A02U	B	MASS FIL * NO. 2 ON	MOC	SIM42710C	
10	03	A02L	A	LOW MASS * ELEC MULT	MOC	SIM42711C	
10	03	A03U	A	MASS MULT * GAIN HIGH	MOC	SIM42716C	
10	03	A03L	A	MASS DISC * GAIN LOW	MOC	SIM42717C	
10	03	A04U	A	STRUCTURE * TEMP SUM	MOC	CSMLS09	
10	03	A04L	R	SDS FORMT * CHANGE	MOC	ST0565	
10	03	A05U	A	PAN LIM * DISABLE	MOC	SIMCAT1	
10	03	A05L	A	MAP LIM * DISABLE	MOC	SIMCAT6	
10	03	A06U	A	SIM T LIM * DISABLE	MOC	SIMCAT7	
10	03	A06L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	03	A07U	A	MASS * -12 VDC	MOC	SIM42706C	
10	03	A07L	A	MASS * -15 VDC	MOC	SIM42707C	
10	03	A08U	A	HIGH MASS * ELEC MULT	MOC	SIM42712C	
10	03	A08L	A	MASS * SWEEP V	MOC	SIM42713C	
10	03	A09U	A	MASS * INSTMNT I	MOC	SIM42718C	
10	03	A09L	R	MASS FLAG * OVERRIDE	MOC	SIM06I	
10	03	A10U	A	SDS REF V * MASTER	MOC	ST0567	
10	03	A10L	A	SDS REF V * SLAVE	MOC	ST0568	
10	03	A11U	A	LASER LIM * DISABLE	MOC	SIMCAT5	
10	03	A11L	A	ALPHA LIM * DISABLE	MOC	SIMCAT3	
10	03	A12U		(BLANK)	MOC	043U	
10	03	A12L	G	ALPHA * ACCUM RUN	MOC	SIM03I	
10	03	A13U	A	MASS I * EMISSION	MOC	SIM42708C	
10	03	A13L	B	MASS FIL * NO. 1 ON	MOC	SIM42709C	
10	03	A14U	A	MASS * ELEC T	MOC	SIM42714C	
10	03	A14L	A	MASS ION * SOURCE T	MOC	SIM42715C	
10	03	A15U	R	MASS * NO SYNC	MOC	SIM07I	
10	03	A15L	R	SUBCOMM * NO SYNC	MOC	SIM08I	
10	03	A16U		(BLANK)	MOC	043U	
10	03	A16L		(BLANK)	MOC	043U	
10	03	A17U	A	X-RAY LIM * DISABLE	MOC	SIMCAT2	
10	03	A17L	A	MASS LIM * DISABLE	MOC	SIMCAT4	
10	03	A18U	G	X-RAY * ACCUM RUN	MOC	SIM04I	
10	03	A18L	G	GAMMA * ACCUM RUN	MOC	SIM02I	
10	04					043B	
10	04			(SIGNAL TO START CLOCK)		143S	
10	04					043B	
10	04			L/O	RTA	028L	
10	05	01U	A	Y ACC * FAIL B	MOC	GSWD21	
10	05	01L	A	Y ACC * FAIL A	MOC	GSWD22	
10	05	02U	A	P GIM * FAIL F	MOC	GSWD15	
10	05	02L	R	P GIM * FAIL B	MOC	GSWD16	
10	05	03U	R	EXCESS * P/Y RATE	MOC	K0084-602	
10	05	03L		(BLANK)	MOC	043U	
10	05	04U	R	EXCESS * RATE ROLL	MOC	K0083-602	
10	05	04L	A	EMR * BIT SET	MOC	SIU32E	
10	05	05U	R	MEM A * FAIL	MOC	EMRD24	
10	05	05L	R	MEM B * FAIL	MOC	EMRD25	
10	05	06U	R	TLC	MOC	EMRD26	
10	05	06L	W	LADDER A * FAIL	MOC	EMRD09	
10	05	07U	A	Z ACC * FAIL B	MOC	GSWD25	
10	05	07L	A	Z ACC * FAIL A	MOC	GSWD26	
10	05	08U	A	Y GIM * FAIL F	MOC	GSWD19	
10	05	08L	R	Y GIM * FAIL B	MOC	GSWD20	
10	05	09U		(BLANK)	MOC	043U	
10	05	09L		(BLANK)	MOC	043U	
10	05	10U	G	S-IC BURN * MODE	MOC	K0089-602	
10	05	10L	G	S-II BURN * MODE	MOC	K0090-602	
10	05	11U		(BLANK)	MOC	043U	
10	05	11L	R	SII ACT * HRD INB	MOC	SII7612C	
10	05	12U	G	SIVB * LIVE	CCATS	228S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	05	12L	G	SIU * LIVE	CCATS	061I	
10	05	13U	A	X ACC * FAIL B	MOC	GSWD23	
10	05	13L	A	X ACC * FAIL A	MOC	GSWD24	
10	05	14U	A	R GIM * FAIL F	MOC	GSWD17	
10	05	14L	R	R GIM * FAIL B	MOC	GSWD18	
10	05	15U	A	IU NO 3 * VOLTS	MOC	M0014-601	
10	05	15L	A	IU NO 1 * VOLTS	MOC	M0012-601	
10	05	16U	G	SIVB BURN * MODE	MOC	K0020-602	
10	05	16L	R	AIR BRNG * IN PRESS	MOC	D0011-603	
10	05	17U	A	BEGIN * TB4A	MOC	GMW2D17	
10	05	17L	W	SS08 PYR * OFF INH	MOC	SS08	
10	05	18	R	ABORT	MOC	K0072-602	
10	12	01	G	SLV * GRR	MOC	GMW1D26	
10	12	02	A	SIC INBD * OUT	MOC	GMW1D18	
10	12	03	G	SII/SIVB * SEP	MOC	GMW1D09	
10	12	04	G	SIVB IGN * 2ND BURN	MOC	GMW2D26	
10	12	05	G	PLAT FAIL * S/C S/O	MOC	GMW2D18	
10	12	06	G	BEGIN * TB6A	MOC	GMW2D10	
10	12	07	G	DCS * ENABLE	MOC	OMWD26	
10	12	08	G	NAV UPDT * RCVD	MOC	OMWD18	
10	12	09	G	CONTL RET * LOC HORIZ	MOC	OMWD10	
10	12	10	G	SLV L/O * (TB1)	MOC	GMW1D25	
10	12	11	A	SI OUTBD * OUT	MOC	GMW1D17	
10	12	12	G	SIVB * IGM1	MOC	GMW1D07	
10	12	13	G	GMW2D25	MOC	GMW2D25	
10	12	14	A	BEGIN * TB4A	MOC	GMW2D17	
10	12	15	A	TLC FAIL	MOC	GMW2D09	
10	12	16	G	TB8 CMD * ENABLED	MOC	OMWD25	
10	12	17	G	TB UPDATE * RCVD	MOC	OMWD17	
10	12	18	G	CONTL RET * ATT HOLD	MOC	OMWD09	
10	12	19	G	PITCH AND * ROLL STRT	MOC	GMW1D24	
10	12	20	G	SECOND * S-II SEP	MOC	GMW1D15	
10	12	21	G	SIVB * IGNITION	MOC	GMW1D06	
10	12	22	G	GMW2D24	MOC	GMW2D24	
10	12	23	G	GMW2D16	MOC	GMW2D16	
10	12	24	R	GUID * REF FAIL	MOC	GMW2D08	
10	12	25	G	OMWD24	MOC	OMWD24	
10	12	26	G	TRACK * LOC HORIZ	MOC	OMWD16	
10	12	27	G	H2O VALVE * LOGIC ON	MOC	OMWD08	
10	12	28	G	ROLL * COMPLETE	MOC	GMW1D23	
10	12	29	G	SII * IGM1	MOC	GMW1D14	
10	12	30	G	SIVB * IGM2	MOC	GMW1D05	
10	12	31	G	SIVB 2ND * TERM GUID	MOC	GMW2D23	
10	12	32	G	GMW2D15	MOC	GMW2D15	
10	12	33	G	TLI 2 * INHIBIT	MOC	GMW2D07	
10	12	34	G	OMWD23	MOC	OMWD23	
10	12	35	G	ATTITUDE * HOLD	MOC	OMWD15	
10	12	36	G	MAN 3 * INHIBIT	MOC	OMWD07	
10	12	37	G	GMW1D22	MOC	GMW1D22	
10	12	38	G	SII * IGM2	MOC	GMW1D13	
10	12	39	G	SIVB TERM * GUID 1	MOC	GMW1D04	
10	12	40	G	S-IVB * 2ND C/O	MOC	GMW2D22	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	12	41	G	GMW2D14	MOC	GMW2D14	
10	12	42	G	TLI 1 * INHIBIT	MOC	GMW2D06	
10	12	43	G	EXECUTE * MAN A	MOC	OMWD22	
10	12	44	G	S/C IN * CONTROL	MOC	OMWD14	
10	12	45	G	MAN 4 * INHIBIT	MOC	OMWD06	
10	12	46	G	TILT * ARREST	MOC	GMW1D21	
10	12	47	G	SII C/O * TB4	MOC	GMW1D12	
10	12	48	G	SIVB C/O * CMD 1	MOC	GMW1D03	
10	12	49	G	GMW2D21	MOC	GMW2D21	
10	12	50	G	GMW2D13	MOC	GMW2D13	
10	12	51	A	BEGIN * TB6C	MOC	GMW2D05	
10	12	52	G	ANT'S * LO GAIN	MOC	OMWD21	
10	12	53	G	TD&E * ENABLE	MOC	OMWD13	
10	12	54	G	MAN 5 * INHIBIT	MOC	OMWD05	
10	12	55	G	SIC IBECO * (TB2)	MOC	GMW1D20	
10	12	56	A	SII OUTBD * OUT	MOC	GMW1D11	
10	12	57	G	S-IVB C/O * TB5	MOC	GMW1D02	
10	12	58	G	SIVB C/O * TB7	MOC	GMW2D20	
10	12	59	G	LUNAR * IMPACT	MOC	GMW2D12	
10	12	60	G	TB6 VIA * S/C CMD	MOC	GMW2D04	
10	12	61	G	ANT'S * HI GAIN	MOC	OMWD20	
10	12	62	G	TARGET * UPDATE	MOC	OMWD12	
10	12	63	G	MAN 9 * INHIBIT	MOC	OMWD04	
10	12	64	G	SIC OBECO * (TB3)	MOC	GMW1D19	
10	12	65	A	SII INBD * OUT	MOC	GMW1D10	
10	12	66	G	SIVB RST * TB6	MOC	GMW1D01	
10	12	67	G	S/C INIT * SIVB C/O	MOC	GMW2D19	
10	12	68	G	SMC	MOC	GMW2D11	
10	12	69	G	BEGIN * TB6B	MOC	GMW2D03	
10	12	70	G	ANT'S * OMNI	MOC	OMWD19	
10	12	71	G	BEGIN * TB 8	MOC	OMWD11	
10	12	72	G	SEP MAN * INHIBIT	MOC	OMWD03	
10	14	01	R	STAGE	PBI	33-15	
10	14	01	A			043B	
10	14	01	G			043B	
10	14	02	R	SII/CMD	PBI	33-19	
10	14	02	A			043B	
10	14	02	G			043B	
10	14	03	R	GN/D	PBI	34-15	
10	14	03	A			043B	
10	14	03	G			043B	
10	14	04	R	ACS	PBI	34-19	
10	14	04	A			043B	
10	14	04	G			043B	
10	14	05	R	ENG	PBI	29-14	
10	14	05	A			043B	
10	14	05	G			043B	
10	14	06	R	ENS	PBI	29-19	
10	14	06	A			043B	
10	14	06	G			043B	
10	14	07	R	ABORT * REQUESTED	PBI	002A	
10	14	08	R	(STATUS REPORT)	PBI	123S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	14	09	A	(STATUS REPORT)	PBI	123S	
10	14	10	G	(STATUS REPORT)	PBI	123S	
10	15			ABORT LIGHT "ON"		310A	65
10	15					043B	
10	15	01U	W	CMD	CCATS	035C	
10	15	01L	W	RCVD	CCATS	004R	
10	15	02U		A ON (UPPER POSITION)	C/CIM	096A	89
10	15	02C		NEUTRAL (CENTER POSITION)	C/CIM	008N	
10	15	02L		B ON (LOWER POSITION)	C/CIM	164B	85
10	15	03	W	ABRT SW * CCATS * TEST	CCATS	272A	
10	17	01	W	MAIN * SUM * * 40	R/CIM	016M	
10	17	02	W	TIME * SUM * * 41	R/CIM	091T	
10	17	03	W	CONSUM * SUM * * 57	R/CIM	355C	
10	17	04	W	CONSUM * SUM * * 58	R/CIM	355C	
10	17	05		(BLANK)	R/CIM	043U	
10	17	06	W	GNC * CTGY * * 51	R/CIM	036G	
10	17	07	W	ENS * CTGY * * 52	R/CIM	003E	
10	17	08	W	PSS * CTGY * * 53	R/CIM	033P	
10	17	09		(BLANK)	R/CIM	043U	
10	17	10	W	SPECIAL * FUN 1 * * 42	R/CIM	374S	
10	17	11	W	SCALE * SWITCH	R/CIM	003S	
10	17	12	W	SPECIAL * FUN * CLEAR	R/CIM	018S	
10	17	13	W	HISTORY * CLEAR * 1	R/CIM	081H	
10	17	14	W	HISTORY * CLEAR * 2	R/CIM	082H	
10	17	15	W	SPECIAL * FUN 2 * * 43	R/CIM	375S	
10	17	16	W	UP * 4 * STRT * PLOT * 1430	R/CIM	047U	
10	17	17	W	UP * 5 * STRT * PLOT * 1431	R/CIM	048U	
10	17	18	W	START * TCO * COMP	R/CIM	005S	
10	17	19	W	START * TOT * COMP	R/CIM	006S	
10	17	20	W	UP * 1 * STRT * PLOT * 0034	R/CIM	044U	
10	17	21	W	UP * 6 * STRT * PLOT * 1432	R/CIM	049U	
10	17	22	W	UP * 7 * STRT * PLOT * 1433	R/CIM	050U	
10	17	23		(BLANK)	R/CIM	043U	
10	17	24		(BLANK)	R/CIM	043U	
10	17	25	W	UP * 2 * STRT * PLOT * 0035	R/CIM	045U	
10	17	26		(BLANK)	R/CIM	043U	
10	17	27		(BLANK)	R/CIM	043U	
10	17	28		(BLANK)	R/CIM	043U	
10	17	29		(BLANK)	R/CIM	043U	
10	17	30	W	UP * 3 * STRT * PLOT * 0036	R/CIM	046U	
10	17	31		(BLANK)	R/CIM	043U	
10	17	32		(BLANK)	R/CIM	043U	
10	17	33		(BLANK)	R/CIM	043U	
10	17	34	W	RE * BROAD * CAST	R/CIM	171R	
10	17	35	W	PLAY * BACK	R/CIM	013P	
10	17	36	W	RESET	R/CIM	020R	
10	17	37	W	DISABLE	R/CIM	010D	
10	17	38	W	DISABLE * REMOVE	R/CIM	031D	
10	17	39	W	EXECUTE	PBI	031E	
10	17	40	W	CLEAR	PBI	028C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	21					043B	24
10	21	01U	G	ENABLE	CCATS	012E	
10	21	01L	R	DISABLE	CCATS	010D	
10	21	02U	A	LOAD * MODE	CCATS	207L	
10	21	02L	B	RTC * MODE	CCATS	221R	
10	21	03U	R	UHF	CCATS	002U	
10	21	03L	G	USB	CCATS	031U	
10	21	04	A	SITE * SELECT	CCATS	066S	
10	21	04	G	CARRIER * ON	CCATS	010C	
10	21	05U	G	FC	CCATS	002F	
10	21	05L	R	M&O	CCATS	001M	
10	21	06	A	MAP * * OVRD	CCATS	023M	
10	21	07U	W	DATA * REJ	CCATS	081D	
10	21	07L	W	TM * REJ	CCATS	083T	
10	21	08U		(BLANK)	CCATS	043U	
10	21	08L		(BLANK)	CCATS	043U	
10	21	09U		(BLANK)	CCATS	043U	
10	21	09L		(BLANK)	CCATS	043U	
10	21	10U		(BLANK)	CCATS	043U	
10	21	10L		(BLANK)	CCATS	043U	
10	21	11U	W	VEH 1	CCATS	059V	
10	21	11L	W	VEH 2	CCATS	060V	
10	21	12U	W	VA 3 * LM	CCATS	061V	
10	21	12L	W	VA 4 * CSM	CCATS	065V	
10	21	13U	G	DSM * SELECT	CCATS	071D	
10	21	13L	R	CLEAR	CCATS	028C	
10	21	14	W	VERIFY * * CLEAR	CCATS	023V	
10	21	15U		(BLANK)	CCATS	043U	
10	21	15L		(BLANK)	CCATS	043U	
10	21	16U		(BLANK)	CCATS	043U	
10	21	16L		(BLANK)	CCATS	043U	
10	21	17U	W	VEH 5	CCATS	062V	
10	21	17L	W	VEH 6	CCATS	063V	
10	21	18U	G	VA 7 * SLV	CCATS	066V	
10	21	18L	W	VEH 8	CCATS	064V	
10	23					043B	24
10	23	01U	B	RTC	CCATS	234R	
10	23	01L	G	INITIATE	CCATS	009I	
10	23	02U	W	VERB	CCATS	031V	
10	23	02L	W	INITIATE	CCATS	009I	
10	23	03U	A	LOAD	CCATS	038L	
10	23	03L	G	INITIATE	CCATS	009I	
10	23	04U	W	LINE/LINE	CCATS	218L	
10	23	04L	W	INITIATE	CCATS	009I	
10	23	05U	W	COMPARE	CCATS	294C	
10	23	05L	W	INITIATE	CCATS	009I	
10	23	06U	W	CMD	CCATS	035C	
10	23	06L	W	TERMINATE	CCATS	007T	
10	23	07	W	0	CCATS	026N	
10	23	08	W	1	CCATS	027N	
10	23	09	W	2	CCATS	028N	
10	23	10	W	3	CCATS	029N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
10	23	11	W	4	CCATS	030N	
10	23	12U	G	SITE * VAL	CCATS	192S	
10	23	12L	R	RSCC * INVAL	CCATS	235R	
10	23	13	W	5	CCATS	031N	
10	23	14	W	6	CCATS	032N	
10	23	15	W	7	CCATS	033N	
10	23	16	W	8	CCATS	034N	
10	23	17	W	9	CCATS	035N	
10	23	18U	R	S/C REJ	CCATS	092S	
10	23	18L	A	GND REJ	CCATS	040G	
10	24					043B	24
10	24	01U	W	TERMINATE	CCATS	007T	
10	24	01L	G		CCATS	007T	
10	24	02U	W	SPARE	CCATS	159S	
10	24	02L	G	1	CCATS	027N	
10	24	03U	W	ALT * SEQ	CCATS	092A	
10	24	03L	B	6D	CCATS	027N	
10	24	04U	W	ALT * SEQ	CCATS	092A	
10	24	04L	G	2	CCATS	028N	
10	24	05U	W	ALT * SEQ	CCATS	092A	
10	24	05L	G	3	CCATS	029N	
10	24	06U	W	ALT * SEQ	CCATS	092A	
10	24	06L	G	4	CCATS	030N	
10	24	07U	R	LH2 VENT	CCATS	296L	
10	24	07L	G	OPEN	CCATS	060O	
10	24	08U	R	LH2 VENT	CCATS	296L	
10	24	08L	G	CLOSED	CCATS	408C	
10	24	09U	W	SPARE	CCATS	159S	
10	24	09L	G	2	CCATS	028N	
10	24	10U	A	LOX PRESS	CCATS	297L	
10	24	10L	G	SAFE	CCATS	449S	
10	24	11U	W	LOX NPV	CCATS	298L	
10	24	11L	G	OPEN ON	CCATS	061O	
10	24	12U	W	LOX NPV	CCATS	298L	
10	24	12L	G	OPEN OFF	CCATS	062O	
10	24	13U	B	S-IVB	CCATS	015S	
10	24	13L	G	CUTOFF	CCATS	365C	
10	24	14U	W	IU CMD	CCATS	115I	
10	24	14L	G	SYS * ENABLE	CCATS	397S	
10	24	15U	W	SPARE	CCATS	159S	
10	24	15L	G	3	CCATS	029N	
10	24	16U	W	MAN	CCATS	187M	
10	24	16L	G	A	CCATS	093A	
10	24	17U	W	MAN	CCATS	187M	
10	24	17L	G	B	CCATS	046B	
10	24	18U	W	SLINGSHOT	CCATS	450S	
10	24	18L	G	ENABLE	CCATS	012E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL		EQUIP. SOURCE	MEAS. NUMBER	NOTE
11	03	01	R	NO EVENT	(LES ABRT)	R/CIM	049LNE	25
11	03	02U	W	RTCC ON		MOC	049LEV	25
11	03	02L	G	LES ABORT		MOC	CSM05E	
11	03	03	A	EVENT	(LES ABRT)	R/CIM	049LEV	25
11	03	04		(BLANK)		R/CIM	043U	
11	03	05U		(BLANK)		MOC	043U	25
11	03	05L		(BLANK)		MOC	043U	25
11	03	06		(BLANK)		R/CIM	043U	
11	03	07	W	ABORT		R/CIM	001A	25
11	03	08	W	HOLD		R/CIM	017H	25
11	03	09	W	ORBIT		R/CIM	014O	25
11	03	10	W	ZERO LIFT		R/CIM	001Z	25
11	03	11	W	HALF LIFT		R/CIM	001H	25
11	03	12	W	MAX LIFT		R/CIM	030M	
11	03	13	R	NO EVENT	(THRUST)	R/CIM	179RNE	25
11	03	14U	W	RTCC * THRUST ON		MOC	179REV	
11	03	14L	G	SPS * IGNITION		MOC	CSM01E	
11	03	15	A	EVENT	(THRUST)	R/CIM	179REV	25
11	03	16	G	S-IVB ENG * IGN		MOC	SIU01E	
11	03	17	G	SPS * IGNITION		MOC	CSM01E	
11	03	18	G	LM * IGNITION		MOC	LEM27E	
11	05	01U	W	PRELAUNCH		MOC	022P	
11	05	01L	W	LAUNCH		MOC	601LC	
11	05	02U	G	COND * LAUNCH		MOC	053C	
11	05	02L	G	COND SIM * LNCH		MOC	054C	
11	05	03U	W	HIGH SPD * ORBIT		MOC	015H	
11	05	03L	G	L.S ORBIT		MOC	0140A	
11	05	04U	W	LM * DESCENT		MOC	265L	
11	05	04L	G	LM * ASCENT		MOC	266L	
11	05	05U	R	LUNAR * STAY		MOC	282L	
11	05	05L	G	ENTRY		MOC	017R	
11	05	06U	G	TRANS		MOC	103T	
11	05	06L	G	LUNAR * ORBIT		MOC	281L	
11	05	07U	G	HI PRIOR * LOADING		MOC	092H	
11	05	07L	A	LOW PRIOR * RESPONSE		MOC	267L	
11	05	08U	A	ENTRY TRJ * UPDATE		MOC	086E	
11	05	08L	A	S/C SET * ENTRY UPD		MOC	385S	
11	05	09U	A	CSM STA * CONTACTS		MOC	378C	
11	05	09L	A	LM STA * CONTACTS		MOC	268L	
11	05	10U	A	CSM DC		MOC	601DA	
11	05	10L	W	LM DC		MOC	601DB	
11	05	11U	W	CSM UPDT * INCOM		MOC	267C	
11	05	11L	W	LM UPDT * INCOM		MOC	200L	
11	05	12U	W	CSM TRAJ * UPDATE		MOC	065M	
11	05	12L	W	LM TRAJ * UPDATE		MOC	089L	
11	05	13U	W	RNDZ * PLANNING		MOC	251R	
11	05	13L	W	TLI * PLANNING		MOC	095T	
11	05	14U	W	MIDCOURSE * PLANNING		MOC	178M	
11	05	14L	W	LOI * PLANNING		MOC	279L	
11	05	15U	W	RTE * PLANNING		MOC	252R	
11	05	15L	W	PRIME * DEORBIT		MOC	024P	
11	05	16U	W	CONT * DEORBIT		MOC	056C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
11	05	16L	W	MANUAL * DEORB	MOC	155M	
11	05	17U	W	VECTOR * COMP PROC	MOC	071V	
11	05	17L	W	FDO SW'S * LIVE	MOC	007F	
11	05	18U	W	RESTART * TAPE	MOC	253R	
11	05	18L	A	RESIDUAL * COMP	MOC	273R	
11	08			(SIGNAL TO START CLOCK)		143S	
11	08			L/O	RTA	028L	
11	13	01	R	NO EVENT (L/O)	R/CIM	028LNE	25
11	13	02U	W	RTCC	MOC	028LEV	25
11	13	02L	G	LIFTOFF	MOC	028L	
11	13	03	A	EVENT (L/O)	R/CIM	028LEV	25
11	13	04	R	NO EVENT	R/CIM	363NNE	
11	13	05U	W	TWR JETT * EVENT	MOC	054TEV	25
11	13	05L	G	TWR * JETT	MOC	C0057-900	
11	13	06	A	EVENT	R/CIM	363NEV	
11	13	07	R	NO EVENT (S4B C/O)	R/CIM	144SNE	25
11	13	08U	W	S-IVB ENG * CUTOFF	MOC	144SEV	
11	13	08L	G	S-IVB ENG * CUTOFF	MOC	SIU02E	
11	13	09	A	EVENT (S4B C/O)	R/CIM	144SEV	25
11	13	10	R	NO EVENT (S4B/LM SEP)	R/CIM	211SNE	25
11	13	11U	W	SLA SEP * RTCC ON	MOC	088AEV	
11	13	11L	G	EDS ABT A * CD0135X	MOC	CD0135	
11	13	12	A	EVENT (S4B/LM SEP)	R/CIM	211SEV	25
11	13	13		(BLANK)	PBI	043U	
11	13	14U	W	GUID SEL * PGNS	MOC	110G	25
11	13	14L	W	GUID SEL * AGS	MOC	111G	25
11	13	15		(BLANK)	PBI	043U	
11	13	16	R	SET ΔH=D	R/CIM	001S	38
11	13	17U		(BLANK)	MOC	043U	25
11	13	17L		(BLANK)	MOC	043U	25
11	13	18	G	COMPUTE * ΔH	R/CIM	025C	38
11	14	01	W	LAUNCH	PBI	01	
11	14	02	W	FDO * E/O/TLI * MCC/LOI	PBI	02	
11	14	03	W	FDO * LUNAR * ORBIT	PBI	03	
11	14	04	W	GDO * E/O * TRANS L/E	PBI	04	
11	14	05	W	GDO * CSM * LUNAR	PBI	05	
11	14	06	W	GDO * LM * LUNAR	PBI	06	
11	14	07	W	RFO * LAUNCH	PBI	07	
11	14	08	W	RFO * EARTH * ORBIT	PBI	08	
11	14	09	W	RFO * COAST * LUNAR	PBI	09	
11	14	10	W	GDO * TAB * CMC	PBI	10	
11	14	11	W	GDO * TAB * LGC	PBI	11	
11	14	12		(BLANK)	PBI	043U	
11	16			ABORT LIGHT "ON"		310A	65
11	16					043B	
11	16	01U	W	CMD	CCATS	035C	
11	16	01L	W	RCVD	CCATS	004R	
11	16	02U		A ON (UPPER POSITION)	C/CIM	096A	87
11	16	02C		NEUTRAL (CENTER POSITION)	C/CIM	008N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
11	16	02L		B ON (LOWER POSITION)	C/CIM	164B	88
11	16	03	W	ABORT * SWITCH * CCATS *	CCATS	247A	
11	16	03		TEST	CCATS	049T	
11	17			SS CUTOFF		440S	65
11	17					043B	
11	17	01U		(BLANK)	CCATS	043U	
11	17	01L		(BLANK)	CCATS	043U	
11	17	02U		OFF (UPPER POSITION)	C/CIM	002O	91
11	17	02C		NEUTRAL (CENTER POSITION)	C/CIM	008N	
11	17	02L		BACKUP (LOWER POSITION)	C/CIM	001B	92
11	17	03U	W	FC	CCATS	002F	
11	17	03L	W	M&O	CCATS	001M	
11	18	01	R	RETRO * SUPPORT	PBI	35-11	
11	18	01	A			043B	
11	18	01	G			043B	
11	18	02		(BLANK)	PBI	043U	
11	18	02				043B	
11	18	02				043B	
11	18	03		(BLANK)	PBI	043U	
11	18	03				043B	
11	18	03				043B	
11	18	04	R	FLIGHT * DYN * NO. 4	PBI	38-11	
11	18	04	A			043B	
11	18	04	G			043B	
11	18	05	R	FLIGHT * DYN * NO. 5	PBI	39-12	
11	18	05	A			043B	
11	18	05	G			043B	
11	18	06	R	FLIGHT * DYN * NO. 6	PBI	40-11	
11	18	06	A			043B	
11	18	06	G			043B	
11	18	07	R	ABORT * REQUESTED	PBI	002A	
11	18	08	R	(STATUS REPORT)	PBI	123S	
11	18	09	A	(STATUS REPORT)	PBI	123S	
11	18	10	G	(STATUS REPORT)	PBI	123S	
11	19					043B	20
11	19	01U		(BLANK)	CCATS	043U	
11	19	01L		(BLANK)	CCATS	043U	
11	19	02U		(BLANK)	C/CIM	043U	
11	19	02C		(BLANK)	C/CIM	043U	
11	19	02L		(BLANK)	C/CIM	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	04			(SIGNAL TO START CLOCK)		143S	
12	04					043B	
12	04			L/O	RTA	028L	
12	10	01	W	LAUNCH	PBI	01	
12	10	02	W	FDO * E/O/TLI * MCC/LOI	PBI	02	
12	10	03	W	FDO * LUNAR * ORBIT	PBI	03	
12	10	04	W	GDO * E/O * TRANS L/E	PBI	04	
12	10	05	W	GDO * CSM * LUNAR	PBI	05	
12	10	06	W	GDO * LM * LUNAR	PBI	06	
12	10	07	W	RFO * LAUNCH	PBI	07	
12	10	08	W	RFO * EARTH * ORBIT	PBI	08	
12	10	09	W	RFO * COAST * LUNAR	PBI	09	
12	10	10	W	GDO * TAB * CMC	PBI	10	
12	10	11	W	GDO * TAB * LGC	PBI	11	
12	10	12		(BLANK)	PBI	043U	
12	11	01	R	RETRO * SUPPORT	PBI	35-11	
12	11	01	A		PBI	043B	
12	11	01	G		PBI	043B	
12	11	02		(BLANK)		043U	
12	11	02		(BLANK)		043U	
12	11	02		(BLANK)		043U	
12	11	03	R	GUID * SUPPORT	PBI	37-11	
12	11	03	A		PBI	043B	
12	11	03	G		PBI	043B	
12	11	04	R	FLIGHT * DYN * NO. 4	PBI	38-11	
12	11	04	A		PBI	043B	
12	11	04	G		PBI	043B	
12	11	05	R	FLIGHT * DYN * NO. 5	PBI	39-12	
12	11	05	A		PBI	043B	
12	11	05	G		PBI	043B	
12	11	06	R	FLIGHT * DYN * NO. 6	PBI	40-11	
12	11	06	A		PBI	043B	
12	11	06	G		PBI	043B	
12	11	07	R	ABORT * REQUESTED	PBI	002A	
12	11	08	R	(STATUS REPORT)	PBI	123S	
12	11	09	A	(STATUS REPORT)	PBI	123S	
12	11	10	G	(STATUS REPORT)	PBI	123S	
12	12	01U	W	GUID 1	PBI	058G	
12	12	01L	A	ALSEP 1	PBI	028A	
12	12	02U	W	GUID 2	PBI	058G	
12	12	02L	A	ALSEP 2	PBI	028A	
12	14	01U	G	SLV * GRR	MOC	GMW1D26	
12	14	01L	G	SLV L/O * (TB1)	MOC	GMW1D25	
12	14	02U	R	S/C INIT * SIVB C/O	MOC	GMW2D19	
12	14	02L	G	S-IVB C/O * TB5	MOC	GMW1D02	
12	14	03U	W	NAV UPDT * RCVD	MOC	OMWD18	
12	14	03L	A	SAT TKOVR * 931C3010R	MOC	CH30B10	
12	14	04U	R	ABORT REQ * BS0080X	MOC	BS0080	
12	14	04L	R	Z ACC * FAIL B	MOC	GSWD25	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	14	05U	G	442F11081 * ASTRLR OK	MOC	LFW11B08	
12	14	05L	A	392F01111 * NO TERAIN	MOC	LFW1B11	
12	14	06U	R	GY0050X-1 * ABORT CMD	MOC	GY0050	
12	14	06L	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
12	14	07U	G	CMC L/O * 931C3005R	MOC	CH30B05	
12	14	07L	G	SIC OBECO * (TB3)	MOC	GMW1D19	
12	14	08U	G	TLI 1 * INHIBIT	MOC	GMW2D06	
12	14	08L	A	SIVB RST * TB6	MOC	GMW1D01	
12	14	09U	G	S/C IN * CONTROL	MOC	OMWD14	
12	14	09L	B	S4 SP/ABT * 931C3004R	MOC	CH30B04	
12	14	10U	R	Y ACC * FAIL B	MOC	GSWD21	
12	14	10L	R	X ACC * FAIL B	MOC	GSWD23	
12	14	11U	G	942C33050 * LR RG GD	MOC	LCH33B05	
12	14	11L	W	442F11011 * LR H FLSH	MOC	LFW11B01	
12	14	12U	G	432F09141 * VERT RISE	MOC	LFW9B14	
12	14	12L	G	432F09071 * ABTTGJ2K2	MOC	LFW9B07	
12	14	13U	G	SII * IGM1	MOC	GMW1D14	
12	14	13L	A	BEGIN * TB4A	MOC	GMW2D17	
12	14	14U	G	SIVB IGN * 2ND BURN	MOC	GMW2D26	
12	14	14L	G	SIVB C/O * TB7	MOC	GMW2D20	
12	14	15U	R	TLC FAIL	MOC	GMW2D09	
12	14	15L	R	GUID * REF FAIL	MOC	GMW2D08	
12	14	16U	A	GH1621X-0 * PNGS SEL	MOC	GH1621	
12	14	16L	A	GI45B10-0 * AGS AUTO	MOC	DW1B10	
12	14	17U	G	942C33080 * LR VEL GD	MOC	LCH33B08	
12	14	17L	W	442F11021 * LR V FLSH	MOC	LFW11B02	
12	14	18U	W	942C33060 * ANT POS 1	MOC	LCH33B06	
12	14	18L	W	942C33070 * ANT POS 2	MOC	LCH33B07	
12	15	01U	A	UP TM BLK * 942C3310R	MOC	CH33B10	
12	15	01L		(BLANK)	CCATS	043U	
12	15	02U	A	LBR * CT0120X	MOC	CSM03E	
12	15	02L		(BLANK)	CCATS	043U	
12	15	03U	A	COMP ACTV * 911C1102S	MOC	CH11B02	
12	15	03L		(BLANK)	CCATS	043U	
12	15	04U	G	UPL ACTV * 911C1103S	MOC	CH11B03	
12	15	04L	A	UPL FAST * 942C3311R	MOC	CH33B11	
12	15	05U	A	OPR ERR * 911C1107S	MOC	CH11B07	
12	15	05L	A	KKK FAIL * 432F0704S	MOC	FW7B04	
12	15	06U	G	VERIF * 432F0703S	MOC	FW7B03	
12	15	06L		(BLANK)	CCATS	043U	
12	15	07U		(BLANK)	CCATS	043U	
12	15	07L		(BLANK)	CCATS	043U	
12	15	08U		(BLANK)	CCATS	043U	
12	15	08L		(BLANK)	CCATS	043U	
12	15	09U		(BLANK)	CCATS	043U	
12	15	09L		(BLANK)	CCATS	043U	
12	15	10U		(BLANK)	CCATS	043U	
12	15	10L		(BLANK)	CCATS	043U	
12	15	11U		(BLANK)	CCATS	043U	
12	15	11L		(BLANK)	CCATS	043U	
12	15	12U		(BLANK)	CCATS	043U	
12	15	12L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	15	13U	G	GT0441A-1 * DUA ON	STRIP	SPCGT0441	
12	15	13L		(BLANK)	CCATS	043U	
12	15	14U	A	LEM31E * LBR	MOC	LEM31E	
12	15	14L		(BLANK)	CCATS	043U	
12	15	15U	A	911C11021 * COMP ACTV	MOC	LCH11B02	
12	15	15L		(BLANK)	CCATS	043U	
12	15	16U	G	911C11031 * UPL ACTV	MOC	LCH11B03	
12	15	16L	A	942C33110 * UPLK FAST	MOC	LCH33B11	
12	15	17U	A	911C11071 * OPR ERROR	MOC	LCH11B07	
12	15	17L	A	422F07041 * KKK FAIL	MOC	LFW7B04	
12	15	18U	G	422F07031 * VERIFLG	MOC	LFW7B03	
12	15	18L		(BLANK)	CCATS	043U	
12	16					043B	24
12	16	01U	R	ENABLE	CCATS	012E	
12	16	01L	A	DISABLE	CCATS	010D	
12	16	02U	G	LOAD * MODE	CCATS	207L	
12	16	02L	A	RTC * MODE	CCATS	221R	
12	16	03U	G	UHF	CCATS	002U	
12	16	03L	G	USB	CCATS	031U	
12	16	04	A	SITE * SELECT	CCATS	066S	
12	16	04	G	CARRIER * ON	CCATS	010C	
12	16	05U	G	FC	CCATS	002F	
12	16	05L	A	M&O	CCATS	001M	
12	16	06	A	MAP * * OVRD	CCATS	023M	
12	16	07U	R	DATA * REJ	CCATS	081D	
12	16	07L	R	TM * REJ	CCATS	083T	
12	16	08U		(BLANK)	CCATS	043U	
12	16	08L		(BLANK)	CCATS	043U	
12	16	09U		(BLANK)	CCATS	043U	
12	16	09L		(BLANK)	CCATS	043U	
12	16	10U		(BLANK)	CCATS	043U	
12	16	10L		(BLANK)	CCATS	043U	
12	16	11U	W	VEH 1	CCATS	059V	
12	16	11L	W	VEH 2	CCATS	060V	
12	16	12U	W	VA 3 * LM	CCATS	061V	
12	16	12L	W	VA 4 * CSM	CCATS	065V	
12	16	13U	G	DSM * SELECT	CCATS	071D	
12	16	13L	R	CLEAR	CCATS	028C	
12	16	14	W	VERIFY * * CLEAR	CCATS	023V	
12	16	15U		(BLANK)	CCATS	043U	
12	16	15L		(BLANK)	CCATS	043U	
12	16	16U		(BLANK)	CCATS	043U	
12	16	16L		(BLANK)	CCATS	043U	
12	16	17U	W	VEH 5	CCATS	062V	
12	16	17L	W	VEH 6	CCATS	063V	
12	16	18U	W	VA 7 * SLV	CCATS	066V	
12	16	18L	W	VEH 8	CCATS	064V	
12	17					043B	24
12	17	01U	W	RTC	CCATS	234R	
12	17	01L	W	INITIATE	CCATS	009I	
12	17	02U	W	VERB	CCATS	031V	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	17	02L	G	INITIATE	CCATS	009I	
12	17	03U	W	LOAD	CCATS	038L	
12	17	03L	G	INITIATE	CCATS	009I	
12	17	04U	W	LINE/LINE	CCATS	218L	
12	17	04L	G	INITIATE	CCATS	009I	
12	17	05U	W	COMPARE	CCATS	294C	
12	17	05L	G	INITIATE	CCATS	009I	
12	17	06U	W	CMD	CCATS	035C	
12	17	06L	W	TERMINATE	CCATS	007T	
12	17	07	W	0	CCATS	026N	
12	17	08	W	1	CCATS	027N	
12	17	09	W	2	CCATS	028N	
12	17	10	W	3	CCATS	029N	
12	17	11	W	4	CCATS	030N	
12	17	12U	G	SITE * VAL	CCATS	192S	
12	17	12L	R	RSCC * INVAL	CCATS	235R	
12	17	13	W	5	CCATS	031N	
12	17	14	W	6	CCATS	032N	
12	17	15	W	7	CCATS	033N	
12	17	16	W	8	CCATS	034N	
12	17	17	W	9	CCATS	035N	
12	17	18U	R	S/C REJ	CCATS	092S	
12	17	18L	R	GND REJ	CCATS	040G	
12	18					043B	24
12	18	01U	W	ALL ZEROS	CCATS	140A	
12	18	01L	W		CCATS	140A	
12	18	02U	W	ERROR * RESET	CCATS	020E	
12	18	02L	W		CCATS	020E	
12	18	03U	W	CLEAR	CCATS	028C	
12	18	03L	W		CCATS	028C	
12	18	04U	W	+	CCATS	268N	
12	18	04L	W		CCATS	268N	
12	18	05U	W	-	CCATS	269N	
12	18	05L	W		CCATS	269N	
12	18	06U	W	V	CCATS	033V	
12	18	06L	W		CCATS	033V	
12	18	07U	W	0	CCATS	026N	
12	18	07L	W		CCATS	026N	
12	18	08U	W	1	CCATS	027N	
12	18	08L	W		CCATS	027N	
12	18	09U	W	2	CCATS	028N	
12	18	09L	W		CCATS	028N	
12	18	10U	W	3	CCATS	029N	
12	18	10L	W		CCATS	029N	
12	18	11U	W	4	CCATS	030N	
12	18	11L	W		CCATS	030N	
12	18	12U	W	N	CCATS	270N	
12	18	12L	W		CCATS	270N	
12	18	13U	W	5	CCATS	031N	
12	18	13L	W		CCATS	031N	
12	18	14U	W	6	CCATS	032N	
12	18	14L	W		CCATS	032N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	18	15U	W	7	CCATS	033N	
12	18	15L	W		CCATS	033N	
12	18	16U	W	8	CCATS	034N	
12	18	16L	W		CCATS	034N	
12	18	17U	W	9	CCATS	035N	
12	18	17L	W		CCATS	035N	
12	18	18U	W	E	CCATS	041E	
12	18	18L	W		CCATS	041E	
12	24	01	R	MC&W * CS0150X R	MOC	CS0150	
12	24	02	G	IMU OPER * 931C3009R	MOC	CH30B09	
12	24	03	A	BKUPLO * 422F0505S	MOC	FW5B05	
12	24	04	W	SC CN SCS * CH3607X	MOC	CH3607	
12	24	05	G	PREF ATT * 411F0204S	MOC	FW2B04	
12	24	06	G	REFSMFLG * 412F0313S	MOC	FW3B13	
12	24	07	G	ENT DAPGO * 431F0602S	MOC	FW6B02	
12	24	08		(BLANK)	MOC	043U	
12	24	09		(BLANK)	MOC	043U	
12	24	10	R	ISS WARN * 911C1101S	MOC	CH11B01	
12	24	11	A	IMU CAGE * 931C3011R	MOC	CH30B11	
12	24	12	W	TVC/ST DP * 431F0615S	MOC	FW6B15	
12	24	13	W	RCS/ST DP * 431F0614S	MOC	FW6B14	
12	24	14	G	AVEG * 402F0101S	MOC	FW1B01	
12	24	15	B	RCS BURN * 402F0111S	MOC	FW1B11	
12	24	16		(BLANK)	MOC	043U	
12	24	17	A	NOLM ATCH * 432F0702R	MOC	FW7B02	
12	24	18	R	UPL FAST * 942C3311R	MOC	CH33B11	
12	24	19	R	IMU FAIL * 931C3013R	MOC	CH30B13	
12	24	20	R	NODAP IMU * 902I3306S	MOC	IM33B06	
12	24	21	W	HOLD/AUTO * 932C3114S	MOC	CH31B14	
12	24	22	W	FREE/AUTO * 932C3113S	MOC	CH31B13	
12	24	23	G	+X TRANS * 932C3107R	MOC	CH31B07	
12	24	24	W	2 JET RCS * 402F0115S	MOC	FW1B15	
12	24	25	G	RCS XFER * 931C3002R	MOC	CH30B02	
12	24	26	A	LM ATTACH * 941C3211R	MOC	CH32B11	
12	24	27	A	UP TM BLK * 942C3310R	MOC	CH33B10	
12	24	28	R	ICDU FAIL * 931C3012R	MOC	CH30B12	
12	24	29	A	NO DRIFT * 411F0215R	MOC	FW2B15	
12	24	30	G	CSM UP DT * 402F0108S	MOC	FW1B08	
12	24	31	W	A/P CONT * 932C3115R	MOC	CH31B15	
12	24	32	G	CREWREADY * 432F0712S	MOC	FW7B12	
12	24	33	G	MOONFLAG * 401F0012S	MOC	FW0B12	
12	24	34		(BLANK)	MOC	043U	
12	24	35	A	CG LM/CSM * CH3600X	MOC	CH3600	
12	24	36	R	LBR * CT0120X	MOC	CSM03E	
12	24	37	R	OCDU FAIL * 931C3007R	MOC	CH30B07	
12	24	38	R	CMC WARN * 942C3314R	MOC	CH33B14	
12	24	39	G	VHFRFLAG * 442F0909S	MOC	FW9B09	
12	24	40		(BLANK)	MOC	043U	
12	24	41	G	TVC ENABL * 912C1208S	MOC	CH12B08	
12	24	42	A	ORBWOK * 412F0306S	MOC	FW3B06	
12	24	43	G	ENT STEER * 431F0605S	MOC	FW6B05	
12	24	44		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	24	45	R	OPR ERR * 911C1107S	MOC	CH11B07	
12	24	46	R	DNL FAST * 942C3312R	MOC	CH33B12	
12	24	47	R	OSC ALARM * 942C3315R	MOC	CH33B15	
12	24	48	G	FINAL FLG * 411F0206S	MOC	FW2B06	
12	24	49		(BLANK)	MOC	043U	
12	24	50	G	ENG ON * 911C1113S	MOC	CH11B13	
12	24	51	G	TGOKNOW * 411F0209S	MOC	FW2B09	
12	24	52	A	SURFFLAG * 441F0808S	MOC	FW8B08	
12	24	53	G	P22/24MRK * 412F0311S	MOC	FW3B11	
12	24	54		(BLANK)	MOC	043U	
12	24	55	R	PIPA FAIL * 942C3313R	MOC	CH33B13	
12	24	56	R	PGM CAUT * 502K1109S	MOC	DT11B09	
12	24	57		(BLANK)	MOC	043U	
12	24	58		(BLANK)	MOC	043U	
12	24	59	G	STEER SW * 411F0211S	MOC	FW2B11	
12	24	60		(BLANK)	MOC	043U	
12	24	61	A	V96ONFLG * 441F0803S	MOC	FW8B03	
12	24	62	W	INTGR BSY * 771F1014S	MOC	FW10B14	
12	24	63	W	COMP ACTV * 911C1102S	MOC	CH11B02	
12	24	64	A	GMBL LOCK * 502K1106S	MOC	DT11B06	
12	24	65	A	GIM LOCK * 412F0314S	MOC	FW3B14	
12	24	66		(BLANK)	MOC	043U	
12	24	67		(BLANK)	MOC	043U	
12	24	68	A	THC ACTV * C31B12-7R	MOC	AGC30E	
12	24	69	A	OPTCMC/MN * 942C3304S	MOC	CH33B04	
12	24	70	A	OPTZRO/MN * 942C3305S	MOC	CH33B05	
12	24	71	A	INTERNAL	MOC	AGC14E	
12	24	72	A	FLASH * 911C1106S	MOC	CH11B06	
12	25	01	A	942C33140 * LGC WARN	MOC	LCH33B14	
12	25	02		(BLANK)	MOC	043U	
12	25	03	G	931C30100 * PGNS SEL	MOC	LCH30B10	
12	25	04	G	642D00111 * 4J TRN RQ	MOC	LDBB11	
12	25	05	A	412F05121 * INH TRTL	MOC	LFW5B12	
12	25	06	G	811I30090 * ISS OPER	MOC	LIM30B09	
12	25	07	A	392F01061 * V95NOUPDT	MOC	LFW1B06	
12	25	08	B	GI3306X-1 * AGS STBY	MOC	GI3306	
12	25	09	B	GI45B09-0 * FOLLOW UP	MOC	DW1B09	
12	25	10	R	811I30130 * IMU FAIL	MOC	LIM30B13	
12	25	11	A	911C11011 * ISS WARN	MOC	LCH11B01	
12	25	12	A	931C30101 * AGS SEL	MOC	LCH30B10	
12	25	13	G	392F01150 * 4JET +X	MOC	LFW1B15	
12	25	14	G	422F07061 * AVG G ON	MOC	LFW7B06	
12	25	15	A	811I30110 * IMU CAGE	MOC	LIM30B11	
12	25	16	R	931C30010 * ABORT CMD	MOC	LCH30B01	
12	25	17	R	GI45B13-0 * ABORT CMD	MOC	DW1B13	
12	25	18	B	GI45B10-0 * AGS AUTO	MOC	DW1B10	
12	25	19	R	811I30100 * PIPA FAIL	MOC	LIM30B10	
12	25	20	R	811I30120 * ICDU FAIL	MOC	LIM30B12	
12	25	21	G	392F01081 * CSM UPDT	MOC	LFW1B08	
12	25	22	G	642D00110 * 2J TRN RQ	MOC	LDBB11	
12	25	23	G	932C31070 * +X TRANS	MOC	LCH31B07	
12	25	24	A	912C12041 * COAR ALGN	MOC	LCH12B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	25	25	R	931C30040 * ABRT STG	MOC	LCH30B04	
12	25	26	R	GI45B14-0 * ABRT STGD	MOC	DW1B14	
12	25	27	B	GI44-000 * ATT HOLD	MOC	AGS02E	
12	25	28	A	402F03141 * CALC GLOK	MOC	LFW3B14	
12	25	29	R	502K11091 * PROG CAUT	MOC	LDT11B09	
12	25	30	G	401F02061 * FINALFLG	MOC	LFW2B06	
12	25	31	G	392F01151 * 2JET +X	MOC	LFW1B15	
12	25	32	G	931C30050 * AUTO TRTL	MOC	LCH30B05	
12	25	33	A	401F02150 * NO DRIFT	MOC	LFW2B15	
12	25	34	W	931C30021 * STAGED	MOC	LCH30B02	
12	25	35	B	GI45B11-0 * DPS ON	MOC	DW1B11	
12	25	36	B	GI44-001 * GUID STER	MOC	AGS03E	
12	25	37	R	941C32090 * GMBL OFF	MOC	LCH32B09	
12	25	38	R	941C32100 * TRIM FAIL	MOC	LCH32B10	
12	25	39	A	812I33061 * NODAP IMU	MOC	LIM33B06	
12	25	40	G	642D00061 * ULL RQST	MOC	LDBB06	
12	25	41	G	931C30030 * ENG ARM	MOC	LCH30B03	
12	25	42	W	401F02091 * MINIMPBRN	MOC	LFW2B09	
12	25	43	A	431F08081 * SURFFLAG	MOC	LFW8B08	
12	25	44	B	GI45B12-0 * APS ON	MOC	DW1B12	
12	25	45	B	GI44-010 * ACQ STER	MOC	AGS04E	
12	25	46	W	942C33040 * RRDATA GD	MOC	LCH33B04	
12	25	47	R	641R00070 * RR CDU FL	MOC	LRMB07	
12	25	48	G	642D00051 * DB 5/5	MOC	LDBB05	
12	25	49	G	422F07121 * CREWREADY	MOC	LFW7B12	
12	25	50	G	422F07070 * DV MON ON	MOC	LFW7B07	
12	25	51	G	932C31140 * AUTO MODE	MOC	LCH31B14	
12	25	52	W	441F10141 * INTG BUSY	MOC	LFW10B14	
12	25	53	B	GI15B06-1 * ENG ON	MOC	EOFB06	
12	25	54	B	GI44-011 * IMU ALGN	MOC	AGS05E	
12	25	55	R	502K11061 * GMBL LOCK	MOC	LDT11B06	
12	25	56	G	641R00020 * RR AUTO	MOC	LRMB02	
12	25	57	G	642D00131 * CM DOCKED	MOC	LDBB13	
12	25	58	G	441F10131 * ASCENT	MOC	LFW10B13	
12	25	59	R	911C11131 * ENG ON	MOC	LCH11B13	
12	25	60	G	932C31130 * ATT HOLD	MOC	LCH31B13	
12	25	61	R	911C11071 * OPR ERROR	MOC	LCH11B07	
12	25	62	R	402F03150 * NOPOOINTG	MOC	LFW3B15	
12	25	63	B	GI44-101 * BODY ALGN	MOC	AGS07E	
12	25	64	A	GI38B08-1 * LOG FAIL	MOC	ISTB08	
12	25	65	A	GI38B07-1 * MEM FAIL	MOC	ISTB07	
12	25	66	W	911C11021 * COMP ACTV	MOC	LCH11B02	
12	25	67	A	911C11061 * FLASH	MOC	LCH11B06	
12	25	68	G	401F02111 * STEERENBL	MOC	LFW2B11	
12	25	69	A	932C31150 * OUT DETNT	MOC	LCH31B15	
12	25	70	G	401F02041 * PREF ATT	MOC	LFW2B04	
12	25	71	G	402F03131 * REFSM OK	MOC	LFW3B13	
12	25	72	B	GI44-100 * LUN ALGN	MOC	AGS06E	
12	26	01	W	LAUNCH * PRE-IGM	MOC	SIU06I	
12	26	02U		(BLANK)	MOC	043U	
12	26	02L		(BLANK)	MOC	043U	
12	26	03	W	DESCENT	MOC	LEM20I	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
12	26	04U	W	GUID SEL * PGNS	MOC	110G	30
12	26	04L	W	GUID SEL * AGS	MOC	111G	30
12	26	05U		(BLANK)	MOC	043U	
12	26	05L		(BLANK)	MOC	043U	
12	26	06	W	N/C CLEAR	R/CIM	470N	
12	26	07	W	LAUNCH * POST-IGM	MOC	SIU07I	
12	26	08U		(BLANK)	MOC	043U	
12	26	08L		(BLANK)	MOC	043U	
12	26	09	W	ASCENT	MOC	LEM21I	
12	26	10U		(BLANK)	MOC	043U	
12	26	10L		(BLANK)	MOC	043U	
12	26	11U		(BLANK)	MOC	043U	
12	26	11L		(BLANK)	MOC	043U	
12	26	12	W	Δ AZ COMP	R/CIM	096D	38
12	26	13	W	LAUNCH * ORBIT-SLV	MOC	SIU08I	
12	26	14U		(BLANK)	MOC	043U	
12	26	14L		(BLANK)	MOC	043U	
12	26	15U		(BLANK)	MOC	043U	
12	26	15L		(BLANK)	MOC	043U	
12	26	16U		(BLANK)	MOC	043U	
12	26	16L		(BLANK)	MOC	043U	
12	26	17U		(BLANK)	MOC	043U	
12	26	17L		(BLANK)	MOC	043U	
12	26	18	W	WEDGE * ANGLE * MON	MOC	008W	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
13	02			(SIGNAL TO START CLOCK)		143S	
13	02					043B	
13	02			L/O	RTA	028L	
13	03	01U		(BLANK)	MOC	043U	
13	03	01L		(BLANK)	MOC	043U	
13	03	02U		(BLANK)	MOC	043U	
13	03	02L		(BLANK)	MOC	043U	
13	03	03U		(BLANK)	MOC	043U	
13	03	03L		(BLANK)	MOC	043U	
13	03	04U		(BLANK)	MOC	043U	
13	03	04L		(BLANK)	MOC	043U	
13	03	05U		(BLANK)	MOC	043U	
13	03	05L		(BLANK)	MOC	043U	
13	03	06U		(BLANK)	MOC	043U	
13	03	06L		(BLANK)	MOC	043U	
13	03	07U		(BLANK)	MOC	043U	
13	03	07L		(BLANK)	MOC	043U	
13	03	08U		(BLANK)	MOC	043U	
13	03	08L		(BLANK)	MOC	043U	
13	03	09U		(BLANK)	MOC	043U	
13	03	09L		(BLANK)	MOC	043U	
13	03	10U		(BLANK)	MOC	043U	
13	03	10L		(BLANK)	MOC	043U	
13	03	11U		(BLANK)	MOC	043U	
13	03	11L		(BLANK)	MOC	043U	
13	03	12U		(BLANK)	MOC	043U	
13	03	12L		(BLANK)	MOC	043U	
13	03	13U		(BLANK)	MOC	043U	
13	03	13L		(BLANK)	MOC	043U	
13	03	14U		(BLANK)	MOC	043U	
13	03	14L		(BLANK)	MOC	043U	
13	03	15U		(BLANK)	MOC	043U	
13	03	15L		(BLANK)	MOC	043U	
13	03	16U		(BLANK)	MOC	043U	
13	03	16L		(BLANK)	MOC	043U	
13	03	17U		(BLANK)	MOC	043U	
13	03	17L		(BLANK)	MOC	043U	
13	03	18U		(BLANK)	MOC	043U	
13	03	18L		(BLANK)	MOC	043U	
13	09	01	R	RETRO * SUPPORT	PBI	35-11	
13	09	01	A			043B	
13	09	01	G			043B	
13	09	02		(BLANK)	PBI	043U	
13	09	02				043B	
13	09	02				043B	
13	09	03	R	GUID * SUPPORT	PBI	37-11	
13	09	03	A			043B	
13	09	03	G			043B	
13	09	04	R	FLIGHT * DYN * NO. 4	PBI	38-11	
13	09	04	A			043B	
13	09	04	G			043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
13	09	05	R	FLIGHT * DYN * NO. 5	PBI	39-12	
13	09	05	A			043B	
13	09	05	G			043B	
13	09	06	R	FLIGHT * DYN * NO. 6	PBI	40-11	
13	09	06	A			043B	
13	09	06	G			043B	
13	09	07	R	ABORT * REQUESTED	PBI	002A	
13	09	08	R	(STATUS REPORT)	PBI	123S	
13	09	09	A	(STATUS REPORT)	PBI	123S	
13	09	10	G	(STATUS REPORT)	PBI	123S	
13	11	01	W	LAUNCH	PBI	01	
13	11	02	W	FDO * E/O/TLI * MCC/LOI	PBI	02	
13	11	03	W	FDO * LUNAR * ORBIT	PBI	03	
13	11	04	W	GDO * E/O * TRANS L/E	PBI	04	
13	11	05	W	GDO * CSM * LUNAR	PBI	05	
13	11	06	W	GDO * LM * LUNAR	PBI	06	
13	11	07	W	RFO * LAUNCH	PBI	07	
13	11	08	W	RFO * EARTH * ORBIT	PBI	08	
13	11	09	W	RFO * COAST * LUNAR	PBI	09	
13	11	10	W	GDO * TAB * CMC	PBI	10	
13	11	11	W	GDO * TAB * LGC	PBI	11	
13	11	12		(BLANK)	PBI	043U	
13	12					043B	20
13	12	01U		(BLANK)	MOC	043U	
13	12	01L		(BLANK)	MOC	043U	
13	12	02U		(BLANK)	MOC	043U	
13	12	02L		(BLANK)	MOC	043U	
13	12	03U		(BLANK)	MOC	043U	
13	12	03L		(BLANK)	MOC	043U	
13	12	04U		(BLANK)	MOC	043U	
13	12	04L		(BLANK)	MOC	043U	
13	12	05U		(BLANK)	MOC	043U	
13	12	05L		(BLANK)	MOC	043U	
13	12	06U		(BLANK)	MOC	043U	
13	12	06L		(BLANK)	MOC	043U	
13	12	07U		(BLANK)	MOC	043U	
13	12	07L		(BLANK)	MOC	043U	
13	12	08U		(BLANK)	MOC	043U	
13	12	08L		(BLANK)	MOC	043U	
13	12	09U		(BLANK)	MOC	043U	
13	12	09L		(BLANK)	MOC	043U	
13	12	10U		(BLANK)	MOC	043U	
13	12	10L		(BLANK)	MOC	043U	
13	12	11U		(BLANK)	MOC	043U	
13	12	11L		(BLANK)	MOC	043U	
13	12	12		(BLANK)	PBI	043U	
13	12	13U		(BLANK)	MOC	043U	
13	12	13L		(BLANK)	MOC	043U	
13	12	14U		(BLANK)	MOC	043U	
13	12	14L		(BLANK)	MOC	043U	
13	12	15U		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
13	12	15L		(BLANK)	MOC	043U	
13	12	16U		(BLANK)	MOC	043U	
13	12	16L		(BLANK)	MOC	043U	
13	12	17U		(BLANK)	MOC	043U	
13	12	17L		(BLANK)	MOC	043U	
13	12	18U		(BLANK)	MOC	043U	
13	12	18L		(BLANK)	MOC	043U	
13	13	01A		(SIGNAL TO START CLOCK)		438S	
13	13	01A		K0158-401 ORK0159-401 PRESN	MOC	SIU02E	
13	13	01A		(SIGNAL TO STOP CLOCK)		439S	
13	13	01A		(BLANK)	MOC	043U	
13	13	01B		(SIGNAL TO START CLOCK)		438S	
13	13	01B		S-IVB OV-ON SWITCH	PBI	144SEV	
13	13	01B		(SIGNAL TO STOP CLOCK)		439S	
13	13	01B		(BLANK)	MOC	043U	
13	13	02A		(SIGNAL TO START CLOCK)		438S	
13	13	02A		SPS IGNITION	MOC	CSM01E	
13	13	02A		(SIGNAL TO STOP CLOCK)		439S	
13	13	02A		(BLANK)	MOC	043U	
13	13	02B		(SIGNAL TO START CLOCK)		438S	
13	13	02B		SPS CUTOFF	MOC	CSM11E	
13	13	02B		(SIGNAL TO STOP CLOCK)		439S	
13	13	02B		(BLANK)	MOC	043U	
13	14	01U		(BLANK)	MOC	043U	
13	14	01L		(BLANK)	MOC	043U	
13	14	02U		(BLANK)	MOC	043U	
13	14	02L		(BLANK)	MOC	043U	
13	14	03U		(BLANK)	MOC	043U	
13	14	03L		(BLANK)	MOC	043U	
13	14	04U		(BLANK)	MOC	043U	
13	14	04L		(BLANK)	MOC	043U	
13	14	05U		(BLANK)	MOC	043U	
13	14	05L		(BLANK)	MOC	043U	
13	14	06	W	MODE II	R/CIM	079M	28
13	14	07U		(BLANK)	MOC	043U	
13	14	07L		(BLANK)	MOC	043U	
13	14	08U		(BLANK)	MOC	043U	
13	14	08L		(BLANK)	MOC	043U	
13	14	09U		(BLANK)	MOC	043U	
13	14	09L		(BLANK)	MOC	043U	
13	14	10U		(BLANK)	MOC	043U	
13	14	10L		(BLANK)	MOC	043U	
13	14	11	W	MODE III	R/CIM	080M	28
13	14	12	W	NORMAL	R/CIM	023N	28
13	14	13U		(BLANK)	MOC	043U	
13	14	13L		(BLANK)	MOC	043U	
13	14	14U		(BLANK)	MOC	043U	
13	14	14L		(BLANK)	MOC	043U	
13	14	15U		(BLANK)	MOC	043U	
13	14	15L		(BLANK)	MOC	043U	
13	14	16U		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
13	14	16L		(BLANK)	MOC	043U	
13	14	17	W	I BRAVO	R/CIM	108I	28
13	14	18	W	MODE III	R/CIM	080M	28

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
14	10	01	W	COLOR CNVT * CHAN A	PBI	085C	
14	10	02	W	COLOR CNVT * CHAN B	PBI	085C	
14	10	03	W	SPECIAL * EFFECTS	PBI	327S	
14	10	04	W	REAR * CAMERA	PBI	030R	
14	10	05	W	MAP * CAMERA	PBI	035M	
14	10	06	W	FRONT * CAMERA	PBI	012F	
14	10	07	W	TELCO * PRIMARY	PBI	022T	
14	10	08	W	TELCO * SECONDARY	PBI	022T	
14	10	09	W	COLOR * VTR 1	PBI	086C	
14	10	10	W	FOD * VTR	PBI	011F	
14	10	11	W	PAO * VTR	PBI	058P	
14	10	12	W	PAO * RETURN	PBI	060P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	01	01	W	GQ4455X-1 * DPS PROP	MOC	GQ4455	
16	01	02U	W	GP1408X * APS OX LO	MOC	GP1408	
16	01	02L	W	GP0908X-1 * APS FU LO	MOC	GP0908	
16	01	03U		(BLANK)	MOC	043U	
16	01	03L		(BLANK)	MOC	043U	
16	01	04U	A	GH1621X-1 * AGS SEL	MOC	GH1621	
16	01	04L	A	931C30101 * AGS SEL	MOC	LCH30B10	
16	01	05U	A	PGNCS MODE * OFF	MOC	LGC20E	
16	01	05L	A	DAP OFF	MOC	LGC22E	
16	01	06U	A	GG2001V * X PIPA	MOC	GG2001	
16	01	06L	A	GG2021V * Y PIPA	MOC	GG2021	
16	01	07U	W	PP LO LVL * OXID 1	MOC	LEM10908L	
16	01	07L	W	PP LO LVL * OXID 2	MOC	LEM10909L	
16	01	08U		(BLANK)	MOC	043U	
16	01	08L		(BLANK)	MOC	043U	
16	01	09U		(BLANK)	MOC	043U	
16	01	09L		(BLANK)	MOC	043U	
16	01	10U	G	GH1603X-0 * MIN DBND	MOC	GH1603	
16	01	10L	A	ΔV X DIFF * PGNS/AGS	MOC	LGC9001L	
16	01	11U	A	812I33061 * NODAP IMU	MOC	LIM33B06	
16	01	11L	A	PGNS MODE * FAIL	MOC	LEM05E	
16	01	12U	A	GG2041V * Z PIPA	MOC	GG2041	
16	01	12L	A	642D00030 * ACCEL N/G	MOC	LDBB03	
16	01	13U	W	PP LO LVL * FUEL 1	MOC	LEM10906L	
16	01	13L	W	PP LO LVL * FUEL 2	MOC	LEM10907L	
16	01	14U		(BLANK)	MOC	043U	
16	01	14L		(BLANK)	MOC	043U	
16	01	15U		(BLANK)	MOC	043U	
16	01	15L		(BLANK)	MOC	043U	
16	01	16U	A	ΔV Y DIFF * PGNS/AGS	MOC	LGC9002L	
16	01	16L	A	ΔV Z DIFF * PGNS/AGS	MOC	LGC9003L	
16	01	17U	A	MASS N/G	MOC	LGC21E	
16	01	17L	A	MASS * DIFF	MOC	LEM10100C	
16	01	18U	A	941C32100 * TRIM FAIL	MOC	LCH32B10	
16	01	18L	A	941C32090 * GMBL OFF	MOC	LCH32B09	
16	02	01U	A	931C30091 * NOIMUOPER	MOC	LCH30B09	
16	02	01L	G	921C13111 * LGC STBY	MOC	LCH13B11	
16	02	02U	A	942C33130 * PIPA FAIL	MOC	LCH33B13	
16	02	02L	A	422F07041 * KKK FAIL	MOC	LFW7B04	
16	02	03U	A	931C30130 * IMU FAIL	MOC	LCH30B13	
16	02	03L	A	GG1523X-0 * NOLGC OP	MOC	GG1523	
16	02	04U	A	931C30120 * ICDU FAIL	MOC	LCH30B12	
16	02	04L	A	942C33150 * OSC ALARM	MOC	LCH33B15	
16	02	05U		(BLANK)	MOC	043U	
16	02	05L		(BLANK)	MOC	043U	
16	02	06U		(BLANK)	MOC	043U	
16	02	06L		(BLANK)	MOC	043U	
16	02	07U	A	502K11081 * TRACKER	MOC	LDT11B08	
16	02	07L		(BLANK)	MOC	043U	
16	02	08U	A	502K11061 * GMBL LOCK	MOC	LDT11B06	
16	02	08L	A	402F03141 * CALC GLOK	MOC	LFW3B14	
16	02	09U	A	502K11041 * NO ATT	MOC	LDT11B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	02	09L	A	912C12041 * COAR ALGN	MOC	LCH12B04	
16	02	10U	A	502K11091 * PROG CAUT	MOC	LDT11B09	
16	02	10L		(BLANK)	MOC	043U	
16	02	11U	A	931C30151 * TEMP CAUT	MOC	LCH30B15	
16	02	11L	A	GG2300T * PIPA T	MOC	GG2300	
16	02	12U	A	GG1513X-0 * IMU OFF	MOC	GG1513	
16	02	12L		(BLANK)	MOC	043U	
16	02	13U	A	C77B1-9S * CHAN 77	MOC	LGC43E	
16	02	13L	A	DUTY CYCLE * AT 100%	MOC	LGC56E	
16	02	14U		(BLANK)	MOC	043U	
16	02	14L		(BLANK)	MOC	043U	
16	02	15U	A	931C30110 * IMU CAGE	MOC	LCH30B11	
16	02	15L	A	931C30140 * T/ON RQST	MOC	LCH30B14	
16	02	16U	A	402F03130 * NO REFSM	MOC	LFW3B13	
16	02	16L		(BLANK)	MOC	043U	
16	02	17U	A	911C11071 * OPR ERROR	MOC	LCH11B07	
16	02	17L		(BLANK)	MOC	043U	
16	02	18U	A	812I33011 * LAMP TEST	MOC	LIM33B01	
16	02	18L	A	921C13101 * TST ALARM	MOC	LCH13B10	
16	03	01U		(BLANK)	MOC	043U	
16	03	01L		(BLANK)	MOC	043U	
16	03	02U		(BLANK)	MOC	043U	
16	03	02L		(BLANK)	MOC	043U	
16	03	03U	A	GI3301T * ASA TEMP	MOC	GI3301	
16	03	03L	A	GI3305X-1 * AGS WARMUP	MOC	GI3305	
16	03	04U		(BLANK)	MOC	043U	
16	03	04L		(BLANK)	MOC	043U	
16	03	05U	A	NO AEA * ABORT STG	MOC	LEM12E	
16	03	05L	A	AEA SEES * ABORT STG	MOC	LEM13E	
16	03	06U	A	AEA NOT * IN AUTO	MOC	LEM06E	
16	03	06L	A	ONLY AEA * IN AUTO	MOC	LEM07E	
16	03	07U		(BLANK)	MOC	043U	
16	03	07L		(BLANK)	MOC	043U	
16	03	08U		(BLANK)	MOC	043U	
16	03	08L		(BLANK)	MOC	043U	
16	03	09U	A	GI3306X-1 * AGS STBY	MOC	GI3306	
16	03	09L		(BLANK)	MOC	043U	
16	03	10U		(BLANK)	MOC	043U	
16	03	10L		(BLANK)	MOC	043U	
16	03	11U	A	NO AEA * ABORT	MOC	LEM10E	
16	03	11L	A	AEA CMD * ABORT	MOC	LEM11E	
16	03	12U	A	NO AEA * DPS ON	MOC	LEM14E	
16	03	12L	A	ONLY AEA * DPS ON	MOC	LEM15E	
16	03	13U	A	GI-31 * TEST FAIL	MOC	AGS01E	
16	03	13L		(BLANK)	MOC	043U	
16	03	14U		(BLANK)	MOC	043U	
16	03	14L		(BLANK)	MOC	043U	
16	03	15U	A	CB2 FAIL * ABRT STGD	MOC	LEM34E	
16	03	15L	A	CB3 FAIL * ABRT STGD	MOC	LEM35E	
16	03	16U		(BLANK)	MOC	043U	
16	03	16L		(BLANK)	MOC	043U	
16	03	17U	A	NO AEA * FOLLOWUP	MOC	LEM08E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	03	17L		(BLANK)	MOC	043U	
16	03	18U	A	NO AEA * APS ON	MOC	LEM16E	
16	03	18L	A	ONLY AEA * APS ON	MOC	LEM17E	
16	04	01U	A	442F11011 * LR H FLSH	MOC	LFW11B01	
16	04	01L	A	442F11021 * LR V FLSH	MOC	LFW11B02	
16	04	02U	A	502K11051 * LR H FAIL	MOC	LDT11B05	
16	04	02L	A	502K11031 * LR V FAIL	MOC	LDT11B03	
16	04	03U	A	LR RNG * BD	MOC	LGC18E	
16	04	03L	A	LR VEL * BD	MOC	LGC19E	
16	04	04U		(BLANK)	MOC	043U	
16	04	04L		(BLANK)	MOC	043U	
16	04	05U	A	931C30070 * RCDU FAIL	MOC	LCH30B07	
16	04	05L		(BLANK)	MOC	043U	
16	04	06U	G	GN7621X-1 * NO TRACK	MOC	GN7621	
16	04	06L	A	RR * CAUT	MOC	LGC09E	
16	04	07U		(BLANK)	MOC	043U	
16	04	07L	B	PQGS * PROG	MOC	LEM34I	
16	04	08U		(BLANK)	MOC	043U	
16	04	08L	B	LOW LEVEL * COUNTDOWN	MOC	LGC01I	
16	04	09U		(BLANK)	MOC	043U	
16	04	09L	B	APS CALC	MOC	LEM12I	
16	04	10U		(BLANK)	MOC	043U	
16	04	10L		(BLANK)	MOC	043U	
16	04	11U		(BLANK)	MOC	043U	
16	04	11L		(BLANK)	MOC	043U	
16	04	12U		(BLANK)	MOC	043U	
16	04	12L	G	LM * LIVE	CCATS	110L	
16	04	13U	B	ALL LIMITS * GNC LM	MOC	LEMCATGNC	
16	04	13L	B	ABRT STAGE	MOC	LEMCAT8	
16	04	14U	B	COAST	MOC	LEMCAT7	
16	04	14L	B	LAUNCH	MOC	LEMCAT6	
16	04	15U	B	ALL CNTRL * CRITICAL	MOC	LEMCRTGNC	
16	04	15L	B	LUNAR * SURF CRIT	MOC	LEMCAT10	
16	04	16U		(BLANK)	MOC	043U	
16	04	16L		(BLANK)	MOC	043U	
16	04	17U	A	LGC * STATIC	CCATS	227L	
16	04	17L	A	AEA * STATIC	CCATS	231A	
16	04	18U	A	LM * STATIC	CCATS	111L	
16	04	18L	A	LM * LFI	CCATS	024L	
16	05	01U	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
16	05	01L	G	931C30040 * ABRT STG	MOC	LCH30B04	
16	05	02U	G	GH1230X-1 * APS ARM	MOC	GH1230	
16	05	02L	G	931C30030 * ENG ARM	MOC	LCH30B03	
16	05	03U	G	911C11131 * ENG ON	MOC	LCH11B13	
16	05	03L	G	GI15B06-1 * ENG ON	MOC	EOFB06	
16	05	04U	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
16	05	04L	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
16	05	05U	G	GH1214X-1 * AUTO ON	MOC	GH1214	
16	05	05L	G	GH1286X-1 * FIRE O/R	MOC	GH1286	
16	05	06U	G	GH1260X-1 * APS ON	MOC	GH1260	
16	05	06L	G	GI45B12-0 * APS ON	MOC	DW1B12	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	05	07U	A	GI45B14-0 * ABRT STGD	MOC	DW1B14	
16	05	07L	A	GI45B13-0 * ABORT CMD	MOC	DW1B13	
16	05	08U	G	GY0201X-1 * ED A K1-6	MOC	GY0201	
16	05	08L	G	GY0202X-1 * ED B K1-6	MOC	GY0202	
16	05	09U	G	941C32140 * PROCEED	MOC	LCH32B14	
16	05	09L		(BLANK)	MOC	043U	
16	05	10U		(BLANK)	MOC	043U	
16	05	10L		(BLANK)	MOC	043U	
16	05	11U	G	GH1896X-1 * UNBAL CPL	MOC	GH1896	
16	05	11L		(BLANK)	MOC	043U	
16	05	12U		(BLANK)	MOC	043U	
16	05	12L		(BLANK)	MOC	043U	
16	05	13U	A	GY0050X-1 * ABORT CMD	MOC	GY0050	
16	05	13L	A	931C30010 * ABORT CMD	MOC	LCH30B01	
16	05	14U	G	GH1348X-1 * DPS ARM	MOC	GH1348	
16	05	14L	G	931C30030 * ENG ARM	MOC	LCH30B03	
16	05	15U	G	911C11131 * ENG ON	MOC	LCH11B13	
16	05	15L	G	GI15B06-1 * ENG ON	MOC	EOFB06	
16	05	16U	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
16	05	16L	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
16	05	17	G	GH1214X-1 * AUTO ON	MOC	GH1214	
16	05	18U	G	GH1301X-1 * DPS ON	MOC	GH1301	
16	05	18L	G	GI45B11-0 * DPS ON	MOC	DW1B11	
16	06	01	G	GR9667U-1 * A 1 DSABL	MOC	GR9667	
16	06	02	B	932C31010 * +EL/ +PMI	MOC	LCH31B01	
16	06	03		(BLANK)	MOC	043U	
16	06	04	B	GH1430V * JD A1U ON	MOC	GH1430	
16	06	05	B	GR5043X-1 * X	MOC	GR5043	71
16	06	06	B	GR5031X-1 * X	MOC	GR5031	71
16	06	07	B	GH1418V * JD B4U ON	MOC	GH1418	
16	06	08	G	GH1240 * -X TRANS	MOC	LEM20E	
16	06	09	G	GR9662U-1 * B 4 DSABL	MOC	GR9662	
16	06	10	G	941C32050 * B1 DSABL	MOC	LCH32B05	
16	06	11	G	932C31040 * -YMI	MOC	LCH31B04	
16	06	12	G	642D00061 * ULL RQST	MOC	LDBB06	
16	06	13	B	GH1431V * JD B1D ON	MOC	GH1431	
16	06	14	B	GR5044X-1 *	MOC	GR5044	93
16	06	15	B	GR5032X-1 *	MOC	GR5032	93
16	06	16	B	GH1419V * JD A4D ON	MOC	GH1419	
16	06	17	B	GH1240 * +X TRANS	MOC	LEM21E	
16	06	18	G	941C32010 * A4 DSABL	MOC	LCH32B01	
16	06	19	G	941C32060 * A1 DSABL	MOC	LCH32B06	
16	06	20	G	932C31020 * -EL/ -PMI	MOC	LCH31B02	
16	06	21	B	GH1242 * -Z TRANS	MOC	LEM24E	
16	06	22	B	GH1432V * JD A1F ON	MOC	GH1432	
16	06	23	B	GR5045X-1 * ↓	MOC	GR5045	19
16	06	24	B	GR5033X-1 * ↓	MOC	GR5033	19
16	06	25	B	GH1420V * JD B4F ON	MOC	GH1420	
16	06	26	G	932C31120 * -Z TRANS	MOC	LCH31B12	
16	06	27	G	941C32030 * B4 DSABL	MOC	LCH32B03	
16	06	28	G	GR9668U-1 * B 1 DSABL	MOC	GR9668	
16	06	29	G	932C31030 * +YMI	MOC	LCH31B03	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	06	30	G	GH1241 * +Y TRANS	MOC	LEM23E	
16	06	31	B	GH1433V * JD B1L ON	MOC	GH1433	
16	06	32	B	GR5046X-1 * →	MOC	GR5046	74
16	06	33	B	GR5034X-1 * ←	MOC	GR5034	75
16	06	34	B	GH1421V * JD A4R ON	MOC	GH1421	
16	06	35	G	GH1241 * -Y TRANS	MOC	LEM22E	
16	06	36	G	GR9661U-1 * A 4 DSABL	MOC	GR9661	
16	06	37	G	941C32070 * B2 DSABL	MOC	LCH32B07	
16	06	38	G	932C31060 * -AZ/ -RMI	MOC	LCH31B06	
16	06	39	G	932C31090 * +Y TRANS	MOC	LCH31B09	
16	06	40	B	GH1429V * JD B2L ON	MOC	GH1429	
16	06	41	B	GR5042X-1 * →	MOC	GR5042	74
16	06	42	B	GR5038X-1 * ←	MOC	GR5038	75
16	06	43	B	GH1425V * JD A3R ON	MOC	GH1425	
16	06	44	G	932C31100 * -Y TRANS	MOC	LCH31B10	
16	06	45	G	941C32020 * A3 DSABL	MOC	LCH32B02	
16	06	46	G	GR9665U-1 * A 2 DSABL	MOC	GR9665	
16	06	47	G	GH1204X-1 * OUT DET	MOC	GH1204	
16	06	48	G	GH1242 * +Z TRANS	MOC	LEM25E	
16	06	49	B	GH1428V * JD A2A ON	MOC	GH1428	
16	06	50	B	GR5041X-1 * ↑	MOC	GR5041	18
16	06	51	B	GR5037X-1 * ↑	MOC	GR5037	18
16	06	52	B	GH1424V * JD B3A ON	MOC	GH1424	
16	06	53	G	932C31110 * +Z TRANS	MOC	LCH31B11	
16	06	54	G	GR9664U-1 * B 3 DSABL	MOC	GR9664	
16	06	55	G	941C32080 * A2 DSABL	MOC	LCH32B08	
16	06	56	G	932C31150 * OUT DETNT	MOC	LCH31B15	
16	06	57	A	GH1893X-0 * X TRS O/R	MOC	GH1893	
16	06	58	B	GH1427V * JD A2D ON	MOC	GH1427	
16	06	59	B	GR5040X-1 *	MOC	GR5040	93
16	06	60	B	GR5036X-1 *	MOC	GR5036	93
16	06	61	B	GH1423V * JD B3D ON	MOC	GH1423	
16	06	62	G	932C31070 * +X TRANS	MOC	LCH31B07	
16	06	63	G	941C32040 * B3 DSABL	MOC	LCH32B04	
16	06	64	G	GR9666U-1 * B 2 DSABL	MOC	GR9666	
16	06	65	G	932C31050 * +AZ/ +RMI	MOC	LCH31B05	
16	06	66	W	FOLLOW-UP	MOC	LEM18E	
16	06	67	B	GH1426V * JD B2U ON	MOC	GH1426	
16	06	68	B	GR5039X-1 * X	MOC	GR5039	71
16	06	69	B	GR5035X-1 * X	MOC	GR5035	71
16	06	70	B	GH1422V * JD A3U ON	MOC	GH1422	
16	06	71	G	932C31080 * -X TRANS	MOC	LCH31B08	
16	06	72	G	GR9663U-1 * A 3 DSABL	MOC	GR9663	
16	07	01	A	GR1101P * A HE P	MOC	GR1101	
16	07	02	A	GR1085Q * A PRP QTY	MOC	GR1085	
16	07	03	A	GR1201P * A REG P	MOC	GR1201	
16	07	04	A	GR2201P * A FU P	MOC	GR2201	
16	07	05	A	GR3201P * A OX P	MOC	GR3201	
16	07	06	A	GR2121/22 * RCS FU T	MOC	LEMLS05	
16	07	07	R	GL4026X-0 * CES AC FL	MOC	GL4026	
16	07	08	R	RCS CALC * A PROP QTY	MOC	LEM5429C	
16	07	09	R	RCS CALC * B PROP QTY	MOC	LEM5430C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	07	10	A	GR1102P * B HE P	MOC	GR1102	
16	07	11	A	GR1095Q * B PRP QTY	MOC	GR1095	
16	07	12	A	GR1202P * B REG P	MOC	GR1202	
16	07	13	A	GR2202P * B FU P	MOC	GR2202	
16	07	14	A	GR3202P * B OX P	MOC	GR3202	
16	07	15	A	GR6001-4 * QUAD T	MOC	LEMLS03	
16	07	16	R	GL4027X-0 * CES DC FL	MOC	GL4027	
16	07	17	R	RCS A M/F * OX/FU P	MOC	LEMCLS04	
16	07	18	R	RCS B M/F * OX FU P	MOC	LEMCLS05	
16	07	19	A	GQ3435P * DPS HE P	MOC	GQ3435	
16	07	20	A	GQ3015P * STRT TK P	MOC	GQ3015	
16	07	21	A	GQ3018/25 * DPS REG P	MOC	LEMLS04	
16	07	22	A	GQ3611P * DPS FU P	MOC	GQ3611	
16	07	23	A	GQ4111P * DPS OX P	MOC	GQ4111	
16	07	24	A	GN7723T * RR ANT T	MOC	GN7723	
16	07	25	R	GL4028X-0 * AGS FAIL	MOC	GL4028	
16	07	26	R	LGC RSTRT	MOC	LGC43E	
16	07	27	R	GP0001/41 * APS1 HE P	MOC	LEMCLS01	
16	07	28	A	GP0001/41 * APS1 HE P	MOC	LEMLS06	
16	07	29	A	GP0318X-1 * APS1 CLSD	MOC	GP0318	
16	07	30	A	GP0018/25 * APS REG P	MOC	LEMLS08	
16	07	31	A	GP1501P * APS FU P	MOC	GP1501	
16	07	32	A	GP1503P * APS OX P	MOC	GP1503	
16	07	33	A	GN7563T * LR ANT T	MOC	GN7563	
16	07	34	R	CB69 FAIL * DECA PWR	MOC	LEM33E	
16	07	35	R	GG2142 * GMBL WARN	MOC	GG2142	
16	07	36	R	GP0002/42 * APS2 HE P	MOC	LEMCLS02	
16	07	37	A	GP0002/42 * APS2 HE P	MOC	LEMLS07	
16	07	38	A	GP0320X-1 * APS2 CLSD	MOC	GP0320	
16	07	39	A	GG1040V * 120 VDC	MOC	GG1040	
16	07	40	A	GG1201V * 28VAC 800	MOC	GG1201	
16	07	41	A	GG1110V * 2.5 VDC	MOC	GG1110	
16	07	42	A	GG1331V * 3.2KC REF	MOC	GG1331	
16	07	43	R	CB37 FAIL * ENG ARM	MOC	LEM32E	
16	07	44	R	GG9001X-1 * LGC WARN	MOC	GG9001	
16	07	45	R	GP0018/25 * APS REG P	MOC	LEMCLS03	
16	07	46	A	GH1330X-1 * R TRM FL	MOC	GH1330	
16	07	47	A	GG2279V * R ATT ERR	MOC	GG2279	
16	07	48	A	GH1457V * R ATT ERR	MOC	GH1457	
16	07	49	A	ACDU/AGS * ΔR	MOC	LGC8603C	38
16	07	50	A	GH1463V * R RGA	MOC	GH1463	
16	07	51	R	GUID LOST	MOC	LGC61E	
16	07	52	R	IMU/ACDU * ΔR ATT	MOC	LEM5604C	38
16	07	53	R	942C33140 * LGC WARN	MOC	LCH33B14	
16	07	54	R	GP1503P * APS OX P	MOC	GP1503	
16	07	55	A	GH1323X-1 * P TRM FL	MOC	GH1323	
16	07	56	A	GG2219V * P ATT ERR	MOC	GG2219	
16	07	57	A	GH1456V * P ATT ERR	MOC	GH1456	
16	07	58	A	ACDU/AGS * ΔP	MOC	LGC8602C	38
16	07	59	A	GH1462V * P RGA	MOC	GH1462	
16	07	60	R	ENG GMBL * FAIL	MOC	LGC62E	
16	07	61	R	IMU/ACDU * ΔP ATT	MOC	LEM5603C	38
16	07	62	R	GG9002X-1 * ISS WARN	MOC	GG9002	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	07	63	R	GP1501P * APS FU P	MOC	GP1501	
16	07	64	A	GG2142 * GMBL CAUT	MOC	GG2142	
16	07	65	A	GG2249V * Y ATT ERR	MOC	GG2249	
16	07	66	A	GH1455V * Y ATT ERR	MOC	GH1455	
16	07	67	A	ACDU/AGS * ΔY	MOC	LGC8601C	38
16	07	68	A	GH1461V * Y RGA	MOC	GH1461	
16	07	69	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
16	07	70	R	IMU/ACDU * ΔY ATT	MOC	LEM5605C	38
16	07	71	R	911C11011 * ISS WARN	MOC	LCH11B01	
16	07	72	R	DPS INLET * OX/FU P	MOC	LEMCLS06	
16	10	01U		(BLANK)	MOC	043U	
16	10	01L	G	441F10131 * ASCENT	MOC	LFW10B13	
16	10	02U	G	2 JET A	MOC	LGC23E	
16	10	02L	G	2 JET B	MOC	LGC24E	
16	10	03U	G	642D00070 * RHC FINE	MOC	LDBB07	
16	10	03L	G	642D00071 * RHC NORM	MOC	LDBB07	
16	10	04U	G	0.3 * DEG D/B	MOC	LGC31E	
16	10	04L	G	1.0 * DEG D/B	MOC	LGC32E	
16	10	05U	G	0.2 * DEG/SEC	MOC	LGC27E	
16	10	05L	G	0.5 * DEG/SEC	MOC	LGC28E	
16	10	06U	G	641R00121 * RR MODE 2	MOC	LRMB12	
16	10	06L	G	641R00141 * RR REMODE	MOC	LRMB14	
16	10	07U	G	441F10130 * DESCENT	MOC	LFW10B13	
16	10	07L	G	642D00131 * CM DOCKED	MOC	LDBB13	
16	10	08U	G	4 JET A	MOC	LGC25E	
16	10	08L	G	4 JET B	MOC	LGC26E	
16	10	09U		(BLANK)	MOC	043U	
16	10	09L	G	401F02141 * RR SEARCH	MOC	LFW2B14	
16	10	10U	G	5.0 * DEG D/B	MOC	LGC33E	
16	10	10L		(BLANK)	MOC	043U	
16	10	11U	G	2.0 * DEG/SEC	MOC	LGC29E	
16	10	11L	G	10.0 * DEG/SEC	MOC	LGC30E	
16	10	12U	G	641R00111 * RR REPOS	MOC	LRMB11	
16	10	12L	G	641R00101 * RR DESIG	MOC	LRMB10	
16	10	13U	G	642D00091 * XOVINHIB	MOC	LDBB09	
16	10	13L	A	642D00151 * MIN IMP	MOC	LDBB15	
16	10	14U	G	442F11091 * XOR INH	MOC	LFW11B09	
16	10	14L	G	412F05131 * NO U-VJET	MOC	LFW5B13	
16	10	15U	A	442F11031	MOC	LFW11B03	
16	10	15L	G	442F11080 * ASTRLRINH	MOC	LFW11B08	
16	10	16U	G	442F11111 * PSTHIGAT	MOC	LFW11B11	
16	10	16L	G	442F11101 * LR REPOS	MOC	LFW11B10	
16	10	17U	G	422F07070 * DV MON ON	MOC	LFW7B07	
16	10	17L	A	912C12060 * IMUEC DIS	MOC	LCH12B06	
16	10	18U	G	641R00151 * CONT DES	MOC	LRMB15	
16	10	18L	G	912C12021 * RR EC EN	MOC	LCH12B02	
16	11	01	W	ALL * CNTRL * LIMITS *	R/CIM	106A	
16	11	01		DISABL	R/CIM	106A	
16	11	02	W	ALL CNTRL * CRIT * DISABLE	R/CIM	029A	
16	11	03	W	LUNAR * SURF CRIT * DISABLE	R/CIM	088L	
16	11	04	W	LM * TELMU * FORMAT *	R/CIM	058L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	11	04		UPDATE	R/CIM	080U	
16	11	05	W	LM GNC * FORMAT * UPDATE *	R/CIM	059L	
16	11	06	W	STAGED * LIMITS * DISABL	R/CIM	171S	
16	11	07	W	LAUNCH * LIMITS * DISABL	R/CIM	077L	
16	11	08		(BLANK)	R/CIM	043U	
16	11	09	W	LM * CONSUM * SMMARY	R/CIM	247L	
16	11	10	W	LGC * DOWNLINK * FORMAT *	R/CIM	017L	
16	11	10		UPDATE	R/CIM	017L	
16	11	11	W	COAST * LIMITS * DISABL	R/CIM	177C	
16	11	12		(BLANK)	PBI	043U	30
16	11	13		(BLANK)	PBI	043U	30
16	11	14		(BLANK)	PBI	043U	30
16	11	15	W	AGS * DNL * FMT *	R/CIM	060A	
16	11	15		UPDATE * 64	R/CIM	060A	
16	11	16		(BLANK)	R/CIM	043U	
16	11	17		(BLANK)	PBI	043U	30
16	11	18		(BLANK)	PBI	043U	30
16	11	19	W	SUM DEL V * CALC * START/ *	R/CIM	430S	
16	11	19		STOP	R/CIM	430S	
16	11	20		(BLANK)	R/CIM	043U	
16	11	21		(BLANK)	PBI	043U	30
16	11	22		(BLANK)	PBI	043U	30
16	11	23		(BLANK)	R/CIM	043U	
16	11	24		(BLANK)	R/CIM	043U	
16	11	25		(BLANK)	PBI	043U	30
16	11	26		(BLANK)	PBI	043U	30
16	11	27		(BLANK)	PBI	043U	30
16	11	28		(BLANK)	PBI	043U	30
16	11	29		(BLANK)	PBI	043U	30
16	11	30		(BLANK)	PBI	043U	30
16	11	31		(BLANK)	PBI	043U	30
16	11	32		(BLANK)	PBI	043U	30
16	11	33		(BLANK)	PBI	043U	30
16	11	34	W	BROAD- * CAST	R/CIM	030B	
16	11	35		(BLANK)	R/CIM	043U	
16	11	36	W	RESET	R/CIM	020R	
16	11	37	W	DISABLE	R/CIM	010D	
16	11	38	W	DISABLE * REMOVE	R/CIM	031D	
16	11	39	W	EXECUTE	PBI	031E	
16	11	40	W	CLEAR	PBI	028C	
16	13	01	R	PGNS	PBI	29-14	
16	13	01	A			043B	
16	13	01	G			043B	
16	13	02	R	PROP	PBI	29-19	
16	13	02	A			043B	
16	13	02	G			043B	
16	13	03		(BLANK)	PBI	043U	
16	13	03				043B	
16	13	03				043B	
16	13	04	R	AGS	PBI	29-15	
16	13	04	A			043B	
16	13	04	G			043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	13	05		(BLANK)	PBI	043U	
16	13	05				043B	
16	13	05				043B	
16	13	06		(BLANK)	PBI	043U	
16	13	06				043B	
16	13	06				043B	
16	13	07	R	ABORT * REQUESTED	PBI	002A	
16	13	08	R	(STATUS REPORT)	PBI	123S	
16	13	09	A	(STATUS REPORT)	PBI	123S	
16	13	10	G	(STATUS REPORT)	PBI	123S	
16	14	01	W	CONTROL * R/T * 1	PBI	34	
16	14	02	W	CONTROL * P/B * 1	PBI	32	
16	14	03	W	CONTROL * SUMS * 1	PBI	33	
16	14	04	W	LM * TELMU * 1	PBI	37	
16	14	05	W	FIDO	PBI	35	
16	14	06		(BLANK)	PBI	043U	
16	14	07		(BLANK)	PBI	043U	
16	14	08	W	CONTROL * P/B * 2	PBI	38	
16	14	09	W	CONTROL * SUMS * 2	PBI	36	
16	14	10		(BLANK)	PBI	043U	
16	14	11		(BLANK)	PBI	043U	
16	14	12		(BLANK)	PBI	043U	
16	17					043B	24
16	17	01U	G	ENABLE	CCATS	012E	
16	17	01L	R	DISABLE	CCATS	010D	
16	17	02U	R	LOAD * MODE	CCATS	207L	
16	17	02L	G	RTC * MODE	CCATS	221R	
16	17	03U	G	UHF	CCATS	002U	
16	17	03L	R	USB	CCATS	031U	
16	17	04	A	SITE * SELECT	CCATS	066S	
16	17	04	G	CARRIER * ON	CCATS	010C	
16	17	05U	G	FC	CCATS	002F	
16	17	05L	R	M&O	CCATS	001M	
16	17	06	G	MAP * * OVRD	CCATS	023M	
16	17	07U	W	DATA * REJ	CCATS	081D	
16	17	07L	W	TM * REJ	CCATS	083T	
16	17	08U		(BLANK)	CCATS	043U	
16	17	08L		(BLANK)	CCATS	043U	
16	17	09U		(BLANK)	CCATS	043U	
16	17	09L		(BLANK)	CCATS	043U	
16	17	10U		(BLANK)	CCATS	043U	
16	17	10L		(BLANK)	CCATS	043U	
16	17	11U	W	VEH 1	CCATS	059V	
16	17	11L	W	VEH 2	CCATS	060V	
16	17	12U	G	VA 3 * LM	CCATS	061V	
16	17	12L	R	VA 4 * CSM	CCATS	065V	
16	17	13U	G	DSM * SELECT	CCATS	071D	
16	17	13L	R	CLEAR	CCATS	028C	
16	17	14	W	VERIFY * * CLEAR	CCATS	023V	
16	17	15U		(BLANK)	CCATS	043U	
16	17	15L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	17	16U		(BLANK)	CCATS	043U	
16	17	16L		(BLANK)	CCATS	043U	
16	17	17U	W	VEH 5	CCATS	062V	
16	17	17L	W	VEH 6	CCATS	063V	
16	17	18U	R	VA 7 * SLV	CCATS	066V	
16	17	18L	W	VEH 8	CCATS	064V	
16	18					043B	24
16	18	01U	W	RTC	CCATS	234R	
16	18	01L	G	INITIATE	CCATS	009I	
16	18	02U	W	VERB	CCATS	031V	
16	18	02L	W	INITIATE	CCATS	009I	
16	18	03U	W	LOAD	CCATS	038L	
16	18	03L	W	INITIATE	CCATS	009I	
16	18	04U	W	LINE/LINE	CCATS	218L	
16	18	04L	W	INITIATE	CCATS	009I	
16	18	05U	W	COMPARE	CCATS	294C	
16	18	05L	W	INITIATE	CCATS	009I	
16	18	06U	W	CMD	CCATS	035C	
16	18	06L	W	TERMINATE	CCATS	007T	
16	18	07	W	0	CCATS	026N	
16	18	08	W	1	CCATS	027N	
16	18	09	W	2	CCATS	028N	
16	18	10	W	3	CCATS	029N	
16	18	11	W	4	CCATS	030N	
16	18	12U	G	SITE * VAL	CCATS	192S	
16	18	12L	R	RSCC * INVAL	CCATS	235R	
16	18	13	W	5	CCATS	031N	
16	18	14	W	6	CCATS	032N	
16	18	15	W	7	CCATS	033N	
16	18	16	W	8	CCATS	034N	
16	18	17	W	9	CCATS	035N	
16	18	18U	R	S/C REJ	CCATS	092S	
16	18	18L	R	GND REJ	CCATS	040G	
16	20					043B	23
16	20	01	A	391F00101	MOC	LFW0B10	
16	20	02	G	401F02151 * DRIFT FLG	MOC	LFW2B15	
16	20	03	A	412F05101 * RR SC CNG	MOC	LFW5B10	
16	20	04	W	431F08031	MOC	LFW8B03	
16	20	05	W	441F10151	MOC	LFW10B15	
16	20	06	W	441F10061	MOC	LFW10B06	
16	20	07	W	442F11131 * LR H FAIL	MOC	LFW11B13	
16	20	08	W	442F11051	MOC	LFW11B05	
16	20	09		(BLANK)	MOC	043U	
16	20	10	G	391F00080 * NO IMUSE	MOC	LFW0B08	
16	20	11	W	401F02111 * STEERENBL	MOC	LFW2B11	
16	20	12	G	412F05071 * ENGONFLG	MOC	LFW5B07	
16	20	13	W	432F09151	MOC	LFW9B15	
16	20	14	W	441F10141 * INTG BUSY	MOC	LFW10B14	
16	20	15	W	441F10051	MOC	LFW10B05	
16	20	16	W	442F11121 * VXINH	MOC	LFW11B12	
16	20	17	W	442F11041 * RNGEDATA	MOC	LFW11B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	20	18		(BLANK)	MOC	043U	
16	20	19	W	391F00041 * TOT ERROR	MOC	LFW0B04	
16	20	20	G	401F02050 * CSMACTIVE	MOC	LFW2B05	
16	20	21	A	412F05051 * P AX JETS	MOC	LFW5B05	
16	20	22	W	432F09141 * VERT RISE	MOC	LFW9B14	
16	20	23	W	441F10121	MOC	LFW10B12	
16	20	24	W	441F10041	MOC	LFW10B04	
16	20	25	W	442F11111 * PSTHIGAT	MOC	LFW11B11	
16	20	26	W	442F11031	MOC	LFW11B03	
16	20	27		(BLANK)	MOC	043U	
16	20	28	W	391F00011 * P66STEER	MOC	LFW0B01	
16	20	29	W	401F02031 * NOFINROLL	MOC	LFW2B03	
16	20	30	W	412F05041 * NORRMON	MOC	LFW5B04	
16	20	31	W	432F09131 * ASC ABORT	MOC	LFW9B13	
16	20	32	W	441F10111	MOC	LFW10B11	
16	20	33	W	441F10031	MOC	LFW10B03	
16	20	34	W	442F11101 * LR REPOS	MOC	LFW11B10	
16	20	35	W	442F11021 * LR V FLSH	MOC	LFW11B02	
16	20	36		(BLANK)	MOC	043U	
16	20	37	G	392F01151 * 2JET +X	MOC	LFW1B15	
16	20	38	B	401F02021 * KM INIT	MOC	LFW2B02	
16	20	39	W	421F06091	MOC	LFW6B09	
16	20	40	W	432F09121 * ASCPOSCON	MOC	LFW9B12	
16	20	41	W	441F10101	MOC	LFW10B10	
16	20	42	W	441F10021	MOC	LFW10B02	
16	20	43	W	442F11091 * XOR INH	MOC	LFW11B09	
16	20	44	W	442F11011 * LR H FLSH	MOC	LFW11B01	
16	20	45		(BLANK)	MOC	043U	
16	20	46	W	392F01141 * DIDFLAG	MOC	LFW1B14	
16	20	47	A	401F02011 * NO V37	MOC	LFW2B01	
16	20	48	W	421F06071 * INHTHRPLS	MOC	LFW6B07	
16	20	49	W	432F09101 * FLRCS	MOC	LFW9B10	
16	20	50	W	441F10091	MOC	LFW10B09	
16	20	51	W	441F10011	MOC	LFW10B01	
16	20	52	W	442F11081 * ASTRLR OK	MOC	LFW11B08	
16	20	53	G	392F01151 * 2JET +X	MOC	LFW1B15	
16	20	54	G	402F03091 * R04 RUN	MOC	LFW3B09	
16	20	55	B	392F01111 * NO TERAIN	MOC	LFW1B11	
16	20	56	W	402F03111 * FLT CONFG	MOC	LFW3B11	
16	20	57	W	421F06041	MOC	LFW6B04	
16	20	58	W	432F09091 * ABTPROENB	MOC	LFW9B09	
16	20	59	W	441F10081	MOC	LFW10B08	
16	20	60	W	442F11151 * LR BYPASS	MOC	LFW11B15	
16	20	61	W	442F11071 * VELDATA	MOC	LFW11B07	
16	20	62	A	401F02131 * RR MANACQ	MOC	LFW2B13	
16	20	63		(BLANK)	MOC	043U	
16	20	64	W	392F01091	MOC	LFW1B09	
16	20	65	W	412F05131 * NO U-VJET	MOC	LFW5B13	
16	20	66	G	422F07141 * ATTMVR RR	MOC	LFW7B14	
16	20	67	W	432F09081 * ASCDPSAPS	MOC	LFW9B08	
16	20	68	W	441F10071 * REINTFLG	MOC	LFW10B07	
16	20	69	W	442F11141 * LR V FAIL	MOC	LFW11B14	
16	20	70	W	442F11061	MOC	LFW11B06	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
16	20	71	W	411F04021	MOC	LFW4B02	
16	20	72		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
17	11	01		(BLANK)	PBI	043U	
17	11	01				043B	
17	11	01				043B	
17	11	02		(BLANK)	PBI	043U	
17	11	02				043B	
17	11	02				043B	
17	11	03	R	FLT. PLAN * SUPPORT 1	PBI	23-14	
17	11	03	A			043B	
17	11	03	G			043B	
17	11	04	R	FLT. PLAN * SUPPORT 2	PBI	23-17	
17	11	04	A			043B	
17	11	04	G			043B	
17	11	05		(BLANK)	PBI	043U	
17	11	05				043B	
17	11	05				043B	
17	11	06		(BLANK)	PBI	043U	
17	11	06				043B	
17	11	06				043B	
17	11	07	R	ABORT * REQUESTED	PBI	002A	
17	11	08	R	(STATUS REPORT)	PBI	123S	
17	11	09	A	(STATUS REPORT)	PBI	123S	
17	11	10	G	(STATUS REPORT)	PBI	123S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
18	03	01U	G	ALDS	CCATS	036A	
18	03	01L	G	MILA	CCATS	056M	
18	03	02U	G	GBM	CCATS	007G	
18	03	02L	G	ANG	CCATS	043A	
18	03	03U	G	BDA	CCATS	013B	
18	03	03L	B	ACN	CCATS	136A	
18	03	04U	G	CYI	CCATS	100C	
18	03	04L	W	MAD	CCATS	003M	
18	03	05U	B	CRO	CCATS	057C	
18	03	05L	W	HSK	CCATS	083H	
18	03	06U	B	GWM	CCATS	063G	
18	03	06L	B	HAW	CCATS	002H	
18	03	07U	W	GDS	CCATS	018G	
18	03	07L	G	GYM	CCATS	075G	
18	03	08U	G	TEX	CCATS	012T	
18	03	08L	G	VAN	CCATS	013V	
18	03	09U	G	RED	CCATS	007R	
18	03	09L	G	MER	CCATS	034M	
18	03	10U	G	FC	CCATS	002F	
18	03	10L	G	M&O	CCATS	001M	
18	03	11U	G	CSM * LIVE	CCATS	299C	
18	03	11L	A	CSM * STATIC	CCATS	300C	
18	03	12U	G	CMC * LIVE	CCATS	302C	
18	03	12L	A	CMC * STATIC	CCATS	303C	
18	03	13U	G	SII * LIVE	CCATS	354S	
18	03	13L	A	SII * STATIC	CCATS	355S	
18	03	14U	G	SIVB * LIVE	CCATS	228S	
18	03	14L	A	SIVB * STATIC	CCATS	229S	
18	03	15U	G	SIU * LIVE	CCATS	061I	
18	03	15L	A	SIU * STATIC	CCATS	062I	
18	03	16U	G	LM * LIVE	CCATS	110L	
18	03	16L	A	LM * STATIC	CCATS	111L	
18	03	17U	G	LGC * LIVE	CCATS	226L	
18	03	17L	A	LGC * STATIC	CCATS	227L	
18	03	18U	G	AEA * LIVE	CCATS	230A	
18	03	18L	A	AEA * STATIC	CCATS	231A	
18	07			(SIGNAL TO START CLOCK)		143S	
18	10	01	R	RTCC * M&O * SUPERVISOR	PBI	51-15	
18	10	01	A			043B	
18	10	01	G			043B	
18	10	02	R	CMD LOAD * R/T CONT	PBI	73-13	
18	10	02	A			043B	
18	10	02	G			043B	
18	10	03	R	TLM * INST CONT	PBI	75-02	
18	10	03	A			043B	
18	10	03	G			043B	
18	10	04	R	TRK	PBI	76-11	
18	10	04	A			043B	
18	10	04	G			043B	
18	10	05		(BLANK)	PBI	043U	
18	10	05				043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
18	10	05				043B	
18	10	06		(BLANK)	PBI	043U	
18	10	06				043B	
18	10	06				043B	
18	10	07	R	ABORT * REQUESTED	PBI	002A	
18	10	08	R	(STATUS REPORT)	PBI	123S	
18	10	09	A	(STATUS REPORT)	PBI	123S	
18	10	10	G	(STATUS REPORT)	PBI	123S	
18	18	01	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
18	18	02U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
18	18	02L	G	SDS R/T * 768 KHZ	STRIP	SM6USB02	
18	18	03	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
18	18	04U	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
18	18	04L	G	SDS D/T * 576 KHZ	STRIP	SM6USB01	
18	18	05	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
18	18	06	G	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
18	18	07	B	LM UDL * 70KHZ	STRIP	LMUSB01	
18	18	08	B	LM PRN * UPLINK	STRIP	LMUSB03	
18	18	09	B	LM PM * DN LOCK	STRIP	LMUSB04	
18	18	10	B	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
18	18	11U	B	LM G/A * 30KHZ	STRIP	LMUSB02	
18	18	11L	B	LCRU VOICE * UP 124 KHZ	STRIP	LCRUUSB06	
18	18	12	B	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
18	18	13	W	IU UDL * 70KHZ	STRIP	IUUSB01	
18	18	14	W	IU PRN * UPLINK	STRIP	IUUSB03	
18	18	15	W	IU PM * DN LOCK	STRIP	IUUSB04	
18	18	16	W	CCS TM * SYNC	STRIP	IUUSB07	
18	18	17U	G	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
18	18	17L		(BLANK)	MOC	043U	
18	18	18U	B	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
18	18	18L	B	LM FM TM * 1.024MHZ	STRIP	LMUSB08	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	03	01U		(BLANK)	MOC	043U	
19	03	01L	W	CDR	BMDADS	371C	
19	03	02	W	A1	BMDADS	093A	
19	03	03U	W	SUITED	BMDADS	371S	
19	03	03L	W	UNSUITED	BMDADS	081U	
19	03	04	W	AVE START	BMDADS	277A	
19	03	05U		(BLANK)	MOC	043U	
19	03	05L	A	CDR	BMDADS	371C	
19	03	06	A	A2	BMDADS	093A	
19	03	07U		(BLANK)	MOC	043U	
19	03	07L	W	CMP	BMDADS	372C	
19	03	08	W	B1	BMDADS	046B	
19	03	09	W	D1	BMDADS	105D	
19	03	10	W	LFI	BMDADS	024L	
19	03	11U		(BLANK)	MOC	043U	
19	03	11L	A	CMP	BMDADS	372C	
19	03	12	A	B2	BMDADS	046B	
19	03	13U		(BLANK)	MOC	043U	
19	03	13L	W	LMP	BMDADS	260L	
19	03	14	W	C1	BMDADS	398C	
19	03	15U	W	CM	BMDADS	346C	
19	03	15L	W	LM	BMDADS	010L	
19	03	16	W	CLEAR	BMDADS	028C	
19	03	17U		(BLANK)	MOC	043U	
19	03	17L	A	LMP	BMDADS	260L	
19	03	18	A	C2	BMDADS	398C	
19	08			IRIG 5		371C	65
19	08					043B	
19	08			IHR		116I	65
19	08			(CARD 1) (IRIG CHANNEL 5)		352C	
19	08	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	08	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	08	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
19	08	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
19	08	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
19	08	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
19	08	04				043B	
19	08	04		AHR		295A	65
19	08	04		(CARD 1) (IRIG CHANNEL 5)		352C	
19	08	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	08	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	08	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
19	08	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
19	08	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	08	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	08	07				043B	
19	08	07		ABR		296A	65
19	08	07		(PNEU 1) (IRIG CHANNEL 2)		352P	
19	08	07	R	(BREATH RATE TENS)	BMDADS	026NA	
19	08	07	A	(BREATH RATE TENS)	BMDADS	026NA	
19	08	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
19	08	08	A	(BREATH RATE UNITS)	BMDADS	026NA	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	09	01		IRIG 5 EKG	FM	IRIG 5	
19	09	02		IRIG 2 ZPN	FM	IRIG 2	
19	09	03		IRIG 6 EKG	FM	IRIG 6	
19	09	04		IRIG 3 ZPN	FM	IRIG 3	
19	09	05		IRIG 7 EKG	FM	IRIG 7	
19	09	06		IRIG 4 ZPN	FM	IRIG 4	
19	09	07		(UNASSIGNED)	FM	043U	
19	09	08		(UNASSIGNED)	FM	043U	
19	10	01	W	C/T * ENABLE	BMDADS	347CA	
19	10	02	W	AVG TIME * 5 SEC	BMDADS	259AA	
19	10	03	A	C/T * ENABLE	BMDADS	347CB	
19	10	04	A	AVG TIME * 5 SEC	BMDADS	259AB	
19	10	05	W	C/T * ENABLE	BMDADS	347CC	
19	10	06	W	AVG TIME * 5 SEC	BMDADS	259AC	
19	10	07	W	CALIB * 50 BPM	BMDADS	348CA	
19	10	08	W	AVG TIME * 10 SEC	BMDADS	260AA	
19	10	09	A	CALIB * 50 BPM	BMDADS	348CB	
19	10	10	A	AVG TIME * 10 SEC	BMDADS	260AB	
19	10	11	W	CALIB * 50 BPM	BMDADS	348CC	
19	10	12	W	AVG TIME * 10 SEC	BMDADS	260AC	
19	10	13	W	CALIB * 150 BPM	BMDADS	349CA	
19	10	14	W	AVG TIME * 15 SEC	BMDADS	261AA	
19	10	15	A	CALIB * 150 BPM	BMDADS	349CB	
19	10	16	A	AVG TIME * 15 SEC	BMDADS	261AB	
19	10	17	W	CALIB * 150 BPM	BMDADS	349CC	
19	10	18	W	AVG TIME * 15 SEC	BMDADS	261AC	
19	15	01	W	P/T * ENABLE	BMDADS	105PA	
19	15	02	W	AVG TIME * 30 SEC	BMDADS	262AA	
19	15	03	A	P/T * ENABLE	BMDADS	105PB	
19	15	04	A	AVG TIME * 30 SEC	BMDADS	262AB	
19	15	05	W	P/T * ENABLE	BMDADS	105PC	
19	15	06	W	AVG TIME * 30 SEC	BMDADS	262AC	
19	15	07	W	CALIB * 10 BPM	BMDADS	350CA	
19	15	08		(BLANK)	BMDADS	043UA	
19	15	09	A	CALIB * 10 BPM	BMDADS	350CB	
19	15	10		(BLANK)	BMDADS	043UB	
19	15	11	W	CALIB * 10 BPM	BMDADS	350CC	
19	15	12		(BLANK)	BMDADS	043UC	
19	15	13	W	CALIB * 30 BPM	BMDADS	351CA	
19	15	14	W	DELAY R/R * NORMAL	BMDADS	090DA	
19	15	15	A	CALIB * 30 BPM	BMDADS	351CB	
19	15	16	A	DELAY R/R * NORMAL	BMDADS	090DB	
19	15	17	W	CALIB * 30 BPM	BMDADS	351CC	
19	15	18	W	DELAY R/R * NORMAL	BMDADS	090DC	
19	16	01		(NO SWITCH INSTALLED)		459N	
19	16	02		(NO SWITCH INSTALLED)		459N	
19	16	03		(NO SWITCH INSTALLED)		459N	
19	16	04		(NO SWITCH INSTALLED)		459N	
19	16	05		(NO SWITCH INSTALLED)		459N	
19	16	06		(NO SWITCH INSTALLED)		459N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	16	07		(NO SWITCH INSTALLED)		459N	
19	16	08		(NO SWITCH INSTALLED)		459N	
19	16	09		(NO SWITCH INSTALLED)		459N	
19	16	10		(NO SWITCH INSTALLED)		459N	
19	16	11		(NO SWITCH INSTALLED)		459N	
19	16	12		(NO SWITCH INSTALLED)		459N	
19	16	13		(NO SWITCH INSTALLED)		459N	
19	16	14		(NO SWITCH INSTALLED)		459N	
19	16	15		(NO SWITCH INSTALLED)		459N	
19	16	16		(NO SWITCH INSTALLED)		459N	
19	16	17		(NO SWITCH INSTALLED)		459N	
19	16	18		(NO SWITCH INSTALLED)		459N	
19	16	19		(NO SWITCH INSTALLED)		459N	
19	16	20		(NO SWITCH INSTALLED)		459N	
19	16	21		(NO SWITCH INSTALLED)		459N	
19	16	22		(NO SWITCH INSTALLED)		459N	
19	16	23		(NO SWITCH INSTALLED)		459N	
19	16	24		(NO SWITCH INSTALLED)		459N	
19	16	25		(NO SWITCH INSTALLED)		459N	
19	16	26	W	CSM * BIO * 80	R/CIM	082C	
19	16	27	W	LM BIO * 83	R/CIM	101L	
19	16	28	W	FAC(0)	R/CIM	009F	92
19	16	29	W	MET * RATE * START * EMU 2	R/CIM	012M	
19	16	30		(BLANK)	R/CIM	043U	
19	16	31	W	PHY * 81	R/CIM	014P	
19	16	32	W	PLSS * BIO * 84	R/CIM	142P	
19	16	33	W	FAC(1)	R/CIM	010F	92
19	16	34	W	MET * RATE * START * EMU 1	R/CIM	012M	
19	16	35	W	PLAYBACK	R/CIM	600P	
19	16	36	W	PLSS * XFER	R/CIM	143P	
19	16	37	W	UP-8 * PLOT * START * 1711	R/CIM	095U	
19	16	38	W	UP-9 * PLOT * START * 1712	R/CIM	096U	
19	16	39	W	EXECUTE	PBI	031E	
19	16	40	W	CLEAR	PBI	028C	
19	17	01U	G	LIFTOFF	CASTS-	028L	
19	17	01L		(BLANK)	MOC	043U	
19	17	02U	G	S-IVB ENG * CUTOFF	MOC	SIU02E	
19	17	02L	R	EDS ABT A * CD0135X	MOC	CD0135	
19	17	03U		(BLANK)	MOC	043U	
19	17	03L		(BLANK)	MOC	043U	
19	17	04U	R	ABORT REQ * BS0080X	MOC	BS0080	
19	17	04L	R	CREW ABRT * CD0130X	MOC	CD0130	
19	17	05	G	MET RATE * ST CALC 1	MOC	AMD01E	
19	17	06	G	MET RATE * ST CALC 2	MOC	AMD02I	
19	17	07U		(BLANK)	MOC	043U	
19	17	07L		(BLANK)	MOC	043U	
19	17	08U	G	SPS * IGNITION	MOC	CSM01E	
19	17	08L		(BLANK)	MOC	043U	
19	17	09U		(BLANK)	MOC	043U	
19	17	09L		(BLANK)	MOC	043U	
19	17	10U	G	CSM SEP A * CD0023X	MOC	CD0023	
19	17	10L	G	APEX A * CD0230X	MOC	CD0230	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	17	11	G	FAC(0)=0	MOC	AMD03I	92
19	17	12	G	FAC(1)=0	MOC	AMD04I	92
19	17	13U	G	S-IVB ENG * IGN	MOC	SIU01E	
19	17	13L		(BLANK)	MOC	043U	
19	17	14U		(BLANK)	MOC	043U	
19	17	14L		(BLANK)	MOC	043U	
19	17	15U		(BLANK)	MOC	043U	
19	17	15L		(BLANK)	MOC	043U	
19	17	16U		(BLANK)	MOC	043U	
19	17	16L		(BLANK)	MOC	043U	
19	17	17U	G	DRO DEP A * CE0001X	MOC	CE0001	
19	17	17L	G	MN DEP A * CE0003X	MOC	CE0003	
19	17	18U		(BLANK)	MOC	043U	
19	17	18L		(BLANK)	MOC	043U	
19	18			IRIG 6		372C	65
19	18					043B	
19	18			IHR		116I	65
19	18			(CARD 2) (IRIG CHANNEL 6)		353C	
19	18	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	18	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	18	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
19	18	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
19	18	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
19	18	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
19	18	04				043B	
19	18	04		AHR		295A	65
19	18	04		(CARD 2) (IRIG CHANNEL 6)		353C	
19	18	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	18	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	18	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
19	18	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
19	18	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	18	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	18	07				043B	
19	18	07		ABR		296A	65
19	18	07		(PNEU 2) (IRIG CHANNEL 3)		353P	
19	18	07	R	(BREATH RATE TENS)	BMDADS	026NA	
19	18	07	A	(BREATH RATE TENS)	BMDADS	026NA	
19	18	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
19	18	08	A	(BREATH RATE UNITS)	BMDADS	026NA	
19	19			IRIG 7		260L	65
19	19					043B	
19	19			IHR		116I	65
19	19			(CARD 3)(IRIG CHANNEL 7)		354C	
19	19	01	R	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	19	01	A	(INST HEART RATE HUNDREDS)	BMDADS	026NA	
19	19	02	R	(INST HEART RATE TENS)	BMDADS	026NA	
19	19	02	A	(INST HEART RATE TENS)	BMDADS	026NA	
19	19	03	R	(INST HEART RATE UNITS)	BMDADS	026NA	
19	19	03	A	(INST HEART RATE UNITS)	BMDADS	026NA	
19	19	04				043B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	19	04		AHR		295A	65
19	19	04		(CARD 3)(IRIG CHANNEL 7)		354C	
19	19	04	R	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	19	04	A	(AVE HEART RATE HUNDREDS)	BMDADS	026NA	
19	19	05	R	(AVE HEART RATE TENS)	BMDADS	026NA	
19	19	05	A	(AVE HEART RATE TENS)	BMDADS	026NA	
19	19	06	R	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	19	06	A	(AVE HEART RATE UNITS)	BMDADS	026NA	
19	19	07				043B	
19	19	07		ABR		296A	65
19	19	07		(PNEU 3) (IRIG CHANNEL 4)		354P	
19	19	07	R	(BREATH RATE TENS)	BMDADS	026NA	
19	19	07	A	(BREATH RATE TENS)	BMDADS	026NA	
19	19	08	R	(BREATH RATE UNITS)	BMDADS	026NA	
19	19	08	A	(BREATH RATE UNITS)	BMDADS	026NA	
19	20	01U	A	SUITED	BMDADS	371S	
19	20	01L	A	UNSUITED	BMDADS	081U	
19	20	02	A	AVE START	BMDADS	277A	
19	20	03U		(BLANK)	MOC	043U	
19	20	03L	W	CDR	BMDADS	371C	
19	20	04	W	A3	BMDADS	093A	
19	20	05U	W	SUITED	BMDADS	371S	
19	20	05L	W	UNSUITED	BMDADS	081U	
19	20	06	W	AVE START	BMDADS	277A	
19	20	07	A	D2	BMDADS	105D	
19	20	08		(BLANK)	BMDADS	043U	
19	20	09U		(BLANK)	MOC	043U	
19	20	09L	W	CMP	BMDADS	372C	
19	20	10	W	B3	BMDADS	046B	
19	20	11	W	D3	BMDADS	105D	
19	20	12		(BLANK)	BMDADS	043U	
19	20	13U	A	CM	BMDADS	346C	
19	20	13L	A	LM	BMDADS	010L	
19	20	14	A	CLEAR	BMDADS	028C	
19	20	15U		(BLANK)	MOC	043U	
19	20	15L	W	LMP	BMDADS	260L	
19	20	16	W	C3	BMDADS	398C	
19	20	17U	W	CM	BMDADS	346C	
19	20	17L	W	LM	BMDADS	010L	
19	20	18	W	CLEAR	BMDADS	028C	
19	21					043B	69
19	21	01 1	W	IRIG * 5 * EKG	PBI	IRIG 5	
19	21	02 1	W	IRIG * 5 * HR	PBI	352C	
19	21	03 1		(BLANK)	PBI	043U	
19	21	04 1	W	LCG 1 * ΔT * GT8196T	PBI	GT8196	38
19	21	05 1		(BLANK)	BMDADS	043U	
19	21	06 2	W	IRIG * 5 * EKG * DELAYED	PBI	092D	
19	21	07 2	W	IRIG * 2 * ZPN	PBI	IRIG 2	
19	21	08 2		(BLANK)	PBI	043U	
19	21	09 2	W	LCG 2 * ΔT * GT8296T	PBI	GT8296	38
19	21	10 2		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
19	21	11 3	W	IRIG * 6 * EKG	PBI	IRIG 6	
19	21	12 3	W	IRIG * 6 * HR	PBI	353C	
19	21	13 3		(BLANK)	PBI	043U	
19	21	14 3	W	LM * CO2 PP * GF1521P	PBI	GF1521	
19	21	15 3		(BLANK)	BMDADS	043U	
19	21	16 4	W	IRIG * 6 * EKG * DELAYED	PBI	091D	
19	21	17 4	W	IRIG * 3 * ZPN	PBI	IRIG 3	
19	21	18 4		(BLANK)	PBI	043U	
19	21	19 4	W	LM * CABIN T * GF1651T	PBI	GF1651	
19	21	20 4		(BLANK)	PBI	043U	
19	21	21 5	W	IRIG * 7 * EKG	PBI	IRIG 7	
19	21	22 5	W	IRIG * 7 * HR	PBI	354C	
19	21	23 5		(BLANK)	PBI	043U	
19	21	24 5	W	LM * CO2 PP * GF1521P	PBI	GF1521	
19	21	25 5		(BLANK)	BMDADS	043U	
19	21	26 6	W	IRIG * 7 * EKG * DELAYED	PBI	093D	
19	21	27 6	W	IRIG * 4 * ZPN	PBI	IRIG 4	
19	21	28 6		(BLANK)	PBI	043U	
19	21	29 6	W	LM * CABIN T * GF1651T	PBI	GF1651	
19	21	30 6		(BLANK)	PBI	043U	
19	21	31 7	W	IRIG * 5 * HR	PBI	352C	
19	21	32 7	W	IRIG * 6 * HR	PBI	353C	
19	21	33 7	W	IRIG * 7 * HR	PBI	354C	
19	21	34 7	W	LCG 1 * INLET * TEMP *	PBI	GT8154	
19	21	34 7		GT8154T	PBI	GT8154	
19	21	35 7	W	CSM * CABIN T * CF0002T	PBI	CF0002	
19	21	36 8	W	IRIG * 5 * HR	PBI	352C	
19	21	37 8	W	IRIG * 6 * HR	PBI	353C	
19	21	38 8	W	IRIG * 7 * HR	PBI	354C	
19	21	39 8	W	LCG 2 * INLET * TEMP *	PBI	GT8254	
19	21	39 8		GT8254T	PBI	GT8254	
19	21	40 8	W	CSM * CO2 PP * CF0005P	PBI	CF0005	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
20	03	01U	R	FC1 CUR * SC2113C	MOC	SC2113	
20	03	01L	R	FC1 O2 FL * SC2142R	MOC	SC2142	
20	03	02U	R	FC3 CUR * SC2115C	MOC	SC2115	
20	03	02L	R	FC3 O2 FL * SC2144R	MOC	SC2144	
20	03	03U	R	MAIN A V * CC0206V	MOC	CC0206	
20	03	03L	R	MAIN B V * CC0207V	MOC	CC0207	
20	03	04U	R	AC 1 ØA V * CC0200V	MOC	CC0200	40
20	03	04L	R	AC 2 ØA V * CC0203V	MOC	CC0203	40
20	03	05U	R	P PMP OUT * CF0016P	MOC	CF0016	
20	03	05L	R	P RAD IN * SF0260T	MOC	SF0260	
20	03	06U	R	O2 1 PRES * SC0037P	MOC	SC0037	
20	03	06L	R	O2 1 HTR * SC0070T	MOC	SC0070	
20	03	07U	R	FC1 H2 FL * SC2139R	MOC	SC2139	
20	03	07L	R	FC2 CUR * SC2114C	MOC	SC2114	
20	03	08U	R	FC3 H2 FL * SC2141R	MOC	SC2141	
20	03	08L	R	BAT A CUR * CC0222C	MOC	CC0222	
20	03	09U	R	BAT BUS A * CC0210V	MOC	CC0210	
20	03	09L	R	BAT BUS B * CC0211V	MOC	CC0211	
20	03	10U	R	MC&W * CS0150X R	MOC	CS0150	
20	03	10L	R	COMP ΔP * CF0015P	MOC	CF0015	38
20	03	11U	R	CABIN P * CF0001P	MOC	CF0001	
20	03	11L	R	H2 1 PRES * SC0039P	MOC	SC0039	
20	03	12U	R	O2 2 PRES * SC0038P	MOC	SC0038	
20	03	12L	R	O2 2 HTR * SC0071T	MOC	SC0071	
20	03	13U	R	FC2 O2 FL * SC2143R	MOC	SC2143	
20	03	13L	R	FC2 H2 FL * SC2140R	MOC	SC2140	
20	03	14U	R	BAT B CUR * CC0223C	MOC	CC0223	
20	03	14L	R	BAT C CUR * CC0224C	MOC	CC0224	
20	03	15U	R	BAT RLY V * CC0232V	MOC	CC0232	
20	03	15L	R	LM HTR C * CC2962C	MOC	CC2962	
20	03	16U	R	P ACC QTY * CF0019Q	MOC	CF0019	
20	03	16L	R	S ACC QTY * CF0072Q	MOC	CF0072	
20	03	17U	R	H2 2 PRES * SC0040P	MOC	SC0040	
20	03	17L	R	H2 3 PRES * SC0052P	MOC	SC0052	
20	03	18U	R	O2 3 PRES * SC0053P	MOC	SC0053	
20	03	18L	R	O2 3 HTR * SC0072T	MOC	SC0072	
20	04	01U	A	O2 1 QTY * SC0032Q	MOC	SC0032	
20	04	01L	A	O2 1 PRESS * SC0037P	MOC	SC0037	
20	04	02U	A	O2 2 QTY * SC0033Q	MOC	SC0033	
20	04	02L	A	O2 2 PRESS * SC0038P	MOC	SC0038	
20	04	03U	A	O2 3 QTY * SC0051Q	MOC	SC0051	
20	04	03L	A	O2 3 PRES * SC0053P	MOC	SC0053	
20	04	04U	A	H2 1 QTY * SC0030Q	MOC	SC0030	
20	04	04L	A	H2 1 PRES * SC0039P	MOC	SC0039	
20	04	05U	A	H2 2 QTY * SC0031Q	MOC	SC0031	
20	04	05L	A	H2 2 PRES * SC0040P	MOC	SC0040	
20	04	06U	A	H2 3 QTY * SC0050Q	MOC	SC0050	
20	04	06L	A	H2 3 PRES * SC0052P	MOC	SC0052	
20	04	07U	A	O2 1 HTR * SC0070T	MOC	SC0070	
20	04	07L	A	O2 1 TEMP * SC0041T	MOC	SC0041	
20	04	08U	A	O2 2 HTR * SC0071T	MOC	SC0071	
20	04	08L	A	O2 2 TEMP * SC0042T	MOC	SC0042	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
20	04	09U	A	O2 3 HTR * SC0072T	MOC	SC0072	
20	04	09L	A	O2 3 TEMP * SC0055T	MOC	SC0055	
20	04	10U	A	H2 1 TEMP * SC0043T	MOC	SC0043	
20	04	10L	A	O2 2/3 P * SC0069P	MOC	SC0069	
20	04	11U	A	H2 2 TEMP * SC0044T	MOC	SC0044	
20	04	11L	A	H2O/RES P * CF0120P	MOC	CF0120	
20	04	12U	A	H2 3 TEMP * SC0054T	MOC	SC0054	
20	04	12L	A	CO2 PAR P * CF0005P	MOC	CF0005	
20	04	13U	G	MC&W LTCH * CS0150X R	MOC	CS0150	
20	04	13L	G	MC&W * CS0150X R	MOC	CS0150	
20	04	14U	A	O2 TNK 1 * CAP ΔP	MOC	CSM3502C	38
20	04	14L	A	O2 TK 2/3 * CAP ΔP	MOC	CSM3503C	38
20	04	15U	A	SURGE P * CF0006P	MOC	CF0006	
20	04	15L	A	O2 MAN FL * CF0035R	MOC	CF0035	
20	04	16U	A	O2 MAN P * CF0036P	MOC	CF0036	
20	04	16L	A	COMP ΔP * CF0015P	MOC	CF0015	38
20	04	17U	A	SU/CAB ΔP * CF0003P	MOC	CF0003	38
20	04	17L	A	SUIT P * CF0012P	MOC	CF0012	
20	04	18U	A	CABIN P * CF0001P	MOC	CF0001	
20	04	18L	B	CSM EVENTS * PLAYBACK	MOC	600PA	
20	05	01U	A	P ACC QTY * CF0019Q	MOC	CF0019	
20	05	01L	A	P EVAP IN * CF0181T	MOC	CF0181	
20	05	02U	A	P PMP OUT * CF0016P	MOC	CF0016	
20	05	02L	A	P EV OUT * CF0018T	MOC	CF0018	
20	05	03U	A	S ACC QTY * CF0072Q	MOC	CF0072	
20	05	03L	A	S EV OUT * CF0071T	MOC	CF0071	
20	05	04U	A	S PMP OUT * CF0070P	MOC	CF0070	
20	05	04L	A	S STM P * CF0073P	MOC	CF0073	
20	05	05U	B	FLO CAL * 60F-10	MOC	CSM11I	07
20	05	05L	B	FLO CAL * 120F-30	MOC	CSM12I	07
20	05	06U	B	LAUNCH * LIMITS	MOC	CSMCATJ	
20	05	06L	B	ENTRY * LIMITS	MOC	CSMCATZ	
20	05	07U	A	P STM P * CF0034P	MOC	CF0034	
20	05	07L	A	P RAD IN * SF0260T	MOC	SF0260	
20	05	08U	A	P STM T * CF0017T	MOC	CF0017	
20	05	08L	A	P RAD OUT * CF0020T	MOC	CF0020	
20	05	09U	A	S RAD IN * SF0262T	MOC	SF0262	
20	05	09L	A	SU OUT T * CF0008T	MOC	CF0008	
20	05	10U	A	S RAD OUT * SF0263T	MOC	SF0263	
20	05	10L	A	CABIN T * CF0002T	MOC	CF0002	
20	05	11U	B	CO2 CAL * 14.7-30	MOC	CSM09I	06
20	05	11L	B	CO2 CAL * 3.7-10	MOC	CSM10I	06
20	05	12U	B	EECOM * ALL LIM	MOC	CSMCATECM	
20	05	12L	B	CSM * LIVE	CCATS	299C	
20	05	13U	A	P GLY FLO * CF0157R	MOC	CF0157	
20	05	13L	A	URINE NOZ * CF0460T	MOC	CF0460	
20	05	14U	W	RAD V PS2 * SF0266X	MOC	SF0266	
20	05	14L	A	H2O DUMP * CF0461T	MOC	CF0461	
20	05	15U	A	WST H2O Q * CF0009Q	MOC	CF0009	
20	05	15L	A	POT H2O Q * CF0010Q	MOC	CF0010	
20	05	16U	A	MAIN A V * CC0206V	MOC	CC0206	
20	05	16L	A	MAIN B V * CC0207V	MOC	CC0207	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
20	05	17U	A	AC 1 ØA V * CC0200V	MOC	CC0200	40
20	05	17L	A	AC 2 ØA V * CC0203V	MOC	CC0203	40
20	05	18U	B	CSM * STATIC	CCATS	300C	
20	05	18L	B	CSM * LFI	CCATS	358C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
21	02	01U	R	GF2921P * SEC GLY P	MOC	GF2921	
21	02	01L	R	GF9997U * G PUMP P	MOC	GF9997	
21	02	02U	R	GF3571P * CABIN P	MOC	GF3571	
21	02	02L	R	GF1301P * SUIT P	MOC	GF1301	
21	02	03U	R	GC1201C * BAT 1 C	MOC	GC1201	
21	02	03L	R	GC1202C * BAT 2 C	MOC	GC1202	
21	02	04U	R	GC0301V * CDR BUS V	MOC	GC0301	
21	02	04L	R	GC0302V * LMP BUS V	MOC	GC0302	
21	02	05U	R	GT8168P * PGA 1 P	MOC	GT8168	
21	02	05L	R	GT8182P * 1 O2 P	MOC	GT8182	
21	02	06U	R	GT8268P * PGA 2 P	MOC	GT8268	
21	02	06L	R	GT8282P * 2 O2 P	MOC	GT8282	
21	02	07U	R	GF9986U * GLY LOW	MOC	GF9986	
21	02	07L	R	GF2581T * GLY OUT T	MOC	GF2581	
21	02	08U	R	GF1083/4 * SF 1/2 MAL	MOC	LEM01CE	
21	02	08L	R	GF3582-4 * OXYGEN P	MOC	LEMCLS07	
21	02	09U	R	GC1207C * BAT L C	MOC	GC1207	
21	02	09L	R	GC1203C * BAT 3 C	MOC	GC1203	
21	02	10U	R	GC0205/6 * BAT 5/6 V	MOC	LEMCLS09	
21	02	10L	R	GL4047X-0 * BAT MAL	MOC	GL4047	
21	02	11U	R	GT8170T * 1 O2 T	MOC	GT8170	
21	02	11L	R	GT8110P * 1 H2O P	MOC	GT8110	
21	02	12U	R	GT8270T * 2 O2 T	MOC	GT8270	
21	02	12L	R	GT8210P * 2 H2O P	MOC	GT8210	
21	02	13U	R	GY0201/2 * ED A/B K16	MOC	LEM36E	
21	02	13L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
21	02	14U	R	LM4609-11 * WATER Q	MOC	LEMCLS08	
21	02	14L	R	GF4101P * H2O ΔP	MOC	GF4101	38
21	02	15U	R	GC1204C * BAT 4 C	MOC	GC1204	
21	02	15L	R	GC1205C * BAT 5 C	MOC	GC1205	
21	02	16U	R	GC9965/6-1 * BAT 5/6 MAL	MOC	LEM02CE	
21	02	16L	R	GC1206C * BAT 6 C	MOC	GC1206	
21	02	17U	R	GT8140C * 1 BAT CUR	MOC	GT8140	
21	02	17L	R	GT8141V * 1 BAT V	MOC	GT8141	
21	02	18U	R	GT8240C * 2 BAT CUR	MOC	GT8240	
21	02	18L	R	GT8241V * 2 BAT V	MOC	GT8241	
21	03	01U	A	LM4611 * D1 H2O Q#	MOC	LEM4611C	
21	03	01L	A	LM4617 * D2 H2O Q#	MOC	LEM4617C	
21	03	02U	A	GF3584P * D1 O2 P	MOC	GF3584	
21	03	02L	A	GF0584P * D2 O2 P	MOC	GF0584	
21	03	03U		(BLANK)	MOC	043U	
21	03	03L		(BLANK)	MOC	043U	
21	03	04U	A	GF1521P * CO2 PP	MOC	GF1521	
21	03	04L	A	GF9999U * H2O SEP R	MOC	GF9999	
21	03	05U	A	GF1301P * SUIT P	MOC	GF1301	
21	03	05L	A	GF3571P * CABIN P	MOC	GF3571	
21	03	06U	A	GF2021P * PUMP ΔP	MOC	GF2021	38
21	03	06L	A	GF9997U * G PUMP P	MOC	GF9997	
21	03	07U	A	LM4609 * A1 H2O Q#	MOC	LEM4609C	
21	03	07L	A	LM4610 * A2 H2O Q#	MOC	LEM4610C	
21	03	08U	A	GF3582P * A1 O2 P	MOC	GF3582	
21	03	08L	A	GF3583P * A2 O2 P	MOC	GF3583	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
21	03	09U		(BLANK)	MOC	043U	
21	03	09L		(BLANK)	MOC	043U	
21	03	10	A	GF4101P * H2O ΔP	MOC	GF4101	38
21	03	11U	A	GF3591P * U/H RLF P	MOC	GF3591	
21	03	11L	A	GF3592P * F/H RLF P	MOC	GF3592	
21	03	12U	A	GF2921P * SEC GLY P	MOC	GF2921	
21	03	12L	A	GF2531T * GLY IN T	MOC	GF2531	
21	03	13U	A	GF4511T * W/B H2O T	MOC	GF4511	
21	03	13L	A	GF4501P * D/H2O P	MOC	GF4501	
21	03	14U		(BLANK)	MOC	043U	
21	03	14L		(BLANK)	MOC	043U	
21	03	15U		(BLANK)	MOC	043U	
21	03	15L		(BLANK)	MOC	043U	
21	03	16U	A	GF1281T * SUIT TEMP	MOC	GF1281	
21	03	16L	A	GF1651T * CABIN T	MOC	GF1651	
21	03	17U		(BLANK)	MOC	043U	
21	03	17L		(BLANK)	MOC	043U	
21	03	18U	A	GF2581T * GLY OUT T	MOC	GF2581	
21	03	18L	A	GF9998U * GLY T	MOC	GF9998	
21	05	01U	B	ALL TELMU * LIM DSABL	MOC	LEMCATECM	
21	05	01L	B	STAGED * LIM DSABL	MOC	LEMCAT2	
21	05	02U	R	TELMUCRIT * LIM DSABL	MOC	LEMCRTECM	
21	05	02L		(BLANK)	MOC	043U	
21	05	03U	A	GT8101V * 1 CAL 0	MOC	GT8101	
21	05	03L	A	GT8102V * 1 CAL 100	MOC	GT8102	
21	05	04U	A	GT8196T * 1 LGC ΔT	MOC	GT8196	38
21	05	04L	A	GT8154T * 1 LGC IN T	MOC	GT8154	
21	05	05U	A	GT8140C * 1 BAT CUR	MOC	GT8140	
21	05	05L	A	GT8141V * 1 BAT V	MOC	GT8141	
21	05	06U	A	GT8168P * PGA 1 P	MOC	GT8168	
21	05	06L	A	GT8182P * 1 O2 P	MOC	GT8182	
21	05	07U	B	ASC BAT * LIM DSABL	MOC	LEMCAT4	
21	05	07L	B	EMU * LIM DSABL	MOC	LEMCAT5	
21	05	08U	B	CO2 PP * CAB CAL	MOC	LEM16I	
21	05	08L	B	CO2 PP * EGR CAL	MOC	LEM17I	
21	05	09U	A	GT8175P * 1 CO2 PP	MOC	GT8175	
21	05	09L	A	GT8201V * 2 CAL 0	MOC	GT8201	
21	05	10U		(BLANK)	MOC	043U	
21	05	10L	A	GT8296T * 2 LGC ΔT	MOC	GT8296	38
21	05	11U	A	GT8170T * 1 O2 T	MOC	GT8170	
21	05	11L	A	GT8240C * 2 BAT CUR	MOC	GT8240	
21	05	12U	A	GT8110P * 1 H2O P	MOC	GT8110	
21	05	12L	A	GT8268P * PGA 2 P	MOC	GT8268	
21	05	13U	B	PRELAUNCH * LIM DSABL	MOC	LEMCAT3	
21	05	13L	W	ALL LM * LIM DSABL	MOC	609L	
21	05	14U	B	EMU 1 CLC * ENABLE	MOC	LEM14I	
21	05	14L	B	EMU 2 CLC * ENABLE	MOC	LEM15I	
21	05	15U	A	GT8202V * 2 CAL 100	MOC	GT8202	
21	05	15L	A	GT8275P * 2 CO2 PP	MOC	GT8275	
21	05	16U	A	GT8254T * 2 LGC IN T	MOC	GT8254	
21	05	16L		(BLANK)	MOC	043U	
21	05	17U	A	GT8241V * 2 BAT V	MOC	GT8241	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
21	05	17L	A	GT8270T * 2 02 T	MOC	GT8270	
21	05	18U	A	GT8282P * 2 02 P	MOC	GT8282	
21	05	18L	A	GT8210P * 2 H2O P	MOC	GT8210	
21	13	01U	G	GF1211/12 * S/RLF AUT	MOC	LEM01E	
21	13	01L	A	GF1212X-1 * S/RLF OPN	MOC	GF1212	
21	13	02U	G	GF1231/32 * C/RET AUT	MOC	LEM02E	
21	13	02L	A	GF1232X-1 * C/RET OPN	MOC	GF1232	
21	13	03U		(BLANK)	MOC	043U	
21	13	03L		(BLANK)	MOC	043U	
21	13	04U	A	GF1083X-1 * S/F 1 MAL	MOC	GF1083	
21	13	04L	A	GF1084X-1 * S/F 2 MAL	MOC	GF1084	
21	13	05	A	GL4069X-0 * MSTR ALARM	MOC	GL4069	
21	13	06U	A	LEM31E * LBR	MOC	LEM31E	
21	13	06L		(BLANK)	MOC	043U	
21	13	07U	A	GF1211X-1 * S/RLF CLS	MOC	GF1211	
21	13	07L	B	GF1202X-1 * LMP/S DIS	MOC	GF1202	
21	13	08U	B	GF1231X-1 * C/RET EGR	MOC	GF1231	
21	13	08L	B	GF1201X-1 * CDR/S DIS	MOC	GF1201	
21	13	09	B	GF1221X-1 * S/DIV EGR	MOC	GF1221	
21	13	10	A	GF3572X-1 * REPR ELEC	MOC	GF3572	
21	13	11	A	GL4054X-0 * C&W FAIL	MOC	GL4054	
21	13	12	G	LM * LIVE	CCATS	110L	
21	13	13U	A	GF3071X-1 * DMD A CLS	MOC	GF3071	
21	13	13L		(BLANK)	MOC	043U	
21	13	14U	A	GF3073X-1 * DMD B CLS	MOC	GF3073	
21	13	14L		(BLANK)	MOC	043U	
21	13	15	A	GF1241X * SEC CO2	MOC	GF1241	
21	13	16U	A	GF9986U-1 * GLY LOW	MOC	GF9986	
21	13	16L	A	GF2936X-1 * PUMP SW/O	MOC	GF2936	
21	13	17U		(BLANK)	MOC	043U	
21	13	17L		(BLANK)	MOC	043U	
21	13	18U	A	LM * STATIC	CCATS	111L	
21	13	18L	A	LM * LFI	CCATS	024L	
21	14	01		(BLANK)	R/CIM	043U	
21	14	02		(BLANK)	R/CIM	043U	
21	14	03		(BLANK)	R/CIM	043U	
21	14	04	W	UP-34 * START * PLOT * 1059	R/CIM	033U	
21	14	05	W	UP-28 * START * PLOT * 1053	R/CIM	023U	
21	14	06		(BLANK)	R/CIM	043U	
21	14	07		(BLANK)	R/CIM	043U	
21	14	08		(BLANK)	R/CIM	043U	
21	14	09		(BLANK)	R/CIM	043U	
21	14	10	W	UP-29 * START * PLOT * 1054	R/CIM	024U	
21	14	11		(BLANK)	R/CIM	043U	
21	14	12		(BLANK)	R/CIM	043U	
21	14	13		(BLANK)	R/CIM	043U	
21	14	14		(BLANK)	R/CIM	043U	
21	14	15	W	UP-30 * START * PLOT * 1055	R/CIM	025U	
21	14	16		(BLANK)	R/CIM	043U	
21	14	17		(BLANK)	R/CIM	043U	
21	14	18		(BLANK)	R/CIM	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
21	14	19		(BLANK)	R/CIM	043U	
21	14	20	W	UP-31 * START * PLOT * 1056	R/CIM	028U	
21	14	21		(BLANK)	R/CIM	043U	
21	14	22		(BLANK)	R/CIM	043U	
21	14	23		(BLANK)	R/CIM	043U	
21	14	24		(BLANK)	R/CIM	043U	
21	14	25	W	UP-32 * START * PLOT * 1057	R/CIM	029U	
21	14	26	W	CO2 PP * CAL * CURVE *	R/CIM	381C	
21	14	26		CAB/EGR	R/CIM	381C	
21	14	27		(BLANK)	R/CIM	043U	
21	14	28		(BLANK)	R/CIM	043U	
21	14	29	W	B/U H2O * CALC * ZERO *	R/CIM	009B	
21	14	29		RESET	R/CIM	009B	
21	14	30	W	UP-33 * START * PLOT * 1058	R/CIM	030U	
21	14	31	W	EMU 1 * CALC * START	R/CIM	083E	
21	14	32		(BLANK)	R/CIM	043U	
21	14	33		(BLANK)	R/CIM	043U	
21	14	34	W	O2/H2O * QTY * RATE * RESET	R/CIM	046O	
21	14	35	W	P/B * FMT * UPDATE	R/CIM	001P	
21	14	36	W	EMU 2 * CALC * START	R/CIM	085E	
21	14	37		(BLANK)	R/CIM	043U	
21	14	38		(BLANK)	R/CIM	043U	
21	14	39	W	EXECUTE	PBI	031E	
21	14	40	W	CLEAR	PBI	028C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
24	02					043B	32
24	02					043B	1G
24	02	01U	W	AGCVOLTCM	PBI	AGCVOLTCM	
24	02	01L		(BLANK)	PBI	043U	
24	02	02U	W	USB S/S * CT0620V	PBI	CT0620	
24	02	02L		(BLANK)	PBI	043U	
24	02	03U	W	RCVR SIG * GT0994V-1	PBI	GT0994	
24	02	03L		(BLANK)	PBI	043U	
24	02	04U	W	AGCVOLTLM	PBI	AGCVOLTLM	
24	02	04L		(BLANK)	PBI	043U	
24	02	05U		(BLANK)	PBI	043U	
24	02	05L		(BLANK)	PBI	043U	
24	02	06A		SITE PM RCVR VOLTAGE-CSM	DAC	AGCVOLTCM	
24	02	06B		(UNASSIGNED)	DAC	043U	
24	02	07A		USB RCVR AGC VOLTAGE-CSM	DAC	CT0620	
24	02	07B		(UNASSIGNED)	DAC	043U	
24	02	08A		S-BAND RCVR AGC VOLTS-LM	DAC	GT0994	
24	02	08B		(UNASSIGNED)	DAC	043U	
24	02	09A		SITE PM RCVR VOLTAGE-LM	DAC	AGCVOLTLM	
24	02	09B		(UNASSIGNED)	DAC	043U	
24	02	10A		(UNASSIGNED)	DAC	043U	1L
24	02	10B		(UNASSIGNED)	DAC	043U	
24	04	01	W	CSM * COMM * DATA * PT * 77	R/CIM	030C	
24	04	02	W	CSM * COMM * LIMITS	R/CIM	075C	
24	04	03		(BLANK)	R/CIM	043U	
24	04	04		(BLANK)	R/CIM	043U	
24	04	05		(BLANK)	R/CIM	043U	
24	04	06	W	CSM * PLOT * CLEAR	R/CIM	038C	64
24	04	07		(BLANK)	R/CIM	043U	
24	04	08		(BLANK)	R/CIM	043U	
24	04	09		(BLANK)	R/CIM	043U	
24	04	10		(BLANK)	R/CIM	043U	
24	04	11	W	CSM * XPNDR * CAL	R/CIM	040C	08
24	04	12		(BLANK)	R/CIM	043U	
24	04	13		(BLANK)	R/CIM	043U	
24	04	14		(BLANK)	R/CIM	043U	
24	04	15		(BLANK)	R/CIM	043U	
24	04	16		(BLANK)	R/CIM	043U	
24	04	17		(BLANK)	R/CIM	043U	
24	04	18		(BLANK)	R/CIM	043U	
24	04	19		(BLANK)	R/CIM	043U	
24	04	20		(BLANK)	R/CIM	043U	
24	04	21		(BLANK)	R/CIM	043U	
24	04	22		(BLANK)	R/CIM	043U	
24	04	23		(BLANK)	R/CIM	043U	
24	04	24		(BLANK)	R/CIM	043U	
24	04	25		(BLANK)	R/CIM	043U	
24	04	26	W	LM * COMM * DATA * PT * 78	R/CIM	006L	
24	04	27	W	LM * COMM * LIMITS	R/CIM	030L	
24	04	28		(BLANK)	R/CIM	043U	
24	04	29	W	DISABLE * LIMITS	R/CIM	087D	
24	04	30	W	ENABLE * LIMITS	R/CIM	025E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
24	04	31	W	LM * PLOT * CLEAR	R/CIM	007L	64
24	04	32		(BLANK)	R/CIM	043U	
24	04	33		(BLANK)	R/CIM	043U	
24	04	34		(BLANK)	R/CIM	043U	
24	04	35		(BLANK)	R/CIM	043U	
24	04	36	W	LM * XPNDR * CAL	R/CIM	008L	63
24	04	37		(BLANK)	R/CIM	043U	
24	04	38		(BLANK)	R/CIM	043U	
24	04	39	W	EXECUTE	PBI	031E	
24	04	40	W	CLEAR	PBI	028C	
24	20					043B	21
24	20	01U		(BLANK)	MOC	043U	
24	20	01L		(BLANK)	MOC	043U	
24	20	02U		(BLANK)	MOC	043U	
24	20	02L		(BLANK)	MOC	043U	
24	20	03U		(BLANK)	MOC	043U	
24	20	03L		(BLANK)	MOC	043U	
24	20	04U		(BLANK)	MOC	043U	
24	20	04L		(BLANK)	MOC	043U	
24	20	05U		(BLANK)	MOC	043U	
24	20	05L		(BLANK)	MOC	043U	
24	20	06U		(BLANK)	MOC	043U	
24	20	06L		(BLANK)	MOC	043U	
24	20	07U		(BLANK)	MOC	043U	
24	20	07L		(BLANK)	MOC	043U	
24	20	08U		(BLANK)	MOC	043U	
24	20	08L		(BLANK)	MOC	043U	
24	20	09U		(BLANK)	MOC	043U	
24	20	09L		(BLANK)	MOC	043U	
24	20	10U		(BLANK)	MOC	043U	
24	20	10L		(BLANK)	MOC	043U	
24	20	11U		(BLANK)	MOC	043U	
24	20	11L		(BLANK)	MOC	043U	
24	20	12U		(BLANK)	MOC	043U	
24	20	12L		(BLANK)	MOC	043U	
24	20	13U		(BLANK)	MOC	043U	
24	20	13L		(BLANK)	MOC	043U	
24	20	14U		(BLANK)	MOC	043U	
24	20	14L		(BLANK)	MOC	043U	
24	20	15U		(BLANK)	MOC	043U	
24	20	15L		(BLANK)	MOC	043U	
24	20	16U		(BLANK)	MOC	043U	
24	20	16L		(BLANK)	MOC	043U	
24	20	17U		(BLANK)	MOC	043U	
24	20	17L		(BLANK)	MOC	043U	
24	20	18U		(BLANK)	MOC	043U	
24	20	18L		(BLANK)	MOC	043U	
24	21	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
24	21	01L	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
24	21	02U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
24	21	02L	A	CSM * STATIC	CCATS	300C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
24	21	03U	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
24	21	03L	G	CSM * LIVE	CCATS	299C	
24	21	04U	G	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
24	21	04L	A	CSM * LFI	CCATS	358C	
24	21	05U	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
24	21	05L	A	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
24	21	06U	G	SDS R/T * 768 KHZ	STRIP	SM6USB02	
24	21	06L	A	SDS D/T * 576 KHZ	STRIP	SM6USB01	
24	21	07U	G	LM UDL * 70KHZ	STRIP	LMUSB01	
24	21	07L	G	LM G/A * 30KHZ	STRIP	LMUSB02	
24	21	08U	G	LM PRN * UPLINK	STRIP	LMUSB03	
24	21	08L	A	LM * STATIC	CCATS	111L	
24	21	09U	G	LM PM * DN LOCK	STRIP	LMUSB04	
24	21	09L	G	LM * LIVE	CCATS	110L	
24	21	10U	G	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
24	21	10L	G	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
24	21	11U	G	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
24	21	11L	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
24	21	12U	G	LCRU VOICE * UP 124 KHZ	STRIP	LCRUUSB06	
24	21	12L	A	LM * LFI	CCATS	024L	
24	21	13U	G	IU UDL * 70KHZ	STRIP	IUUSB01	
24	21	13L		(BLANK)	MOC	043U	
24	21	14U	G	IU PRN * UPLINK	STRIP	IUUSB03	
24	21	14L		(BLANK)	MOC	043U	
24	21	15U	G	IU PM * DN LOCK	STRIP	IUUSB04	
24	21	15L		(BLANK)	MOC	043U	
24	21	16U		(BLANK)	MOC	043U	
24	21	16L		(BLANK)	MOC	043U	
24	21	17U	G	CCS TM * SYNC	STRIP	IUUSB07	
24	21	17L		(BLANK)	MOC	043U	
24	21	18U		(BLANK)	MOC	043U	
24	21	18L		(BLANK)	MOC	043U	
24	22	01U	R	USB S/S * CT0620V	MOC	CT0620	
24	22	01L	G	HGA * NAR	MOC	CT0161	
24	22	02U	R	USB Ø ERR * CT0640V	MOC	CT0640	40
24	22	02L	G	HGA * MED	MOC	CT0162	
24	22	03U	R	HGA SCAN	MOC	009H	
24	22	03L	G	HGA * WIDE	MOC	CSM16E	
24	22	04	R	RCVR SIG * GT0994V-1	MOC	GT0994	
24	22	05	R	ST Ø ERR * GT0992B-1	MOC	GT0992	40
24	22	06	R	STRBL * SCAN	MOC	002S	
24	22	07U	B	LBR * CT0120X	MOC	CSM03E	
24	22	07L	G	HGA * AUTO	MOC	CT0163	
24	22	08U	B	DSE RUN * CT0012X	MOC	CT0012	
24	22	08L	G	HGA * REACQ	MOC	CT0164	
24	22	09U	B	XPNDR CAL * NO.2-20	MOC	CSM13I	
24	22	09L	G	HGA * MAN	MOC	CSM17E	
24	22	10	R	S ANT TMP * GT0454T-1	MOC	GT0454	
24	22	11	R	XMTR PO * GT0993E-1	MOC	GT0993	
24	22	12	B	LEM31E * LBR	MOC	LEM31E	
24	22	13	R	MC&W * CS0150X R	MOC	CS0150	
24	22	14	R	UDL OFF * CT0262V R	STRIP	CT0262	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
24	22	15U	B	CSM LIMIT * DISABLE	MOC	CSMCATY	
24	22	15L	B	LM LIMIT * DISABLE	MOC	LEMCAT9	
24	22	16	G	GT0441A-1 * DUA ON	STRIP	SPCGT0441	
24	22	17	B	S-BAND * SEC CAL	MOC	LEM191	
24	22	18U	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
24	22	18L	R	GL4054X-0 * C&W FAIL	MOC	GL4054	
24	23					043B	21
24	23	01U		(BLANK)	MOC	043U	
24	23	01L		(BLANK)	MOC	043U	
24	23	02U		(BLANK)	MOC	043U	
24	23	02L		(BLANK)	MOC	043U	
24	23	03U		(BLANK)	MOC	043U	
24	23	03L		(BLANK)	MOC	043U	
24	23	04U		(BLANK)	MOC	043U	
24	23	04L		(BLANK)	MOC	043U	
24	23	05U		(BLANK)	MOC	043U	
24	23	05L		(BLANK)	MOC	043U	
24	23	06U		(BLANK)	MOC	043U	
24	23	06L		(BLANK)	MOC	043U	
24	23	07U		(BLANK)	MOC	043U	
24	23	07L		(BLANK)	MOC	043U	
24	23	08U		(BLANK)	MOC	043U	
24	23	08L		(BLANK)	MOC	043U	
24	23	09U		(BLANK)	MOC	043U	
24	23	09L		(BLANK)	MOC	043U	
24	23	10U		(BLANK)	MOC	043U	
24	23	10L		(BLANK)	MOC	043U	
24	23	11U		(BLANK)	MOC	043U	
24	23	11L		(BLANK)	MOC	043U	
24	23	12U		(BLANK)	MOC	043U	
24	23	12L		(BLANK)	MOC	043U	
24	23	13U		(BLANK)	MOC	043U	
24	23	13L		(BLANK)	MOC	043U	
24	23	14U		(BLANK)	MOC	043U	
24	23	14L		(BLANK)	MOC	043U	
24	23	15U		(BLANK)	MOC	043U	
24	23	15L		(BLANK)	MOC	043U	
24	23	16U		(BLANK)	MOC	043U	
24	23	16L		(BLANK)	MOC	043U	
24	23	17U		(BLANK)	MOC	043U	
24	23	17L		(BLANK)	MOC	043U	
24	23	18U		(BLANK)	MOC	043U	
24	23	18L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	02	01U	G	441F10131 * ASCENT	MOC	LFW10B13	
29	02	01L	G	642D00131 * CM DOCKED	MOC	LDBB13	
29	02	02U	G	391F00040 * DAP ERROR	MOC	LFW0B04	
29	02	02L	G	391F00151 * NEEDLRATE	MOC	LFW0B15	
29	02	03U	A	AGS MODE * OFF	MOC	LEM09E	
29	02	03L	A	812I33061 * NODAP IMU	MOC	LIM33B06	
29	02	04U	G	401F02111 * STEERENBL	MOC	LFW2B11	
29	02	04L		(BLANK)	MOC	043U	
29	02	05U	A	932C31150 * OUT DETNT	MOC	LCH31B15	
29	02	05L	A	GH1204X-1 * OUT DET	MOC	GH1204	
29	02	06U	B	932C31030 * +YMI	MOC	LCH31B03	
29	02	06L	B	932C31040 * -YMI	MOC	LCH31B04	
29	02	07U	G	642D00041 * DB 1/5	MOC	LDBB04	
29	02	07L	G	642D00051 * DB 5/5	MOC	LDBB05	
29	02	08U	A	412F05131 * NO U-VJET	MOC	LFW5B13	
29	02	08L		(BLANK)	MOC	043U	
29	02	09U	A	PGNCS MODE * OFF	MOC	LGC20E	
29	02	09L	A	GH1621X-1 * AGS SEL	MOC	GH1621	
29	02	10U	G	642D00140 * GTS ALLOW	MOC	LDBB14	
29	02	10L	G	642D00080 * OFFSET	MOC	LDBB08	
29	02	11U	G	642D00121 * RATE CMD	MOC	LDBB12	
29	02	11L	A	642D00151 * MIN IMP	MOC	LDBB15	
29	02	12U	B	932C31010 * +EL/ +PMI	MOC	LCH31B01	
29	02	12L	B	932C31020 * -EL/ -PMI	MOC	LCH31B02	
29	02	13U		(BLANK)	MOC	043U	
29	02	13L		(BLANK)	MOC	043U	
29	02	14U		(BLANK)	MOC	043U	
29	02	14L	A	642D00030 * ACCEL N/G	MOC	LDBB03	
29	02	15U	A	DAP OFF	MOC	LGC22E	
29	02	15L	A	MASS * DIFF	MOC	LEM10100C	
29	02	16U	A	941C32090 * GMBL OFF	MOC	LCH32B09	
29	02	16L		(BLANK)	MOC	043U	
29	02	17U	G	642D00091 * XOVINHIB	MOC	LDBB09	
29	02	17L	G	442F11091 * XOR INH	MOC	LFW11B09	
29	02	18U	B	932C31050 * +AZ/ +RMI	MOC	LCH31B05	
29	02	18L	B	932C31060 * -AZ/ -RMI	MOC	LCH31B06	
29	03	01U	G	GH1603X-0 * MIN DBND	MOC	GH1603	
29	03	01L		(BLANK)	MOC	043U	
29	03	02U		(BLANK)	MOC	043U	
29	03	02L		(BLANK)	MOC	043U	
29	03	03U		(BLANK)	MOC	043U	
29	03	03L		(BLANK)	MOC	043U	
29	03	04U		(BLANK)	MOC	043U	
29	03	04L	G	912C12091 * +P GBLTRM	MOC	LCH12B09	
29	03	05U		(BLANK)	MOC	043U	
29	03	05L		(BLANK)	MOC	043U	
29	03	06U	G	LM * LIVE	CCATS	110L	
29	03	06L	A	LM * STATIC	CCATS	111L	
29	03	07U		(BLANK)	MOC	043U	
29	03	07L		(BLANK)	MOC	043U	
29	03	08U		(BLANK)	MOC	043U	
29	03	08L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	03	09U		(BLANK)	MOC	043U	
29	03	09L	G	642D00140 * GTS ALLOW	MOC	LDBB14	
29	03	10U	G	912C12101 * -P GBLTRM	MOC	LCH12B10	
29	03	10L	G	912C12111 * +R GBLTRM	MOC	LCH12B11	
29	03	11U		(BLANK)	MOC	043U	
29	03	11L		(BLANK)	MOC	043U	
29	03	12U	A	LM * LFI	CCATS	024L	
29	03	12L	A	LGC * STATIC	CCATS	227L	
29	03	13U	A	GI3305X-1 * AGS WARMUP	MOC	GI3305	
29	03	13L	A	GI3306X-1 * AGS STBY	MOC	GI3306	
29	03	14U		(BLANK)	MOC	043U	
29	03	14L		(BLANK)	MOC	043U	
29	03	15U	G	421F06100 * R03 TRIM	MOC	LFW6B10	
29	03	15L		(BLANK)	MOC	043U	
29	03	16U	G	912C12121 * -R GBLTRM	MOC	LCH12B12	
29	03	16L		(BLANK)	MOC	043U	
29	03	17U	A	941C32090 * GMBL OFF	MOC	LCH32B09	
29	03	17L		(BLANK)	MOC	043U	
29	03	18U	A	AEA * STATIC	CCATS	231A	
29	03	18L		(BLANK)	MOC	043U	
29	04	01U	G	GI45B10-0 * AGS AUTO	MOC	DW1B10	
29	04	01L	G	GH1641X-1 * AGS AUTO	MOC	GH1641	
29	04	02U	G	GI45B09-0 * FOLLOW UP	MOC	DW1B09	
29	04	02L	G	GH1642X-1 * AGS HOLD	MOC	GH1642	
29	04	03U	A	932C31150 * OUT DETNT	MOC	LCH31B15	
29	04	03L	A	GH1204X-1 * OUT DET	MOC	GH1204	
29	04	04U		(BLANK)	MOC	043U	
29	04	04L		(BLANK)	MOC	043U	
29	04	05U		(BLANK)	MOC	043U	
29	04	05L		(BLANK)	MOC	043U	
29	04	06U	A	GH1621X-1 * AGS SEL	MOC	GH1621	
29	04	06L	A	931C30101 * AGS SEL	MOC	LCH30B10	
29	04	07U	G	GH1643X-1 * PNGS AUTO	MOC	GH1643	
29	04	07L	G	932C31140 * AUTO MODE	MOC	LCH31B14	
29	04	08U	G	GH1644X-1 * PNGS HOLD	MOC	GH1644	
29	04	08L	G	932C31130 * ATT HOLD	MOC	LCH31B13	
29	04	09U		(BLANK)	MOC	043U	
29	04	09L		(BLANK)	MOC	043U	
29	04	10U	A	AEA NOT * IN AUTO	MOC	LEM06E	
29	04	10L	A	ONLY AEA * IN AUTO	MOC	LEM07E	
29	04	11U	A	AGS MODE * OFF	MOC	LEM09E	
29	04	11L	A	NO AEA * FOLLOWUP	MOC	LEM08E	
29	04	12U	A	NO AEA * ABORT	MOC	LEM10E	
29	04	12L	A	AEA CMD * ABORT	MOC	LEM11E	
29	04	13U		(BLANK)	MOC	043U	
29	04	13L	G	GH1628X-1 * R PLS/DIR	MOC	GH1628	
29	04	14U		(BLANK)	MOC	043U	
29	04	14L	G	GH1629X-1 * P PLS/DIR	MOC	GH1629	
29	04	15U		(BLANK)	MOC	043U	
29	04	15L	G	GH1630X-1 * Y PLSD/DIR	MOC	GH1630	
29	04	16U	A	NO AEA * DPS ON	MOC	LEM14E	
29	04	16L	A	ONLY AEA * DPS ON	MOC	LEM15E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	04	17U	A	NO AEA * APS ON	MOC	LEM16E	
29	04	17L	A	ONLY AEA * APS ON	MOC	LEM17E	
29	04	18U	A	NO AEA * ABORT STG	MOC	LEM12E	
29	04	18L	A	AEA SEES * ABORT STG	MOC	LEM13E	
29	05	01U	A	CB2 FAIL * ABRT STGD	MOC	LEM34E	
29	05	01L	A	CB3 FAIL * ABRT STGD	MOC	LEM35E	
29	05	02U	A	ONLY AEA * DPS ON	MOC	LEM15E	
29	05	02L	A	GI-31 * TEST FAIL	MOC	AGS01E	
29	05	03U	A	GH1323X-1 * P TRM FL	MOC	GH1323	
29	05	03L	A	GH1330X-1 * R TRM FL	MOC	GH1330	
29	05	04U	A	GI3301T * ASA TEMP	MOC	GI3301	
29	05	04L	A	941C32100 * TRIM FAIL	MOC	LCH32B10	
29	05	05U	R	ENG GMBL * FAIL	MOC	LGC62E	
29	05	05L		(BLANK)	MOC	043U	
29	05	06U	R	GL4026X-0 * CES AC FL	MOC	GL4026	
29	05	06L	R	GL4027X-0 * CES DC FL	MOC	GL4027	
29	05	07U	A	GI-26 * Z INC ROT	MOC	AGS9712C	
29	05	07L	A	GH1463V * R RGA	MOC	GH1463	
29	05	08U	A	GI-25 * Y INC ROT	MOC	AGS9711C	
29	05	08L	A	GH1462V * P RGA	MOC	GH1462	
29	05	09U	A	GI-24 * X INC ROT	MOC	AGS9710C	
29	05	09L	A	GH1461V * Y RGA	MOC	GH1461	
29	05	10U	A	THRTL * ERR	MOC	LEM5601C	
29	05	10L	A	SP * THRUST ER	MOC	LEM5602C	
29	05	11U		(BLANK)	MOC	043U	
29	05	11L		(BLANK)	MOC	043U	
29	05	12U	R	CB37 FAIL * ENG ARM	MOC	LEM32E	
29	05	12L	R	CB69 FAIL * DECA PWR	MOC	LEM33E	
29	05	13U	A	GH1457V * R ATT ERR	MOC	GH1457	
29	05	13L	A	GH1249V * R ERR CMD	MOC	GH1249	
29	05	14U	A	GH1456V * P ATT ERR	MOC	GH1456	
29	05	14L	A	GH1248V * P ERR CMD	MOC	GH1248	
29	05	15U	A	GH1455V * Y ATT ERR	MOC	GH1455	
29	05	15L	A	GH1247V * Y ERR CMD	MOC	GH1247	
29	05	16U	A	GH1313V * PITCH GDA	MOC	GH1313	
29	05	16L	A	GH1314V * ROLL GDA	MOC	GH1314	
29	05	17U		(BLANK)	MOC	043U	
29	05	17L		(BLANK)	MOC	043U	
29	05	18U	R	GL4028X-0 * AGS FAIL	MOC	GL4028	
29	05	18L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
29	06	01	A	GP0001P * APS1 HE P	MOC	GP0001	
29	06	02		(BLANK)	MOC	043U	
29	06	03		(BLANK)	MOC	043U	
29	06	04		(BLANK)	MOC	043U	
29	06	05		(BLANK)	MOC	043U	
29	06	06		(BLANK)	MOC	043U	
29	06	07		(BLANK)	MOC	043U	
29	06	08		(BLANK)	MOC	043U	
29	06	09		(BLANK)	MOC	043U	
29	06	10	A	GP0041 * APS HE 1R	MOC	GP0041	
29	06	11	G	GP0318X-1 * APS1 CLSD	MOC	GP0318	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	06	12	A	GP0018P * APS REG P	MOC	GP0018	
29	06	13	A	GP1218T * APS OX T	MOC	GP1218	
29	06	14	G	GP1408X * APS OX LO	MOC	GP1408	
29	06	15	A	GP1503P * APS OX P	MOC	GP1503	
29	06	16	G	GP2997/98 * APS OUT ø	MOC	LEM04E	40
29	06	17		(BLANK)	MOC	043U	
29	06	18		(BLANK)	MOC	043U	
29	06	19	A	GP0002P * APS2 HE P	MOC	GP0002	
29	06	20	G	GP0320X-1 * APS2 CLSD	MOC	GP0320	
29	06	21	A	GP0025P * APS REG P	MOC	GP0025	
29	06	22	A	GP0718T * APS FU T	MOC	GP0718	
29	06	23	G	GP0908X-1 * APS FU LO	MOC	GP0908	
29	06	24	A	GP1501P * APS FU P	MOC	GP1501	
29	06	25		(BLANK)	MOC	043U	
29	06	26		(BLANK)	MOC	043U	
29	06	27	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
29	06	28	A	GP0042 * APS HE 2R	MOC	GP0042	
29	06	29		(BLANK)	MOC	043U	
29	06	30		(BLANK)	MOC	043U	
29	06	31		(BLANK)	MOC	043U	
29	06	32		(BLANK)	MOC	043U	
29	06	33		(BLANK)	MOC	043U	
29	06	34		(BLANK)	MOC	043U	
29	06	35	R	RCS CALC * A PROP QTY	MOC	LEM5429C	
29	06	36	R	GP0001/41 * APS1 HE P	MOC	LEMCLS01	
29	06	37		(BLANK)	MOC	043U	
29	06	38		(BLANK)	MOC	043U	
29	06	39	A	GQ4218T * DPS1 OX T	MOC	GQ4218	
29	06	40		(BLANK)	MOC	043U	
29	06	41		(BLANK)	MOC	043U	
29	06	42	G	PP LO LVL * OXID 1	MOC	LEM10908L	
29	06	43		(BLANK)	MOC	043U	
29	06	44	R	RCS A M/F * OX/FU P	MOC	LEMCLS04	
29	06	45	R	GP0002/42 * APS2 HE P	MOC	LEMCLS02	
29	06	46	A	GQ3435P * DPS HE P	MOC	GQ3435	
29	06	47	A	GQ3025P * DPS REG P	MOC	GQ3025	
29	06	48	A	GQ4219T * DPS2 OX T	MOC	GQ4219	
29	06	49	A	GQ4103/04 * DPS OX Q	MOC	LEMLS02	
29	06	50	A	GQ4111P * DPS OX P	MOC	GQ4111	
29	06	51	G	PP LO LVL * OXID 2	MOC	LEM10909L	
29	06	52		(BLANK)	MOC	043U	
29	06	53	R	RCS CALC * B PROP QTY	MOC	LEM5430C	
29	06	54	R	GP0018/25 * APS REG P	MOC	LEMCLS03	
29	06	55	A	GQ3015P * STRT TK P	MOC	GQ3015	
29	06	56	A	GQ3018P * DPS REG P	MOC	GQ3018	
29	06	57	A	GQ3718T * DPS1 FU T	MOC	GQ3718	
29	06	58	A	GQ3603/04 * DPS FU Q	MOC	LEMLS01	
29	06	59	A	GQ3611P * DPS FU P	MOC	GQ3611	
29	06	60	G	PP LO LVL * FUEL 1	MOC	LEM10906L	
29	06	61		(BLANK)	MOC	043U	
29	06	62	R	RCS B M/F * OX FU P	MOC	LEMCLS05	
29	06	63	R	GP1503P * APS OX P	MOC	GP1503	
29	06	64		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	06	65		(BLANK)	MOC	043U	
29	06	66	A	GQ3719T * DPS2 FU T	MOC	GQ3719	
29	06	67		(BLANK)	MOC	043U	
29	06	68	G	GQ4455X-1 * DPS PROP	MOC	GQ4455	
29	06	69	G	PP LO LVL * FUEL 2	MOC	LEM10907L	
29	06	70		(BLANK)	MOC	043U	
29	06	71	R	DPS INLET * OX/FU P	MOC	LEMCLS06	
29	06	72	R	GP1501P * APS FU P	MOC	GP1501	
29	07	01U	G	391F00071 * P20 RUN	MOC	LFW0B07	
29	07	01L	G	392F01051 * TRACKFLG	MOC	LFW1B05	
29	07	02U	G	942C33020 * PWRON/LGC	MOC	LCH33B02	
29	07	02L	G	912C12141 * TRACK EN	MOC	LCH12B14	
29	07	03U	G	942C33030 * RR RNG LO	MOC	LCH33B03	
29	07	03L	G	942C33040 * RRDATA GD	MOC	LCH33B04	
29	07	04U	G	442F11081 * ASTRLR OK	MOC	LFW11B08	
29	07	04L	G	942C33070 * ANT POS 2	MOC	LCH33B07	
29	07	05U	G	GN7557X-0 * LR VEL GD	MOC	GN7557	
29	07	05L	G	942C33060 * ANT POS 1	MOC	LCH33B06	
29	07	06U	G	GN7521X-0 * LR RNG GD	MOC	GN7521	
29	07	06L	G	442F11101 * LR REPOS	MOC	LFW11B10	
29	07	07U	A	401F02131 * RR MANACQ	MOC	LFW2B13	
29	07	07L	G	641R00101 * RR DESIG	MOC	LRMB10	
29	07	08U	G	401F02141 * RR SEARCH	MOC	LFW2B14	
29	07	08L	G	912C12021 * RR EC EN	MOC	LCH12B02	
29	07	09U	G	641R00151 * CONT DES	MOC	LRMB15	
29	07	09L	G	391F00091 * P25 OPER	MOC	LFW0B09	
29	07	10U	G	442F11111 * PSTHIGAT	MOC	LFW11B11	
29	07	10L		(BLANK)	MOC	043U	
29	07	11U	A	442F11131 * LR H FAIL	MOC	LFW11B13	
29	07	11L	A	LR VEL * BD	MOC	LGC19E	
29	07	12U	A	442F11141 * LR V FAIL	MOC	LFW11B14	
29	07	12L	A	LR RNG * BD	MOC	LGC18E	
29	07	13U	G	641R00111 * RR REPOS	MOC	LRMB11	
29	07	13L	G	641R00141 * RR REMODE	MOC	LRMB14	
29	07	14U	G	641R00121 * RR MODE 2	MOC	LRMB12	
29	07	14L	W	412F05041 * NORRMON	MOC	LFW5B04	
29	07	15U	A	GN7621X-1 * NO TRACK	MOC	GN7621	
29	07	15L	A	502K11081 * TRACKER	MOC	LDT11B08	
29	07	16U	G	421F06061 * REDES ENB	MOC	LFW6B06	
29	07	16L	A	942C33090 * LR RNG LO	MOC	LCH33B09	
29	07	17U	A	502K11031 * LR V FAIL	MOC	LDT11B03	
29	07	17L	A	442F11021 * LR V FLSH	MOC	LFW11B02	
29	07	18U	A	502K11051 * LR H FAIL	MOC	LDT11B05	
29	07	18L	A	442F11011 * LR H FLSH	MOC	LFW11B01	
29	09	01		(BLANK)	MOC	043U	
29	09	02	G	GH1230X-1 * APS ARM	MOC	GH1230	
29	09	03		(BLANK)	MOC	043U	
29	09	04		(BLANK)	MOC	043U	
29	09	05		(BLANK)	MOC	043U	
29	09	06		(BLANK)	MOC	043U	
29	09	07	A	GH1283X-1 * ABRT STGD	MOC	GH1283	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	09	08	G	GH1260X-1 * APS ON	MOC	GH1260	
29	09	09		(BLANK)	MOC	043U	
29	09	10	A	GY0201X-1 * ED A K1-6	MOC	GY0201	
29	09	11		(BLANK)	MOC	043U	
29	09	12		(BLANK)	MOC	043U	
29	09	13	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
29	09	14	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
29	09	15	G	911C11131 * ENG ON	MOC	LCH11B13	
29	09	16	G	GH1214X-1 * AUTO ON	MOC	GH1214	
29	09	17		(BLANK)	MOC	043U	
29	09	18		(BLANK)	MOC	043U	
29	09	19	A	GY0202X-1 * ED B K1-6	MOC	GY0202	
29	09	20		(BLANK)	MOC	043U	
29	09	21	G	GI31 * ULL ON	MOC	AGS10E	
29	09	22	G	GI15B06-1 * ENG ON	MOC	EOFB06	
29	09	23		(BLANK)	MOC	043U	
29	09	24		(BLANK)	MOC	043U	
29	09	25	G	GH1286X-1 * FIRE O/R	MOC	GH1286	
29	09	26		(BLANK)	MOC	043U	
29	09	27		(BLANK)	MOC	043U	
29	09	28	A	GY0050X-1 * ABORT CMD	MOC	GY0050	
29	09	29	G	GH1348X-1 * DPS ARM	MOC	GH1348	
29	09	30		(BLANK)	MOC	043U	
29	09	31		(BLANK)	MOC	043U	
29	09	32		(BLANK)	MOC	043U	
29	09	33		(BLANK)	MOC	043U	
29	09	34		(BLANK)	MOC	043U	
29	09	35	G	GH1301X-1 * DPS ON	MOC	GH1301	
29	09	36	A	LGC * STATIC	CCATS	227L	
29	09	37		(BLANK)	MOC	043U	
29	09	38		(BLANK)	MOC	043U	
29	09	39		(BLANK)	MOC	043U	
29	09	40		(BLANK)	MOC	043U	
29	09	41		(BLANK)	MOC	043U	
29	09	42		(BLANK)	MOC	043U	
29	09	43		(BLANK)	MOC	043U	
29	09	44		(BLANK)	MOC	043U	
29	09	45	A	AEA * STATIC	CCATS	231A	
29	09	46		(BLANK)	MOC	043U	
29	09	47	G	GR9631/41 * ASC A OPN	MOC	LEM28E	
29	09	48	G	GR9609U * A MAIN CL	MOC	GR9609	
29	09	49	G	GR9632/42 * ASC B OPN	MOC	LEM29E	
29	09	50	G	GR9610U * B MAIN CL	MOC	GR9610	
29	09	51	G	GR9613U * XFEED OPN	MOC	GR9613	
29	09	52		(BLANK)	MOC	043U	
29	09	53		(BLANK)	MOC	043U	
29	09	54	A	LM * LFI	CCATS	024L	
29	09	55	B	GQ3603Q * INHIBIT	MOC	LEM25I	
29	09	56	B	GQ3604Q * INHIBIT	MOC	LEM26I	
29	09	57	B	GQ4103Q * INHIBIT	MOC	LEM27I	
29	09	58	B	GQ4104Q * INHIBIT	MOC	LEM28I	
29	09	59		(BLANK)	MOC	043U	
29	09	60		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	09	61		(BLANK)	MOC	043U	
29	09	62		(BLANK)	MOC	043U	
29	09	63	A	LM * STATIC	CCATS	111L	
29	09	64	B	ALL LIMITS * GNC LM	MOC	LEMCATGNC	
29	09	65	B	ABRT STAGE	MOC	LEMCAT8	
29	09	66	B	COAST	MOC	LEMCAT7	
29	09	67	B	LAUNCH	MOC	LEMCAT6	
29	09	68	B	ALL CNTRL * CRITICAL	MOC	LEMCRTGNC	
29	09	69	B	PQGS * PROG	MOC	LEM34I	
29	09	70	B	LOW LEVEL * COUNTDOWN	MOC	LGC01I	
29	09	71	B	APS CALC	MOC	LEM12I	
29	09	72	B	LM * LIVE	CCATS	110L	
29	21	01	A	932C31150 * OUT DETNT	MOC	LCH31B15	
29	21	02	G	GR9667U-1 * A 1 DSABL	MOC	GR9667	
29	21	03	G	GH1240 * -X TRANS	MOC	LEM20E	
29	21	04	B	GH1430V * JD A1U ON	MOC	GH1430	
29	21	05	B	GR5043X-1 * X	MOC	GR5043	71
29	21	06	B	GR5031X-1 * X	MOC	GR5031	71
29	21	07	B	GH1418V * JD B4U ON	MOC	GH1418	
29	21	08	G	GH1896X-1 * UNBAL CPL	MOC	GH1896	
29	21	09	G	GR9662U-1 * B 4 DSABL	MOC	GR9662	
29	21	10	A	GH1204X-1 * OUT DET	MOC	GH1204	
29	21	11	G	941C32050 * B1 DSABL	MOC	LCH32B05	
29	21	12	G	GH1240 * +X TRANS	MOC	LEM21E	
29	21	13	B	GH1431V * JD B1D ON	MOC	GH1431	
29	21	14	B	GR5044X-1 *	MOC	GR5044	93
29	21	15	B	GR5032X-1 *	MOC	GR5032	93
29	21	16	B	GH1419V * JD A4D ON	MOC	GH1419	
29	21	17	A	GH1893X-0 * X TRS O/R	MOC	GH1893	
29	21	18	G	941C32010 * A4 DSABL	MOC	LCH32B01	
29	21	19	B	932C31030 * +YMI	MOC	LCH31B03	
29	21	20	G	941C32060 * A1 DSABL	MOC	LCH32B06	
29	21	21	G	GH1242 * -Z TRANS	MOC	LEM24E	
29	21	22	B	GH1432V * JD A1F ON	MOC	GH1432	
29	21	23	B	GR5045X-1 * ↓	MOC	GR5045	19
29	21	24	B	GR5033X-1 * ↓	MOC	GR5033	19
29	21	25	B	GH1420V * JD B4F ON	MOC	GH1420	
29	21	26	G	932C31120 * -Z TRANS	MOC	LCH31B12	
29	21	27	G	941C32030 * B4 DSABL	MOC	LCH32B03	
29	21	28	B	932C31040 * -YMI	MOC	LCH31B04	
29	21	29	G	GR9668U-1 * B 1 DSABL	MOC	GR9668	
29	21	30	G	GH1241 * +Y TRANS	MOC	LEM23E	
29	21	31	B	GH1433V * JD B1L ON	MOC	GH1433	
29	21	32	B	GR5046X-1 * →	MOC	GR5046	74
29	21	33	B	GR5034X-1 * ←	MOC	GR5034	75
29	21	34	B	GH1421V * JD A4R ON	MOC	GH1421	
29	21	35	G	GH1241 * -Y TRANS	MOC	LEM22E	
29	21	36	G	GR9661U-1 * A 4 DSABL	MOC	GR9661	
29	21	37	B	932C31010 * +EL/ +PMI	MOC	LCH31B01	
29	21	38	G	941C32070 * B2 DSABL	MOC	LCH32B07	
29	21	39	G	932C31090 * +Y TRANS	MOC	LCH31B09	
29	21	40	B	GH1429V * JD B2L ON	MOC	GH1429	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	21	41	B	GR5042X-1 * ←	MOC	GR5042	74
29	21	42	B	GR5038X-1 * ←	MOC	GR5038	75
29	21	43	B	GH1425V * JD A3R ON	MOC	GH1425	
29	21	44	G	932C31100 * -Y TRANS	MOC	LCH31B10	
29	21	45	G	941C32020 * A3 DSABL	MOC	LCH32B02	
29	21	46	B	932C31020 * -EL/ -PMI	MOC	LCH31B02	
29	21	47	G	GR9665U-1 * A 2 DSABL	MOC	GR9665	
29	21	48	G	GH1242 * +Z TRANS	MOC	LEM25E	
29	21	49	B	GH1428V * JD A2A ON	MOC	GH1428	
29	21	50	B	GR5041X-1 * ↑	MOC	GR5041	18
29	21	51	B	GR5037X-1 * ↑	MOC	GR5037	18
29	21	52	B	GH1424V * JD B3A ON	MOC	GH1424	
29	21	53	G	932C31110 * +Z TRANS	MOC	LCH31B11	
29	21	54	G	GR9664U-1 * B 3 DSABL	MOC	GR9664	
29	21	55	B	932C31050 * +AZ/ +RMI	MOC	LCH31B05	
29	21	56	G	941C32080 * A2 DSABL	MOC	LCH32B08	
29	21	57	A	GH1893X-0 * X TRS O/R	MOC	GH1893	
29	21	58	B	GH1427V * JD A2D ON	MOC	GH1427	
29	21	59	B	GR5040X-1 *	MOC	GR5040	93
29	21	60	B	GR5036X-1 *	MOC	GR5036	93
29	21	61	B	GH1423V * JD B3D ON	MOC	GH1423	
29	21	62	G	932C31070 * +X TRANS	MOC	LCH31B07	
29	21	63	G	941C32040 * B3 DSABL	MOC	LCH32B04	
29	21	64	B	932C31060 * -AZ/ -RMI	MOC	LCH31B06	
29	21	65	G	GR9666U-1 * B 2 DSABL	MOC	GR9666	
29	21	66	G	GH1896X-1 * UNBAL CPL	MOC	GH1896	
29	21	67	B	GH1426V * JD B2U ON	MOC	GH1426	
29	21	68	B	GR5039X-1 * X	MOC	GR5039	71
29	21	69	B	GR5035X-1 * X	MOC	GR5035	71
29	21	70	B	GH1422V * JD A3U ON	MOC	GH1422	
29	21	71	G	932C31080 * -X TRANS	MOC	LCH31B08	
29	21	72	G	GR9663U-1 * A 3 DSABL	MOC	GR9663	
29	22	01	R	GI45B13-0 * ABORT CMD	MOC	DW1B13	
29	22	02		(BLANK)	MOC	043U	
29	22	03		(BLANK)	MOC	043U	
29	22	04		(BLANK)	MOC	043U	
29	22	05	G	GI15B06-1 * ENG ON	MOC	EOFB06	
29	22	06		(BLANK)	MOC	043U	
29	22	07		(BLANK)	MOC	043U	
29	22	08		(BLANK)	MOC	043U	
29	22	09	G	931C30051 * MAN TRTL	MOC	LCH30B05	
29	22	10	R	GY0050X-1 * ABORT CMD	MOC	GY0050	
29	22	11	G	422F07061 * AVG G ON	MOC	LFW7B06	
29	22	12	G	GH1348X-1 * DPS ARM	MOC	GH1348	
29	22	13	G	642D00061 * ULL RQST	MOC	LD8B06	
29	22	14	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
29	22	15	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
29	22	16	G	GI45B11-0 * DPS ON	MOC	DW1B11	
29	22	17		(BLANK)	MOC	043U	
29	22	18	G	412F05121 * INH TRTL	MOC	LFW5B12	
29	22	19	R	931C30010 * ABORT CMD	MOC	LCH30B01	
29	22	20	G	422F07070 * DV MON ON	MOC	LFW7B07	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	22	21	G	931C30030 * ENG ARM	MOC	LCH30B03	
29	22	22	G	GI31 * ULL ON	MOC	AGS10E	
29	22	23	G	911C11131 * ENG ON	MOC	LCH11B13	
29	22	24	G	GH1214X-1 * AUTO ON	MOC	GH1214	
29	22	25	G	GH1301X-1 * DPS ON	MOC	GH1301	
29	22	26	G	GH1286X-1 * FIRE O/R	MOC	GH1286	
29	22	27	G	922C14041 * THRUST DR	MOC	LCH14B04	
29	22	28		(BLANK)	MOC	043U	
29	22	29		(BLANK)	MOC	043U	
29	22	30		(BLANK)	MOC	043U	
29	22	31		(BLANK)	MOC	043U	
29	22	32		(BLANK)	MOC	043U	
29	22	33		(BLANK)	MOC	043U	
29	22	34		(BLANK)	MOC	043U	
29	22	35		(BLANK)	MOC	043U	
29	22	36		(BLANK)	MOC	043U	
29	22	37		(BLANK)	MOC	043U	
29	22	38		(BLANK)	MOC	043U	
29	22	39		(BLANK)	MOC	043U	
29	22	40		(BLANK)	MOC	043U	
29	22	41		(BLANK)	MOC	043U	
29	22	42		(BLANK)	MOC	043U	
29	22	43		(BLANK)	MOC	043U	
29	22	44		(BLANK)	MOC	043U	
29	22	45		(BLANK)	MOC	043U	
29	22	46	R	931C30040 * ABRT STG	MOC	LCH30B04	
29	22	47	G	422F07070 * DV MON ON	MOC	LFW7B07	
29	22	48	G	931C30030 * ENG ARM	MOC	LCH30B03	
29	22	49	G	GI31 * ULL ON	MOC	AGS10E	
29	22	50	G	911C11131 * ENG ON	MOC	LCH11B13	
29	22	51	G	GH1214X-1 * AUTO ON	MOC	GH1214	
29	22	52	G	GH1260X-1 * APS ON	MOC	GH1260	
29	22	53	G	GH1286X-1 * FIRE O/R	MOC	GH1286	
29	22	54		(BLANK)	MOC	043U	
29	22	55	R	GH1283X-1 * ABRT STGD	MOC	GH1283	
29	22	56	G	422F07061 * AVG G ON	MOC	LFW7B06	
29	22	57	G	GH1230X-1 * APS ARM	MOC	GH1230	
29	22	58	G	642D00061 * ULL RQST	MOC	LDBB06	
29	22	59	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
29	22	60	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
29	22	61	G	GI45B12-0 * APS ON	MOC	DW1B12	
29	22	62		(BLANK)	MOC	043U	
29	22	63		(BLANK)	MOC	043U	
29	22	64	R	GI45B14-0 * ABRT STGD	MOC	DW1B14	
29	22	65	G	931C30021 * STAGED	MOC	LCH30B02	
29	22	66		(BLANK)	MOC	043U	
29	22	67		(BLANK)	MOC	043U	
29	22	68	G	GI15B06-1 * ENG ON	MOC	EOFB06	
29	22	69		(BLANK)	MOC	043U	
29	22	70		(BLANK)	MOC	043U	
29	22	71		(BLANK)	MOC	043U	
29	22	72		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	23	01	A	GR1085Q * A PRP QTY	MOC	GR1085	
29	23	02		(BLANK)	MOC	043U	
29	23	03		(BLANK)	MOC	043U	
29	23	04		(BLANK)	MOC	043U	
29	23	05		(BLANK)	MOC	043U	
29	23	06		(BLANK)	MOC	043U	
29	23	07	G	GR9667U-1 * A 1 DSABL	MOC	GR9667	
29	23	08	G	941C32060 * A1 DSABL	MOC	LCH32B06	
29	23	09		(BLANK)	MOC	043U	
29	23	10		(BLANK)	MOC	043U	
29	23	11	A	GR1201P * A REG P	MOC	GR1201	
29	23	12	A	GR2121T * A FU T	MOC	GR2121	
29	23	13	G	GR9609U * A MAIN CL	MOC	GR9609	
29	23	14	A	GR3201P * A OX P	MOC	GR3201	
29	23	15	A	GR2201P * A FU P	MOC	GR2201	
29	23	16	G	GR9665U-1 * A 2 DSABL	MOC	GR9665	
29	23	17	G	941C32080 * A2 DSABL	MOC	LCH32B08	
29	23	18		(BLANK)	MOC	043U	
29	23	19	A	GR1101P * A HE P	MOC	GR1101	
29	23	20		(BLANK)	MOC	043U	
29	23	21	B	GR5045X-1 * ↓	MOC	GR5045	19
29	23	22	B	GR5043X-1 * X	MOC	GR5043	71
29	23	23	B	GR5031X-1 * X	MOC	GR5031	71
29	23	24	B	GR5033X-1 * ↓	MOC	GR5033	19
29	23	25	G	GR9663U-1 * A 3 DSABL	MOC	GR9663	
29	23	26	G	941C32020 * A3 DSABL	MOC	LCH32B02	
29	23	27	A	GR6004T * QUAD 1 T	MOC	GR6004	
29	23	28		(BLANK)	MOC	043U	
29	23	29		(BLANK)	MOC	043U	
29	23	30	B	GR5046X-1 * ←	MOC	GR5046	74
29	23	31	B	GR5044X-1 *	MOC	GR5044	93
29	23	32	B	GR5032X-1 *	MOC	GR5032	93
29	23	33	B	GR5034X-1 * ←	MOC	GR5034	75
29	23	34	G	GR9661U-1 * A 4 DSABL	MOC	GR9661	
29	23	35	G	941C32010 * A4 DSABL	MOC	LCH32B01	
29	23	36	A	GR6003T * QUAD 2 T	MOC	GR6003	
29	23	37		(BLANK)	MOC	043U	
29	23	38		(BLANK)	MOC	043U	
29	23	39	B	GR5042X-1 * ←	MOC	GR5042	74
29	23	40	B	GR5040X-1 *	MOC	GR5040	93
29	23	41	B	GR5036X-1 *	MOC	GR5036	93
29	23	42	B	GR5038X-1 * ←	MOC	GR5038	75
29	23	43	G	GR9668U-1 * B 1 DSABL	MOC	GR9668	
29	23	44	G	941C32050 * B1 DSABL	MOC	LCH32B05	
29	23	45	A	GR6002T * QUAD 3 T	MOC	GR6002	
29	23	46	A	GR1095Q * B PRP QTY	MOC	GR1095	
29	23	47		(BLANK)	MOC	043U	
29	23	48	B	GR5041X-1 * ↑	MOC	GR5041	18
29	23	49	B	GR5039X-1 * X	MOC	GR5039	71
29	23	50	B	GR5035X-1 * X	MOC	GR5035	71
29	23	51	B	GR5037X-1 * ↑	MOC	GR5037	18
29	23	52	G	GR9666U-1 * B 2 DSABL	MOC	GR9666	
29	23	53	G	941C32070 * B2 DSABL	MOC	LCH32B07	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	23	54	A	GR6001T * QUAD 4 T	MOC	GR6001	
29	23	55		(BLANK)	MOC	043U	
29	23	56	A	GR1202P * B REG P	MOC	GR1202	
29	23	57	A	GR2122T * B FU T	MOC	GR2122	
29	23	58	G	GR9610U * B MAIN CL	MOC	GR9610	
29	23	59	A	GR3202P * B OX P	MOC	GR3202	
29	23	60	A	GR2202P * B FU P	MOC	GR2202	
29	23	61	G	GR9664U-1 * B 3 DSABL	MOC	GR9664	
29	23	62	G	941C32040 * B3 DSABL	MOC	LCH32B04	
29	23	63		(BLANK)	MOC	043U	
29	23	64	A	GR1102P * B HE P	MOC	GR1102	
29	23	65		(BLANK)	MOC	043U	
29	23	66		(BLANK)	MOC	043U	
29	23	67		(BLANK)	MOC	043U	
29	23	68		(BLANK)	MOC	043U	
29	23	69		(BLANK)	MOC	043U	
29	23	70	G	GR9662U-1 * B 4 DSABL	MOC	GR9662	
29	23	71	G	941C32030 * B4 DSABL	MOC	LCH32B03	
29	23	72		(BLANK)	MOC	043U	
29	24	01	W	EXCUTE	PBI	031E	
29	24	02	W	CLEAR	PBI	028C	
29	24	03	W	APS * CALC * START/ * STOP	R/CIM	256A	
29	24	04	W	PIPA * BIAS	R/CIM	140P	
29	24	05	W	ON TIME * START/ * STOP	R/CIM	0590	
29	24	06	W	PQGS PROG * START/STOP	R/CIM	145P	25
29	24	07	W	UP-35 * START * PLOT * 1180	R/CIM	038U	
29	24	08	W	UP-36 * START * PLOT * 1181	R/CIM	039U	
29	24	09	W	UP-38 * START * PLOT * 1183	R/CIM	097U	
29	24	10	W	GQ3603Q * INHIBIT	R/CIM	LEM25I	
29	24	11	W	GQ3604Q * INHIBIT	R/CIM	LEM26I	
29	24	12	W	UP-40 * START * PLOT * 1185	R/CIM	099U	
29	24	13	W	LO LVL CD * ARM/DEARM	R/CIM	091L	
29	24	14	W	UP-37 * START * PLOT * 1182	R/CIM	040U	
29	24	15	W	UP-39 * START * PLOT * 1184	R/CIM	098U	
29	24	16	W	GQ4103Q * INHIBIT	R/CIM	LEM27I	
29	24	17	W	GQ4104Q * INHIBIT	R/CIM	LEM28I	
29	24	18	W	UP-41 * START * PLOT * 1186	R/CIM	100U	
29	27	01U	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
29	27	01L	R	GG9001X-1 * LGC WARN	MOC	GG9001	
29	27	02U	R	GUID LOST	MOC	LGC61E	
29	27	02L	R	942C33140 * LGC WARN	MOC	LCH33B14	
29	27	03U	A	MASS N/G	MOC	LGC21E	
29	27	03L	A	942C33150 * OSC ALARM	MOC	LCH33B15	
29	27	04U	A	812I33011 * LAMP TEST	MOC	LIM33B01	
29	27	04L	A	941C32100 * TRIM FAIL	MOC	LCH32B10	
29	27	05U	A	911C11071 * OPR ERROR	MOC	LCH11B07	
29	27	05L	A	502K11091 * PROG CAUT	MOC	LDT11B09	
29	27	06U	W	LM * LIVE	CCATS	110L	
29	27	06L	W	LM * STATIC	CCATS	111L	
29	27	07U	R	GG9002X-1 * ISS WARN	MOC	GG9002	
29	27	07L	R	IMU/ACDU * ΔP ATT	MOC	LEM5603C	38

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	27	08U	R	911C11011 * ISS WARN	MOC	LCH11B01	
29	27	08L	R	LGC RSTRT	MOC	LGC43E	
29	27	09U	A	942C33130 * PIPA FAIL	MOC	LCH33B13	
29	27	09L		(BLANK)	MOC	043U	
29	27	10U	A	931C30130 * IMU FAIL	MOC	LCH30B13	
29	27	10L	A	PGNS MODE * FAIL	MOC	LEM05E	
29	27	11U	A	931C30120 * ICDU FAIL	MOC	LCH30B12	
29	27	11L	A	931C30070 * RCDU FAIL	MOC	LCH30B07	
29	27	12U	W	LGC * STATIC	CCATS	227L	
29	27	12L	W	LM * LFI	CCATS	024L	
29	27	13U	R	IMU/ACDU * ΔR ATT	MOC	LEM5604C	38
29	27	13L	R	IMU/ACDU * ΔY ATT	MOC	LEM5605C	38
29	27	14U	R	GG2142 * GMBL WARN	MOC	GG2142	
29	27	14L		(BLANK)	MOC	043U	
29	27	15U	A	GG2142 * GMBL CAUT	MOC	GG2142	
29	27	15L	A	ΔV X DIFF * PGNS/AGS	MOC	LGC9001L	
29	27	16U	A	502K11061 * GMBL LOCK	MOC	LDT11B06	
29	27	16L	A	ΔV Y DIFF * PGNS/AGS	MOC	LGC9002L	
29	27	17U	A	502K11041 * NO ATT	MOC	LDT11B04	
29	27	17L	A	ΔV Z DIFF * PGNS/AGS	MOC	LGC9003L	
29	27	18U	W	AGS * STATIC	CCATS	231A	
29	27	18L		(BLANK)	MOC	043U	
29	28	01U	A	942C33120 * DNLK FAST	MOC	LCH33B12	
29	28	01L	A	942C33110 * UPLK FAST	MOC	LCH33B11	
29	28	02U	A	GG2107V * IG SVO ER	MOC	GG2107	
29	28	02L	A	GG2137V * MG SVO ER	MOC	GG2137	
29	28	03U	A	GH1462V * P RGA	MOC	GH1462	
29	28	03L	A	GH1463V * R RGA	MOC	GH1463	
29	28	04U	A	GG2021V * Y PIPA	MOC	GG2021	
29	28	04L	A	GG2041V * Z PIPA	MOC	GG2041	
29	28	05U	A	GG2219V * P ATT ERR	MOC	GG2219	
29	28	05L	A	GG2279V * R ATT ERR	MOC	GG2279	
29	28	06U	A	ACDU/AGS * ΔP	MOC	LGC8602C	38
29	28	06L	A	ACDU/AGS * ΔR	MOC	LGC8603C	38
29	28	07U	A	422F07041 * KKK FAIL	MOC	LFW7B04	
29	28	07L		(BLANK)	MOC	043U	
29	28	08U	A	GG2167V * CG SVO ER	MOC	GG2167	
29	28	08L		(BLANK)	MOC	043U	
29	28	09U	A	GH1461V * Y RGA	MOC	GH1461	
29	28	09L		(BLANK)	MOC	043U	
29	28	10U	A	GG2001V * X PIPA	MOC	GG2001	
29	28	10L		(BLANK)	MOC	043U	
29	28	11U	A	GG2249V * Y ATT ERR	MOC	GG2249	
29	28	11L		(BLANK)	MOC	043U	
29	28	12U	A	ACDU/AGS * ΔY	MOC	LGC8601C	38
29	28	12L		(BLANK)	MOC	043U	
29	28	13U	A	GN7723T * RR ANT T	MOC	GN7723	
29	28	13L	A	GN7563T * LR ANT T	MOC	GN7563	
29	28	14U	A	GG2300T * PIPA T	MOC	GG2300	
29	28	14L	A	931C30151 * TEMP CAUT	MOC	LCH30B15	
29	28	15U		(BLANK)	MOC	043U	
29	28	15L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	28	16U	A	GG1201V * 28VAC 800	MOC	GG1201	
29	28	16L	A	GG1331V * 3.2KC REF	MOC	GG1331	
29	28	17U	A	GG1110V * 2.5 VDC	MOC	GG1110	
29	28	17L	A	GG1040V * 120 VDC	MOC	GG1040	
29	28	18U		(BLANK)	MOC	043U	
29	28	18L		(BLANK)	MOC	043U	
29	29	01	A	COS 4	STRIP	IU VSB05	
29	29	02	G	SIC * LIVE	CCATS	401S	
29	29	03	G	SII * LIVE	CCATS	354S	
29	29	04	G	SIVB * LIVE	CCATS	228S	
29	29	05	G	SIU * LIVE	CCATS	061I	
29	29	06	A	SIC/SII * EBW 1 ARM	MOC	SIC7608C	
29	29	07	A	SII SEC P * EBW 1 ARM	MOC	SII7603C	
29	29	08	A	SII/SIVB * EBW 1 ARM	MOC	SII7601C	
29	29	09	A	SIVB RS * EBW 1 ARM	MOC	M0030-411	
29	29	10	G	H2O VLV * CLOSED	MOC	G0005-601	
29	29	11	A	SIC * STATIC	CCATS	402S	
29	29	12	A	SII * STATIC	CCATS	355S	
29	29	13	A	SIVB * STATIC	CCATS	229S	
29	29	14	A	SIU * STATIC	CCATS	062I	
29	29	15	A	SIC/SII * EBW 2 ARM	MOC	SIC7606C	
29	29	16	A	SII SEC P * EBW 2 ARM	MOC	SII7604C	
29	29	17	A	SII/SIVB * EBW 2 ARM	MOC	SII7602C	
29	29	18	A	SIVB RS * EBW 2 ARM	MOC	M0031-411	
29	29	19	G	H2O VLV * OPEN	MOC	G0006-601	
29	29	20	G	SS04 S-IC * TM CAL	MOC	SS04	
29	29	21	G	SS03 S-II * TM CAL	MOC	SS03	
29	29	22	G	SS10 SIVB * TM CAL	MOC	SS10	
29	29	23	G	SS05 IU * TM CAL	MOC	SS05	
29	29	24	G	IN FLT * PWR ON	CASTS-	042I	
29	29	25	A	SIVB REF * VOLTS	MOC	SIULS01	
29	29	26	A	IU REF * VOLTS	MOC	M0001-602	
29	29	27	R	RS 1 ARM	MOC	N0057-411	
29	29	28	A	M/H2O CTL * TEMP	MOC	C0015-601	
29	29	29	A	ECS GN2 * SPH PRESS	MOC	D0025-601	
29	29	30	A	GBS GN2 * SPH PRESS	MOC	D0010-603	
29	29	31	G	CCS TM * SYNC	STRIP	IUUSB07	
29	29	32	G	EDS 6D91 * ON	MOC	K0069-602	
29	29	33	A	SIVB PCM * XMTR PWR	MOC	N0018-411	
29	29	34	A	IU PCM * XMTR PWR	MOC	J0029-602	
29	29	35	G	C-BAND * INHIBIT 1	MOC	K0137-603	
29	29	36	R	RS 2 ARM	MOC	N0062-411	
29	29	37	A	M/H2O SUB * IN TEMP	MOC	C0011-601	
29	29	38	A	M/H2O OUT * PRESS	MOC	D0017-601	
29	29	39	A	AIR BRNG * IN PRESS	MOC	D0011-603	
29	29	40	A	S-II MAIN * VOLTS	MOC	M0020-207	
29	29	41	A	FWD NO 1 * VOLTS	MOC	M0016-411	
29	29	42	R	RSO * CUTOFF	CASTS-	157R	
29	29	43	R	RSO * DESTRUCT	CASTS-	158R	
29	29	44	G	C-BAND * INHIBIT 2	MOC	K0138-603	
29	29	45	G	CCS POWER * INHIBIT	MOC	K0153-603	
29	29	46	A	INERTIAL * GIM TEMP	MOC	C0034-603	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	29	47	A	M/H2O FLO * IU	MOC	F0009-602	
29	29	48	A	INT AMB * PRESS	MOC	D0012-603	
29	29	49	A	SII INSTR * VOLTS	MOC	M0023-207	
29	29	50	A	FWD NO 2 * VOLTS	MOC	M0018-411	
29	29	51	A	PU INV * VOLTS	MOC	M0023-411	
29	29	52	A	IU NO 1 * VOLTS	MOC	M0012-601	
29	29	53	A	IU NO 1 * AMPS	MOC	M0016-601	
29	29	54	G	CCS ANT * HIGH GAIN	MOC	K0131-603	
29	29	55	A	LVDA * TEMP	MOC	SIULS02	
29	29	56	A	M/H2O FLO * SIVB	MOC	F0010-601	
29	29	57	A	SIC MAIN * VOLTS	MOC	M0008-115	
29	29	58	A	S-II REC * VOLTS	MOC	M0111-207	
29	29	59	A	AFT NO 1 * VOLTS	MOC	M0014-404	
29	29	60	A	VOLT ENG * CONT BUS	MOC	M0006-401	
29	29	61	A	IU NO 3 * VOLTS	MOC	M0014-601	
29	29	62	A	IU NO 3 * AMPS	MOC	M0018-601	
29	29	63	G	CCS ANT * LOW GAIN	MOC	K0132-603	
29	29	64	A	LVDC MEM * TEMP	MOC	C0054-603	
29	29	65	A	FCC * TEMP	MOC	C0069-602	
29	29	66	A	S-IC INST * VOLTS	MOC	M0009-115	
29	29	67	A	S-II * IGN VOLTS	MOC	M0125-207	
29	29	68	A	AFT NO 2 * VOLTS	MOC	M0015-404	
29	29	69	A	IGN BUS * VOLTS	MOC	M0007-401	
29	29	70	A	IU NO 4 * VOLTS	MOC	M0019-601	
29	29	71	A	IU NO 4 * AMPS	MOC	M0020-601	
29	29	72	G	CCS ANT * OMNI ON	MOC	SIU52E	
29	30	01U	A	912C12060 * IMUEC DIS	MOC	LCH12B06	
29	30	01L	G	931C30060 * DID RQST	MOC	LCH30B06	
29	30	02U	G	402F03091 * R04 RUN	MOC	LFW3B09	
29	30	02L	A	C1202/RM * RR ECERR	MOC	LGC41E	
29	30	03U	G	432F09111 * ASCPREIGN	MOC	LFW9B11	
29	30	03L	W	432F09141 * VERT RISE	MOC	LFW9B14	
29	30	04U	G	391F00011 * P66STEER	MOC	LFW0B01	
29	30	04L	G	392F01111 * NO TERAIN	MOC	LFW1B11	
29	30	05U	A	931C30091 * NOIMUOPER	MOC	LCH30B09	
29	30	05L	A	GG1513X-0 * IMU OFF	MOC	GG1513	
29	30	06U	A	931C30140 * T/ON RQST	MOC	LCH30B14	
29	30	06L	A	912C12041 * COAR ALGN	MOC	LCH12B04	
29	30	07U	G	912C12081 * DID CMD	MOC	LCH12B08	
29	30	07L		(BLANK)	MOC	043U	
29	30	08U		(BLANK)	MOC	043U	
29	30	08L		(BLANK)	MOC	043U	
29	30	09U	G	412F05071 * ENGONFLG	MOC	LFW5B07	
29	30	09L	G	431F08081 * SURFFLAG	MOC	LFW8B08	
29	30	10U		(BLANK)	MOC	043U	
29	30	10L		(BLANK)	MOC	043U	
29	30	11U	A	402F03130 * NO REFSM	MOC	LFW3B13	
29	30	11L	A	GG1523X-0 * NOLGC OP	MOC	GG1523	
29	30	12U	G	912C12151 * T/ON CMPL	MOC	LCH12B15	
29	30	12L	A	931C30110 * IMU CAGE	MOC	LCH30B11	
29	30	13U		(BLANK)	MOC	043U	
29	30	13L	A	402F03141 * CALC GLOK	MOC	LFW3B14	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
29	30	14U		(BLANK)	MOC	043U	
29	30	14L		(BLANK)	MOC	043U	
29	30	15U		(BLANK)	MOC	043U	
29	30	15L		(BLANK)	MOC	043U	
29	30	16U		(BLANK)	MOC	043U	
29	30	16L		(BLANK)	MOC	043U	
29	30	17U	G	921C13111 * LGC STBY	MOC	LCH13B11	
29	30	17L		(BLANK)	MOC	043U	
29	30	18U	G	401F02041 * PREF ATT	MOC	LFW2B04	
29	30	18L	G	401F02150 * NO DRIFT	MOC	LFW2B15	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
30	02	01U	B	GC4361X-1 * BAT 1 HI	MOC	GC4361	
30	02	01L	B	GC4363X-1 * BAT 2 HI	MOC	GC4363	
30	02	02U	A	GC9961U-1 * BAT 1 MAL	MOC	GC9961	
30	02	02L	A	GC9962U-1 * BAT 2/L MAL	MOC	GC9962	
30	02	03U	A	GC4362X-1 * BAT 1 LOW	MOC	GC4362	
30	02	03L	A	GC4368X-1 * BAT 4 LOW	MOC	GC4368	
30	02	04U		(BLANK)	MOC	043U	
30	02	04L		(BLANK)	MOC	043U	
30	02	05U	W	GH1230X-1 * APS ARM	MOC	GH1230	
30	02	05L	W	GH1260X-1 * APS ON	MOC	GH1260	
30	02	06U	W	GH1348X-1 * DPS ARM	MOC	GH1348	
30	02	06L	W	GH1301X-1 * DPS ON	MOC	GH1301	
30	02	07U	B	GC4364X-1 * BAT L LMP	MOC	GC4364	
30	02	07L	B	GC4366X-1 * BAT L CDR	MOC	GC4366	
30	02	08U		(BLANK)	MOC	043U	
30	02	08L		(BLANK)	MOC	043U	
30	02	09U		(BLANK)	MOC	043U	
30	02	09L		(BLANK)	MOC	043U	
30	02	10U	B	GC4371X-1 * BAT 5 LMPN	MOC	GC4371	
30	02	10L	B	GC4369X-1 * BAT 5 CDRB	MOC	GC4369	
30	02	11U	B	GC4370X-1 * BAT 6 CDRN	MOC	GC4370	
30	02	11L	B	GC4372X-1 * BAT 6 LMPB	MOC	GC4372	
30	02	12	A	GL4069X-0 * MSTR ALARM	MOC	GL4069	
30	02	13U	B	GC4365X-1 * BAT 3 HI	MOC	GC4365	
30	02	13L	B	GC4367X-1 * BAT 4 HI	MOC	GC4367	
30	02	14U	A	GC9963U-1 * BAT 3/L MAL	MOC	GC9963	
30	02	14L	A	GC9964U-1 * BAT 4 MAL	MOC	GC9964	
30	02	15	A	GL4047X-0 * BAT MAL	MOC	GL4047	
30	02	16	A	GC9965U-1 * BAT 5 MAL	MOC	GC9965	
30	02	17	A	GC9966U-1 * BAT 6 MAL	MOC	GC9966	
30	02	18	G	LM * LIVE	CCATS	110L	
30	03	01U	R	GF2921P * SEC GLY P	MOC	GF2921	
30	03	01L	R	GF9997U * G PUMP P	MOC	GF9997	
30	03	02U	R	GF3571P * CABIN P	MOC	GF3571	
30	03	02L	R	GF1301P * SUIT P	MOC	GF1301	
30	03	03U	R	GC1201C * BAT 1 C	MOC	GC1201	
30	03	03L	R	GC1202C * BAT 2 C	MOC	GC1202	
30	03	04U	R	GC0301V * CDR BUS V	MOC	GC0301	
30	03	04L	R	GC0302V * LMP BUS V	MOC	GC0302	
30	03	05U	R	GT8168P * PGA 1 P	MOC	GT8168	
30	03	05L	R	GT8182P * 1 02 P	MOC	GT8182	
30	03	06U	R	GT8268P * PGA 2 P	MOC	GT8268	
30	03	06L	R	GT8282P * 2 02 P	MOC	GT8282	
30	03	07U	R	GF9986U * GLY LOW	MOC	GF9986	
30	03	07L	R	GF2581T * GLY OUT T	MOC	GF2581	
30	03	08U	R	GF1083/4 * SF 1/2 MAL	MOC	LEM01CE	
30	03	08L	R	GF3582-4 * OXYGEN P	MOC	LEMCLS07	
30	03	09U	R	GC1207C * BAT L C	MOC	GC1207	
30	03	09L	R	GC1203C * BAT 3 C	MOC	GC1203	
30	03	10U	R	GC0205/6 * BAT 5/6 V	MOC	LEMCLS09	
30	03	10L	R	GL4047X-0 * BAT MAL	MOC	GL4047	
30	03	11U	R	GT8170T * 1 02 T	MOC	GT8170	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
30	03	11L	R	GT8110P * 1 H2O P	MOC	GT8110	
30	03	12U	R	GT8270T * 2 O2 T	MOC	GT8270	
30	03	12L	R	GT8210P * 2 H2O P	MOC	GT8210	
30	03	13U	R	GY0201/2 * ED A/B K16	MOC	LEM36E	
30	03	13L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
30	03	14U	R	LM4609-11 * WATER Q	MOC	LEMCLS08	
30	03	14L	R	GF4101P * H2O ΔP	MOC	GF4101	
30	03	15U	R	GC1204C * BAT 4 C	MOC	GC1204	
30	03	15L	R	GC1205C * BAT 5 C	MOC	GC1205	
30	03	16U	R	GC9965/6-1 * BAT 5/6 MAL	MOC	LEM02CE	
30	03	16L	R	GC1206C * BAT 6 C	MOC	GC1206	
30	03	17U	R	GT8140C * 1 BAT CUR	MOC	GT8140	
30	03	17L	R	GT8141V * 1 BAT V	MOC	GT8141	
30	03	18U	R	GT8240C * 2 BAT CUR	MOC	GT8240	
30	03	18L	R	GT8241V * 2 BAT V	MOC	GT8241	
30	04	01	A	GY0201X-1 * ED A K1-6	MOC	GY0201	
30	04	02	A	GY0202X-1 * ED B K1-6	MOC	GY0202	
30	04	03	B	GM5000U-0 * GR N DPLY	MOC	GM5000	
30	04	04	A	GL4069X-0 * MSTR ALARM	MOC	GL4069	
30	04	05	A	GL0400X-1 * OSC FL 1	MOC	GL0400	
30	04	06	A	GL0401V * CAL 85%	MOC	GL0401	
30	04	07	G	GY0231X-0 * ED A K7-15	MOC	GY0231	
30	04	08	G	GY0232X-0 * ED B K7-15	MOC	GY0232	
30	04	09U		(BLANK)	MOC	043U	
30	04	09L		(BLANK)	MOC	043U	
30	04	10	A	GL4054X-0 * C&W FAIL	MOC	GL4054	
30	04	11U	A	GL0422V * OSC 2 V	MOC	GL0422	
30	04	11L	A	GL0423V * OSC 3 V	MOC	GL0423	
30	04	12	A	GL0402V * CAL 15%	MOC	GL0402	
30	04	13	A	GY0050X-1 * ABORT CMD	MOC	GY0050	
30	04	14	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
30	04	15	A	GH1260X-1 * APS ON	MOC	GH1260	
30	04	16U		(BLANK)	MOC	043U	
30	04	16L		(BLANK)	MOC	043U	
30	04	17U	A	LM * LFI	CCATS	024L	
30	04	17L	W	LEM31E * LBR	MOC	LEM31E	
30	04	18U	G	LM * LIVE	CCATS	110L	
30	04	18L	A	LM * STATIC	CCATS	111L	
30	05	01	B	LM PM * DN LOCK	STRIP	LMUSB04	
30	05	02U	B	ALL LM * LIM DSABL	MOC	609L	
30	05	02L	B	ALL TELMU * LIM DSABL	MOC	LEMCATECM	
30	05	03U	B	BAT 5 CLC * ENABLE	MOC	LEM10I	
30	05	03L	B	DES BAT * CAL N/LMP	MOC	LEM32I	
30	05	04U	B	BAT 5 * LMP BUS	MOC	LEM39I	
30	05	04L	B	BAT 6 * LMP BUS	MOC	LEM40I	
30	05	05U	B	BAT 1 * LMP BUS	MOC	LEM36I	
30	05	05L	B	BAT 2 * LMP BUS	MOC	LEM37I	
30	05	06U	B	BAT 1 CLC * ENABLE	MOC	LEM06I	
30	05	06L	B	BAT 2 CLC * ENABLE	MOC	LEM07I	
30	05	07	B	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
30	05	08U	B	PRELAUNCH * LIM DSABL	MOC	LEMCAT3	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
30	05	08L	B	TELMUCRIT * LIM DSABL	MOC	LEMCRTECM	
30	05	09U	B	DES BAT * CAL N/CDR	MOC	LEM33I	
30	05	09L	B	DES BAT * CAL ZERO	MOC	LEM35I	
30	05	10U	B	BAT L * CDR BUS	MOC	LEM41I	
30	05	10L	B	BAT 5 * CDR BUS	MOC	LEM44I	
30	05	11U	B	BAT L * LMP BUS	MOC	LEM38I	
30	05	11L	B	BAT 3 * CDR BUS	MOC	LEM42I	
30	05	12U	B	BAT L CLC * ENABLE	MOC	LEM46I	
30	05	12L	B	BAT 3 CLC * ENABLE	MOC	LEM08I	
30	05	13	B	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
30	05	14U		(BLANK)	MOC	043U	
30	05	14L	B	P/BBATCLC * DISABLE	MOC	LEM30I	
30	05	15U	B	BAT 6 CLC * ENABLE	MOC	LEM11I	
30	05	15L	B	ASC BAT * LIM DSABL	MOC	LEMCAT4	
30	05	16U	B	BAT 6 * CDR BUS	MOC	LEM45I	
30	05	16L		(BLANK)	MOC	043U	
30	05	17U	B	BAT 4 * CDR BUS	MOC	LEM43I	
30	05	17L		(BLANK)	MOC	043U	
30	05	18U	B	BAT 4 CLC * ENABLE	MOC	LEM09I	
30	05	18L	B	STAGED * LIM DSABL	MOC	LEMCAT2	
30	06	01U	W	GC0071V * AC BUS V	MOC	GC0071	
30	06	01L	A	GC0155F * AC BUS F	MOC	GC0155	
30	06	02U		(BLANK)	MOC	043U	
30	06	02L		(BLANK)	MOC	043U	
30	06	03U	A	GC0301V * CDR BUS V	MOC	GC0301	
30	06	03L	A	GC0302V * LMP BUS V	MOC	GC0302	
30	06	04U	A	LM11412 * CDR BUS C	MOC	LEM11412C	
30	06	04L	A	LM11411 * LMP BUS C	MOC	LEM11411C	
30	06	05U	A	GC1201C * BAT 1 C	MOC	GC1201	
30	06	05L	A	GC1202C * BAT 2 C	MOC	GC1202	
30	06	06U	A	GC0201V * BAT 1 V	MOC	GC0201	
30	06	06L	A	GC0202V * BAT 2 V	MOC	GC0202	
30	06	07U		(BLANK)	MOC	043U	
30	06	07L		(BLANK)	MOC	043U	
30	06	08U	W	GC0205V * BAT 5 V	MOC	GC0205	
30	06	08L	W	GC0206V * BAT 6 V	MOC	GC0206	
30	06	09U	A	GC1205C * BAT 5 C	MOC	GC1205	
30	06	09L	A	GC1206C * BAT 6 C	MOC	GC1206	
30	06	10U		(BLANK)	MOC	043U	
30	06	10L		(BLANK)	MOC	043U	
30	06	11U	A	GC1207C * BAT L C	MOC	GC1207	
30	06	11L	A	GC1203C * BAT 3 C	MOC	GC1203	
30	06	12U	W	GC0207V * BAT L V	MOC	GC0207	
30	06	12L	W	GC0203V * BAT 3 V	MOC	GC0203	
30	06	13U		(BLANK)	MOC	043U	
30	06	13L		(BLANK)	MOC	043U	
30	06	14U		(BLANK)	MOC	043U	
30	06	14L		(BLANK)	MOC	043U	
30	06	15U		(BLANK)	MOC	043U	
30	06	15L	A	LM4503 * ASC CUR	MOC	LEM4503C	
30	06	16U		(BLANK)	MOC	043U	
30	06	16L	A	LM4501 * TOT CUR	MOC	LEM4501C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
30	06	17U	A	GC1204C * BAT 4 C	MOC	GC1204	
30	06	17L	A	LM4502 * DES CUR	MOC	LEM4502C	
30	06	18U	W	GC0204V * BAT 4 V	MOC	GC0204	
30	06	18L		(BLANK)	MOC	043U	
30	20					043B	32
30	20					043B	1G
30	20	01U	W	USB AGC * LEVEL	PBI	041U	
30	20	01L	W	OFF	PBI	0020	
30	20	02A		SITE PM RCVR VOLTAGE-LM	DAC	AGCVOLTLM	
30	20	02B		(UNASSIGNED)	DAC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	02	01U	A	FC1 TSKIN * SC2084T	MOC	SC2084	
31	02	01L	A	FC 1 TCE * SC2081T	MOC	SC2081	
31	02	02U	A	FC1 CUR * SC2113C	MOC	SC2113	
31	02	02L	A	FC 1% CUR * CSM4007C	MOC	CSM4007C	
31	02	03U	A	FC2 TSKIN * SC2085T	MOC	SC2085	
31	02	03L	A	FC 2 TCE * SC2082T	MOC	SC2082	
31	02	04U	A	FC2 CUR * SC2114C	MOC	SC2114	
31	02	04L	A	FC 2% CUR * CSM4008C	MOC	CSM4008C	
31	02	05U	A	FC3 TSKIN * SC2086T	MOC	SC2086	
31	02	05L	A	FC 3 TCE * SC2083T	MOC	SC2083	
31	02	06U	A	FC3 CUR * SC2115C	MOC	SC2115	
31	02	06L	A	FC 3% CUR * CSM4009C	MOC	CSM4009C	
31	02	07U	A	FC1 RAD I * SC2090T	MOC	SC2090	
31	02	07L	A	FC1 RAD O * SC2087T	MOC	SC2087	
31	02	08U	A	FC1 O2 FL * SC2142R	MOC	SC2142	
31	02	08L	A	FC1 H2 FL * SC2139R	MOC	SC2139	
31	02	09U	A	FC2 RAD I * SC2091T	MOC	SC2091	
31	02	09L	A	FC2 RAD O * SC2088T	MOC	SC2088	
31	02	10U	A	FC2 O2 FL * SC2143R	MOC	SC2143	
31	02	10L	A	FC2 H2 FL * SC2140R	MOC	SC2140	
31	02	11U	A	FC3 RAD I * SC2092T	MOC	SC2092	
31	02	11L	A	FC3 RAD O * SC2089T	MOC	SC2089	
31	02	12U	A	FC3 O2 FL * SC2144R	MOC	SC2144	
31	02	12L	A	FC3 H2 FL * SC2141R	MOC	SC2141	
31	02	13U	A	FC1 O2 P * SC2066P	MOC	SC2066	
31	02	13L	A	FC1 H2 P * SC2069P	MOC	SC2069	
31	02	14U	A	FC1 ΔVOLT * CSM3201C	MOC	CSM3201C	38
31	02	14L	A	FC1 * O2/H2 ΔP	MOC	CSM2501C	38
31	02	15U	A	FC2 O2 P * SC2067P	MOC	SC2067	
31	02	15L	A	FC2 H2 P * SC2070P	MOC	SC2070	
31	02	16U	A	FC2 ΔVOLT * CSM3202C	MOC	CSM3202C	38
31	02	16L	A	FC2 * O2/H2 ΔP	MOC	CSM2502C	38
31	02	17U	A	FC3 O2 P * SC2068P	MOC	SC2068	
31	02	17L	A	FC3 H2 P * SC2071P	MOC	SC2071	
31	02	18U	A	FC3 ΔVOLT * CSM3203C	MOC	CSM3203C	38
31	02	18L	A	FC3 * O2/H2 ΔP	MOC	CSM2503C	38
31	03	01U	W	FC1 PH HI * SC2160X	MOC	SC2160	
31	03	01L	W	FC2 PH HI * SC2161X	MOC	SC2161	
31	03	02U	A	MAIN A V * CC0206V	MOC	CC0206	
31	03	02L	A	MAIN B V * CC0207V	MOC	CC0207	
31	03	03U	A	AC 1 ØA V * CC0200V	MOC	CC0200	40
31	03	03L	A	AC 2 ØA V * CC0203V	MOC	CC0203	40
31	03	04U	A	BAT BUS A * CC0210V	MOC	CC0210	
31	03	04L	A	BAT BUS B * CC0211V	MOC	CC0211	
31	03	05U	A	BAT A CUR * CC0222C	MOC	CC0222	
31	03	05L	A	BAT B CUR * CC0223C	MOC	CC0223	
31	03	06U	A	BAT CHGR * CC0215C	MOC	CC0215	
31	03	06L		(BLANK)	MOC	043U	
31	03	07U	W	FC3 PH HI * SC2162X	MOC	SC2162	
31	03	07L	A	LM HTR C * CC2962C	MOC	CC2962	
31	03	08U		(BLANK)	MOC	043U	
31	03	08L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	03	09U	A	INVER 1 T * CC0175T	MOC	CC0175	
31	03	09L	A	INVER 2 T * CC0176T	MOC	CC0176	
31	03	10U	A	BAT RLY V * CC0232V	MOC	CC0232	
31	03	10L	A	SM BAT V * SC0230V	MOC	SC0230	
31	03	11U	A	BAT C CUR * CC0224C	MOC	CC0224	
31	03	11L	A	TOTAL SC * CURRENT	MOC	CSM4003C	
31	03	12U	B	CSM EVENTS * PLAYBACK	MOC	600PA	
31	03	12L	B	CSM * LFI	CCATS	358C	
31	03	13U	G	MC&W LTCH * CS0150X R	MOC	CS0150	
31	03	13L	G	MC&W * CS0150X R	MOC	CS0150	
31	03	14U		(BLANK)	MOC	043U	
31	03	14L		(BLANK)	MOC	043U	
31	03	15U	A	INVER 3 T * CC0177T	MOC	CC0177	
31	03	15L		(BLANK)	MOC	043U	
31	03	16U	A	TOT BAT * CUR	MOC	CSM4002C	
31	03	16L	A	BAT PCT * CUR	MOC	CSM4011C	
31	03	17U	A	TOT F/C * CUR	MOC	CSM4001C	
31	03	17L	A	F/C PCT * CUR	MOC	CSM4010C	
31	03	18U	B	CSM * LIVE	CCATS	299C	
31	03	18L	B	CSM * STATIC	CCATS	300C	
31	04	01U	R	FC1 CUR * SC2113C	MOC	SC2113	
31	04	01L	R	FC1 O2 FL * SC2142R	MOC	SC2142	
31	04	02U	R	FC3 CUR * SC2115C	MOC	SC2115	
31	04	02L	R	FC3 O2 FL * SC2144R	MOC	SC2144	
31	04	03U	R	MAIN A V * CC0206V	MOC	CC0206	
31	04	03L	R	MAIN B V * CC0207V	MOC	CC0207	
31	04	04U	R	AC 1 ØA V * CC0200V	MOC	CC0200	40
31	04	04L	R	AC 2 ØA V * CC0203V	MOC	CC0203	40
31	04	05U	R	P PMP OUT * CF0016P	MOC	CF0016	
31	04	05L	R	P RAD IN * SF0260T	MOC	SF0260	
31	04	06U	R	O2 1 PRES * SC0037P	MOC	SC0037	
31	04	06L	R	O2 1 HTR * SC0070T	MOC	SC0070	
31	04	07U	R	FC1 H2 FL * SC2139R	MOC	SC2139	
31	04	07L	R	FC2 CUR * SC2114C	MOC	SC2114	
31	04	08U	R	FC3 H2 FL * SC2141R	MOC	SC2141	
31	04	08L	R	BAT A CUR * CC0222C	MOC	CC0222	
31	04	09U	R	BAT BUS A * CC0210V	MOC	CC0210	
31	04	09L	R	BAT BUS B * CC0211V	MOC	CC0211	
31	04	10U	R	MC&W * CS0150X R	MOC	CS0150	
31	04	10L	R	COMP ΔP * CF0015P	MOC	CF0015	38
31	04	11U	R	CABIN P * CF0001P	MOC	CF0001	
31	04	11L	R	H2 1 PRES * SC0039P	MOC	SC0039	
31	04	12U	R	O2 2 PRES * SC0038P	MOC	SC0038	
31	04	12L	R	O2 2 HTR * SC0071T	MOC	SC0071	
31	04	13U	R	FC2 O2 FL * SC2143R	MOC	SC2143	
31	04	13L	R	FC2 H2 FL * SC2140R	MOC	SC2140	
31	04	14U	R	BAT B CUR * CC0223C	MOC	CC0223	
31	04	14L	R	BAT C CUR * CC0224C	MOC	CC0224	
31	04	15U	R	BAT RLY V * CC0232V	MOC	CC0232	
31	04	15L	R	LM HTR C * CC2962C	MOC	CC2962	
31	04	16U	R	P ACC QTY * CF0019Q	MOC	CF0019	
31	04	16L	R	S ACC QTY * CF0072Q	MOC	CF0072	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	04	17U	R	H2 2 PRES * SC0040P	MOC	SC0040	
31	04	17L	R	H2 3 PRES * SC0052P	MOC	SC0052	
31	04	18U	R	O2 3 PRES * SC0053P	MOC	SC0053	
31	04	18L	R	O2 3 HTR * SC0072T	MOC	SC0072	
31	05	01U	A	H2 1 PRES * SC0039P	MOC	SC0039	
31	05	01L		(BLANK)	MOC	043U	
31	05	02U	A	H2 2 PRES * SC0040P	MOC	SC0040	
31	05	02L		(BLANK)	MOC	043U	
31	05	03U	A	H2 3 PRES * SC0052P	MOC	SC0052	
31	05	03L		(BLANK)	MOC	043U	
31	05	04U	A	O2 1 PRESS * SC0037P	MOC	SC0037	
31	05	04L		(BLANK)	MOC	043U	
31	05	05U	A	O2 2 PRESS * SC0038P	MOC	SC0038	
31	05	05L		(BLANK)	MOC	043U	
31	05	06U	A	O2 3 PRES * SC0053P	MOC	SC0053	
31	05	06L		(BLANK)	MOC	043U	
31	05	07U	A	H2 1 TEMP * SC0043T	MOC	SC0043	
31	05	07L	A	H2 1 QTY * SC0030Q	MOC	SC0030	
31	05	08U	A	H2 2 TEMP * SC0044T	MOC	SC0044	
31	05	08L	A	H2 2 QTY * SC0031Q	MOC	SC0031	
31	05	09U	A	H2 3 TEMP * SC0054T	MOC	SC0054	
31	05	09L	A	H2 3 QTY * SC0050Q	MOC	SC0050	
31	05	10U	A	O2 1 TEMP * SC0041T	MOC	SC0041	
31	05	10L	A	O2 1 QTY * SC0032Q	MOC	SC0032	
31	05	11U	A	O2 2 TEMP * SC0042T	MOC	SC0042	
31	05	11L	A	O2 2 QTY * SC0033Q	MOC	SC0033	
31	05	12U	A	O2 3 TEMP * SC0055T	MOC	SC0055	
31	05	12L	A	O2 3 QTY * SC0051Q	MOC	SC0051	
31	05	13U		(BLANK)	MOC	043U	
31	05	13L		(BLANK)	MOC	043U	
31	05	14U		(BLANK)	MOC	043U	
31	05	14L		(BLANK)	MOC	043U	
31	05	15U		(BLANK)	MOC	043U	
31	05	15L		(BLANK)	MOC	043U	
31	05	16U	A	O2 1 HTR * SC0070T	MOC	SC0070	
31	05	16L	A	O2 TNK 1 * CAP ΔP	MOC	CSM3502C	38
31	05	17U	A	O2 2 HTR * SC0071T	MOC	SC0071	
31	05	17L	A	O2 TK 2/3 * CAP ΔP	MOC	CSM3503C	38
31	05	18U	A	O2 3 HTR * SC0072T	MOC	SC0072	
31	05	18L	A	O2 2/3 P * SC0069P	MOC	SC0069	
31	06					043B	20
31	06	01U		(BLANK)	MOC	043U	
31	06	01L		(BLANK)	MOC	043U	
31	06	02U		(BLANK)	MOC	043U	
31	06	02L		(BLANK)	MOC	043U	
31	06	03U		(BLANK)	MOC	043U	
31	06	03L		(BLANK)	MOC	043U	
31	06	04U		(BLANK)	MOC	043U	
31	06	04L		(BLANK)	MOC	043U	
31	06	05U		(BLANK)	MOC	043U	
31	06	05L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	06	06U		(BLANK)	MOC	043U	
31	06	06L		(BLANK)	MOC	043U	
31	06	07U		(BLANK)	MOC	043U	
31	06	07L		(BLANK)	MOC	043U	
31	06	08U		(BLANK)	MOC	043U	
31	06	08L		(BLANK)	MOC	043U	
31	06	09U		(BLANK)	MOC	043U	
31	06	09L		(BLANK)	MOC	043U	
31	06	10U		(BLANK)	MOC	043U	
31	06	10L		(BLANK)	MOC	043U	
31	06	11U		(BLANK)	MOC	043U	
31	06	11L		(BLANK)	MOC	043U	
31	06	12U		(BLANK)	MOC	043U	
31	06	12L		(BLANK)	MOC	043U	
31	06	13U		(BLANK)	MOC	043U	
31	06	13L		(BLANK)	MOC	043U	
31	06	14U		(BLANK)	MOC	043U	
31	06	14L		(BLANK)	MOC	043U	
31	06	15U		(BLANK)	MOC	043U	
31	06	15L		(BLANK)	MOC	043U	
31	06	16U		(BLANK)	MOC	043U	
31	06	16L		(BLANK)	MOC	043U	
31	06	17U		(BLANK)	MOC	043U	
31	06	17L		(BLANK)	MOC	043U	
31	06	18U		(BLANK)	MOC	043U	
31	06	18L		(BLANK)	MOC	043U	
31	07	01U	B	LBR * CT0120X	MOC	CSM03E	
31	07	01L		(BLANK)	MOC	043U	
31	07	02U	B	PCM INT * CT0340X R	MOC	CT0340	
31	07	02L		(BLANK)	MOC	043U	
31	07	03U		(BLANK)	MOC	043U	
31	07	03L		(BLANK)	MOC	043U	
31	07	04U	B	USB S/S * CT0620V	MOC	CT0620	
31	07	04L	B	USB Ø ERR * CT0640V	MOC	CT0640	40
31	07	05U		(BLANK)	MOC	043U	
31	07	05L		(BLANK)	MOC	043U	
31	07	06U		(BLANK)	MOC	043U	
31	07	06L		(BLANK)	MOC	043U	
31	07	07U		(BLANK)	MOC	043U	
31	07	07L		(BLANK)	MOC	043U	
31	07	08U		(BLANK)	MOC	043U	
31	07	08L		(BLANK)	MOC	043U	
31	07	09U		(BLANK)	MOC	043U	
31	07	09L		(BLANK)	MOC	043U	
31	07	10U		(BLANK)	MOC	043U	
31	07	10L		(BLANK)	MOC	043U	
31	07	11U		(BLANK)	MOC	043U	
31	07	11L		(BLANK)	MOC	043U	
31	07	12U		(BLANK)	MOC	043U	
31	07	12L		(BLANK)	MOC	043U	
31	07	13U		(BLANK)	MOC	043U	
31	07	13L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	07	14U		(BLANK)	MOC	043U	
31	07	14L		(BLANK)	MOC	043U	
31	07	15U		(BLANK)	MOC	043U	
31	07	15L	B	X-ACCEL * CK0026A	MOC	CK0026	
31	07	16U		(BLANK)	MOC	043U	
31	07	16L	B	Y-ACCEL * CK0027A	MOC	CK0027	
31	07	17U		(BLANK)	MOC	043U	
31	07	17L	B	Z-ACCEL * CK0028A	MOC	CK0028	
31	07	18U	B	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
31	07	18L	B	DSE RUN * CT0012X	MOC	CT0012	
31	09	01U	A	LOG BUS A * CD0200V	MOC	CD0200	
31	09	01L	A	LOG BUS B * CD0201V	MOC	CD0201	
31	09	02U	A	PYR BUS A * CD0005V	MOC	CD0005	
31	09	02L	A	PYR BUS B * CD0006V	MOC	CD0006	
31	09	03U	W	SLV L/O * (TB1)	MOC	GMW1D25	
31	09	03L		(BLANK)	MOC	043U	
31	09	04U	A	(BLANK)	MOC	043U	
31	09	04L		(BLANK)	MOC	043U	
31	09	05U	G	ABORT	MOC	K0072-602	
31	09	05L	G	EDS VOT 1 * CD0132X R	MOC	CD0132	
31	09	06U	G	EDS VOT 2 * CD0133X R	MOC	CD0133	
31	09	06L	G	EDS VOT 3 * CD0134X R	MOC	CD0134	
31	09	07U	G	EDS ABT A * CD0135X	MOC	CD0135	
31	09	07L	G	EDS ABT B * CD0136X	MOC	CD0136	
31	09	08U	W	SS ENG * C/O ENABL	MOC	K0073-602	
31	09	08L	W	TIMER ENG * C/O ENABL	MOC	K0074-602	
31	09	09U	G	ABORT REQ * BS0080X	MOC	BS0080	
31	09	09L	G	ABORT REQ * BS0081X	MOC	BS0081	
31	09	10U	G	CREW ABRT * CD0130X	MOC	CD0130	
31	09	10L	G	CREW ABRT * CD0131X	MOC	CD0131	
31	09	11U	W	RCS XFER * 931C3002R	MOC	CH30B02	
31	09	11L	A	(BLANK)	MOC	043U	
31	09	12U	W	CM RCS A * CD0173X	MOC	CD0173	
31	09	12L	W	CM RCS B * CD0174X	MOC	CD0174	
31	09	13U	W	CSM SEP A * CD0023X	MOC	CD0023	
31	09	13L	W	CSM SEP B * CD0024X	MOC	CD0024	
31	09	14U	W	RNG SEP A * CD1154X	MOC	CD1154	
31	09	14L	W	RNG SEP B * CD1155X	MOC	CD1155	
31	09	15U	W	SCS RCS A * CD0170X	MOC	CD0170	
31	09	15L	W	SCS RCS B * CD0171X	MOC	CD0171	
31	09	16U	G	S4 SP/ABT * 931C3004R	MOC	CH30B04	
31	09	16L		(BLANK)	MOC	043U	
31	09	17U	W	SLA SEP A * CD0123X	MOC	CD0123	
31	09	17L	W	SLA SEP B * CD0124X	MOC	CD0124	
31	09	18U	A	PROBE T * CS0220T	MOC	CS0220	
31	09	18L	A	ENG PRESS * SP0661P	MOC	SP0661	
31	12					043B	34
31	12	01U		(BLANK)	MOC	043U	
31	12	01L		(BLANK)	MOC	043U	
31	12	02U		(BLANK)	MOC	043U	
31	12	02L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	12	03U		(BLANK)	MOC	043U	
31	12	03L		(BLANK)	MOC	043U	
31	12	04U		(BLANK)	MOC	043U	
31	12	04L		(BLANK)	MOC	043U	
31	12	05U		(BLANK)	MOC	043U	
31	12	05L		(BLANK)	MOC	043U	
31	12	06U		(BLANK)	MOC	043U	
31	12	06L		(BLANK)	MOC	043U	
31	12	07U		(BLANK)	MOC	043U	
31	12	07L		(BLANK)	MOC	043U	
31	12	08U		(BLANK)	MOC	043U	
31	12	08L		(BLANK)	MOC	043U	
31	12	09U		(BLANK)	MOC	043U	
31	12	09L		(BLANK)	MOC	043U	
31	12	10U		(BLANK)	MOC	043U	
31	12	10L		(BLANK)	MOC	043U	
31	12	11U		(BLANK)	MOC	043U	
31	12	11L		(BLANK)	MOC	043U	
31	12	12U		(BLANK)	MOC	043U	
31	12	12L		(BLANK)	MOC	043U	
31	12	13U		(BLANK)	MOC	043U	
31	12	13L		(BLANK)	MOC	043U	
31	12	14U		(BLANK)	MOC	043U	
31	12	14L		(BLANK)	MOC	043U	
31	12	15U		(BLANK)	MOC	043U	
31	12	15L		(BLANK)	MOC	043U	
31	12	16U		(BLANK)	MOC	043U	
31	12	16L		(BLANK)	MOC	043U	
31	12	17U		(BLANK)	MOC	043U	
31	12	17L		(BLANK)	MOC	043U	
31	12	18U		(BLANK)	MOC	043U	
31	12	18L		(BLANK)	MOC	043U	
31	23	01U	W	APEX A * CD0230X	MOC	CD0230	
31	23	01L	W	APEX B * CD0231X	MOC	CD0231	
31	23	02U	W	DRO DEP A * CE0001X	MOC	CE0001	
31	23	02L	W	DRO DEP B * CE0002X	MOC	CE0002	
31	23	03U	W	MN DEP A * CE0003X	MOC	CE0003	
31	23	03L	W	MN DEP B * CE0004X	MOC	CE0004	
31	23	04U	W	MN DIS A * CE0321X	MOC	CE0321	
31	23	04L	W	MN DIS B * CE0322X	MOC	CE0322	
31	23	05U	R	(BLANK)	MOC	043U	
31	23	05L	R	(BLANK)	MOC	043U	
31	23	06U	R	(BLANK)	MOC	043U	
31	23	06L	R	(BLANK)	MOC	043U	
31	23	07U	W	SS08 PYR * OFF INH	MOC	SS08	
31	23	07L	W	SS09 ENG * EDS OFF	MOC	SS09	
31	23	08U	W	EDS 6D91 * OFF	MOC	K0069-602	
31	23	08L	W	EDS 6D92 * OFF	MOC	K0070-602	
31	23	09U	W	EDS 6D93 * OFF	MOC	K0071-602	
31	23	09L	W	NO SIC * SEP	MOC	K0088-602	
31	23	10U	W	SECOND * S-II SEP	MOC	GMW1D15	
31	23	10L	W	TWR * JETT	MOC	C0057-900	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	23	11U	W	NO S-II * SEP	MOC	K0068-602	
31	23	11L		(BLANK)	MOC	043U	
31	23	12U	W	EDS/MAN A * C/O OF LV	MOC	K0075-602	
31	23	12L	W	EDS/MAN B * C/O OF LV	MOC	K0076-602	
31	23	13U	G	(BLANK)	MOC	043U	
31	23	13L	G	(BLANK)	MOC	043U	
31	23	14U	W	EDS * READY	CASTS-	033E	
31	23	14L	G	(BLANK)	MOC	043U	
31	23	15U	B	HI 4.25 * CT0125V	MOC	CT0125	
31	23	15L	G	(BLANK)	MOC	043U	
31	23	16U	B	HI 0.75 * CT0126V	MOC	CT0126	
31	23	16L		(BLANK)	MOC	043U	
31	23	17U	B	SCE +20 * CT0015V	MOC	CT0015	
31	23	17L	B	SCE +10 * CT0018V	MOC	CT0018	
31	23	18U	B	SCE -20 * CT0016V	MOC	CT0016	
31	23	18L	B	SCE +5 * CT0017V	MOC	CT0017	
31	24	01U		(BLANK)	MOC	043U	
31	24	01L		(BLANK)	MOC	043U	
31	24	02U		(BLANK)	MOC	043U	
31	24	02L		(BLANK)	MOC	043U	
31	24	03U		(BLANK)	MOC	043U	
31	24	03L		(BLANK)	MOC	043U	
31	24	04U		(BLANK)	MOC	043U	
31	24	04L		(BLANK)	MOC	043U	
31	24	05U		(BLANK)	MOC	043U	
31	24	05L		(BLANK)	MOC	043U	
31	24	06U		(BLANK)	MOC	043U	
31	24	06L		(BLANK)	MOC	043U	
31	24	07U		(BLANK)	MOC	043U	
31	24	07L		(BLANK)	MOC	043U	
31	24	08U		(BLANK)	MOC	043U	
31	24	08L		(BLANK)	MOC	043U	
31	24	09U		(BLANK)	MOC	043U	
31	24	09L		(BLANK)	MOC	043U	
31	24	10U		(BLANK)	MOC	043U	
31	24	10L		(BLANK)	MOC	043U	
31	24	11U		(BLANK)	MOC	043U	
31	24	11L		(BLANK)	MOC	043U	
31	24	12U		(BLANK)	MOC	043U	
31	24	12L		(BLANK)	MOC	043U	
31	24	13U		(BLANK)	MOC	043U	
31	24	13L		(BLANK)	MOC	043U	
31	24	14U		(BLANK)	MOC	043U	
31	24	14L		(BLANK)	MOC	043U	
31	24	15U		(BLANK)	MOC	043U	
31	24	15L		(BLANK)	MOC	043U	
31	24	16U		(BLANK)	MOC	043U	
31	24	16L		(BLANK)	MOC	043U	
31	24	17U		(BLANK)	MOC	043U	
31	24	17L		(BLANK)	MOC	043U	
31	24	18U		(BLANK)	MOC	043U	
31	24	18L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	25	01	B	CSM PRN * UPLINK	STRIP	CSMUSB03	
31	25	02	B	CSM PM * DN LOCK	STRIP	CSMUSB04	
31	25	03	B	LAUNCH * LIMITS	MOC	CSMCATJ	
31	25	04U		(BLANK)	MOC	043U	
31	25	04L		(BLANK)	MOC	043U	
31	25	05	B	ENTRY * LIMITS	MOC	CSMCATZ	
31	25	06	B	CSM * LIVE	CCATS	299C	
31	25	07	B	CSM G/A * 30KHZ	STRIP	CSMUSB02	
31	25	08	B	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
31	25	09	B	EECOM * ALL LIM	MOC	CSMCATECM	
31	25	10U		(BLANK)	MOC	043U	
31	25	10L		(BLANK)	MOC	043U	
31	25	11U		(BLANK)	MOC	043U	
31	25	11L		(BLANK)	MOC	043U	
31	25	12	B	CSM * STATIC	CCATS	300C	
31	25	13	B	CSM UDL * 70KHZ	STRIP	CSMUSB01	
31	25	14	B	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
31	25	15	B	FC 1 * LIMITS	MOC	CSMCATV	
31	25	16	B	FC 2 * LIMITS	MOC	CSMCATW	
31	25	17	B	FC 3 * LIMITS	MOC	CSMCATX	
31	25	18	B	CSM * LFI	CCATS	358C	
31	27	01	W	EECOM * EPS * DATA * POINT	R/CIM	071E	
31	27	02	W	UP-13 * PRIM- * QTY * PRES-	R/CIM	062U	
31	27	02		* FLO * 0656	R/CIM	062U	
31	27	03	W	UP-21 * BAT * VOLT * CHGR *	R/CIM	063U	
31	27	03		CUR * 0664	R/CIM	063U	
31	27	04		(BLANK)	R/CIM	043U	
31	27	05		(BLANK)	R/CIM	043U	
31	27	06	W	EECOM * ECS * DATA * POINT	R/CIM	070E	
31	27	07	W	UP-14 * CAB- * SURG * O2- *	R/CIM	065U	
31	27	07		PRESS * 0657	R/CIM	065U	
31	27	08	W	UP-22 * MNBUS V * ACBUS V *	R/CIM	066U	
31	27	08		0665	R/CIM	066U	
31	27	09		(BLANK)	R/CIM	043U	
31	27	10		(BLANK)	R/CIM	043U	
31	27	11	W	PROP * DATA * POINT	R/CIM	093P	
31	27	12	W	UP-15 * PRIM * RAD * ACC *	R/CIM	078U	
31	27	12		QTY * 0658	R/CIM	078U	
31	27	13	W	UP-23 * FC * ΔVOLTS * 0666	R/CIM	088U	38
31	27	14	W	WEIGHT * CALC	R/CIM	010W	
31	27	15	W	OPTICS * CAL * CURVE	R/CIM	048O	
31	27	16	W	G&N * DATA * POINT	R/CIM	127G	
31	27	17	W	UP-16 * CRYO O2 * TK3-MAN P	R/CIM	054U	
31	27	17		* 0659	R/CIM	054U	
31	27	18	W	UP-24 * WPU * QUAD * 0667	R/CIM	090U	
31	27	19	W	PIPA * BIAS	R/CIM	140P	
31	27	20	W	SPS AUX * QUANTITY	R/CIM	CSM15I	
31	27	21	W	CMC * DATA * POINT	R/CIM	329C	
31	27	22	W	UP-17 * FC TCE * TOT * AMPS	R/CIM	055U	
31	27	22		* 0660	R/CIM	055U	
31	27	23	W	UP-25 * WPU * TOTL * 0668	R/CIM	056U	
31	27	24	W	P/T * CORR * ΔV * COMP	R/CIM	CSM02I	38

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
31	27	25	W	CO2 * CAL	R/CIM	CSM09I	
31	27	26	W	UP-10 * CRYO O2 * TNK 1-2	R/CIM	057U	
31	27	26		* 0653	R/CIM	057U	
31	27	27	W	UP-18 * FC1 SKIN * RAD TEMP	R/CIM	058U	
31	27	27		* 661	R/CIM	058U	
31	27	28	W	UP-26 * PTC * 0669	R/CIM	059U	
31	27	29		(BLANK)	R/CIM	043U	
31	27	30	W	GLY FLO * CAL	R/CIM	CSM11I	
31	27	31	W	UP-11 * CRYO * H2 * 0654	R/CIM	060U	
31	27	32	W	UP-19 * FC2 SKIN * RAD TEMP	R/CIM	061U	
31	27	32		* 0662	R/CIM	061U	
31	27	33	W	UP-27 * PIP * BIAS * 0670	R/CIM	091U	
31	27	34	W	BROAD- * CAST	R/CIM	030B	
31	27	35	W	PLAYBACK	R/CIM	128P	
31	27	36	W	UP-12 * PRI * TEMP * STEAM	R/CIM	092U	
31	27	36		* P * 0655	R/CIM	092U	
31	27	37	W	UP-20 * FC3 SKIN * RAD TEMP	R/CIM	093U	
31	27	37		* 0663	R/CIM	093U	
31	27	38	W	UP-42 * P/T- * WPU * QD A-B	R/CIM	094U	
31	27	38		* 0671	R/CIM	094U	
31	27	39	W	EXECUTE	PBI	031E	
31	27	40	W	CLEAR	PBI	028C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
32	02	01U	A	HE TK A P * SR5001P	MOC	SR5001	
32	02	01L	A	HE TK A T * SR5013T	MOC	SR5013	
32	02	02U	A	HE TK B P * SR5002P	MOC	SR5002	
32	02	02L	A	HE TK B T * SR5014T	MOC	SR5014	
32	02	03U	A	HE TK C P * SR5003P	MOC	SR5003	
32	02	03L	A	HE TK C T * SR5015T	MOC	SR5015	
32	02	04U	A	HE TK D P * SR5004P	MOC	SR5004	
32	02	04L	A	HE TK D T * SR5016T	MOC	SR5016	
32	02	05U	A	HE TK P * SP0001P	MOC	SP0001	
32	02	05L	A	HE TK T * SP0017T	MOC	SP0017	
32	02	06U	A	HE TK 1 P * CR0001P	MOC	CR0001	
32	02	06L	A	HE TK 1 T * CR0003T	MOC	CR0003	
32	02	07U	A	PKG A T * SR5065T	MOC	SR5065	
32	02	07L	A	QD A MANF * CSMLS01	MOC	CSMLS01	
32	02	08U	A	PKG B T * SR5066T	MOC	SR5066	
32	02	08L	A	QD B MANF * CSMLS02	MOC	CSMLS02	
32	02	09U	A	PKG C T * SR5067T	MOC	SR5067	
32	02	09L	A	QD C MANF * CSMLS03	MOC	CSMLS03	
32	02	10U	A	PKG D T * SR5068T	MOC	SR5068	
32	02	10L	A	QD D MANF * CSMLS04	MOC	CSMLS04	
32	02	11U	A	OX TK P * SP0003P	MOC	SP0003	
32	02	11L	A	OX INT P * SP0931P	MOC	SP0931	
32	02	12U	A	HE MN 1 P * CR0035P	MOC	CR0035	
32	02	12L	A	HE TK 2 P * CR0002P	MOC	CR0002	
32	02	13U		(BLANK)	MOC	043U	
32	02	13L	A	SPS LINES * CSMLS05	MOC	CSMLS05	
32	02	14U	A	GN2 A P * SP0600P	MOC	SP0600	
32	02	14L	A	GN2 B P * SP0601P	MOC	SP0601	
32	02	15U	A	F/O 1 * SP0022H	MOC	SP0022	
32	02	15L	A	F/O 3 * SP0024H	MOC	SP0024	
32	02	16U	A	F/O 2 * SP0023H	MOC	SP0023	
32	02	16L	A	F/O 4 * SP0025H	MOC	SP0025	
32	02	17U	A	FU TK P * SP0006P	MOC	SP0006	
32	02	17L	A	FU INT P * SP0930P	MOC	SP0930	
32	02	18U	A	HE TK 2 T * CR0004T	MOC	CR0004	
32	02	18L	A	HE MN 2 P * CR0036P	MOC	CR0036	
32	03	01U	R	HE TK P * SP0001P	MOC	SP0001	
32	03	01L	R	OX TK P * SP0003P	MOC	SP0003	
32	03	02U		(BLANK)	MOC	043U	
32	03	02L	R	OX INT P * SP0931P	MOC	SP0931	
32	03	03U	R	HE TK A P * SR5001P	MOC	SR5001	
32	03	03L	R	HE P/T A * SR5025Q	MOC	SR5025	
32	03	04U	R	HE TK B P * SR5002P	MOC	SR5002	
32	03	04L	R	HE P/T P * SR5026Q	MOC	SR5026	
32	03	05U	R	CMC WARN * CG5040X R	MOC	CG5040	
32	03	05L	R	MG IX COS * CG2143V	MOC	CG2143	
32	03	06U	R	CMC WARN * 942C3314R	MOC	CH33B14	
32	03	06L	R	ISS WARN * 911C1101S	MOC	CH11B01	
32	03	07U	R	FU TK P * SP0006P	MOC	SP0006	
32	03	07L	R	GN2 A P * SP0600P	MOC	SP0600	
32	03	08U	R	FU INT P * SP0930P	MOC	SP0930	
32	03	08L	R	GN2 B P * SP0601P	MOC	SP0601	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
32	03	09U	R	FU MN A P * SR5737P	MOC	SR5737	
32	03	09L	R	HE TK C P * SR5003P	MOC	SR5003	
32	03	10U	R	FU MN B P * SR5784P	MOC	SR5784	
32	03	10L	R	HE TK D P * SR5004P	MOC	SR5004	
32	03	11U	R	GY 1 SMRD * CH3623X R	MOC	CH3623	
32	03	11L	R	GY 2 SMRD * CH3624X R	MOC	CH3624	
32	03	12U	R	OCDU FAIL * 931C3007R	MOC	CH30B07	
32	03	12L	R	CHAN 77 * C77B1-9S	MOC	AGC32E	
32	03	13U	R	HE TK 1 P * CR0001P	MOC	CR0001	
32	03	13L	R	HE MN 1 P * CR0035P	MOC	CR0035	
32	03	14U	R	HE TK 2 P * CR0002P	MOC	CR0002	
32	03	14L	R	HE MN 2 P * CR0036P	MOC	CR0036	
32	03	15U	R	HE P/T C * SR5027Q	MOC	SR5027	
32	03	15L	R	FU MN C P * SR5822P	MOC	SR5822	
32	03	16U	R	HE P/T D * SR5028Q	MOC	SR5028	
32	03	16L	R	FU MN D P * SR5823P	MOC	SR5823	
32	03	17U		(BLANK)	MOC	043U	
32	03	17L		(BLANK)	MOC	043U	
32	03	18	R	MC&W * CS0150X R	MOC	CS0150	
32	04	01U	B	TVC ENABL * 912C1208S	MOC	CH12B08	
32	04	01L	G	S4 ULLAGE * 931C3001R	MOC	CH30B01	
32	04	02U	B	A/P CONT * 932C3115R	MOC	CH31B15	
32	04	02L	G	SPS READY * 931C3003R	MOC	CH30B03	
32	04	03U	G	A CH3558X * 1 +R +Y	STRIP	CH3558	
32	04	03L	G	A -P +X A * 4 CH3547 14	STRIP	CH3547	
32	04	04U	G	A CH3561X * 2 -R -Y	STRIP	CH3561	
32	04	04L	G	A +P -X B * 3 CH3548 23	STRIP	CH3548	
32	04	05U	G	SCS RCS A * CD0170X	MOC	CD0170	
32	04	05L	G	SCS RCS B * CD0171X	MOC	CD0171	
32	04	06U	G	CM RCS A * CD0173X	MOC	CD0173	
32	04	06L	G	CM RCS B * CD0174X	MOC	CD0174	
32	04	07U	G	D CH3555X B * 2 -R +Z 22	STRIP	CH3555	
32	04	07L	G	D +R -Z B * 1 CH3556X 21	STRIP	CH3556	
32	04	08U	G	D CH3553X A * 4 -Y -X 16	STRIP	CH3553	
32	04	08L	G	D +Y +X B * 3 CH3550X 25	STRIP	CH3550	
32	04	09U	G	ENG ON * 911C1113S	MOC	CH11B13	
32	04	09L	A	ENG PRESS * SP0661P	MOC	SP0661	
32	04	10U	G	SPS D1 * CH3604X R	MOC	CH3604	
32	04	10L	G	SPS D2 * CH3605X R	MOC	CH3605	
32	04	11U	G	B CH3552X A * 3 +Y -X 15	STRIP	CH3552	
32	04	11L	G	B -Y +X B * 4 CH3551X 26	STRIP	CH3551	
32	04	12U	G	B CH3554X A * 1 +R +Z 11	STRIP	CH3554	
32	04	12L	G	B -R -Z A * 2 CH3557X 12	STRIP	CH3557	
32	04	13U	A	GY 1 SMRD * CH3623X R	MOC	CH3623	
32	04	13L	A	GY 2 SMRD * CH3624X R	MOC	CH3624	
32	04	14U	G	TGOKNOW * 411F0209S	MOC	FW2B09	
32	04	14L	A	SC CN SCS * CH3607X	MOC	CH3607	
32	04	15U	G	CH3546X A * 3 +P+X 13	STRIP	CH3546	
32	04	15L	G	C -R +Y * 2 CH3559X	STRIP	CH3559	
32	04	16U	G	C CH3549B * 4 -P-X 24	STRIP	CH3549	
32	04	16L	G	C +R -Y * 1 CH3560X	STRIP	CH3560	
32	04	17U	A	CREW ABRT * CD0130X	MOC	CD0130	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
32	04	17L	A	CREW ABRT * CD0131X	MOC	CD0131	
32	04	18U	G	SLA SEP A * CD0123X	MOC	CD0123	
32	04	18L	G	CSM SEP A * CD0023X	MOC	CD0023	
32	05	01U	B	CSM * LIVE	CCATS	299C	
32	05	01L	A	CSM * STATIC	CCATS	300C	
32	05	02U	B	CMC * LIVE	CCATS	302C	
32	05	02L	A	CMC * STATIC	CCATS	303C	
32	05	03U	B	COAST * ALIGN	MOC	AGC06E	
32	05	03L	B	RENDZ * P-THRUST	MOC	AGC07E	
32	05	04U	B	ALL GNC * DISABLE	MOC	CSMCATGNC	
32	05	04L		(BLANK)	MOC	043U	
32	05	05U	B	QUAD A * DISABLE	MOC	CSMCATG	
32	05	05L	B	QUAD B * DISABLE	MOC	CSMCATH	
32	05	06U	B	CSM EVENTS * PLAYBACK	MOC	600PA	
32	05	06L	A	PRI FU TK * CSMLS07	MOC	CSMLS07	
32	05	07U	A	CSM * LFI	CCATS	358C	
32	05	07L	B	TC +X CMD * CH3574X	MOC	CH3574	
32	05	08U	A	CMC * LFI	CCATS	330C	
32	05	08L	B	TC -X CMD * CH3575X	MOC	CH3575	
32	05	09U	B	POWER	MOC	AGC05E	
32	05	09L	B	ENTRY * UPDATE	MOC	AGC08E	
32	05	10U	B	ISS LIM * DISABLE	MOC	CSMCATD	
32	05	10L	B	SCS ERR * DISABLE	MOC	CSMCATB	
32	05	11U	B	QUAD C * DISABLE	MOC	CSMCATI	
32	05	11L	B	QUAD D * DISABLE	MOC	CSMCATK	
32	05	12U	A	OX TK TMP * CSMLS08	MOC	CSMLS08	
32	05	12L	A	THERMAL T * CSMLS06	MOC	CSMLS06	
32	05	13U	B	TC +Y CMD * CH3576X	MOC	CH3576	
32	05	13L	B	TC +Z CMD * CH3578X	MOC	CH3578	
32	05	14U	B	TC -Y CMD * CH3577X	MOC	CH3577	
32	05	14L	B	TC -Z CMD * CH3579X	MOC	CH3579	
32	05	15U	B	PROG * 22	MOC	AGC10E	
32	05	15L	A	MC&W * CS0150X R	MOC	CS0150	
32	05	16U	B	SEP LIM * DISABLE	MOC	CSMCATE	
32	05	16L	A	MC&W LTCH * CS0150X R	MOC	CS0150	
32	05	17U	B	SPS AUX * QUANTITY	MOC	CSM15I	
32	05	17L		(BLANK)	MOC	043U	
32	05	18U	B	OPT CURVE * SPS GMBL	MOC	CSM14I	
32	05	18L	G	P/T * CORR	MOC	CSM02I	
32	06	01	A	P ATT ERR * CH3500H	MOC	CH3500	
32	06	02	A	Y ATT ERR * CH3501H	MOC	CH3501	
32	06	03	A	R ATT ERR * CH3502H	MOC	CH3502	
32	06	04	G	FDAI 5/5 * CH3592X	MOC	CH3592	
32	06	05	G	RO.2/2.0 * 821D0101S	MOC	DD1B01	
32	06	06	G	HOLD/AUTO * 932C3114S	MOC	CH31B14	
32	06	07	G	OPTCMC/MN * 942C3304S	MOC	CH33B04	
32	06	08	G	ICDU ZERO * 912C1205S	MOC	CH12B05	
32	06	09	A	ISS WARN * 911C1101S	MOC	CH11B01	
32	06	10	G	P ATT 1R2 * CH3638X	MOC	CH3638	
32	06	11	G	Y ATT 1R2 * CH3641X	MOC	CH3641	
32	06	12	G	R ATT 1R2 * CH3635X	MOC	CH3635	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
32	06	13	G	FDAI15-10 * CH3593X	MOC	CH3593	
32	06	14	G	R0.5/2.0 * 821D0102S	MOC	DD1B02	
32	06	15	G	FREE/AUTO * 932C3113S	MOC	CH31B13	
32	06	16	G	OPTCMC/MN * 942C3304S	MOC	CH33B04	
32	06	17	A	P SER ERR * CG2117V	MOC	CG2117	
32	06	18	A	ICDU FAIL * 931C3012R	MOC	CH30B12	
32	06	19	A	P RATE 2 * CH3639X	MOC	CH3639	
32	06	20	A	Y RATE 2 * CH3642X	MOC	CH3642	
32	06	21	A	R RATE 2 * CH3636X	MOC	CH3636	
32	06	22	B	CG LM/CSM * CH3600X	MOC	CH3600	
32	06	23	G	DAP DB5. * 821D0104S	MOC	DD1B04	
32	06	24	B	CMC +28V * CG1523X	MOC	CG1523	
32	06	25	G	GY ENABLE * 922C1406S	MOC	CH14B06	
32	06	26	A	Y SER ERR * CG2147V	MOC	CG2147	
32	06	27	A	OCDU FAIL * 931C3007R	MOC	CH30B07	
32	06	28	A	MTVC P * CH3585H	MOC	CH3585	
32	06	29	A	MTVC Y * CH3586H	MOC	CH3586	
32	06	30	A	MTVC R * CH3587H	MOC	CH3587	
32	06	31	A	LIM CYCLE * CH3606X R	MOC	CH3606	
32	06	32	G	MN DB.5/4 * CH3588X	MOC	CH3588	
32	06	33	B	IMU HTR28 * CG1513X	MOC	CG1513	
32	06	34	G	OPT EC EN * 912C1202S	MOC	CH12B02	
32	06	35	A	R SER ERR * CG2177V	MOC	CG2177	
32	06	36	A	IMU FAIL * 931C3013R	MOC	CH30B13	
32	06	37	A	ATVC P * CH3582V	MOC	CH3582	
32	06	38	A	ATVC Y * CH3583V	MOC	CH3583	
32	06	39	G	DRCT RCS1 * CH3601X	MOC	CH3601	
32	06	40	G	DRCT RCS2 * CH3602X	MOC	CH3602	
32	06	41	G	H/R 8/4 * CH3590X	MOC	CH3590	
32	06	42	B	IMU OPER * 931C3009R	MOC	CH30B09	
32	06	43	G	GY ENABLE * 922C1406S	MOC	CH14B06	
32	06	44	B	MIC ACTV * C32B6-1R	MOC	AGC12E	
32	06	45	A	PIPA FAIL * 942C3313R	MOC	CH33B13	
32	06	46	A	P GIMBAL * CH3517H	MOC	CH3517	
32	06	47	A	Y GIMBAL * CH3518H	MOC	CH3518	
32	06	48	A	P RATE * CH3503R	MOC	CH3503	
32	06	49	A	Y RATE * CH3504R	MOC	CH3504	
32	06	50	A	R RATE * CH3505R	MOC	CH3505	
32	06	51	B	OPT 28VAC * CG1533X	MOC	CG1533	
32	06	52	A	3.2 KH 28 * CG1331V	MOC	CG1331	
32	06	53	B	RHC ACTV * C31B6-1R	MOC	AGC13E	
32	06	54	A	PIPA TEMP * CG2300T	MOC	CG2300	
32	06	55	A	P DIF CUR * CH3666C	MOC	CH3666	
32	06	56	A	Y DIF CUR * CH3667C	MOC	CH3667	
32	06	57	B	P ACC CMD * CH3612X	MOC	CH3612	
32	06	58	B	Y ACC CMD * CH3615X	MOC	CH3615	
32	06	59	B	R ACC CMD * CH3609X	MOC	CH3609	
32	06	60	A	TM BIAS * CG1110V	MOC	CG1110	
32	06	61	A	PIPA +120 * CG1040V	MOC	CG1040	
32	06	62	B	THC ACTV * C31B12-7R	MOC	AGC30E	
32	06	63	G	COAR ALGN * 912C1204S	MOC	CH12B04	
32	06	64	A	S CDU DAC * CG3721V	MOC	CG3721	
32	06	65	A	T CDU DAC * CG3722V	MOC	CG3722	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
32	06	66	B	P MIN IMP * CH3613X	MOC	CH3613	
32	06	67	B	Y MIN IMP * CH3616X	MOC	CH3616	
32	06	68	B	R MIN IMP * CH3610X	MOC	CH3610	
32	06	69	A	IMU 800HZ * CG1201V	MOC	CG1201	
32	06	70	A	MC&W LTCH * CS0150X R	MOC	CS0150	
32	06	71	A	MC&W * CS0150X R	MOC	CS0150	
32	06	72	G	IMU CAGE * 931C3011R	MOC	CH30B11	
32	23	01U	G	CREWREADY * 432F0712S	MOC	FW7B12	
32	23	01L	A	IGN FLAG * 432F0713S	MOC	FW7B13	
32	23	02U	G	AVER RUN * 432F0706S	MOC	FW7B06	
32	23	02L	W	P 20 RUN * 401F0007S	MOC	FW0B07	
32	23	03U	G	CSM/S4 * 821D0113S	MOC	DD1B13	
32	23	03L	G	CSM-LM/S4 * 821D0114S	MOC	DD1B14	
32	23	04U	W	RCS/ST DP * 431F0614S	MOC	FW6B14	
32	23	04L	W	TVC/ST DP * 431F0615S	MOC	FW6B15	
32	23	05U	G	P11 POLY * 432F0707S	MOC	FW7B07	
32	23	05L	A	CDU TRANS * 772F1109S	MOC	FW11B09	
32	23	06U	A	CMC WARN * CG5040X R	MOC	CG5040	
32	23	06L	A	CMC WARN * 942C3314R	MOC	CH33B14	
32	23	07U	G	ENG CMDON * 422F0507S	MOC	FW5B07	
32	23	07L	A	KKK FAIL * 432F0704S	MOC	FW7B04	
32	23	08U	G	VHF * SOURCE	MOC	AGC01E	
32	23	08L	G	VHF DATOK * 942C3302R	MOC	CH33B02	
32	23	09U	G	CSM/LM-AS * 821D0115S	MOC	DD1B15	
32	23	09L	G	AC ROLL * 822D0213S	MOC	DD2B13	
32	23	10U	G	SAT NOIMU * 772F1110S	MOC	FW11B10	
32	23	10L	G	2 JET RCS * 402F0115S	MOC	FW1B15	
32	23	11U	A	AK OVRFLW * 432F0705S	MOC	FW7B05	
32	23	11L	A	SAT TKOVR * 931C3010R	MOC	CH30B10	
32	23	12	A	PGM CAUT * 502K1109S	MOC	DT11B09	
32	23	13U	G	A OK * 822D0210S	MOC	DD2B10	
32	23	13L	G	C OK * 822D0204S	MOC	DD2B04	
32	23	14U	G	B OK * 822D0207S	MOC	DD2B07	
32	23	14L	G	D OK * 822D0201S	MOC	DD2B01	
32	23	15U	G	X TRAN AC * 821D0110S	MOC	DD1B10	
32	23	15L	G	X TRAN BD * 821D0107S	MOC	DD1B07	
32	23	16U	G	KAL ENBL * 802H0015S	MOC	HFLB15	
32	23	16L	G	NDLTOTAT * 401F0009S	MOC	FW0B09	
32	23	17U	A	UP TM BLK * 942C3310R	MOC	CH33B10	
32	23	17L	G	N22ERNDS * 442F0906S	MOC	FW9B06	
32	23	18U	A	GMBL LOCK * 502K1106S	MOC	DT11B06	
32	23	18L	A	NO ATT * 502K1104S	MOC	DT11B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
33	03	01	R	ENG C/O * ON	MOC	K0140-404	
33	03	02U	G	LOX P/VLV * OPN	MOC	K0109-403	
33	03	02L	R	LOX P/VLV * CLS	MOC	K0110-403	
33	03	03U	G	LH2 P/VLV * OPN	MOC	K0111-404	
33	03	03L	R	LH2 P/VLV * CLS	MOC	K0112-404	
33	03	04U	G	LOX BLD * VLV CLS	MOC	K0126-401	
33	03	04L	G	LH2 BLD * VLV CLS	MOC	K0127-401	
33	03	05U		(BLANK)	MOC	043U	
33	03	05L		(BLANK)	MOC	043U	
33	03	06U		(BLANK)	MOC	043U	
33	03	06L		(BLANK)	MOC	043U	
33	03	07U		(BLANK)	MOC	043U	
33	03	07L		(BLANK)	MOC	043U	
33	03	08	R	LOX VENT * OPEN	MOC	K0016-404	
33	03	09	R	LOX * NPV OPEN	MOC	K0198-424	
33	03	10	R	LH2 VENT * OPEN	MOC	K0017-410	
33	03	11	R	LH2 LATCH * RLF OPN	MOC	K0211-410	
33	03	12	G	CVS REG * SOL CLS	MOC	K0154-411	
33	03	13U		(BLANK)	MOC	043U	
33	03	13L		(BLANK)	MOC	043U	
33	03	14	G	LOX VENT * CLOSE	MOC	K0002-424	
33	03	15	G	LOX * NPV CLOSED	MOC	K0199-424	
33	03	16	G	LH2 VENT * CLOSE	MOC	K0001-410	
33	03	17	G	LH2 LATCH * RLF CLS	MOC	K0210-410	
33	03	18	G	CVS ORF * BY CLS	MOC	K0155-411	
33	04	01U		(BLANK)	MOC	043U	
33	04	01L		(BLANK)	MOC	043U	
33	04	02	G	LOX C/D * SOV OPN	MOC	K0138-424	
33	04	03	G	LH2 C/D * SOV OPN	MOC	K0137-409	
33	04	04U		(BLANK)	MOC	043U	
33	04	04L		(BLANK)	MOC	043U	
33	04	05U		(BLANK)	MOC	043U	
33	04	05L		(BLANK)	MOC	043U	
33	04	06U		(BLANK)	MOC	043U	
33	04	06L		(BLANK)	MOC	043U	
33	04	07U		(BLANK)	MOC	043U	
33	04	07L		(BLANK)	MOC	043U	
33	04	08	R	LOX C/D * SOV CLS	MOC	K0139-424	
33	04	09	R	LH2 C/D * SOV CLS	MOC	K0136-409	
33	04	10U		(BLANK)	MOC	043U	
33	04	10L		(BLANK)	MOC	043U	
33	04	11U		(BLANK)	MOC	043U	
33	04	11L		(BLANK)	MOC	043U	
33	04	12U		(BLANK)	MOC	043U	
33	04	12L		(BLANK)	MOC	043U	
33	04	13U		(BLANK)	MOC	043U	
33	04	13L		(BLANK)	MOC	043U	
33	04	14	A	AMB * REPRESS	MOC	K0195-404	
33	04	15U		(BLANK)	MOC	043U	
33	04	15L		(BLANK)	MOC	043U	
33	04	16U		(BLANK)	MOC	043U	
33	04	16L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
33	04	17U		(BLANK)	MOC	043U	
33	04	17L		(BLANK)	MOC	043U	
33	04	18	A	START TK * RCHG ENAB	MOC	K0200-404	
33	05	01U		(BLANK)	MOC	043U	
33	05	01L		(BLANK)	MOC	043U	
33	05	02U		(BLANK)	MOC	043U	
33	05	02L		(BLANK)	MOC	043U	
33	05	03U		(BLANK)	MOC	043U	
33	05	03L		(BLANK)	MOC	043U	
33	05	04U	R	SIC LOX * VENT OPEN	MOC	K0064-120	
33	05	04L	R	S-IC FUEL * VENT OPEN	MOC	K0065-118	
33	05	05U	R	LOX ULL * <18 PSIA	MOC	D0153-119	
33	05	05L	R	FUEL ULL * <24 PSIA	MOC	D0152-117	
33	05	06U	R	LOX ULL * <18 PSIA	MOC	D0094-119	
33	05	06L	R	FUEL ULL * <24 PSIA	MOC	D0090-117	
33	05	07U		(BLANK)	MOC	043U	
33	05	07L		(BLANK)	MOC	043U	
33	05	08U	G	SIC HE * VLV 1 OP	MOC	K0059-118	
33	05	08L	R	S-IC ENG1 * TNOK #1	MOC	K0033-115	
33	05	09U	G	SIC HE * VLV 2 OP	MOC	K0060-118	
33	05	09L	R	S-IC ENG2 * TNOK #1	MOC	K0036-115	
33	05	10U	G	SIC HE * VLV 3 OP	MOC	K0061-118	
33	05	10L	R	S-IC ENG3 * TNOK #1	MOC	K0039-115	
33	05	11U	G	SIC HE * VLV 4 OP	MOC	K0062-118	
33	05	11L	R	S-IC ENG4 * TNOK #1	MOC	K0042-115	
33	05	12U	A	SIC HE * VLV 5 OP	MOC	K0063-118	
33	05	12L	R	S-IC ENG5 * TNOK #1	MOC	K0045-115	
33	05	13U		(BLANK)	MOC	043U	
33	05	13L		(BLANK)	MOC	043U	
33	05	14U	R	SIC ENG 1 * TNOK NO 2	MOC	K0034-115	
33	05	14L	R	SIC ENG 1 * CUTOFF	MOC	K0052-115	
33	05	15U	R	SIC ENG 2 * TNOK NO 2	MOC	K0037-115	
33	05	15L	R	SIC ENG 2 * CUTOFF	MOC	K0053-115	
33	05	16U	R	SIC ENG 3 * TNOK NO 2	MOC	K0040-115	
33	05	16L	R	SIC ENG 3 * CUTOFF	MOC	K0054-115	
33	05	17U	R	SIC ENG 4 * TNOK NO 2	MOC	K0043-115	
33	05	17L	R	SIC ENG 4 * CUTOFF	MOC	K0055-115	
33	05	18U	R	SIC ENG 5 * TNOK NO 2	MOC	K0046-115	
33	05	18L	R	SIC ENG 5 * CUTOFF	MOC	K0056-115	
33	06	01U	R	S-II LOX * ULL <36	MOC	D0257-206	
33	06	01L	R	S-II FUEL * ULL <28.5	MOC	D0252-219	
33	06	02U	R	S-II LOX * ULL <36	MOC	D0258-206	
33	06	02L	R	S-II FUEL * ULL <28.5	MOC	D0253-219	
33	06	03U	R	S-II LOX * FLO REG 0	MOC	G0013-207	
33	06	03L	R	S-II FUEL * FLO REG 0	MOC	G0012-219	
33	06	04U		(BLANK)	MOC	043U	
33	06	04L		(BLANK)	MOC	043U	
33	06	05U		(BLANK)	MOC	043U	
33	06	05L		(BLANK)	MOC	043U	
33	06	06U	R	S-II PNEU * SUPP<1200	MOC	D0080-206	
33	06	06L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
33	06	07U	R	SII LOX * VENT 1 OP	MOC	K0157-207	
33	06	07L	R	SII FUEL * VENT 1 OP	MOC	K0155-219	
33	06	08U	R	SII ENG 1 * TNOK NO 1	MOC	K0231-201	
33	06	08L	R	SII ENG 1 * TNOK NO 2	MOC	K0232-201	
33	06	09U	R	SII ENG 2 * TNOK NO 1	MOC	K0231-202	
33	06	09L	R	SII ENG 2 * TNOK NO 2	MOC	K0232-202	
33	06	10U	R	SII ENG 3 * TNOK NO 1	MOC	K0231-203	
33	06	10L	R	SII ENG 3 * TNOK NO 2	MOC	K0232-203	
33	06	11U	R	SII ENG 4 * TNOK NO 1	MOC	K0231-204	
33	06	11L	R	SII ENG 4 * TNOK NO 2	MOC	K0232-204	
33	06	12U	R	SII ENG 5 * TNOK NO 1	MOC	K0231-205	
33	06	12L	R	SII ENG 5 * TNOK NO 2	MOC	K0232-205	
33	06	13U	R	SII LOX * VENT 2 OP	MOC	K0158-207	
33	06	13L	R	SII FUEL * VENT 2 OP	MOC	K0156-219	
33	06	14U	R	SII LOX * PVLV 1 CL	MOC	K0169-207	
33	06	14L	R	SII FUEL * PVLV 1 CL	MOC	K0174-207	
33	06	15U	R	SII LOX * PVLV 2 CL	MOC	K0170-207	
33	06	15L	R	SII FUEL * PVLV 2 CL	MOC	K0175-207	
33	06	16U	R	SII LOX * PVLV 3 CL	MOC	K0171-207	
33	06	16L	R	SII FUEL * PVLV 3 CL	MOC	K0176-207	
33	06	17U	R	SII LOX * PVLV 4 CL	MOC	K0172-207	
33	06	17L	R	SII FUEL * PVLV 4 CL	MOC	K0177-207	
33	06	18U	R	SII LOX * PVLV 5 CL	MOC	K0173-207	
33	06	18L	R	SII FUEL * PVLV 5 CL	MOC	K0178-207	
33	07	01U	G	CCS * IN LOCK	MOC	J0077-603	
33	07	01L	G	IU PRN * UPLINK	STRIP	IUUSB03	
33	07	02U	G	70 KHZ * IN LOCK	MOC	J0078-603	
33	07	02L	G	IU UDL * 70KHZ	STRIP	IUUSB01	
33	07	03U	G	CCS POWER * ON	MOC	K0150-601	
33	07	03L	G	CCS POWER * INHIBIT	MOC	K0153-603	
33	07	04U	G	CCS ANT * HIGH GAIN	MOC	K0131-603	
33	07	04L	G	ANT'S * OMNI	MOC	OMWD19	
33	07	05U	G	CCS ANT * LOW GAIN	MOC	K0132-603	
33	07	05L	G	ANT'S * LO GAIN	MOC	OMWD21	
33	07	06U	G	CCS ANT * OMNI ON	MOC	SIU52E	
33	07	06L	G	ANT'S * HI GAIN	MOC	OMWD20	
33	07	07U	G	EXECUTE * MAN A	MOC	OMWD22	
33	07	07L	G	CCS TM * SYNC	STRIP	IUUSB07	
33	07	08U	G	C-BAND * INHIBIT 1	MOC	K0137-603	
33	07	08L	G	C-BAND * INHIBIT 2	MOC	K0138-603	
33	07	09U		(BLANK)	MOC	043U	
33	07	09L		(BLANK)	MOC	043U	
33	07	10U		(BLANK)	MOC	043U	
33	07	10L		(BLANK)	MOC	043U	
33	07	11U	G	S-IVB C/O * TB5	MOC	GMW1D02	
33	07	11L	G	SIVB RST * TB6	MOC	GMW1D01	
33	07	12U	G	SIVB C/O * TB7	MOC	GMW2D20	
33	07	12L	G	BEGIN * TB 8	MOC	OMWD11	
33	07	13U	G	DCS * ENABLE	MOC	OMWD26	
33	07	13L		(BLANK)	MOC	043U	
33	07	14U	R	RS 1 ARM	MOC	N0057-411	
33	07	14L	R	RS 2 ARM	MOC	N0062-411	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
33	07	15U	G	SIC * LIVE	CCATS	401S	
33	07	15L	A	SIC * STATIC	CCATS	402S	
33	07	16U	G	SII * LIVE	CCATS	354S	
33	07	16L	A	SII * STATIC	CCATS	355S	
33	07	17U	G	SIVB * LIVE	CCATS	228S	
33	07	17L	A	SIVB * STATIC	CCATS	229S	
33	07	18U	G	SIU * LIVE	CCATS	061I	
33	07	18L	A	SIU * STATIC	CCATS	062I	
33	09			(FORMAT IX)		156F	
33	09					043B	
33	09	01		EDS 1 FUEL TK ULL PRESS	DAC	D0177-408	
33	09	02		FUEL PUMP INLET PRESS	DAC	D0002-403	
33	09	03		FUEL PUMP INLET TEMP	DAC	C0003-403	
33	09	04		LH2 RECIRC FLOWRATE	DAC	F0005-404	
33	09	05		FUEL TK HE BOTTLE PRESS	DAC	D0020-403	
33	09	06		EDS 1 OXID TK ULL PRESS	DAC	D0179-406	
33	09	07		OXID PUMP INLET PRESS	DAC	D0003-403	
33	09	08		OXID PUMP INLET TEMP	DAC	C0004-403	
33	09	09		LOX RECIRC FLOWRATE	DAC	F0004-424	
33	09	10		PRESS-LOX REPRESS SPHERE	DAC	D0088-403	
33	09	11		(UNASSIGNED)	DAC	043U	
33	09	12		ENG CTRL HE SPHERE PRESS	DAC	D0019-401	
33	09	13		PRESS-CONTROL HE REG DISC	DAC	D0014-403	
33	09	14		GH2 START BOTTLE PRESS	DAC	D0017-401	
33	09	15		(UNASSIGNED)	DAC	043U	
33	12	01U	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
33	12	01L		(BLANK)	MOC	043U	
33	12	02U	R	GF3571P * CABIN P	MOC	GF3571	
33	12	02L	R	GF1301P * SUIT P	MOC	GF1301	
33	12	03U	R	GC1201C * BAT 1 C	MOC	GC1201	
33	12	03L	R	GC1202C * BAT 2 C	MOC	GC1202	
33	12	04U	R	GC0301V * CDR BUS V	MOC	GC0301	
33	12	04L	R	GC0302V * LMP BUS V	MOC	GC0302	
33	12	05U	R	GT8168P * PGA 1 P	MOC	GT8168	
33	12	05L	R	GT8182P * 1 O2 P	MOC	GT8182	
33	12	06U	R	GT8268P * PGA 2 P	MOC	GT8268	
33	12	06L	R	GT8282P * 2 O2 P	MOC	GT8282	
33	12	07U	R	GF2921P * SEC GLY P	MOC	GF2921	
33	12	07L	R	GF9997U * G PUMP P	MOC	GF9997	
33	12	08U	R	GF1083/4 * SF 1/2 MAL	MOC	LEM01CE	
33	12	08L	R	GF3582-4 * OXYGEN P	MOC	LEMCLS07	
33	12	09U	R	GC1203C * BAT 3 C	MOC	GC1203	
33	12	09L	R	GC1204C * BAT 4 C	MOC	GC1204	
33	12	10U	R	GC0205/6 * BAT 5/6 V	MOC	LEMCLS09	
33	12	10L	R	GL4047X-0 * BAT MAL	MOC	GL4047	
33	12	11U	R	GT8170T * 1 O2 T	MOC	GT8170	
33	12	11L	R	GT8110P * 1 H2O P	MOC	GT8110	
33	12	12U	R	GT8270T * 2 O2 T	MOC	GT8270	
33	12	12L	R	GT8210P * 2 H2O P	MOC	GT8210	
33	12	13U	R	GF9986U * GLY LOW	MOC	GF9986	
33	12	13L	R	GF2581T * GLY OUT T	MOC	GF2581	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
33	12	14U	R	LM4609-11 * WATER Q	MOC	LEMCLS08	
33	12	14L	R	GF4101P * H2O ΔP	MOC	GF4101	38
33	12	15U	R	GC1205C * BAT 5 C	MOC	GC1205	
33	12	15L	R	GC1206C * BAT 6 C	MOC	GC1206	
33	12	16U	R	GC9965U-1 * BAT 5 MAL	MOC	GC9965	
33	12	16L	R	GC9966U-1 * BAT 6 MAL	MOC	GC9966	
33	12	17U	R	GT8140C * 1 BAT CUR	MOC	GT8140	
33	12	17L	R	GT8141V * 1 BAT V	MOC	GT8141	
33	12	18U	R	GT8240C * 2 BAT CUR	MOC	GT8240	
33	12	18L	R	GT8241V * 2 BAT V	MOC	GT8241	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	02	01U	G	SIC IBECO * (TB2)	MOC	GMW1D20	
34	02	01L	G	SIC OBECO * (TB3)	MOC	GMW1D19	
34	02	02U	G	SIVB * IGNITION	MOC	GMW1D06	
34	02	02L	G	SIVB * IGM2	MOC	GMW1D05	
34	02	03U	G	SIVB C/O * TB7	MOC	GMW2D20	
34	02	03L	A	S/C INIT * SIVB C/O	MOC	GMW2D19	
34	02	04U	R	GUID * REF FAIL	MOC	GMW2D08	
34	02	04L	A	TLI 2 * INHIBIT	MOC	GMW2D07	
34	02	05U	G	ANT'S * HI GAIN	MOC	OMWD20	
34	02	05L	G	ANT'S * OMNI	MOC	OMWD19	
34	02	06U	G	H2O VALVE * LOGIC ON	MOC	OMWD08	
34	02	06L	A	MAN 3 * INHIBIT	MOC	OMWD07	
34	02	07U	A	SIC INBD * OUT	MOC	GMW1D18	
34	02	07L	A	SI OUTBD * OUT	MOC	GMW1D17	
34	02	08U	G	SIVB TERM * GUID 1	MOC	GMW1D04	
34	02	08L	G	SIVB C/O * CMD 1	MOC	GMW1D03	
34	02	09U	A	PLAT FAIL * S/C S/O	MOC	GMW2D18	
34	02	09L	A	BEGIN * TB4A	MOC	GMW2D17	
34	02	10U	A	TLI 1 * INHIBIT	MOC	GMW2D06	
34	02	10L	A	BEGIN * TB6C	MOC	GMW2D05	
34	02	11U	G	NAV UPDT * RCVD	MOC	OMWD18	
34	02	11L	G	TB UPDATE * RCVD	MOC	OMWD17	
34	02	12U	G	MAN 4 * INHIBIT	MOC	OMWD06	
34	02	12L	G	MAN 5 * INHIBIT	MOC	OMWD05	
34	02	13U	G	SECOND * S-II SEP	MOC	GMW1D15	
34	02	13L	G	SII * IGM1	MOC	GMW1D14	
34	02	14U	G	S-IVB C/O * TB5	MOC	GMW1D02	
34	02	14L	G	SIVB RST * TB6	MOC	GMW1D01	
34	02	15U	G	GMW2D16	MOC	GMW2D16	
34	02	15L	G	GMW2D15	MOC	GMW2D15	
34	02	16U	G	TB6 VIA * S/C CMD	MOC	GMW2D04	
34	02	16L	A	BEGIN * TB6B	MOC	GMW2D03	
34	02	17U	G	TRACK * LOC HORIZ	MOC	OMWD16	
34	02	17L	G	ATTITUDE * HOLD	MOC	OMWD15	
34	02	18U	G	MAN 9 * INHIBIT	MOC	OMWD04	
34	02	18L	G	SEP MAN * INHIBIT	MOC	OMWD03	
34	03	01U	G	SLV * GRR	MOC	GMW1D26	
34	03	01L	G	SLV L/O * (TB1)	MOC	GMW1D25	
34	03	02U	G	SII * IGM2	MOC	GMW1D13	
34	03	02L	G	SII C/O * TB4	MOC	GMW1D12	
34	03	03U	G	SIVB IGN * 2ND BURN	MOC	GMW2D26	
34	03	03L	G	GMW2D25	MOC	GMW2D25	
34	03	04U	G	GMW2D14	MOC	GMW2D14	
34	03	04L	G	GMW2D13	MOC	GMW2D13	
34	03	05U	G	DCS * ENABLE	MOC	OMWD26	
34	03	05L	G	TB8 CMD * ENABLED	MOC	OMWD25	
34	03	06U	A	S/C IN * CONTROL	MOC	OMWD14	
34	03	06L	A	TD&E * ENABLE	MOC	OMWD13	
34	03	07U	G	PITCH AND * ROLL STRT	MOC	GMW1D24	
34	03	07L	G	ROLL * COMPLETE	MOC	GMW1D23	
34	03	08U	A	SII OUTBD * OUT	MOC	GMW1D11	
34	03	08L	A	SII INBD * OUT	MOC	GMW1D10	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	03	09U	G	GMW2D24	MOC	GMW2D24	
34	03	09L	G	SIVB 2ND * TERM GUID	MOC	GMW2D23	
34	03	10U	G	LUNAR * IMPACT	MOC	GMW2D12	
34	03	10L	G	SMC	MOC	GMW2D11	
34	03	11U	G	OMWD24	MOC	OMWD24	
34	03	11L	G	OMWD23	MOC	OMWD23	
34	03	12U	G	TARGET * UPDATE	MOC	OMWD12	
34	03	12L	G	BEGIN * TB 8	MOC	OMWD11	
34	03	13U	G	GMW1D22	MOC	GMW1D22	
34	03	13L	G	TILT * ARREST	MOC	GMW1D21	
34	03	14U	G	SII/SIVB * SEP	MOC	GMW1D09	
34	03	14L	G	SIVB * IGM1	MOC	GMW1D07	
34	03	15U	G	S-IVB * 2ND C/O	MOC	GMW2D22	
34	03	15L	G	GMW2D21	MOC	GMW2D21	
34	03	16U	A	BEGIN * TB6A	MOC	GMW2D10	
34	03	16L	R	TLC FAIL	MOC	GMW2D09	
34	03	17U	G	EXECUTE * MAN A	MOC	OMWD22	
34	03	17L	G	ANT'S * LO GAIN	MOC	OMWD21	
34	03	18U	G	CONTL RET * LOC HORIZ	MOC	OMWD10	
34	03	18L	G	CONTL RET * ATT HOLD	MOC	OMWD09	
34	04	01U	G	SS06 MULT * ENG CO EN	MOC	SS06	
34	04	01L	G	SS13 SII * LOX LLS A	MOC	SS13	
34	04	02U	G	SS07 EDS * C/O ENABL	MOC	SS07	
34	04	02L	G	SS14 SII * FUEL LLS	MOC	SS14	
34	04	03U	G	SS11 SIC * IBECO CMD	MOC	SS11	
34	04	03L	G	SS15 ARM * SIVB LLS	MOC	SS15	
34	04	04U	G	SS12 SIC * LLS ARM	MOC	SS12	
34	04	04L	G	SS18 CMD * SYS ENABL	MOC	SS18	
34	04	05U	G	SS17 SII * 2 PL SEP	MOC	SS17	
34	04	05L		(BLANK)	MOC	043U	
34	04	06U	G	SS16 SII * STEP PRES	MOC	SS16	
34	04	06L	A	LVDA * TEMP	MOC	SIULS02	
34	04	07U	A	EMR * BIT SET	MOC	SIU32E	
34	04	07L	A	Z ACCEL * ZERO	MOC	GSWD04	
34	04	08U	A	TLC	MOC	EMRD26	
34	04	08L	A	X ACCEL * ZERO	MOC	GSWD03	
34	04	09U	A	MEM A * FAIL	MOC	EMRD24	
34	04	09L	A	A COUNTER * BAD	MOC	GSWD12	
34	04	10U	A	MEM B * FAIL	MOC	EMRD25	
34	04	10L	A	B COUNTER * BAD	MOC	GSWD11	
34	04	11U	A	LADDER A * FAIL	MOC	EMRD09	
34	04	11L	A	AIR BRNG * IN PRESS	MOC	D0011-603	
34	04	12U	A	LVDC MEM * TEMP	MOC	C0054-603	
34	04	12L	A	INERTIAL * GIM TEMP	MOC	C0034-603	
34	04	13U	A	Z ACC * FAIL A	MOC	GSWD26	
34	04	13L	A	Z ACC * FAIL B	MOC	GSWD25	
34	04	14U	A	X ACC * FAIL A	MOC	GSWD24	
34	04	14L	A	X ACC * FAIL B	MOC	GSWD23	
34	04	15U	A	Y ACC * FAIL A	MOC	GSWD22	
34	04	15L	A	Y ACC * FAIL B	MOC	GSWD21	
34	04	16U	A	P GIM * FAIL F	MOC	GSWD15	
34	04	16L	A	P GIM * FAIL B	MOC	GSWD16	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	04	17U	A	R GIM * FAIL F	MOC	GSWD17	
34	04	17L	A	R GIM * FAIL B	MOC	GSWD18	
34	04	18U	A	Y GIM * FAIL F	MOC	GSWD19	
34	04	18L	A	Y GIM * FAIL B	MOC	GSWD20	
34	05	01U	G	SS ENG * C/O ENABL	MOC	K0073-602	
34	05	01L	G	TIMER ENG * C/O ENABL	MOC	K0074-602	
34	05	02U	G	SS01 PYR * OFF ENABL	MOC	SS01	
34	05	02L	G	SS02 ENG * OFF ENABL	MOC	SS02	
34	05	03U	G	SS08 PYR * OFF INH	MOC	SS08	
34	05	03L	G	SS09 ENG * EDS OFF	MOC	SS09	
34	05	04U	R	ABORT	MOC	K0072-602	
34	05	04L		(BLANK)	MOC	043U	
34	05	05U	A	EDS/MAN B * C/O OF LV	MOC	K0076-602	
34	05	05L		(BLANK)	MOC	043U	
34	05	06U	A	EDS/MAN A * C/O OF LV	MOC	K0075-602	
34	05	06L		(BLANK)	MOC	043U	
34	05	07U	A	FCC PWR * OFF A	MOC	K0033-603	
34	05	07L		(BLANK)	MOC	043U	
34	05	08U	A	FCC PWR * OFF B	MOC	K0034-603	
34	05	08L		(BLANK)	MOC	043U	
34	05	09U	A	FCC PWR * OFF C	MOC	K0035-603	
34	05	09L		(BLANK)	MOC	043U	
34	05	10U		(BLANK)	MOC	043U	
34	05	10L	A	PITCH * RATE R4	MOC	R0004-602	
34	05	11U	A	EXCESS * P/Y RATE	MOC	K0084-602	
34	05	11L	A	YAW * RATE R5	MOC	R0005-602	
34	05	12U	A	EXCESS * RATE ROLL	MOC	K0083-602	
34	05	12L	A	ROLL * RATE R6	MOC	R0006-602	
34	05	13U	G	SLV L/O * (TB1)	MOC	GMW1D25	
34	05	13L	G	S-IC BURN * MODE	MOC	K0089-602	
34	05	14U	G	NO SIC * SEP	MOC	K0088-602	
34	05	14L	G	S-II BURN * MODE	MOC	K0090-602	
34	05	15U	G	NO S-II * SEP	MOC	K0068-602	
34	05	15L	G	SIVB BURN * MODE	MOC	K0020-602	
34	05	16U	G	M/S NO 1 * OK	MOC	K0014-401	
34	05	16L	G	M/S NO 2 * OK	MOC	K0157-401	
34	05	17U		(BLANK)	MOC	043U	
34	05	17L		(BLANK)	MOC	043U	
34	05	18	R	SII * PITCH ACT *	MOC	SII7610C	
34	05	18		HARD OVER * INBOARD	MOC	SII7610C	
34	06	01U	G	EDS READY	CASTS-	033E	
34	06	01L		(BLANK)	MOC	043U	
34	06	02U	G	EDS 6D91 * ON	MOC	K0069-602	
34	06	02L		(BLANK)	MOC	043U	
34	06	03U	G	EDS 6D92 * ON	MOC	K0070-602	
34	06	03L		(BLANK)	MOC	043U	
34	06	04U	G	EDS 6D93 * ON	MOC	K0071-602	
34	06	04L		(BLANK)	MOC	043U	
34	06	05U	A	PITCH * RATE S/O	MOC	R0027-602	
34	06	05L	A	YAW * RATE S/O	MOC	R0026-602	
34	06	06U	A	PIT SP * AMP S/O	MOC	K0025-602	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	06	06L	A	R-Y II SP * AMP S/O	MOC	K0026-602	
34	06	07U	G	PITCH * MOD II	MOC	K0135-404	
34	06	07L	G	PITCH * MOD I	MOC	K0133-404	
34	06	08U	G	ULLAGE * MOD II	MOC	D0221-415	
34	06	08L	G	ULLAGE * MOD I	MOC	D0220-414	
34	06	09U	G	YAW/ROLL * MOD II	MOC	K0134-404	
34	06	09L	G	YAW/ROLL * MOD I	MOC	K0132-404	
34	06	10U		(BLANK)	MOC	043U	
34	06	10L		(BLANK)	MOC	043U	
34	06	11U	A	ROLL * RATE S/O	MOC	R0025-602	
34	06	11L	A	PIT SERVO * AMP S/O	MOC	K0022-602	
34	06	12U	A	R-Y I SP * AMP S/O	MOC	K0024-602	
34	06	12L	A	YAW SERVO * AMP S/O	MOC	K0023-602	
34	06	13	R	SII * YAW ACT *	MOC	SII7611C	
34	06	13		HARD OVER * INBOARD	MOC	SII7611C	
34	06	14U		(BLANK)	MOC	043U	
34	06	14L		(BLANK)	MOC	043U	
34	06	15U		(BLANK)	MOC	043U	
34	06	15L	A	APS HE * MOD I	MOC	D0035-414	
34	06	16U	A	SC CNTROL * OF SATURN	MOC	K0019-602	
34	06	16L	A	APS HE * MOD II	MOC	D0036-415	
34	06	17U		(BLANK)	MOC	043U	
34	06	17L	A	S-IVB HYD * LEVEL	MOC	L0007-403	
34	06	18U		(BLANK)	MOC	043U	
34	06	18L	A	S-IVB HYD * SYS PRESS	MOC	D0041-403	
34	07					043B	23
34	07			(L/EEB CONFIGURATION)		079L	
34	07					043B	
34	07	01U	A	MASS * +12 VDC	MOC	SIM42704C	
34	07	01L	A	MASS * +5 VDC	MOC	SIM42705C	
34	07	02U	B	MASS FIL * NO. 2 ON	MOC	SIM42710C	
34	07	02L	A	LOW MASS * ELEC MULT	MOC	SIM42711C	
34	07	03U	A	MASS MULT * GAIN HIGH	MOC	SIM42716C	
34	07	03L	A	MASS DISC * GAIN LOW	MOC	SIM42717C	
34	07	04U		(BLANK)	MOC	043U	
34	07	04L		(BLANK)	MOC	043U	
34	07	05U		(BLANK)	MOC	043U	
34	07	05L		(BLANK)	MOC	043U	
34	07	06U	A	STRUCTURE * TEMP SUM	MOC	CSMLS09	
34	07	06L	R	SDS FORMT * CHANGE	MOC	ST0565	
34	07	07U	A	MASS * -12 VDC	MOC	SIM42706C	
34	07	07L	A	MASS * -15 VDC	MOC	SIM42707C	
34	07	08U	A	HIGH MASS * ELEC MULT	MOC	SIM42712C	
34	07	08L	A	MASS * SWEEP V	MOC	SIM42713C	
34	07	09U	A	MASS * INSTMNT I	MOC	SIM42718C	
34	07	09L	R	MASS * NO SYNC	MOC	SIM071	
34	07	10U		(BLANK)	MOC	043U	
34	07	10L		(BLANK)	MOC	043U	
34	07	11U		(BLANK)	MOC	043U	
34	07	11L		(BLANK)	MOC	043U	
34	07	12U	A	SDS REF V * MASTER	MOC	ST0567	
34	07	12L	A	SDS REF V * SLAVE	MOC	ST0568	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	07	13U	A	MASS I * EMISSION	MOC	SIM42708C	
34	07	13L	B	MASS FIL * NO. 1 ON	MOC	SIM42709C	
34	07	14U	A	MASS * ELEC T	MOC	SIM42714C	
34	07	14L	A	MASS ION * SOURCE T	MOC	SIM42715C	
34	07	15U	R	SUBCOMM * NO SYNC	MOC	SIM08I	
34	07	15L		(BLANK)	MOC	043U	
34	07	16U		(BLANK)	MOC	043U	
34	07	16L		(BLANK)	MOC	043U	
34	07	17U		(BLANK)	MOC	043U	
34	07	17L		(BLANK)	MOC	043U	
34	07	18U	G	SUBSAT * LAUNCH	STRIP	SL1080	
34	07	18L		(BLANK)	MOC	043U	
34	09			(FORMAT IX)		156F	
34	09					043B	
34	09	01		Y TOTAL ACT GIMBAL ANGLE	DAC	LVDC 15A	
34	09	02		PITCH GUIDANCE ANGLE	DAC	LVDC 12A	
34	09	03		GUID CMPTR LADDER ATT PITCH	DAC	H0054-603	
34	09	04		ANG VEL PITCH (REFERENCE)	DAC	R0013-602	
34	09	05		ANG VEL PITCH (CNTL)	DAC	R0004-602	
34	09	06		Z TOTAL ACT GIMBAL ANGLE	DAC	LVDC 16A	
34	09	07		YAW GUIDANCE ANGLE	DAC	LVDC 13A	
34	09	08		GUID CMPTR LADDER ATT YAW	DAC	H0055-603	
34	09	09		ANG VEL YAW (REFERENCE)	DAC	R0008-602	
34	09	10		ANG VEL YAW (CNTL)	DAC	R0005-602	
34	09	11		X TOTAL ACT GIMBAL ANGLE	DAC	LVDC 14A	
34	09	12		ROLL GUIDANCE ANGLE	DAC	LVDC 11A	
34	09	13		GUID CMPTR LADDER ATT ROLL	DAC	H0056-603	
34	09	14		EDS MON ANG VEL ROLL GRP 2	DAC	R0034-602	
34	09	15		ANG VEL ROLL (CNTL)	DAC	R0006-602	
34	17					043B	23
34	17			(L/EEB CONFIGURATION)		079L	
34	17					043B	
34	17	01U	A	PAN V/H * CMD V	MOC	SL1030	
34	17	01L	A	PAN * ELECT T	MOC	SL1032	
34	17	02U	A	PAN EXPOS * CMD	MOC	SL1038	
34	17	02L	A	PAN LENS * BARREL T	MOC	SL1039	
34	17	03U	A	PAN N2 * TANK T	MOC	SL1212	
34	17	03L	A	PAN N2 * LINE T	MOC	SL1211	
34	17	04U	A	MET FWD * LENS T	MOC	SL1160	
34	17	04L	A	MET LENS * BARREL T	MOC	SL1161	
34	17	05U	A	LASER * PMT V	MOC	SL1092	
34	17	05L	A	LASER * PFN V	MOC	SL1093	
34	17	06U	B	NO LASER * OUTPUT	MOC	SIM02E	
34	17	06L	B	LASER Q * SW SPEED	MOC	SIM03E	
34	17	07U	A	PAN FRAME * ROL POSIT	MOC	SL1033	
34	17	07L	A	PAN SHUTL * POSITION	MOC	SL1034	
34	17	08U	A	PAN FWD * LENS T	MOC	SL1040	
34	17	08L	A	PAN AFT * LENS T	MOC	SL1041	
34	17	09U		(BLANK)	MOC	043U	
34	17	09L		(BLANK)	MOC	043U	
34	17	10U	A	STL FWD * LENS T	MOC	SL1162	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	17	10L	A	STL LENS * BARREL T	MOC	SL1163	
34	17	11U	A	LASER * CAVITY T	MOC	SL1094	
34	17	11L	A	LASER -5V * ABSENT	MOC	SL1091	
34	17	12U	B	NO LASER * KRY TRIG	MOC	SIM04E	
34	17	12L		(BLANK)	MOC	043U	
34	17	13U	A	PAN LENS * TORQ I	MOC	SL1035	
34	17	13L	A	PAN FMC * TACH V	MOC	SL1037	
34	17	14U	A	PAN * MECH T	MOC	SL1042	
34	17	14L	A	PAN N2 * TANK P	MOC	SL1043	
34	17	15U		(BLANK)	MOC	043U	
34	17	15L	B	MET IMAGE * MOT OFF	MOC	SL1165	
34	17	16U	A	MET T * CASSETTE	MOC	SL1164	
34	17	16L	A	MET SHUT * DISC SPD	MOC	SL1166	
34	17	17U	B	LASER +5V * ABSENT	MOC	SIM05E	
34	17	17L	B	LASER RNG * OVERFLOW	MOC	SIM06E	
34	17	18U		(BLANK)	MOC	043U	
34	17	18L		(BLANK)	MOC	043U	
34	22					043B	23
34	22			(L/EEB CONFIGURATION)		079L	
34	22					043B	
34	22	01U	A	ALPHA * DET T #1	MOC	SL1068	
34	22	01L	A	ALPHA * 6.75V PS	MOC	SL1069	
34	22	02U	A	ALPHA * 6.75V ADC	MOC	SL1074	
34	22	02L	A	ALPHA 5V * DIG PS	MOC	SL1075	
34	22	03U	A	X-RAY * LVPS SUM	MOC	SL1051	
34	22	03L	A	X-RAY * DISC -12V	MOC	SL1053	
34	22	04U	A	X-RAY * LVPS T	MOC	SL1059	
34	22	04L	A	X-RAY * LUN DET T	MOC	SL1060	
34	22	05U	A	GAMMA * DET T	MOC	SL1085	
34	22	05L	A	GAMMA * ELECT T	MOC	SL1086	
34	22	06U		(BLANK)	MOC	043U	
34	22	06L		(BLANK)	MOC	043U	
34	22	07U	A	ALPHA * DET T #2	MOC	SL1070	
34	22	07L	A	ALPHA * LVPS T	MOC	SL1071	
34	22	08U	A	ALPHA * LVPS SUM	MOC	SL1076	
34	22	08L		(BLANK)	MOC	043U	
34	22	09U	A	X-RAY * 6.75V PS	MOC	SL1054	
34	22	09L	A	X-RAY * 5V PS	MOC	SL1055	
34	22	10U	A	X-RAY * SOL DET T	MOC	SL1061	
34	22	10L	R	X-RAY * NO SYNC	MOC	SIM05I	
34	22	11U	B	GAM VETO * DISABLE	MOC	SIM07E	
34	22	11L	B	GAM ZERO * HV STEP	MOC	SIM01E	
34	22	12U		(BLANK)	MOC	043U	
34	22	12L		(BLANK)	MOC	043U	
34	22	13U	A	ALPHA * DET BIAS	MOC	SL1072	
34	22	13L	A	ALPHA * DISC -12V	MOC	SL1073	
34	22	14U		(BLANK)	MOC	043U	
34	22	14L		(BLANK)	MOC	043U	
34	22	15U	A	X-RAY * PROCESS T	MOC	SL1056	
34	22	15L	A	X-RAY * DET T	MOC	SL1057	
34	22	16U		(BLANK)	MOC	043U	
34	22	16L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
34	22	17U	R	GAMMA * NO SYNC	MOC	SIM01I	
34	22	17L		(BLANK)	MOC	043U	
34	22	18U		(BLANK)	MOC	043U	
34	22	18L		(BLANK)	MOC	043U	
34	23					043B	23
34	23			(L/EEB CONFIGURATION)		079L	
34	23					043B	
34	23	01U	W	PAN * CAMERA	R/CIM	041P	
34	23	01L	A	LIMIT * DISABLE	MOC	SIMCAT1	
34	23	02U	W	ALPHA * SPEC	R/CIM	030A	
34	23	02L	A	LIMIT * DISABLE	MOC	SIMCAT3	
34	23	03U	W	SIM * TEMPS	R/CIM	029S	
34	23	03L	A	LIMIT * DISABLE	MOC	SIMCAT7	
34	23	04U	W	MASS * SWEEP	R/CIM	044M	
34	23	04L	A	STRT FLAG * OVERRIDE	MOC	SIM06I	
34	23	05U	W	ALPHA * ACCUM	R/CIM	031A	47
34	23	05L	G	RUN	MOC	SIM03I	47
34	23	06	W	CALC * CLEAR	R/CIM	130C	
34	23	07U	W	MAPPING * CAMERA	R/CIM	051M	
34	23	07L	A	LIMIT * DISABLE	MOC	SIMCAT6	
34	23	08U	W	X-RAY * SPEC	R/CIM	006X	
34	23	08L	A	LIMIT * DISABLE	MOC	SIMCAT2	
34	23	09	W	CAMERA * LASER * LIMIT *	R/CIM	091C	
34	23	09		TAB	R/CIM	091C	
34	23	10	W	MASS * SPEC * LIMIT * TAB	R/CIM	047M	
34	23	11U	W	X-RAY * ACCUM	R/CIM	007X	47
34	23	11L	G	RUN	MOC	SIM04I	47
34	23	12	W	PBI * CLEAR	R/CIM	042P	
34	23	13U	W	LASER * ALTIMETER	R/CIM	093L	
34	23	13L	A	LIMIT * DISABLE	MOC	SIMCAT5	
34	23	14U	W	MASS * SPEC	R/CIM	045M	
34	23	14L	A	LIMIT * DISABLE	MOC	SIMCAT4	
34	23	15	W	X-RAY * ALPHA * LIMIT * TAB	R/CIM	008X	
34	23	16	W	SIM * TEMPS * LIMIT * TAB	R/CIM	030S	
34	23	17U	W	GAMMA * ACCUM	R/CIM	008G	47
34	23	17L	G	RUN	MOC	SIM02I	47
34	23	18	W	ENTER	R/CIM	034E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
36	03	01U	R	LIFT-OFF * NO EVENT	PBI	028LNE	
36	03	01L	A	LIFT-OFF * EVENT	PBI	028LEV	
36	03	02U	R	TWR JETT * NO EVENT	PBI	363NNE	
36	03	02L	A	TWR JETT * EVENT	PBI	363NEV	
36	03	03U	R	S-IVB C/O * NO EVENT	PBI	144SNE	
36	03	03L	G	S-IVB CO * NORMAL	PBI	144SNO	
36	03	04U	R	LES ABRT * NO EVENT	PBI	049LNE	
36	03	04L	A	LES ABRT * EVENT	PBI	049LEV	
36	03	05U	G	ZERO LIFT	PBI	001Z	
36	03	05L	G	HALF LIFT	PBI	001H	
36	03	06U	R	S-IVB ENG * IGN	MOC	SIU01E	
36	03	06L	R	SPS * IGNITION	MOC	CSM01E	
36	03	07U	W	LIFT-OFF * NORMAL	PBI	028L	
36	03	07L	G	LIFT-OFF * RTCC	MOC	028LEV	
36	03	08U	G	TWR * JETT	MOC	C0057-900	
36	03	08L		(BLANK)	MOC	043U	
36	03	09U	B	S-IVB C/O * EVENT	PBI	144SEV	
36	03	09L	W	S-IVB ENG * CUTOFF	MOC	SIU02E	
36	03	10U	G	LES ABORT	MOC	CSM05E	
36	03	10L		(BLANK)	MOC	043U	
36	03	11U	G	MAX LIFT	PBI	030M	
36	03	11L	R	ABORT	PBI	001A	
36	03	12U	R	LM * IGNITION	MOC	LEM27E	
36	03	12L		(BLANK)	MOC	043U	
36	03	13U		(BLANK)	MOC	043U	
36	03	13L		(BLANK)	MOC	043U	
36	03	14U		(BLANK)	MOC	043U	
36	03	14L		(BLANK)	MOC	043U	
36	03	15U		(BLANK)	MOC	043U	
36	03	15L		(BLANK)	MOC	043U	
36	03	16U	B	SLA SEP * EVENT	PBI	211SEV	
36	03	16L	W	SLA SEP * NO EVENT	PBI	211SNE	
36	03	17U	R	HOLD	PBI	017H	
36	03	17L	R	ORBIT	PBI	0140	
36	03	18U	B	THRUST	PBI	179REV	
36	03	18L	W	THRUST * NO EVENT	PBI	179RNE	
36	05	01U	R	GI38B08-1 * LOG FAIL	MOC	ISTB08	
36	05	01L	R	GI38B07-1 * MEM FAIL	MOC	ISTB07	
36	05	02U	R	GI31 * ULL ON	MOC	AGS10E	
36	05	02L	R	GI15B06-1 * ENG ON	MOC	EOFB06	
36	05	03U	R	GI45B11-0 * DPS ON	MOC	DW1B11	
36	05	03L	R	GI45B12-0 * APS ON	MOC	DW1B12	
36	05	04U	B	GI45B09-0 * FOLLOW UP	MOC	DW1B09	
36	05	04L	B	GI45B10-0 * AGS AUTO	MOC	DW1B10	
36	05	05U	R	GI45B13-0 * ABORT CMD	MOC	DW1B13	
36	05	05L	R	GI45B14-0 * ABRT STGD	MOC	DW1B14	
36	05	06U	G	GI44-110 * CALIB	MOC	AGS08E	
36	05	06L	G	GI44-111 * ACCEL CAL	MOC	AGS09E	
36	05	07U	W	GI15-000 * ORBIT INS	MOC	AGS11E	
36	05	07L	W	GI15-001 * CSI	MOC	AGS12E	
36	05	08U	W	GI15-010 * CDH	MOC	AGS13E	
36	05	08L	W	GI15-011 * TPI SRCH	MOC	AGS14E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
36	05	09U	W	GI15-100 * TPI EX	MOC	AGS15E	
36	05	09L	W	GI-15-101 * EXT ΔV	MOC	AGS16E	38
36	05	10U	G	GI44-000 * ATT HOLD	MOC	AGS02E	
36	05	10L	G	GI44-001 * GUID STER	MOC	AGS03E	
36	05	11U	G	GI44-010 * ACQ STER	MOC	AGS04E	
36	05	11L	G	GI44-011 * IMU ALGN	MOC	AGS05E	
36	05	12U	G	GI44-100 * LUN ALGN	MOC	AGS06E	
36	05	12L	G	GI44-101 * BODY ALGN	MOC	AGS07E	
36	05	13U	G	GI45B07-0 * DWLKTM ST	MOC	DW1B07	
36	05	13L	G	GI45B08-0 * OPUTTM ST	MOC	DW1B08	
36	05	14U	W	GI3306X-1 * AGS STBY	MOC	GI3306	
36	05	14L	W	GI3305X-1 * AGS WARMUP	MOC	GI3305	
36	05	15U	W	GH1204X-1 * OUT DET	MOC	GH1204	
36	05	15L	W	GH1629X-1 * P PLS/DIR	MOC	GH1629	
36	05	16U	W	GH1630X-1 * Y PLSD/DIR	MOC	GH1630	
36	05	16L	W	GH1628X-1 * R PLS/DIR	MOC	GH1628	
36	05	17U	W	931C30030 * ENG ARM	MOC	LCH30B03	
36	05	17L	W	GL4028X-0 * AGS FAIL	MOC	GL4028	
36	05	18U		(BLANK)	MOC	043U	
36	05	18L		(BLANK)	MOC	043U	
36	06	01U	R	442F11141 * LR V FAIL	MOC	LFW11B14	
36	06	01L	R	442F11131 * LR H FAIL	MOC	LFW11B13	
36	06	02U	W	942C33060 * ANT POS 1	MOC	LCH33B06	
36	06	02L	G	412F05111 * R77 RUN	MOC	LFW5B11	
36	06	03U	A	POS10R2 * LRPOSFAIL	MOC	LGC36E	
36	06	03L	A	LR/5B8R * NO P63FTP	MOC	LGC39E	
36	06	04U	A	412F05041 * NORRMON	MOC	LFW5B04	
36	06	04L	R	C1202/RM * RR ECERR	MOC	LGC41E	
36	06	05U	W	942C33020 * PWRON/LGC	MOC	LCH33B02	
36	06	05L	R	641R00011 * RR TURNON	MOC	LRMB01	
36	06	06U	R	502K11081 * TRACKER	MOC	LDT11B08	
36	06	06L	R	931C30070 * RCDU FAIL	MOC	LCH30B07	
36	06	07U	A	XORF1115S * LR V DATA	MOC	LGC34E	
36	06	07L	A	XORF1115S * LR H DATA	MOC	LGC35E	
36	06	08U	A	NOTP00/20 * NOLRACT	MOC	LGC37E	
36	06	08L	A	LR/F11080 * NOLR-ASTR	MOC	LGC38E	
36	06	09U	W	931C30060 * DID RQST	MOC	LCH30B06	
36	06	09L	G	422F07111 * LDGDSPENB	MOC	LFW7B11	
36	06	10U	G	402F03091 * R04 RUN	MOC	LFW3B09	
36	06	10L	G	401F02121 * RRDES LOS	MOC	LFW2B12	
36	06	11U	W	641R00151 * CONT DES	MOC	LRMB15	
36	06	11L	W	641R00101 * RR DESIG	MOC	LRMB10	
36	06	12U	R	C12XORC33 * RRZRO ERR	MOC	LGC40E	
36	06	12L	A	XORF00071 * RR DATA	MOC	LGC58E	
36	06	13U	A	392F01111 * NO TERAIN	MOC	LFW1B11	
36	06	13L	W	942C33090 * LR RNG LO	MOC	LCH33B09	
36	06	14U	A	442F11101 * LR REPOS	MOC	LFW11B10	
36	06	14L	W	942C33070 * ANT POS 2	MOC	LCH33B07	
36	06	15U	W	392F01141 * DIDFLAG	MOC	LFW1B14	
36	06	15L	G	391F00021 * R10 HHDOT	MOC	LFW0B02	
36	06	16U	A	401F02141 * RR SEARCH	MOC	LFW2B14	
36	06	16L	A	641R00141 * RR REMODE	MOC	LRMB14	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
36	06	17U	R	641R00111 * RR REPOS	MOC	LRMB11	
36	06	17L	W	641R00121 * RR MODE 2	MOC	LRMB12	
36	06	18U	W	912C12141 * TRACK EN	MOC	LCH12B14	
36	06	18L	W	942C33030 * RR RNG LO	MOC	LCH33B03	
36	11	01U	R	941C32100 * TRIM FAIL	MOC	LCH32B10	
36	11	01L	W	941C32090 * GMBL OFF	MOC	LCH32B09	
36	11	02U	A	C31B12-7R * TRANS ON	MOC	LGC55E	
36	11	02L	A	642D00061 * ULL RQST	MOC	LDBB06	
36	11	03U	W	422F07061 * AVG G ON	MOC	LFW7B06	
36	11	03L	R	PGNCS MODE * OFF	MOC	LGC20E	
36	11	04U	G	422F07121 * CREWREADY	MOC	LFW7B12	
36	11	04L	W	422F07131 * IGNFLAG	MOC	LFW7B13	
36	11	05U	W	932C31130 * ATT HOLD	MOC	LCH31B13	
36	11	05L	G	932C31140 * AUTO MODE	MOC	LCH31B14	
36	11	06U	B	642D00021 * RATE2/10	MOC	LDBB02	
36	11	06L	B	642D00011 * RATE.5/10	MOC	LDBB01	
36	11	07U	A	642D00091 * XOVINHIB	MOC	LDBB09	
36	11	07L	A	LR/F06061 * REDES ENB	MOC	LGC57E	
36	11	08U	A	412F05131 * NO U-VJET	MOC	LFW5B13	
36	11	08L	A	LGC16E * RCS DSABL	MOC	LGC16E	
36	11	09U	G	422F07070 * DV MON ON	MOC	LFW7B07	
36	11	09L	G	401F02081 * XDELVGUID	MOC	LFW2B08	
36	11	10U	A	AVG/2B11R * STEER OFF	MOC	LGC44E	
36	11	10L	A	401F02091 * MINIMPBRN	MOC	LFW2B09	
36	11	11U	R	931C30101 * AGS SEL	MOC	LCH30B10	
36	11	11L	R	812I33061 * NODAP IMU	MOC	LIM33B06	
36	11	12U	B	642D00110 * 2J TRN RQ	MOC	LDBB11	
36	11	12L	G	642D00131 * CM DOCKED	MOC	LDBB13	
36	11	13U	W	642D00151 * MIN IMP	MOC	LDBB15	
36	11	13L	A	GH1204X-1 * OUT DET	MOC	GH1204	
36	11	14U	G	922C14041 * THRUST DR	MOC	LCH14B04	
36	11	14L	G	LGC17E * GIMB DRIV	MOC	LGC17E	
36	11	15U	W	931C30051 * MAN TRTL	MOC	LCH30B05	
36	11	15L	A	931C30030 * ENG ARM	MOC	LCH30B03	
36	11	16U	A	911C11131 * ENG ON	MOC	LCH11B13	
36	11	16L	A	911C11140 * NO ENGOFF	MOC	LCH11B14	
36	11	17U	W	391F00151 * NEEDLRATE	MOC	LFW0B15	
36	11	17L	B	391F00041 * TOT ERROR	MOC	LFW0B04	
36	11	18U	B	642D00040 * DB 5/.3	MOC	LDBB04	
36	11	18L	B	642D00050 * DB 1/.3	MOC	LDBB05	
36	16	01U	R	412F05031 * NO SOLN	MOC	LFW5B03	
36	16	01L	W	F0B7/1B5S * P20 TRACK	MOC	LGC48E	
36	16	02U	W	432F09081 * ASCDPSAPS	MOC	LFW9B08	
36	16	02L	A	432F09061 * ASCROTATN	MOC	LFW9B06	
36	16	03U	R	931C30010 * ABORT CMD	MOC	LCH30B01	
36	16	03L	R	931C30040 * ABRT STG	MOC	LCH30B04	
36	16	04U	A	432F09021 * MIDAVINTG	MOC	LFW9B02	
36	16	04L	R	LEM31E * LBR	MOC	LEM31E	
36	16	05U	A	INTG/3B3S * CSM VECT	MOC	LGC52E	
36	16	05L	A	INTG/3B3R * LM VECT	MOC	LGC53E	
36	16	06U	A	INTG/3B4S * CONIC INTG	MOC	LGC54E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
36	16	06L	W	402F03081 * PREC INTG	MOC	LFW3B08	
36	16	07U	A	F0B7/1B5R * P20 IDLE	MOC	LGC49E	
36	16	07L	W	P2X UPDT * WRONG VEC	MOC	LGC51E	
36	16	08U	A	432F09121 * ASCPOSCON	MOC	LFW9B12	
36	16	08L	A	432F09141 * VERT RISE	MOC	LFW9B14	
36	16	09U	A	432F09091 * ABTPROENB	MOC	LFW9B09	
36	16	09L	W	432F09131 * ASC ABORT	MOC	LFW9B13	
36	16	10U	W	432F09030 * MIDAVE FL	MOC	LFW9B03	
36	16	10L	W	432F09071 * ABTTGJ2K2	MOC	LFW9B07	
36	16	11U	R	391F00131 * MIDFLAG	MOC	LFW0B13	
36	16	11L	A	REFERENCE * MISMATCH	MOC	LGC59E	
36	16	12U	A	402F03051 * STATE UPD	MOC	LFW3B05	
36	16	12L	W	402F03011 * WMAT INTG	MOC	LFW3B01	
36	16	13U	A	F0B7/1B7R * P20NOUPDT	MOC	LGC50E	
36	16	13L	W	392F01061 * V95NOUPDT	MOC	LFW1B06	
36	16	14U	G	401F02071 * EL/SOIOPT	MOC	LFW2B07	
36	16	14L	W	401F02061 * FINALFLG	MOC	LFW2B06	
36	16	15U	W	441F10131 * ASCENT	MOC	LFW10B13	
36	16	15L	R	STAGE/ASC * MISMATCH	MOC	LGC60E	
36	16	16U	A	391F00011 * P66STEER	MOC	LFW0B01	
36	16	16L	A	XORP20 * RENDWMATX	MOC	LGC42E	
36	16	17U	B	431F08121 * CMOONFLG	MOC	LFW8B12	
36	16	17L	B	431F08111 * LMOONFLG	MOC	LFW8B11	
36	16	18U	A	431F08081 * SURFFLAG	MOC	LFW8B08	
36	16	18L	A	402F03150 * NOPOOINTG	MOC	LFW3B15	
36	18	01U	R	911C11011 * ISS WARN	MOC	LCH11B01	
36	18	01L	R	931C30130 * IMU FAIL	MOC	LCH30B13	
36	18	02U	R	931C30091 * NOIMUOPER	MOC	LCH30B09	
36	18	02L	A	811I30061 * IMU INTL	MOC	LIM30B06	
36	18	03U	R	931C30140 * T/ON RQST	MOC	LCH30B14	
36	18	03L	R	502K11041 * NO ATT	MOC	LDT11B04	
36	18	04U	A	DUTY CYCLE * AT 100%	MOC	LGC56E	
36	18	04L	G	422F07031 * VERIFLG	MOC	LFW7B03	
36	18	05U	W	911C11061 * FLASH	MOC	LCH11B06	
36	18	05L	W	411F04131 * NRMIDFLG	MOC	LFW4B13	
36	18	06U	R	422F07041 * KKK FAIL	MOC	LFW7B04	
36	18	06L	A	911C11031 * UPL ACTV	MOC	LCH11B03	
36	18	07U	R	931C30120 * ICDU FAIL	MOC	LCH30B12	
36	18	07L	R	942C33130 * PIPA FAIL	MOC	LCH33B13	
36	18	08U	R	931C30151 * TEMP CAUT	MOC	LCH30B15	
36	18	08L	R	931C30110 * IMU CAGE	MOC	LCH30B11	
36	18	09U	R	402F03130 * NO REFSM	MOC	LFW3B13	
36	18	09L	A	401F02150 * NO DRIFT	MOC	LFW2B15	
36	18	10U	R	C77B1-9S * CHAN 77	MOC	LGC43E	
36	18	10L	A	411F04061 * PINBRFLG	MOC	LFW4B06	
36	18	11U	A	F04B14+15 * PRIO MARK	MOC	LGC45E	
36	18	11L	R	DISPLAY * OVERLAYED	MOC	LGC46E	
36	18	12U	A	911C11051 * KEY REL	MOC	LCH11B05	
36	18	12L	A	F04B9+8+7 * INTERNAL	MOC	LGC47E	
36	18	13U	R	502K11061 * GMBL LOCK	MOC	LDT11B06	
36	18	13L	R	912C12041 * COAR ALGN	MOC	LCH12B04	
36	18	14U	W	391F00080 * NO IMUSE	MOC	LFW0B08	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
36	18	14L	A	912C12060 * IMUEC DIS	MOC	LCH12B06	
36	18	15U	A	922C14101 * GY ACTV	MOC	LCH14B10	
36	18	15L	R	912C12051 * ICDU ZRO	MOC	LCH12B05	
36	18	16U	A	401F02011 * NO V37	MOC	LFW2B01	
36	18	16L	R	921C13111 * LGC STBY	MOC	LCH13B11	
36	18	17U	R	502K11091 * PROG CAUT	MOC	LDT11B09	
36	18	17L	R	911C11071 * OPR ERROR	MOC	LCH11B07	
36	18	18U	W	911C11101 * CAUT RSET	MOC	LCH11B10	
36	18	18L	R	811I30051 * PIP ALMIH	MOC	LIM30B05	
36	19	01		LGC DSKY * SUMM 68*MSK 1630	R/CIM	072L	
36	20					043B	23
36	20	01U	W	502K11011 * PRIO DISP	MOC	LDT11B01	
36	20	01L	A	502K11021 * NO CONT	MOC	LDT11B02	
36	20	02U	R	GG9001X-1 * LGC WARN	MOC	GG9001	
36	20	02L	R	942C33140 * LGC WARN	MOC	LCH33B14	
36	20	03U	W	892C6M031 * A1F 15 MZ	MOC	LCH6MB03	
36	20	03L	W	892C6M081 * B1L 16 PY	MOC	LCH6MB08	
36	20	04U	W	891C5M081 * B1D 14 PX	MOC	LCH5MB08	
36	20	04L	W	891C5M071 * A1U 13 MX	MOC	LCH5MB07	
36	20	05U	W	891C5M021 * A4D 02 PX	MOC	LCH5MB02	
36	20	05L	W	891C5M011 * B4U 01 MX	MOC	LCH5MB01	
36	20	06U	W	892C6M021 * B4F 03 MZ	MOC	LCH6MB02	
36	20	06L	W	892C6M071 * A4R 04 MY	MOC	LCH6MB07	
36	20	07U	R	642D00030 * ACCEL N/G	MOC	LDBB03	
36	20	07L	W	642D00121 * RATE CMD	MOC	LDBB12	
36	20	08U	R	GG1523X-0 * NOLGC OP	MOC	GG1523	
36	20	08L	R	921C13101 * TST ALARM	MOC	LCH13B10	
36	20	09U	W	892C6M051 * B2L 12 PY	MOC	LCH6MB05	
36	20	09L	W	892C6M041 * A2A 11 PZ	MOC	LCH6MB04	
36	20	10U	W	891C5M051 * B2U 09 MX	MOC	LCH5MB05	
36	20	10L	W	891C5M061 * A2D 10 PX	MOC	LCH5MB06	
36	20	11U	W	891C5M031 * A3U 05 MX	MOC	LCH5MB03	
36	20	11L	W	891C5M041 * B3D 06 PX	MOC	LCH5MB04	
36	20	12U	W	892C6M061 * A3R 08 MY	MOC	LCH6MB06	
36	20	12L	W	892C6M011 * B3A 07 PZ	MOC	LCH6MB01	
36	20	13U	W	431F08021 * P57 PASS1	MOC	LFW8B02	
36	20	13L	G	421F06011 * ATTFLAG	MOC	LFW6B01	
36	20	14U	W	LGC63E * AGS RR TF	MOC	LGC63E	
36	20	14L	R	LGC64E * RR TF ERR	MOC	LGC64E	
36	20	15U	A	621CWD131 * AUTO/OFF	MOC	LCHWB13	
36	20	15L	A	621CWD141 * HOLD/OFF	MOC	LCHWB14	
36	20	16U	A	621CWD101 * PGNS OVRD	MOC	LCHWB10	
36	20	16L	A	621CWD111 * AGS OVRD	MOC	LCHWB11	
36	20	17U	A	621CWD011 * ABRT INHB	MOC	LCHWB01	
36	20	17L	A	621CWD041 * THRT OVRD	MOC	LCHWB04	
36	20	18U		(BLANK)	MOC	043U	
36	20	18L	R	FLAG	MOC	617F	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
37	03					043B	23
37	03	01U	A	CH OVRIDE * F31NONZRO	MOC	AGC41E	
37	03	01L	G	SCS CONT * 701F3115S	MOC	CW31B15	
37	03	02U	R	CMC WARN * CG5040X R	MOC	CG5040	
37	03	02L	R	CMC WARN * 942C3314R	MOC	CH33B14	
37	03	03U	R	S-IVB INJ * 912C1213S	MOC	CH12B13	
37	03	03L	B	MULT CSI * 772F1106S	MOC	FW11B06	
37	03	04U	G	P31 TARG * 772F1107S	MOC	FW11B07	
37	03	04L	G	P36 TARG * 771F1001S	MOC	FW10B01	
37	03	05U	W	REINTFLG * 771F10071	MOC	FW10B07	
37	03	05L	A	MNKEY OFF * F0B7/10B7	MOC	AGC40E	
37	03	06U	W	UT TRACK * F8B9/1B5S	MOC	AGC38E	
37	03	06L	A	UT IDLE * F8B9/1B5R	MOC	AGC39E	
37	03	07U	G	FREE/AUTO * 701F3113S	MOC	CW31B13	
37	03	07L	G	HOLD/AUTO * 701F3114S	MOC	CW31B14	
37	03	08U	R	NOCMC+28V * CG1523X R	MOC	CG1523	
37	03	08L	R	TST ALARM * 921C1310S	MOC	CH13B10	
37	03	09U	G	RNDWOK * 422F0501S	MOC	FW5B01	
37	03	09L	B	V57 PART * 771F1002S	MOC	FW10B02	
37	03	10U	W	P20 EXIT * 771F1015S	MOC	FW10B15	
37	03	10L	W	SAT V46 E * 401F0004S	MOC	FW0B04	
37	03	11U	B	CSM ACTVE * 411F0205R	MOC	FW2B05	
37	03	11L	B	MKYHDSDWN * 771F1011R	MOC	FW10B11	
37	03	12U	G	P20 3AXIS * 772F1108S	MOC	FW11B08	
37	03	12L	W	UT ROTAIN * 441F0802S	MOC	FW8B02	
37	03	13U	G	OP ZRO/MN * 701F3105S	MOC	CW31B05	
37	03	13L	G	OP CMC/MN * 701F3104S	MOC	CW31B04	
37	03	14U		(BLANK)	MOC	043U	
37	03	14L		(BLANK)	MOC	043U	
37	03	15U	B	P34 FINAL * 771F1003S	MOC	FW10B03	
37	03	15L	B	P35 FINAL * 771F1008S	MOC	FW10B08	
37	03	16U	W	NO MARKS * 771F1005S	MOC	FW10B05	
37	03	16L	G	PT V93 * 771F1004S	MOC	FW10B04	
37	03	17U	W	R22 OPTCS * 442F0907S	MOC	FW9B07	
37	03	17L	A	R22MKREJ * 771F1012S	MOC	FW10B12	
37	03	18U	G	POOINTENB * 412F03091	MOC	FW3B09	
37	03	18L	R	P01 ENBL * 402F0112R	MOC	FW1B12	
37	04	01U	R	NOSOLNSW * 422F0503S	MOC	FW5B03	
37	04	01L	W	P20TRACK * F0B7/1B5S	MOC	AGC19E	
37	04	02U	R	CSM EVENTS * PLAYBACK	MOC	600PA	
37	04	02L	A	TLM ACCPT * 942C3310S	MOC	CH33B10	
37	04	03U	A	LATLNGREF * MISMATCH	MOC	AGC35E	
37	04	03L	A	V82REF * MISMATCH	MOC	AGC36E	
37	04	04U	A	MIDAVFLG * 442F0902S	MOC	FW9B02	
37	04	04L	R	LBR * CT0120X	MOC	CSM03E	
37	04	05U	A	CSM VECT * INTG/3B3S	MOC	AGC23E	
37	04	05L	A	LM VECT * INTG/3B3R	MOC	AGC24E	
37	04	06U	A	CONICINTG * INTG/3B4S	MOC	AGC25E	
37	04	06L	W	PRECIFLG * 412F0308S	MOC	FW3B08	
37	04	07U	A	P20IDLE * F0B7/1B5R	MOC	AGC20E	
37	04	07L	W	P2X UPDT * WRONG VEC	MOC	AGC22E	
37	04	08U	R	FLAG	MOC	615F	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
37	04	08L	R	BL INLINK * 921C1306S	MOC	CH13B06	
37	04	09U	R	IDLEFLAG * 402F0106S	MOC	FW1B06	
37	04	09L	A	PREF ATT * 411F0204S	MOC	FW2B04	
37	04	10U	W	MIDAVE FL * 442F0903R	MOC	FW9B03	
37	04	10L	G	WDIMEN 9 * 412F0302S	MOC	FW3B02	
37	04	11U	W	MIDFLAG * 401F0013S	MOC	FW0B13	
37	04	11L	A	REFERENCE * MISMATCH	MOC	AGC37E	
37	04	12U	A	STATE UP * 412F0305S	MOC	FW3B05	
37	04	12L	W	WMATINTG * 412F0301S	MOC	FW3B01	
37	04	13U	A	P20NOUPDT * F0B7/1B7R	MOC	AGC21E	
37	04	13L	W	P20 3AXIS * 772F1108S	MOC	FW11B08	
37	04	14U	G	ELI/OPTN * 411F0207S	MOC	FW2B07	
37	04	14L	W	FINAL FLG * 411F0206S	MOC	FW2B06	
37	04	15U	R	NO CN SOL * 441F0807S	MOC	FW8B07	
37	04	15L	R	COGA OV * 441F0804S	MOC	FW8B04	
37	04	16U	G	ORBWOK * 412F0306S	MOC	FW3B06	
37	04	16L	A	RENDWMATX * XORP20	MOC	AGC31E	
37	04	17U	B	CMOONFLG * 441F0812S	MOC	FW8B12	
37	04	17L	B	LMOONFLG * 441F0811S	MOC	FW8B11	
37	04	18U	A	SURFFLAG * 441F0808S	MOC	FW8B08	
37	04	18L	R	V96ONFLG * 441F0803S	MOC	FW8B03	
37	13	01U	R	ISS WARN * 911C1101S	MOC	CH11B01	
37	13	01L	R	IMU FAIL * 931C3013R	MOC	CH30B13	
37	13	02U	R	NOIMUOPER * 931C3009S	MOC	CH30B09	
37	13	02L	A	IMU INTL * 901I3006S	MOC	IM30B06	
37	13	03U	R	ISS TN ON * 931C3014R	MOC	CH30B14	
37	13	03L	R	NO ATT * 502K1104S	MOC	DT11B04	
37	13	04U	G	COMP ACTV * 911C1102S	MOC	CH11B02	
37	13	04L	G	VERIF * 432F0703S	MOC	FW7B03	
37	13	05U	W	FLASH * 911C1106S	MOC	CH11B06	
37	13	05L	W	NRMIDFLG * 421F0413S	MOC	FW4B13	
37	13	06U	R	KKK FAIL * 432F0704S	MOC	FW7B04	
37	13	06L	A	UPL ACTV * 911C1103S	MOC	CH11B03	
37	13	07U	R	ICDU FAIL * 931C3012R	MOC	CH30B12	
37	13	07L	R	PIPA FAIL * 942C3313R	MOC	CH33B13	
37	13	08U	R	IMU TEMP * 931C3015S	MOC	CH30B15	
37	13	08L	R	IMU CAGE * 931C3011R	MOC	CH30B11	
37	13	09U	R	NO REFSM * 412F0313R	MOC	FW3B13	
37	13	09L	A	NO DRIFT * 411F0215R	MOC	FW2B15	
37	13	10U	R	CHAN 77 * C77B1-9S	MOC	AGC32E	
37	13	10L	A	PIN BR * 421F0406S	MOC	FW4B06	
37	13	11U	A	PR10 MARK * F04B14+15	MOC	AGC16E	
37	13	11L	R	DISPLAY * OVERLAYED	MOC	AGC17E	
37	13	12U	A	KEY REL * 911C1105S	MOC	CH11B05	
37	13	12L	A	INTERNAL * F04B9+8+7	MOC	AGC18E	
37	13	13U	R	GMBL LOCK * 502K1106S	MOC	DT11B06	
37	13	13L	R	COAR ALGN * 912C1204S	MOC	CH12B04	
37	13	14U	W	NO IMUSE * 401F0008R	MOC	FW0B08	
37	13	14L	A	IMUEC DIS * 912C1206R	MOC	CH12B06	
37	13	15U	A	GY ACT * 922C1410S	MOC	CH14B10	
37	13	15L	R	ICDU ZERO * 912C1205S	MOC	CH12B05	
37	13	16U	A	NO V37 * 411F0201S	MOC	FW2B01	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
37	13	16L	R	EN STBY * 921C1311S	MOC	CH13B11	
37	13	17U	R	PGM CAUT * 502K1109S	MOC	DT11B09	
37	13	17L	R	OPR ERR * 911C1107S	MOC	CH11B07	
37	13	18U	W	CAUT RSET * 911C1110S	MOC	CH11B10	
37	13	18L	R	PIPFL INB * 901I3005S	MOC	IM30B05	
37	15	01U	A	SAT TKOVR * 931C3010R	MOC	CH30B10	
37	15	01L	A	IVB TK/EN * 912C1209S	MOC	CH12B09	
37	15	02U	A	THC ACTV * C31B12-7R	MOC	AGC30E	
37	15	02L	B	AC ROLL * 822D0213S	MOC	DD2B13	
37	15	03U	A	TVC/OF DP * 431F0614R	MOC	FW6B14	
37	15	03L	W	TVC/ST DP * 431F0615S	MOC	FW6B15	
37	15	04U	G	CREWREADY * 432F0712S	MOC	FW7B12	
37	15	04L	A	IGN FLAG * 432F0713S	MOC	FW7B13	
37	15	05U	W	DAP HOLD * 932C3113R	MOC	CH31B13	
37	15	05L	A	DAP FREE * 932C3114R	MOC	CH31B14	
37	15	06U	B	RO.2/2.0 * 821D0101S	MOC	DD1B01	
37	15	06L	B	RO.5/2.0 * 821D0102S	MOC	DD1B02	
37	15	07U	G	CMC L/O * 931C3005R	MOC	CH30B05	
37	15	07L	G	BKUPLO * 422F0505S	MOC	FW5B05	
37	15	08U	A	QUAD A FL * 822D0210R	MOC	DD2B10	
37	15	08L	A	QUAD B FL * 822D0207R	MOC	DD2B07	
37	15	09U	W	AVER RUN * 432F0706S	MOC	FW7B06	
37	15	09L	G	XDELV * 411F0208S	MOC	FW2B08	
37	15	10U	A	STEER OFF * AVG/2B11R	MOC	AGC34E	
37	15	10L	A	TGOKNOW * 411F0209S	MOC	FW2B09	
37	15	11U	A	SCS CONT * 932C3115S	MOC	CH31B15	
37	15	11L	R	NODAP IMU * 902I3306S	MOC	IM33B06	
37	15	12U	B	2 JET RCS * 402F0115S	MOC	FW1B15	
37	15	12L	G	LM ATTCH * 432F0702S	MOC	FW7B02	
37	15	13U	W	STIK FLAG * 402F0114S	MOC	FW1B14	
37	15	13L	G	KM3 AXIS * 422F0506S	MOC	FW5B06	
37	15	14U	A	QUAD C FL * 822D0204R	MOC	DD2B04	
37	15	14L	A	QUAD D FL * 822D0201R	MOC	DD2B01	
37	15	15U	A	TVC SWO * 442F0915S	MOC	FW9B15	
37	15	15L	G	CMC BURN * 771F1010S	MOC	FW10B10	
37	15	16U	A	ENG ON * 911C1113S	MOC	CH11B13	
37	15	16L	W	TVC ENABL * 912C1208S	MOC	CH12B08	
37	15	17U	B	N22ERNDS * 442F0906S	MOC	FW9B06	
37	15	17L	B	NDLTOTAT * 401F0009S	MOC	FW0B09	
37	15	18U	B	DAP DB.5 * 821D0104R	MOC	DD1B04	
37	15	18L	W	KAL ENBL * 802H0015S	MOC	HFLB15	
37	16	01		CMC DSKY * SUMM 66*MSK 1633	R/CIM	099C	
37	17	01U	G	ENT DAPGO * 431F0602S	MOC	FW6B02	
37	17	01L	G	CMDAP ARM * 431F0612S	MOC	FW6B12	
37	17	02U	G	P23 CALIB * 422F0512S	MOC	FW5B12	
37	17	02L	G	AUTO V87 * 771F1009S	MOC	FW10B09	
37	17	03U	A	NOVHF/P20 * F0B7/2B10	MOC	AGC33E	
37	17	03L	W	VHFRFLAG * 442F0909S	MOC	FW9B09	
37	17	04U	W	TIMRFLAG * 432F0711S	MOC	FW7B11	
37	17	04L	G	TERMI FLG * 432F0715S	MOC	FW7B15	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
37	17	05U	W	OPT 28VAC * CG1533X	MOC	CG1533	
37	17	05L	R	OCDU FAIL * 8010PT07R	MOC	OPMB07	
37	17	06U	R	TRACKER * 502K1108S	MOC	DT11B08	
37	17	06L	R	OCDU FAIL * 931C3007R	MOC	CH30B07	
37	17	07U	W	PRFTRKAT * 422F0510S	MOC	FW5B10	
37	17	07L	W	P24 RUN * 442F0914S	MOC	FW9B14	
37	17	08U	G	V94FLAG * 442F0911S	MOC	FW9B11	
37	17	08L	W	P23FARHOR * 401F0011S	MOC	FW0B11	
37	17	09U	W	VHF SORCE * 442F0908S	MOC	FW9B08	
37	17	09L	A	VHF DATA * XORP20	MOC	AGC29E	
37	17	10U	G	OPT ZERO * C33B5/4R	MOC	AGC26E	
37	17	10L	G	R21 MARK * 411F0214S	MOC	FW2B14	
37	17	11U	W	OPT MAN * C33B4/5S	MOC	AGC27E	
37	17	11L	W	OPT CMC * C33B4/5R	MOC	AGC28E	
37	17	12U	R	DIS 0 DAC * 912C1211S	MOC	CH12B11	
37	17	12L	G	OPT EC EN * 912C1202S	MOC	CH12B02	
37	17	13U	W	P24MARK * 411F0203S	MOC	FW2B03	
37	17	13L	A	P24LMKUPD * 441F0814S	MOC	FW8B14	
37	17	14U	W	P22/24MRK * 412F0311S	MOC	FW3B11	
37	17	14L	W	FST INCPR * 422F0511S	MOC	FW5B11	
37	17	15U	G	LNDKN/EG * 431F0608S	MOC	FW6B08	
37	17	15L	A	ADVTRK * 441F0810S	MOC	FW8B10	
37	17	16U	B	LM TRG * 402F0110S	MOC	FW1B10	
37	17	16L	B	LMK/R23 * 402F0109S	MOC	FW1B09	
37	17	17U	A	ZER OP PR * 8010PT03S	MOC	OPMB03	
37	17	17L	R	NO OPTZRO * 8010PT10R	MOC	OPMB10	
37	17	18U	A	OCDU F IN * 8010PT02S	MOC	OPMB02	
37	17	18L	W	TRM03FLG * 402F0104S	MOC	FW1B04	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
42	16					043B	65
42	16					043B	
42	16	01	W	TELCO * PRIMARY	PBI	022T	
42	16	02	W	TELCO * SECONDARY	PBI	022T	
42	16	03	W	COLOR * CONVERTER	PBI	085C	
42	16	04	W	COLOR * VTR 1 OUT	PBI	086C	
42	16	05	W	TELCO * PRIMARY	PBI	022T	
42	16	06	W	TELCO * SECONDARY	PBI	022T	
42	16	07	W	COLOR * CONVERTER	PBI	085C	
42	16	08	W	COLOR * VTR 1 OUT	PBI	086C	
42	16					043B	65
42	16					043B	
42	16	09	W	TELCO * PRIMARY	PBI	022T	
42	16	10	W	TELCO * SECONDARY	PBI	022T	
42	16	11	W	COLOR * CONVERTER	PBI	085C	
42	16	12	W	COLOR * VTR 1 OUT	PBI	086C	
42	16	13	W	TELCO * PRIMARY	PBI	022T	
42	16	14	W	TELCO * SECONDARY	PBI	022T	
42	16	15	W	COLOR * CONVERTER	PBI	085C	
42	16	16	W	COLOR * VTR 1 OUT	PBI	086C	
42	16			(CAPE KENNEDY)		233C	65
42	16					043B	
42	16	17	W	COLOR * CAMERA	PBI	084C	
42	16	18	W	FOD * VTR	PBI	011F	
42	16	19	W	PAO * VTR	PBI	058P	
42	16	20	W	PAO * RETURN	PBI	060P	
42	16	21	W	STANDARDS * CONVERT 1	PBI	024S	
42	16	22	W	STANDARDS * CONVERT 2	PBI	024S	
42	16	23	W	PATCH * PANEL	PBI	061P	
42	16			(MSC HQTRS)		136M	65
42	16					043B	
42	16	24	W	COLOR * CAMERA	PBI	084C	
42	16	25	W	FOD * VTR	PBI	011F	
42	16	26	W	PAO * VTR	PBI	058P	
42	16	27	W	PAO * RETURN	PBI	060P	
42	16	28	W	STANDARDS * CONVERT 1	PBI	024S	
42	16	29	W	STANDARDS * CONVERT 2	PBI	024S	
42	16	30	W	PATCH * PANEL	PBI	061P	
42	16					043B	65
42	16					043B	
42	16	31		(BLANK)	PBI	043U	
42	16	32		(BLANK)	PBI	043U	
42	16	33		(BLANK)	PBI	043U	
42	16	34		(BLANK)	PBI	043U	
42	16	35		(BLANK)	PBI	043U	
42	16	36		(BLANK)	PBI	043U	
42	16	37		(BLANK)	PBI	043U	
42	16			(FDO AUDITORIUM)		118F	65
42	16					043B	
42	16	38	W	COLOR * CAMERA	PBI	084C	
42	16	39	W	FOD * VTR	PBI	011F	
42	16	40	W	PAO * VTR	PBI	058P	
42	16	41	W	PAO * RETURN	PBI	060P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
42	16	42	W	STANDARDS * CONVERT 1	PBI	024S	
42	16	43	W	STANDARDS * CONVERT 2	PBI	024S	
42	16	44	W	PATCH * PANEL	PBI	061P	
42	16			OVHD MON		015O	
42	16					043B	
42	16	45	W	COLOR * CAMERA	PBI	084C	
42	16	46	W	FOD * VTR	PBI	011F	
42	16	47	W	PAO * VTR	PBI	058P	
42	16	48	W	PAO * RETURN	PBI	060P	
42	16	49	W	STANDARDS * CONVERT 1	PBI	024S	
42	16	50	W	STANDARDS * CONVERT 2	PBI	024S	
42	16	51	W	PATCH * PANEL	PBI	061P	
42	19	01	W	COLOR * CONVERTER	PBI	085C	
42	19	02	W	FOD * VTR * OUTPUT	PBI	117F	
42	19	03	W	COLOR * CAMERA	PBI	084C	
42	19	04	W	REAR * CAMERA	PBI	030R	
42	19	05	W	MAP * CAMERA	PBI	035M	
42	19	06	W	FRONT * CAMERA	PBI	012F	
42	19	07	W	COLOR CNVT * CHAN A	PBI	085C	
42	19	08	W	COLOR CNVT * CHAN B	PBI	085C	
42	19	09	W	SPECIAL * EFFECTS	PBI	327S	
42	19	10	W	STANDARDS * CONVERT 1	PBI	024S	
42	19	11	W	STANDARDS * CONVERT 2	PBI	024S	
42	19	12	W	STANDARDS * CONVERT 3	PBI	024S	
42	19	13	W	TELCO * PRIMARY	PBI	022T	
42	19	14	W	TELCO * SECONDARY	PBI	022T	
42	19	15	W	TV * TIME	PBI	105T	
42	19	16	W	PAO * RETURN	PBI	060P	
42	19	17	W	SYNC * BLACK	PBI	328S	
42	19	18	W	PATCH * PANEL	PBI	061P	
42	20	01	W	COLOR * CONVERTER	PBI	085C	
42	20	02	W	PAO * VTR * OUTPUT	PBI	058P	
42	20	03	W	COLOR * CAMERA	PBI	084C	
42	20	04	W	REAR * CAMERA	PBI	030R	
42	20	05	W	MAP * CAMERA	PBI	035M	
42	20	06	W	FRONT * CAMERA	PBI	012F	
42	20	07	W	COLOR CNVT * CHAN A	PBI	085C	
42	20	08	W	COLOR CNVT * CHAN B	PBI	085C	
42	20	09	W	SPECIAL * EFFECTS	PBI	327S	
42	20	10	W	STANDARDS * CONVERT 1	PBI	024S	
42	20	11	W	STANDARDS * CONVERT 2	PBI	024S	
42	20	12	W	STANDARDS * CONVERT 3	PBI	024S	
42	20	13	W	TELCO * PRIMARY	PBI	022T	
42	20	14	W	TELCO * SECONDARY	PBI	022T	
42	20	15	W	TV * TIME	PBI	105T	
42	20	16	W	PAO * RETURN	PBI	060P	
42	20	17	W	SYNC * BLACK	PBI	328S	
42	20	18	W	PATCH * PANEL	PBI	061P	
42	21	01	W	COLOR * CONVERTER	PBI	085C	
42	21	02	W	COLOR * VTR 1	PBI	086C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
42	21	03	W	COLOR * CAMERA	PBI	084C	
42	21	04	W	REAR * CAMERA	PBI	030R	
42	21	05	W	MAP * CAMERA	PBI	035M	
42	21	06	W	FRONT * CAMERA	PBI	012F	
42	21	07	W	PAO * VTR	PBI	058P	
42	21	08	W	FOD * VTR	PBI	011F	
42	21	09	W	SPECIAL * EFFECTS	PBI	327S	
42	21	10	W	STANDARDS * CONVERT 1	PBI	024S	
42	21	11	W	STANDARDS * CONVERT 2	PBI	024S	
42	21	12	W	STANDARDS * CONVERT 3	PBI	024S	
42	21	13	W	TELCO * PRIMARY	PBI	022T	
42	21	14	W	TELCO * SECONDARY	PBI	022T	
42	21	15	W	TV * TIME	PBI	105T	
42	21	16	W	PAO * RETURN	PBI	060P	
42	21	17	W	SYNC * BLACK	PBI	328S	
42	21	18	W	PATCH * PANEL	PBI	061P	
42	22	01	W	COLOR * CONVERTER	PBI	085C	
42	22	02	W	COLOR * VTR 1	PBI	086C	
42	22	03	W	COLOR * CAMERA	PBI	084C	
42	22	04	W	REAR * CAMERA	PBI	030R	
42	22	05	W	MAP * CAMERA	PBI	035M	
42	22	06	W	FRONT * CAMERA	PBI	012F	
42	22	07	W	TELCO * PRIMARY	PBI	022T	
42	22	08	W	TELCO * SECONDARY	PBI	022T	
42	22	09	W	SPECIAL * EFFECTS	PBI	327S	
42	22	10	W	STANDARDS * CONVERT 1	PBI	024S	
42	22	11	W	COLOR CNVT * CHAN A	PBI	085C	
42	22	12	W	COLOR CNVT * CHAN B	PBI	085C	
42	23	01	W	COLOR * CONVERTER	PBI	085C	
42	23	02	W	COLOR * VTR 1	PBI	086C	
42	23	03	W	FOD * VTR * OUTPUT	PBI	117F	
42	23	04	W	REAR * CAMERA	PBI	030R	
42	23	05	W	MAP * CAMERA	PBI	035M	
42	23	06	W	FRONT * CAMERA	PBI	012F	
42	23	07	W	TELCO * PRIMARY	PBI	022T	
42	23	08	W	TELCO * SECONDARY	PBI	022T	
42	23	09	W	PAO * VTR * OUTPUT	PBI	058P	
42	23	10	W	SPECIAL * EFFECTS	PBI	327S	
42	23	11	W	COLOR CNVT * CHAN A	PBI	085C	
42	23	12	W	COLOR CNVT * CHAN B	PBI	085C	
42	24	01	W	COLOR * CONVERTER	PBI	085C	
42	24	02	W	COLOR * CAMERA	PBI	084C	
42	24	03	W	COLOR * VTR 1	PBI	086C	
42	24	04	W	PAO * VTR	PBI	058P	
42	24	05	W	TV * TIME	PBI	105T	
42	24	06	W	COLOR * BARS	PBI	088C	
42	24	07	W	TELCO * PRIMARY	PBI	022T	
42	24	08	W	TELCO * SECONDARY	PBI	022T	
42	24	09	W	COLOR * VTR 2	PBI	087C	
42	24	10	W	FOD * VTR	PBI	011F	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
42	24	11	W	SPECIAL * EFFECTS	PBI	327S	
42	24	12	W	PATCH * PANEL	PBI	061P	
42	25	01	W	A/G 1 * 3RD FLR * XFER "AA"	PBI	001AA	
42	25	02	W	A/G 2 * 3RD FLR * XFER "AB"	PBI	001AB	
42	25	03	W	A/G 3 * 3RD FLR * XFER "AC"	PBI	001AC	
42	25	04	W	A/G 1 * 2ND FLR * XFER "BA"	PBI	001AD	
42	25	05	W	A/G 2 * 2ND FLR * XFER "BB"	PBI	001AE	
42	25	06	W	A/G 3 * 2ND FLR * XFER "BC"	PBI	001AF	
42	25	07	W	PRIME * GOSS * 3RD FLR *	PBI	001PA	
42	25	07		XFER "AD"	PBI	001PA	
42	25	08	W	FD * 3RD FLR * XFER "AE"	PBI	001FA	
42	25	09	W	PATCH * RECORD * 3RD FLR *	PBI	001PB	
42	25	09		XFER "AF"	PBI	001PB	
42	25	10	W	PRIME * GOSS * 2ND FLR *	PBI	001PC	
42	25	10		XFER "BD"	PBI	001PC	
42	25	11	W	FD * 2ND FLR * XFER "BE"	PBI	001FB	
42	25	12	W	PATCH * RECORD * 2ND FLR *	PBI	001PD	
42	25	12		XFER "BF"	PBI	001PD	
42	25	13	W	PAO RLS * RECORD * 3RD FLR	PBI	001PE	
42	25	13		* XFER "AG"	PBI	001PE	
42	25	14	W	BLDG 8 * INPUT * 3RD FLR *	PBI	001BA	
42	25	14		XFER "AH"	PBI	001BA	
42	25	15	W	SC/TC * 3RD FLR * XFER "AJ"	PBI	001SA	
42	25	16	W	PAO RLS * RECORD * 2ND FLR	PBI	001PF	
42	25	16		* XFER "BG"	PBI	001PF	
42	25	17	W	BLDG 8 * INPUT * 2ND FLR *	PBI	001BB	
42	25	17		XFER "BH"	PBI	001BB	
42	25	18	W	SC/TC * 2ND FLR * XFER "BJ"	PBI	001SB	
42	30	01	W	A/G 1 * 3RD FLR * XFER "CA"	PBI	001AG	
42	30	02	W	A/G 2 * 3RD FLR * XFER "CB"	PBI	001AH	
42	30	03	W	A/G 3 * 3RD FLR * XFER "CC"	PBI	001AI	
42	30	04	W	A/G 1 * 2ND FLR * XFER "DA"	PBI	001AJ	
42	30	05	W	A/G 2 * 2ND FLR * XFER "DB"	PBI	001AK	
42	30	06	W	A/G 3 * 2ND FLR * XFER "DC"	PBI	001AL	
42	30	07	W	PRIME * GOSS * 3RD FLR *	PBI	001PG	
42	30	07		XFER "CD"	PBI	001PG	
42	30	08	W	FD * 3RD FLR * XFER "CE"	PBI	001FC	
42	30	09	W	PATCH * RECORD * 3RD FLR *	PBI	001PH	
42	30	09		XFER "CF"	PBI	001PH	
42	30	10	W	PRIME * GOSS * 2ND FLR *	PBI	001PI	
42	30	10		XFER "DD"	PBI	001PI	
42	30	11	W	FD * 2ND FLR * XFER "DE"	PBI	001FD	
42	30	12	W	PATCH * RECORD * 2ND FLR *	PBI	001PJ	
42	30	12		XFER "DF"	PBI	001PJ	
42	30	13	W	PAO RLS * RECORD * 3RD FLR	PBI	001PK	
42	30	13		* XFER "CG"	PBI	001PK	
42	30	14	W	BLDG 8 * INPUT * 3RD FLR *	PBI	001BC	
42	30	14		XFER "CH"	PBI	001BC	
42	30	15	W	SC/TC * 3RD FLR * XFER "CJ"	PBI	001SC	
42	30	16	W	PAO RLS * RECORD * 2ND FLR	PBI	001PL	
42	30	16		* XFER "DG"	PBI	001PL	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
42	30	17	W	BLDG 8 * INPUT * 2ND FLR *	PBI	001BD	
42	30	17		XFER "DH"	PBI	001BD	
42	30	18	W	SC/TC * 2ND FLR * XFER "DJ"	PBI	001SD	
42	31	01	W	COLOR CNVT * STAB AMP A	PBI	085C	
42	31	02	W	COLOR CNVT * STAB AMP B	PBI	085C	
42	31	03	W	FOD * VTR * INPUT	PBI	134F	
42	31	04	W	COLOR * VTR 1 IN	PBI	086C	
42	31	05	W	COLOR * VTR 1 OUT	PBI	086C	
42	31	06	W	PAO * RETURN	PBI	060P	
42	31	07	W	TELCO * PRIMARY	PBI	022T	
42	31	08	W	TELCO * SECONDARY	PBI	022T	
42	31	09	W	PAO * VTR * INPUT	PBI	058P	
42	31	10	W	COLOR * VTR 2 IN	PBI	087C	
42	31	11	W	COLOR * VTR 2 OUT	PBI	087C	
42	31	12	W	PATCH * PANEL	PBI	061P	
42	32	01	W	COLOR * CONVERTER	PBI	085C	
42	32	02	W	PAO * RETURN	PBI	060P	
42	32	03	W	COLOR * VTR 1 OUT	PBI	086C	
42	32	04	W	PAO * VTR * INPUT	PBI	058P	
42	32	05	W	PAO * VTR * OUTPUT	PBI	058P	
42	32	06	W	STANDARDS * CONVERT 2	PBI	024S	
42	32	07	W	TELCO * PRIMARY	PBI	022T	
42	32	08	W	TELCO * SECONDARY	PBI	022T	
42	32	09	W	COLOR * VTR 2 OUT	PBI	087C	
42	32	10	W	FOD * VTR * INPUT	PBI	134F	
42	32	11	W	FOD * VTR * OUTPUT	PBI	117F	
42	32	12	W	STANDARDS * CONVERT 3	PBI	024S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
43	02	01	W	TELCO * PRIMARY	PBI	022T	
43	02	02	W	ABC	PBI	307A	
43	02	03	W	TV * TIME	PBI	105T	
43	02	04	W	COLOR * CAMERA	PBI	084C	
43	02	05	W	MAP * CAMERA	PBI	035M	
43	02	06	W	SP EFF GEN * A IN	PBI	025S	
43	02	07	W	TELCO * SECONDARY	PBI	022T	
43	02	08	W	CBS	PBI	396C	
43	02	09	W	PAO * VTR * INPUT	PBI	058P	
43	02	10	W	COLOR * VTR 1 IN	PBI	086C	
43	02	11	W	FRONT * CAMERA	PBI	012F	
43	02	12	W	SP EFF GEN * B IN	PBI	025S	
43	02	13	W	PAO * RETURN	PBI	060P	
43	02	14	W	NBC	PBI	474N	
43	02	15	W	FOD * VTR * INPUT	PBI	134F	
43	02	16	W	COLOR * VTR 2 IN	PBI	087C	
43	02	17	W	REAR * CAMERA	PBI	030R	
43	02	18	W	SP EFF GEN * KEY IN	PBI	025S	
43	03	01	W	CAPE * OUTPUT	PBI	232C	
43	03	02	W	PAO SW * OUT 1	PBI	015P	
43	03	03	W	PAO CLOCK * OUTPUT	PBI	139P	
43	03	04	W	COLOR * CONVERTER	PBI	085C	
43	03	05	W	SP EFF GEN * OUT	PBI	025S	
43	03	06	W	STANDARDS * CONVERT 1	PBI	024S	
43	03	07	W	MSC HQ * OUTPUT	PBI	186M	
43	03	08	W	PAO SW * OUT 2	PBI	015P	
43	03	09	W	PAO * OUTPUT	PBI	059P	
43	03	10	W	COLOR * VTR 1 OUT	PBI	086C	
43	03	11	W	SYNC * BLACK	PBI	328S	
43	03	12	W	STANDARDS * CONVERT 2	PBI	024S	
43	03	13	W	FOD AUD * OUTPUT	PBI	117F	
43	03	14	W	PATCH OUT * TO BL 8	PBI	020P	
43	03	15	W	FOD * VTR * OUTPUT	PBI	117F	
43	03	16	W	COLOR * VTR 2 OUT	PBI	087C	
43	03	17	W	PATCH * PANEL	PBI	061P	
43	03	18	W	STANDARDS * CONVERT 3	PBI	024S	
43	18					043B	65
43	18					043B	
43	18	01	W	COLOR CNVT * CHAN A	PBI	085C	
43	18	02	W	COLOR CNVT * CHAN B	PBI	085C	
43	18	03	W	PAO * VTR	PBI	058P	
43	18	04	W	FOD * VTR	PBI	011F	
43	18	05	W	COLOR CNVT * CHAN A	PBI	085C	
43	18	06	W	COLOR CNVT * CHAN B	PBI	085C	
43	18	07	W	PAO * VTR	PBI	058P	
43	18	08	W	FOD * VTR	PBI	011F	
43	18					043B	65
43	18					043B	
43	18	09	W	COLOR CNVT * CHAN A	PBI	085C	
43	18	10	W	COLOR CNVT * CHAN B	PBI	085C	
43	18	11	W	PAO * VTR	PBI	058P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
43	18	12	W	FOD * VTR	PBI	011F	
43	18	13	W	ABC	PBI	307A	
43	18	14	W	CBS	PBI	396C	
43	18	15	W	NBC	PBI	474N	
43	18	16	W	PATCH * PANEL	PBI	061P	
43	18			SP EFF A		025S	65
43	18					043B	
43	18	17	W	COLOR * CAMERA	PBI	084C	
43	18	18	W	REAR * CAMERA	PBI	030R	
43	18	19	W	MAP * CAMERA	PBI	035M	
43	18	20	W	FRONT * CAMERA	PBI	012F	
43	18	21	W	TV * TIME	PBI	105T	
43	18	22	W	STANDARDS * CONVERT 1	PBI	024S	
43	18	23	W	PATCH * PANEL	PBI	061P	
43	18			SP EFF B		025S	65
43	18					043B	
43	18	24	W	COLOR * CAMERA	PBI	084C	
43	18	25	W	REAR * CAMERA	PBI	030R	
43	18	26	W	MAP * CAMERA	PBI	035M	
43	18	27	W	FRONT * CAMERA	PBI	012F	
43	18	28	W	TV * TIME	PBI	105T	
43	18	29	W	STANDARDS * CONVERT 1	PBI	024S	
43	18	30	W	PATCH * PANEL	PBI	061P	
43	18					043B	65
43	18					043B	
43	18	31		(BLANK)	PBI	043U	
43	18	32		(BLANK)	PBI	043U	
43	18	33		(BLANK)	PBI	043U	
43	18	34		(BLANK)	PBI	043U	
43	18	35		(BLANK)	PBI	043U	
43	18	36		(BLANK)	PBI	043U	
43	18	37		(BLANK)	PBI	043U	
43	18			SP EFF KEY		025S	65
43	18					043B	
43	18	38	W	COLOR * CAMERA	PBI	084C	
43	18	39	W	REAR * CAMERA	PBI	030R	
43	18	40	W	MAP * CAMERA	PBI	035M	
43	18	41	W	FRONT * CAMERA	PBI	012F	
43	18	42	W	TV * TIME	PBI	105T	
43	18	43	W	STANDARDS * CONVERT 1	PBI	024S	
43	18	44	W	PATCH * PANEL	PBI	061P	
43	18			STD 2 -CNVT- COLOR		028S	65
43	18					043B	
43	18	45	W	SWITCH * OUT	PBI	027S	
43	18	46	W	CHAN A * OUT	PBI	089C	
43	18	47	W	CHAN B * OUT	PBI	090C	
43	18	48	W	STAB AMP * A OUT	PBI	026S	
43	18	49	W	STAB AMP * B OUT	PBI	026S	
43	18	50	W	TEST SIG * OUT	PBI	049T	
43	18	51		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
44	05	01U	R	SET ESW	PBI	500B	
44	05	01L	G	CHNL 01	PBI	500C	
44	05	02U	R	SET ESW	PBI	500B	
44	05	02L	G	CHNL 02	PBI	500C	
44	05	03U	R	SET ESW	PBI	500B	
44	05	03L	G	CHNL 03	PBI	500C	
44	05	04U	R	SET ESW	PBI	500B	
44	05	04L	G	CHNL 04	PBI	500C	
44	05	05U	R	SET ESW	PBI	500B	
44	05	05L	G	CHNL 05	PBI	500C	
44	05	06U	R	SET ESW	PBI	500B	
44	05	06L	G	CHNL 06	PBI	500C	
44	05	07U	R	SET ESW	PBI	500B	
44	05	07L	G	CHNL 07	PBI	500C	
44	05	08U	R	SET ESW	PBI	500B	
44	05	08L	G	CHNL 08	PBI	500C	
44	05	09U	R	SET ESW	PBI	500B	
44	05	09L	G	CHNL 09	PBI	500C	
44	05	10U	R	SET ESW	PBI	500B	
44	05	10L	G	CHNL 10	PBI	500C	
44	05	11U	R	SET ESW	PBI	500B	
44	05	11L	G	CHNL 11	PBI	500C	
44	05	12U	R	SET ESW	PBI	500B	
44	05	12L	G	CHNL 12	PBI	500C	
44	05	13U	R	SET ESW	PBI	500B	
44	05	13L	G	CHNL 13	PBI	500C	
44	05	14U	R	SET ESW	PBI	500B	
44	05	14L	G	CHNL 14	PBI	500C	
44	05	15U	R	SET ESW	PBI	500B	
44	05	15L	G	CHNL 15	PBI	500C	
44	05	16U	R	SET ESW	PBI	500B	
44	05	16L	G	CHNL 16	PBI	500C	
44	05	17U	R	SET ESW	PBI	500B	
44	05	17L	G	CHNL 17	PBI	500C	
44	05	18U	R	SET ESW	PBI	500B	
44	05	18L	G	CHNL 18	PBI	500C	
44	10	01U	R	SET ESW	PBI	500B	
44	10	01L	G	CHNL 19	PBI	500C	
44	10	02U	R	SET ESW	PBI	500B	
44	10	02L	G	CHNL 20	PBI	500C	
44	10	03U	R	SET ESW	PBI	500B	
44	10	03L	G	CHNL 21	PBI	500C	
44	10	04U	R	SET ESW	PBI	500B	
44	10	04L	G	CHNL 22	PBI	500C	
44	10	05U	R	SET ESW	PBI	500B	
44	10	05L	G	CHNL 23	PBI	500C	
44	10	06U	R	SET ESW	PBI	500B	
44	10	06L	G	CHNL 24	PBI	500C	
44	10	07U	R	SET ESW	PBI	500B	
44	10	07L	G	CHNL 25	PBI	500C	
44	10	08U	R	SET ESW	PBI	500B	
44	10	08L	G	CHNL 26	PBI	500C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
44	10	09U	R	SET ESW	PBI	500B	
44	10	09L	G	CHNL 27	PBI	500C	
44	10	10U	R	SET ESW	PBI	500B	
44	10	10L	G	CHNL 28	PBI	500C	
44	10	11U	R	SET ESW	PBI	500B	
44	10	11L	G	CHNL 29	PBI	500C	
44	10	12U	R	SET ESW	PBI	500B	
44	10	12L	G	CHNL 30	PBI	500C	
44	10	13U	R	SET ESW	PBI	500B	
44	10	13L	G	CHNL 31	PBI	500C	
44	10	14U	R	SET ESW	PBI	500B	
44	10	14L	G	CHNL 32	PBI	500C	
44	10	15U	R	SET ESW	PBI	500B	
44	10	15L	G	CHNL 33	PBI	500C	
44	10	16U	R	SET ESW	PBI	500B	
44	10	16L	G	CHNL 34	PBI	500C	
44	10	17U	R	SET ESW	PBI	500B	
44	10	17L	G	CHNL 35	PBI	500C	
44	10	18U	R	SET ESW	PBI	500B	
44	10	18L	G	CHNL 36	PBI	500C	
44	12	01U	R	SET ESW	PBI	500B	
44	12	01L	G	CHNL 37	PBI	500C	
44	12	02U	R	SET ESW	PBI	500B	
44	12	02L	G	CHNL 38	PBI	500C	
44	12	03U	R	SET ESW	PBI	500B	
44	12	03L	G	CHNL 39	PBI	500C	
44	12	04U	R	SET ESW	PBI	500B	
44	12	04L	G	CHNL 40	PBI	500C	
44	12	05U	R	SET ESW	PBI	500B	
44	12	05L	G	RSF 41	PBI	500D	
44	12	06U	R	SET ESW	PBI	500B	
44	12	06L	G	RSF 42	PBI	500D	
44	12	07U	R	SET ESW	PBI	500B	
44	12	07L	G	RSF 43	PBI	500D	
44	12	08U	R	SET ESW	PBI	500B	
44	12	08L	G	RSF 44	PBI	500D	
44	12	09U		(BLANK)		043U	
44	12	09L		(BLANK)		043U	
44	12	10U		(BLANK)		043U	
44	12	10L		(BLANK)		043U	
44	12	11U		(BLANK)		043U	
44	12	11L		(BLANK)		043U	
44	12	12U		(BLANK)		043U	
44	12	12L		(BLANK)		043U	
44	12	13U		(BLANK)		043U	
44	12	13L		(BLANK)		043U	
44	12	14U		(BLANK)		043U	
44	12	14L		(BLANK)		043U	
44	12	15U		(BLANK)		043U	
44	12	15L		(BLANK)		043U	
44	12	16U		(BLANK)		043U	
44	12	16L		(BLANK)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
44	12	17U		(BLANK)		043U	
44	12	17L		(BLANK)		043U	
44	12	18U		(BLANK)		043U	
44	12	18L		(BLANK)		043U	
44	15	01U		(BLANK)		043U	
44	15	01L		(BLANK)		043U	
44	15	02U		(BLANK)		043U	
44	15	02L		(BLANK)		043U	
44	15	03U		(BLANK)		043U	
44	15	03L		(BLANK)		043U	
44	15	04U		(BLANK)		043U	
44	15	04L		(BLANK)		043U	
44	15	05U		(BLANK)		043U	
44	15	05L		(BLANK)		043U	
44	15	06U		(BLANK)		043U	
44	15	06L		(BLANK)		043U	
44	15	07U		(BLANK)		043U	
44	15	07L		(BLANK)		043U	
44	15	08U		(BLANK)		043U	
44	15	08L		(BLANK)		043U	
44	15	09U	R	SET ESW	PBI	500B	
44	15	09L	G	ADEG 90	PBI	500A	
44	15	10U	R	SET ESW	PBI	500B	
44	15	10L	G	ADEG 91	PBI	500A	
44	15	11U	R	SET ESW	PBI	500B	
44	15	11L	G	ADEG 92	PBI	500A	
44	15	12U	R	SET ESW	PBI	500B	
44	15	12L	G	ADEG 93	PBI	500A	
44	15	13U		(BLANK)		043U	
44	15	13L		(BLANK)		043U	
44	15	14U		(BLANK)		043U	
44	15	14L		(BLANK)		043U	
44	15	15U		(BLANK)		043U	
44	15	15L		(BLANK)		043U	
44	15	16U	W	3RD FLR	PBI	500B	
44	15	16L	G	TIME	PBI	500B	
44	15	17U	W	3RD FLR	PBI	500B	
44	15	17L	G	SCHEDULING	PBI	500F	
44	15	18U	W	VSM 02	PBI	500E	
44	15	18L	W	V-002	PBI	500G	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	01	01U	G	L/O	MOC	028LEV	
45A	01	01L	A	L/O	MOC	028L	
45A	01	02U	A	CMC GRR * 931C3006R	MOC	CH30B06	
45A	01	02L	A	SLV * GRR	MOC	GMW1D26	
45A	01	03U		(BLANK)	MOC	043U	
45A	01	03L	A	S-IVB ENG * IGN	MOC	SIU01E	
45A	01	04U	G	S-IVB ENG * CUTOFF	MOC	144SEV	
45A	01	04L	A	S-IVB ENG * CUTOFF	MOC	SIU02E	
45A	01	05U	G	S-IVB * CSM/LM SEP	MOC	088AEV	
45A	01	05L	A	EDS ABT A * CD0135X	MOC	CD0135	
45A	01	06U	G	THRUST	MOC	179REV	
45A	01	06L	A	SPS * IGNITION	MOC	CSM01E	
45A	01	07U	G	POWER	MOC	AGC05E	
45A	01	07L	G	POWER	MOC	LGC04E	
45A	01	08U	G	RENDZ * P-THRUST	MOC	AGC07E	
45A	01	08L	G	RNDZ	MOC	LGC06E	
45A	01	09U	G	COAST * ALIGN	MOC	AGC06E	
45A	01	09L	G	COAST	MOC	LGC05E	
45A	01	10U	G	ENTRY * UPDATE	MOC	AGC08E	
45A	01	10L	G	UPDAT	MOC	LGC07E	
45A	01	11U	G	PROG * 22	MOC	AGC10E	
45A	01	11L	G	DES/ASCNT * (LIST 5)	MOC	LGC02E	
45A	01	12U	R	INVALID	MOC	AGC09E	
45A	01	12L	G	LUN ALIGN * (LIST 6)	MOC	LGC03E	
45A	01	13U	W	LAUNCH * PRE-IGM	MOC	SIU06I	
45A	01	13L	W	LAUNCH * POST-IGM	MOC	SIU07I	
45A	01	14U	W	LAUNCH * ORBIT-SLV	MOC	SIU08I	
45A	01	14L	W	DESCENT	MOC	LEM20I	
45A	01	15U	W	ASCENT	MOC	LEM21I	
45A	01	15L		(BLANK)	MOC	043U	
45A	01	16U	B	GAMMA * ACCUM RUN	MOC	SIM02I	
45A	01	16L	B	ALPHA * ACCUM RUN	MOC	SIM03I	
45A	01	17U	B	X-RAY * ACCUM RUN	MOC	SIM04I	
45A	01	17L		(BLANK)	MOC	043U	
45A	01	18U	R	INVALID	MOC	LGC08E	
45A	01	18L		(BLANK)	MOC	043U	
45A	02	01U	W	RSDP 2	MOC	037R	
45A	02	01L	R	LOW BIT * RATE	MOC	612S	
45A	02	02U	W	RSDP 3	MOC	038R	
45A	02	02L	R	LOW BIT * RATE	MOC	613S	
45A	02	03U	W	RSDP 4	MOC	039R	
45A	02	03L	R	LOW BIT * RATE	MOC	614S	
45A	02	04U	W	RSDP 5	MOC	040R	
45A	02	04L	R	LOW BIT * RATE	MOC	615S	
45A	02	05U	W	RSDP 6	MOC	041R	
45A	02	05L	R	LOW BIT * RATE	MOC	616S	
45A	02	06U	W	RSDP 7	MOC	042R	
45A	02	06L	R	LOW BIT * RATE	MOC	617S	
45A	02	07U	W	RSDP 8	MOC	043R	
45A	02	07L	R	LOW BIT * RATE	MOC	618S	
45A	02	08U	W	RSDP 9	MOC	044R	
45A	02	08L	R	LOW BIT * RATE	MOC	619S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	02	09U	W	RSDP 10	MOC	045R	
45A	02	09L	R	LOW BIT * RATE	MOC	620S	
45A	02	10U	W	RSDP 11	MOC	209R	
45A	02	10L	R	LOW BIT * RATE	MOC	621S	
45A	02	11U	W	RSDP 12	MOC	210R	
45A	02	11L	R	LOW BIT * RATE	MOC	622S	
45A	02	12U	W	RSDP 13	MOC	211R	
45A	02	12L	R	LOW BIT * RATE	MOC	631S	
45A	02	13U	W	RSDP 14	MOC	212R	
45A	02	13L	R	LOW BIT * RATE	MOC	632S	
45A	02	14U	W	RSDP 15	MOC	213R	
45A	02	14L	R	LOW BIT * RATE	MOC	633S	
45A	02	15U	W	RSDP 16	MOC	214R	
45A	02	15L	R	LOW BIT * RATE	MOC	634S	
45A	02	16U	W	ALDS 1	MOC	034A	
45A	02	16L	R	LOW BIT * RATE	MOC	635S	
45A	02	17U	R	EECOM * CRIT ALARM	MOC	CAEECOM	
45A	02	17L	R	GNC * CRIT ALARM	MOC	CAGNC	
45A	02	18U	R	TELMU * CRIT ALARM	MOC	CATELMU	
45A	02	18L	R	CONTROL * CRIT ALARM	MOC	CACONT	
45A	03	01	W	CLASS 1	MOC	603C	
45A	03	02	R	CSM	MOC	382C	
45A	03	03	W	CLASS 2	MOC	608C	
45A	03	04	R	AGC	MOC	288A	
45A	03	05	R	SI	MOC	398S	
45A	03	06	R	LEM	MOC	271L	
45A	03	07	R	SII	MOC	399S	
45A	03	08	R	LGC	MOC	272L	
45A	03	09	R	SIU	MOC	400S	
45A	03	10	R	AGS	MOC	289A	
45A	03	11	R	SIM	MOC	042S	
45A	03	12	R	AMD	MOC	290A	
45A	03	13	W	(FORMAT TENS DIGIT)			
45A	03	14	W	(FORMAT UNITS DIGIT)			
45A	03	15	W	(STATION TENS DIGIT)			
45A	03	16	W	(STATION UNITS DIGIT)			
45A	03	17		(BLANK)	MOC	043U	
45A	03	18	G	CLEAR	MOC	600R	
45A	04	01		(BLANK)	MOC	043U	
45A	04	02	R	CSM P/B	MOC	275CA	
45A	04	03		(BLANK)	MOC	043U	
45A	04	04	R	AGC P/B	MOC	291A	
45A	04	05		(BLANK)	MOC	043U	
45A	04	06	R	LEM P/B	MOC	273L	
45A	04	07		(BLANK)	MOC	043U	
45A	04	08	R	LGC P/B	MOC	274L	
45A	04	09		(BLANK)	MOC	043U	
45A	04	10	R	AGS P/B	MOC	292A	
45A	04	11		(BLANK)	MOC	043U	
45A	04	12		(BLANK)	MOC	043U	
45A	04	13	W	(FORMAT TENS DIGIT)			

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	04	14	W	(FORMAT UNITS DIGIT)			
45A	04	15	W	(STATION TENS DIGIT)			
45A	04	16	W	(STATION UNITS DIGIT)			
45A	04	17		(BLANK)	MOC	043U	
45A	04	18	G	CLEAR	MOC	601R	
45A	07	01U	A	FDAI 5/5 * CH3592X	MOC	CH3592	
45A	07	01L	A	FDAI15-10 * CH3593X	MOC	CH3593	
45A	07	02U	A	XPNDR CAL * NO.2-20	MOC	CSM13I	
45A	07	02L	A	OPT CURVE * SPS GMBL	MOC	CSM14I	
45A	07	03U	B	P/T * CORR	MOC	CSM02I	
45A	07	03L	B	NPDS COMP	MOC	CSM08I	
45A	07	04U	B	EMU 1 CLC * ENABLE	MOC	LEM14I	
45A	07	04L	B	EMU 2 CLC * ENABLE	MOC	LEM15I	
45A	07	05U	B	GQ3603Q * INHIBIT	MOC	LEM25I	
45A	07	05L	B	GQ3604Q * INHIBIT	MOC	LEM26I	
45A	07	06	G	(STATUS REPORT)	PBI	123S	
45A	07	07U	A	CO2 CAL * 14.7-30	MOC	CSM09I	
45A	07	07L	A	CO2 CAL * 3.7-10	MOC	CSM10I	
45A	07	08U	A	SPS AUX * QUANTITY	MOC	CSM15I	
45A	07	08L	A	DES BAT * CAL N/CDR	MOC	LEM33I	
45A	07	09U	B	FAC(0)=0	MOC	AMD03I	92
45A	07	09L	B	FAC(1)=0	MOC	AMD04I	92
45A	07	10U	B	BIAS QTY * ARMED	MOC	LEM29I	
45A	07	10L	B	P/BBATCLC * DISABLE	MOC	LEM30I	
45A	07	11U	B	GQ4103Q * INHIBIT	MOC	LEM27I	
45A	07	11L	B	GQ4104Q * INHIBIT	MOC	LEM28I	
45A	07	12	A	(STATUS REPORT)	PBI	123S	
45A	07	13U	A	FLO CAL * 60F-10	MOC	CSM11I	
45A	07	13L	A	FLO CAL * 120F-30	MOC	CSM12I	
45A	07	14U	A	CO2 PP * EGR CAL	MOC	LEM17I	
45A	07	14L	A	S-BAND * SEC CAL	MOC	LEM19I	
45A	07	15U	B	MET RATE * ST CALC 1	MOC	AMD01E	
45A	07	15L	B	MET RATE * ST CALC 2	MOC	AMD02I	
45A	07	16U	B	RCS ON * TIME REM	MOC	LEM31I	
45A	07	16L	B	APS CALC	MOC	LEM12I	
45A	07	17U	B	LOW LEVEL * COUNTDOWN	MOC	LGC01I	
45A	07	17L	B	PQGS * PROG	MOC	LEM34I	
45A	07	18	R	(STATUS REPORT)	PBI	123S	
45A	08	01U	G	PRELAUNCH	MOC	022P	
45A	08	01L	G	LUNAR * ORBIT	MOC	281L	
45A	08	02U	G	COND SIM * LNCH	MOC	054C	
45A	08	02L	A	LM * DESCENT	MOC	265L	
45A	08	03U	G	COND * LAUNCH	MOC	053C	
45A	08	03L	G	LUNAR * STAY	MOC	282L	
45A	08	04U	A	LAUNCH	MOC	601LC	
45A	08	04L	A	LM * ASCENT	MOC	266L	
45A	08	05U	G	EARTH * ORBIT	MOC	0140A	
45A	08	05L	G	ENTRY	MOC	017R	
45A	08	06U	G	TRANS	MOC	103T	
45A	08	06L	R	ABORT	MOC	001A	
45A	08	07U		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	08	07L		(BLANK)	MOC	043U	
45A	08	08U		(BLANK)	MOC	043U	
45A	08	08L		(BLANK)	MOC	043U	
45A	08	09U		(BLANK)	MOC	043U	
45A	08	09L		(BLANK)	MOC	043U	
45A	08	10U		(BLANK)	MOC	043U	
45A	08	10L		(BLANK)	MOC	043U	
45A	08	11U		(BLANK)	MOC	043U	
45A	08	11L		(BLANK)	MOC	043U	
45A	08	12	B	TV LOG * SHUTDOWN * SIM	MOC	XXX23I	
45A	08	13	R	TM * ON-LINE * COMMENT	MOC	XXX01I	
45A	08	14	B	THRIFT * TAB CONT * PUNCH	MOC	XXX18I	25
45A	08	15	B	THRIFT * PLOT CONT * PUNCH	MOC	XXX19I	25
45A	08	16	R	TV LOG * SHUTDOWN * SLV	MOC	XXX20I	25
45A	08	17	B	TV LOG * SHUTDOWN * CSM	MOC	XXX21I	25
45A	08	18	B	TV LOG * SHUTDOWN * LEM	MOC	XXX22I	25
45A	13					043B	
45A	13	01U	R	SI LIMITS * OFF	MOC	611S	
45A	13	01L	R	SI LIMITS * OFF	DSC	611S	
45A	13	02U	R	CSM LIMITS * OFF	MOC	615C	
45A	13	02L	R	CSM LIMITS * OFF	DSC	615C	
45A	13	03U	W	SI * DISPLAY	MOC	XXX02I	
45A	13	03L	W	SI * DISPLAY	DSC	XXX02I	
45A	13	04U	W	CSM * DISPLAY	MOC	XXX05I	
45A	13	04L	W	CSM * DISPLAY	DSC	XXX05I	
45A	13	05U	R	SII LIMITS * OFF	MOC	609S	
45A	13	05L	R	SII LIMITS * OFF	DSC	609S	
45A	13	06U	R	LM LIMITS * OFF	MOC	609L	
45A	13	06L	R	LM LIMITS * OFF	DSC	609L	
45A	13	07U	W	SII * DISPLAY	MOC	XXX03I	
45A	13	07L	W	SII * DISPLAY	DSC	XXX03I	
45A	13	08U	W	LM * DISPLAY	MOC	XXX06I	
45A	13	08L	W	LM * DISPLAY	DSC	XXX06I	
45A	13	09U	R	SIU LIMITS * OFF	MOC	610S	
45A	13	09L	R	SIU LIMITS * OFF	DSC	610S	
45A	13	10U	R	AMD LIMITS * OFF	MOC	004A	
45A	13	10L	R	AMD LIMITS * OFF	DSC	004A	
45A	13	11U	W	SIU * DISPLAY	MOC	XXX04I	
45A	13	11L	W	SIU * DISPLAY	DSC	XXX04I	
45A	13	12U	W	AMD * DISPLAY	MOC	XXX07I	
45A	13	12L	W	AMD * DISPLAY	DSC	XXX07I	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13		(BLANK)	MOC	043U	
45A	13	13	W	(FORMAT THOUSANDS DIGIT)			

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14		(BLANK)	MOC	043U	
45A	13	14	W	(FORMAT HUNDREDS DIGIT)			
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15		(BLANK)	MOC	043U	
45A	13	15	W	(FORMAT TENS DIGIT)			
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16		(BLANK)	MOC	043U	
45A	13	16	W	(FORMAT UNITS DIGIT)			
45A	13	17U	R	CSM EVENTS * PLAYBACK	MOC	600PA	25
45A	13	17L	R	CSM EVENTS * PLAYBACK	DSC	600PA	
45A	13	18U	R	LM EVENTS * PLAYBACK	MOC	600PB	
45A	13	18L	R	LM EVENTS * PLAYBACK	DSC	600PB	
45A	13	19U	R	PB * SHUTDOWN	MOC	XXX08I	
45A	13	19L	R	PB * SHUTDOWN	DSC	XXX08I	
45A	13	20U	R	LIVE * SHUTDOWN	MOC	XXX09I	
45A	13	20L	R	LIVE * SHUTDOWN	DSC	XXX09I	
45A	13	21U		(BLANK)	MOC	043U	
45A	13	21L		(BLANK)	DSC	043U	
45A	13	22U		(BLANK)	MOC	043U	25
45A	13	22L		(BLANK)	DSC	043U	
45A	13	23U	R	SI * SHUTDOWN	MOC	600SA	
45A	13	23L	R	SI * SHUTDOWN	DSC	600SA	
45A	13	24U	R	REBROAD * OFF	MOC	XXX10I	25
45A	13	24L	R	REBROAD * OFF	DSC	XXX10I	
45A	13	25U	B	CENTRF * PB	MOC	XXX16I	
45A	13	25L	B	CENTRF * PB	DSC	XXX16I	
45A	13	26U	W	SIM * DISPLAY	MOC	XXX24I	
45A	13	26L	W	SIM * DISPLAY	DSC	XXX24I	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	13	27U	R	SIM LIMITS * OFF	MOC	XXX25I	
45A	13	27L	R	SIM LIMITS * OFF	DSC	XXX25I	
45A	13	28U		(BLANK)	MOC	043U	
45A	13	28L		(BLANK)	DSC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29		(BLANK)	MOC	043U	
45A	13	29	W	(FORMAT THOUSANDS DIGIT)			
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30		(BLANK)	MOC	043U	
45A	13	30	W	(FORMAT HUNDREDS DIGIT)			
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31		(BLANK)	MOC	043U	
45A	13	31	W	(FORMAT TENS DIGIT)			
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32		(BLANK)	MOC	043U	
45A	13	32	W	(FORMAT UNITS DIGIT)			
45A	13	33U	R	EOF * THRIFT	MOC	600RA	25
45A	13	33L	R	EOF * THRIFT	DSC	600RA	
45A	13	34U	W	LOAD SS	MOC	600RD	
45A	13	34L	W	LOAD SS	DSC	600RD	
45A	13	35U	W	LOAD CALS	MOC	600RC	25

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	13	35L	W	LOAD CALS	DSC	600RC	
45A	13	36U	W	LOAD LIM	MOC	600RB	
45A	13	36L	W	LOAD LIM	DSC	600RB	
45A	13	37U	G	LFI PB	MOC	XXX11I	
45A	13	37L	G	LFI PB	DSC	XXX11I	
45A	13	38U	G	LFI LIVE	MOC	XXX12I	25
45A	13	38L	G	LFI LIVE	DSC	XXX12I	
45A	13	39U	G	LIMITS * TO DISK	MOC	XXX13I	
45A	13	39L	G	LIMITS * TO DISK	DSC	XXX13I	
45A	13	40U	G	ALT LIM * LOAD	MOC	XXX14I	25
45A	13	40L	G	ALT LIM * LOAD	DSC	XXX14I	
45A	13	41U	A	SLV EV * RESET	MOC	601RA	
45A	13	41L	A	SLV EV * RESET	DSC	601RA	
45A	13	42U		(BLANK)	MOC	043U	
45A	13	42L		(BLANK)	DSC	043U	
45A	13	43U	A	ZERO SS	MOC	XXX15I	
45A	13	43L	A	ZERO SS	DSC	XXX15I	
45A	13	44	R	CLEAR	MOC	028C	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45		(BLANK)	MOC	043U	
45A	13	45	W	(FORMAT THOUSANDS DIGIT)			
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46		(BLANK)	MOC	043U	
45A	13	46	W	(FORMAT HUNDREDS DIGIT)			
45A	13	47	W	0 (FORMAT TENS DIGIT)	MOC	520N	
45A	13	47	W	1 (FORMAT TENS DIGIT)	MOC	511N	
45A	13	47	W	2 (FORMAT TENS DIGIT)	MOC	512N	
45A	13	47	W	3 (FORMAT TENS DIGIT)	MOC	513N	
45A	13	47	W	4 (FORMAT TENS DIGIT)	MOC	514N	
45A	13	47	W	5 (FORMAT TENS DIGIT)	MOC	515N	
45A	13	47	W	6 (FORMAT TENS DIGIT)	MOC	516N	
45A	13	47	W	7 (FORMAT TENS DIGIT)	MOC	517N	
45A	13	47	W	8 (FORMAT TENS DIGIT)	MOC	518N	
45A	13	47	W	9 (FORMAT TENS DIGIT)	MOC	519N	
45A	13	47	W	(FORMAT TENS DIGIT)			
45A	13	48	W	0 (FORMAT UNITS DIGIT)	MOC	510N	
45A	13	48	W	1 (FORMAT UNITS DIGIT)	MOC	501N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	13	48	W	2 (FORMAT UNITS DIGIT)	MOC	502N	
45A	13	48	W	3 (FORMAT UNITS DIGIT)	MOC	503N	
45A	13	48	W	4 (FORMAT UNITS DIGIT)	MOC	504N	
45A	13	48	W	5 (FORMAT UNITS DIGIT)	MOC	505N	
45A	13	48	W	6 (FORMAT UNITS DIGIT)	MOC	506N	
45A	13	48	W	7 (FORMAT UNITS DIGIT)	MOC	507N	
45A	13	48	W	8 (FORMAT UNITS DIGIT)	MOC	508N	
45A	13	48	W	9 (FORMAT UNITS DIGIT)	MOC	509N	
45A	13	48	W	(FORMAT UNITS DIGIT)			
45A	17	01	W	GUID * BOOSTER	PBI	45	
45A	17	02	W	CSM TABS * PROG 22	PBI	46	
45A	17	03	W	CMC TABS	PBI	47	
45A	17	04	W	LM/AGS * TABS	PBI	48	
45A	17	05	W	LGC TABS	PBI	49	
45A	17	06	W	HS-RT	PBI	50	
45A	17	07	W	HS-PB	PBI	51	
45A	17	08	W	AEROMED	PBI	52	
45A	17	09	W	PLOTS 1	PBI	53	
45A	17	10	W	PLOTS 2	PBI	54	
45A	17	11	W	RTCC/GEN	PBI	55	
45A	17	12		(BLANK)	PBI	043U	
45A	19	01UL	W	CSM * PB	MOC	600C	
45A	19	01UR	W	CSM * PB	DSC	600C	
45A	19	01LL	R	FLAG	MOC	604F	
45A	19	01LR	R	FLAG	DSC	604F	
45A	19	02UL	W	LM * PB	MOC	600L	
45A	19	02UR	W	LM * PB	DSC	600L	
45A	19	02LL	R	FLAG	MOC	606F	
45A	19	02LR	R	FLAG	DSC	606F	
45A	19	03UL	W	CSM	MOC	601C	
45A	19	03UR	W	CSM	DSC	601C	
45A	19	03LL	R	FLAG	MOC	614F	
45A	19	03LR	R	FLAG	DSC	614F	
45A	19	04UL	W	LM	MOC	601L	
45A	19	04UR	W	LM	DSC	601L	
45A	19	04LL	R	FLAG	MOC	616F	
45A	19	04LR	R	FLAG	DSC	616F	
45A	19	05UL	W	AGC * PB	MOC	600A	
45A	19	05UR	W	AGC * PB	DSC	600A	
45A	19	05LL	R	FLAG	MOC	605F	
45A	19	05LR	R	FLAG	DSC	605F	
45A	19	06UL	W	LGC * PB	MOC	603L	
45A	19	06UR	W	LGC * PB	DSC	603L	
45A	19	06LL	R	FLAG	MOC	607F	
45A	19	06LR	R	FLAG	DSC	607F	
45A	19	07UL	W	AGC	MOC	601A	
45A	19	07UR	W	AGC	DSC	601A	
45A	19	07LL	R	FLAG	MOC	615F	
45A	19	07LR	R	FLAG	DSC	615F	
45A	19	08UL	W	LGC	MOC	604L	
45A	19	08UR	W	LGC	DSC	604L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	19	08LL	R	FLAG	MOC	617F	
45A	19	08LR	R	FLAG	DSC	617F	
45A	19	09UL	W	SIM	MOC	043S	
45A	19	09UR	W	SIM	DSC	043S	
45A	19	09LL	W	FLAG	MOC	630F	
45A	19	09LR	W	FLAG	DSC	630F	
45A	19	10UL	W	AGS * PB	MOC	603A	
45A	19	10UR	W	AGS * PB	DSC	603A	
45A	19	10LL	R	FLAG	MOC	608F	
45A	19	10LR	R	FLAG	DSC	608F	
45A	19	11UL	W	AMD	MOC	612AB	
45A	19	11UR	W	AMD	DSC	612AB	
45A	19	11LL	R	FLAG	MOC	619F	
45A	19	11LR	R	FLAG	DSC	619F	
45A	19	12UL	W	AGS	MOC	604A	
45A	19	12UR	W	AGS	DSC	604A	
45A	19	12LL	R	FLAG	MOC	618F	
45A	19	12LR	R	FLAG	DSC	618F	
45A	19	13UL	W	AEMD	MOC	AGC11E	
45A	19	13UR	W	AEMD	DSC	AGC11E	
45A	19	13LL	W	LEMD	MOC	LGC01E	
45A	19	13LR	W	LEMD	DSC	LGC01E	
45A	19	14UL	W	S-I	MOC	601S	
45A	19	14UR	W	S-I	DSC	601S	
45A	19	14LL	R	FLAG	MOC	610F	
45A	19	14LR	R	FLAG	DSC	610F	
45A	19	15UL	W	S-II	MOC	604S	
45A	19	15UR	W	S-II	DSC	604S	
45A	19	15LL	R	FLAG	MOC	611F	
45A	19	15LR	R	FLAG	DSC	611F	
45A	19	16UL	W	IU	MOC	601I	
45A	19	16UR	W	IU	DSC	601I	
45A	19	16LL	R	FLAG	MOC	613F	
45A	19	16LR	R	FLAG	DSC	613F	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	17		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	18		(BLANK)	MOC	043U	
45A	19	19UL	G	CSM * LIVE	CCATS	299C	
45A	19	19UR	G	LM * LIVE	CCATS	110L	
45A	19	19LL	R	CSM * STATIC	CCATS	300C	
45A	19	19LR	R	LM * STATIC	CCATS	111L	
45A	19	20UL	G	SIVB * LIVE	CCATS	228S	
45A	19	20UR	G	SIU * LIVE	CCATS	061I	
45A	19	20LL	R	SIVB * STATIC	CCATS	229S	
45A	19	20LR	R	SIU * STATIC	CCATS	062I	
45A	19	21UL	R	ON-LINE * COMMENT	MOC	XXX01I	
45A	19	21UR	R	ON-LINE * COMMENT	DSC	XXX01I	
45A	19	21LL		(BLANK)	MOC	043U	
45A	19	21LR		(BLANK)	DSC	043U	
45A	19	22UL	B	HIGH * LOAD	MOC	092H	
45A	19	22UR	B	HIGH * LOAD	DSC	092H	
45A	19	22LL	A	LOW * RESP	MOC	267L	
45A	19	22LR	A	LOW * RESP	DSC	267L	
45A	19	23UL	W	CSM * LFI	CCATS	358C	
45A	19	23UR	W	LM * LFI	CCATS	024L	
45A	19	23LL		(BLANK)		043U	
45A	19	23LR		(BLANK)		043U	
45A	19	24UL	W	SIVB * LFI	CCATS	404S	
45A	19	24UR	W	SIU * LFI	CCATS	405S	
45A	19	24LL		(BLANK)		043U	
45A	19	24LR		(BLANK)		043U	
45A	19	25UL	R	G-RAY * SYNC	MOC	SIM01I	
45A	19	25UR	R	G-RAY * SYNC	DSC	SIM01I	
45A	19	25LL	R	X-RAY * SYNC	MOC	SIM05I	
45A	19	25LR	R	X-RAY * SYNC	DSC	SIM05I	
45A	19	26UL	B	PAN * CAM	MOC	SIMCAT1	
45A	19	26UR	B	PAN * CAM	DSC	SIMCAT1	
45A	19	26LL	B	X-RAY * CAM	MOC	SIMCAT2	
45A	19	26LR	B	X-RAY * CAM	DSC	SIMCAT2	
45A	19	27UL	G	CMC * LIVE	CCATS	302C	
45A	19	27UR	G	LGC * LIVE	CCATS	226L	
45A	19	27LL	R	CMC * STATIC	CCATS	303C	
45A	19	27LR	R	LGC * STATIC	CCATS	227L	
45A	19	28UL	G	AEA * LIVE	CCATS	230A	
45A	19	28UR		(BLANK)		043U	
45A	19	28LL	R	AEA * STATIC	CCATS	231A	
45A	19	28LR		(BLANK)		043U	
45A	19	29UL	R	M-DATA * SYNC	MOC	SIM07I	
45A	19	29UR	R	M-DATA * SYNC	DSC	SIM07I	
45A	19	29LL	R	SL1124 * SYNC	MOC	SIM08I	
45A	19	29LR	R	SL1124 * SYNC	DSC	SIM08I	
45A	19	30UL	B	ALPHA	MOC	SIMCAT3	
45A	19	30UR	B	ALPHA	DSC	SIMCAT3	
45A	19	30LL	B	MASS	MOC	SIMCAT4	
45A	19	30LR	B	MASS	DSC	SIMCAT4	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	19	31UL	W	CMC * LFI	CCATS	330C	
45A	19	31UR	W	LGC * LFI	CCATS	280L	
45A	19	31LL		(BLANK)		043U	
45A	19	31LR		(BLANK)		043U	
45A	19	32UL	W	AEA * LFI	CCATS	300A	
45A	19	32UR		(BLANK)		043U	
45A	19	32LL		(BLANK)		043U	
45A	19	32LR		(BLANK)		043U	
45A	19	33UL	R	M-FLAG * OVRRDE	MOC	SIM06I	
45A	19	33UR	R	M-FLAG * OVRRDE	DSC	SIM06I	
45A	19	33LL		(BLANK)	MOC	043U	
45A	19	33LR		(BLANK)	DSC	043U	
45A	19	34UL	B	LASER	MOC	SIMCAT5	
45A	19	34UR	B	LASER	DSC	SIMCAT5	
45A	19	34LL	B	MET * CAM	MOC	SIMCAT6	
45A	19	34LR	B	MET * CAM	DSC	SIMCAT6	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	35		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	36		(BLANK)	MOC	043U	
45A	19	37UL	B	ALL * EECOM	MOC	CSMCATECM	
45A	19	37UR	B	ALL * EECOM	DSC	CSMCATECM	
45A	19	37LL	B	FC 1	MOC	CSMCATV	
45A	19	37LR	B	FC 1	DSC	CSMCATV	
45A	19	38UL	B	LAUNCH	MOC	CSMCATJ	
45A	19	38UR	B	LAUNCH	DSC	CSMCATJ	
45A	19	38LL	B	FC 2	MOC	CSMCATW	
45A	19	38LR	B	FC 2	DSC	CSMCATW	
45A	19	39UL	B	ENTRY	MOC	CSMCATZ	
45A	19	39UR	B	ENTRY	DSC	CSMCATZ	
45A	19	39LL	B	FC 3	MOC	CSMCATX	
45A	19	39LR	B	FC 3	DSC	CSMCATX	
45A	19	40UL		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	19	40UR		(BLANK)	DSC	043U	
45A	19	40LL	B	CSM * COM	MOC	CSMCATY	
45A	19	40LR	B	CSM * COM	DSC	CSMCATY	
45A	19	41UL	B	ALL * GNC	MOC	CSMCATGNC	
45A	19	41UR	B	ALL * GNC	DSC	CSMCATGNC	
45A	19	41LL	B	QD A	MOC	CSMCATG	
45A	19	41LR	B	QD A	DSC	CSMCATG	
45A	19	42UL	B	SCS	MOC	CSMCATB	
45A	19	42UR	B	SCS	DSC	CSMCATB	
45A	19	42LL	B	QD B	MOC	CSMCATH	
45A	19	42LR	B	QD B	DSC	CSMCATH	
45A	19	43UL	B	ISS	MOC	CSMCATD	
45A	19	43UR	B	ISS	DSC	CSMCATD	
45A	19	43LL	B	QD C	MOC	CSMCATI	
45A	19	43LR	B	QD C	DSC	CSMCATI	
45A	19	44UL	B	SEP	MOC	CSMCATE	
45A	19	44UR	B	SEP	DSC	CSMCATE	
45A	19	44LL	B	QD D	MOC	CSMCATK	
45A	19	44LR	B	QD D	DSC	CSMCATK	
45A	19	45UL	B	ALL * TELMU	MOC	LEMCATECM	
45A	19	45UR	B	ALL * TELMU	DSC	LEMCATECM	
45A	19	45LL	B	CRIT * TELMU	MOC	LEMCRTECM	
45A	19	45LR	B	CRIT * TELMU	DSC	LEMCRTECM	
45A	19	46UL	B	STAGED	MOC	LEMCAT2	
45A	19	46UR	B	STAGED	DSC	LEMCAT2	
45A	19	46LL	B	ASC * BAT	MOC	LEMCAT4	
45A	19	46LR	B	ASC * BAT	DSC	LEMCAT4	
45A	19	47UL	B	PRELNCH	MOC	LEMCAT3	
45A	19	47UR	B	PRELNCH	DSC	LEMCAT3	
45A	19	47LL	B	PLSS	MOC	LEMCAT5	
45A	19	47LR	B	PLSS	DSC	LEMCAT5	
45A	19	48UL		(BLANK)	MOC	043U	
45A	19	48UR		(BLANK)	DSC	043U	
45A	19	48LL	B	LM * COM	MOC	LEMCAT9	
45A	19	48LR	B	LM * COM	DSC	LEMCAT9	
45A	19	49UL	B	ALL * CONT	MOC	LEMCATGNC	
45A	19	49UR	B	ALL * CONT	DSC	LEMCATGNC	
45A	19	49LL	B	CRIT * CONT	MOC	LEMCRTGNC	
45A	19	49LR	B	CRIT * CONT	DSC	LEMCRTGNC	
45A	19	50UL	B	LAUNCH	MOC	LEMCAT6	
45A	19	50UR	B	LAUNCH	DSC	LEMCAT6	
45A	19	50LL	B	ABRT * STG	MOC	LEMCAT8	
45A	19	50LR	B	ABRT * STG	DSC	LEMCAT8	
45A	19	51UL	B	COAST	MOC	LEMCAT7	
45A	19	51UR	B	COAST	DSC	LEMCAT7	
45A	19	51LL	B	L SURF * CRIT	MOC	LEMCAT10	
45A	19	51LR	B	L SURF * CRIT	DSC	LEMCAT10	
45A	19	52UL		(BLANK)	MOC	043U	
45A	19	52UR		(BLANK)	DSC	043U	
45A	19	52LL		(BLANK)	MOC	043U	
45A	19	52LR		(BLANK)	DSC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	53		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	
45A	19	54		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	04	01U	A	RESTART * MOC	MOC	024R	
46A	04	01L	A	RESTART * DSC	DSC	024R	
46A	04	02U	A	NO MESS * MOC	MOC	017N	
46A	04	02L	A	NO MESS * DSC	DSC	017N	
46A	04	03U	R	MISSING * MOC	MOC	061M	
46A	04	03L	R	MISSING * DSC	DSC	061M	
46A	04	04U	A	OFF TRACK * LCBND	MOC	034O	
46A	04	04L		(BLANK)	DSC	043U	
46A	04	05U	A	NOT VALID * MOC	MOC	024N	
46A	04	05L	A	NOT VALID * DSC	DSC	024N	
46A	04	06U	W	LCBND * VID	MOC	199L	
46A	04	06L		(BLANK)	DSC	043U	
46A	04	07U	W	BAD CHAR * CNT LCBND	MOC	146B	
46A	04	07L		(BLANK)	DSC	043U	
46A	04	08U	W	TEST * LCBND	MOC	070T	
46A	04	08L		(BLANK)	DSC	043U	
46A	04	09U		(BLANK)	MOC	043U	
46A	04	09L		(BLANK)	DSC	043U	
46A	04	10U		(BLANK)	MOC	043U	
46A	04	10L		(BLANK)	DSC	043U	
46A	04	11U		(BLANK)	MOC	043U	
46A	04	11L		(BLANK)	DSC	043U	
46A	04	12U		(BLANK)	MOC	043U	
46A	04	12L		(BLANK)	DSC	043U	
46A	04	13U	W	CRO * MOC	MOC	060C	
46A	04	13L	W	CRO * DSC	DSC	060C	
46A	04	14U		(BLANK)	MOC	043U	
46A	04	14L		(BLANK)	DSC	043U	
46A	04	15U		(BLANK)	MOC	043U	
46A	04	15L		(BLANK)	DSC	043U	
46A	04	16U	W	CAL * MOC	MOC	005C	
46A	04	16L	W	CAL * DSC	DSC	005C	
46A	04	17U	W	CLQ * MOC	MOC	366C	
46A	04	17L	W	CLQ * DSC	DSC	366C	
46A	04	18U	W	WHS * MOC	MOC	002W	
46A	04	18L	W	WHS * DSC	DSC	002W	
46A	08	01U	G	DATA IN * TRANS	MOC	600DA	
46A	08	01L		(BLANK)	MOC	043U	
46A	08	02U	W	MANUAL	MOC	603MA	
46A	08	02L	W	AUTO	MOC	602AA	
46A	08	03U	R	UPDATE * IN PROC	MOC	065M	
46A	08	03L	G	OPTICS	MOC	054O	
46A	08	04U	W	NO UPDATE	MOC	600NA	
46A	08	04L	W	UPDATE	MOC	602UA	
46A	08	05U	W	DC IN * PROCESS	MOC	601DA	
46A	08	05L		(BLANK)	MOC	043U	
46A	08	06U	W	DECISION * REQUIRED	MOC	602DA	
46A	08	06L		(BLANK)	MOC	043U	
46A	08	07U	R	CSM STA * CONTACTS	MOC	378C	
46A	08	07L	R	LM STA * CONTACTS	MOC	268L	
46A	08	08U	R	RESIDUAL * COMP	MOC	273R	
46A	08	08L	R	VECTOR * COMP PROC	MOC	071V	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	08	09U	R	RTE	MOC	252R	
46A	08	09L	R	ENTRY TRJ * UPDATE	MOC	086E	
46A	08	10U	R	MIDCOURSE * PLANNING	MOC	178M	
46A	08	10L	R	TLI * PLANNING	MOC	095T	
46A	08	11U	R	LOI * PLANNING	MOC	279L	
46A	08	11L	R	RNDZ * PLANNING	MOC	251R	
46A	08	12U		(BLANK)	MOC	043U	
46A	08	12L	B	SE ON-LINE * COMMENT	MOC	020S	
46A	08	13U	G	DATA IN * TRANS	DSC	600DA	
46A	08	13L		(BLANK)	DSC	043U	
46A	08	14U	W	MANUAL	DSC	603MA	
46A	08	14L	W	AUTO	DSC	602AA	
46A	08	15U	R	UPDATE * IN PROCESS	DSC	601UA	
46A	08	15L	G	OPTICS * DSC	DSC	054O	
46A	08	16U	W	NO UPDATE	DSC	600NA	
46A	08	16L	W	UPDATE	DSC	602UA	
46A	08	17U	W	DC IN * PROCESS	DSC	601DA	
46A	08	17L		(BLANK)	DSC	043U	
46A	08	18U	W	DECISION * REQUIRED	DSC	602DA	
46A	08	18L	B	SE ON-LINE * COMMENT	DSC	020S	
46A	10	01U	G	IP SMOOTH	MOC	600IA	
46A	10	01L	G	SHIP-C BAND	MOC	602SA	
46A	10	02U	W	AZUSA * MK II	MOC	600AA	
46A	10	02L	W	PAT	MOC	601PA	
46A	10	03U	W	MLA	MOC	611MA	
46A	10	03L	W	CNV	MOC	600CA	
46A	10	04U	W	GBI	MOC	600GA	
46A	10	04L	W	BDAC	MOC	602BA	
46A	10	05U	W	ASC	MOC	617AA	
46A	10	05L	W	GTI	MOC	601GA	
46A	10	06U	W	BDQ	MOC	608BA	
46A	10	06L	W	ANT	MOC	601AA	
46A	10	07U	G	IP RAW	MOC	602IA	
46A	10	07L	G	AGC/LGC	MOC	601SA	
46A	10	08U	W	MLA	MOC	611MB	
46A	10	08L		(BLANK)	MOC	043U	
46A	10	09U	W	PAT	MOC	601PB	
46A	10	09L	W	ACN	MOC	610AA	
46A	10	10U	W	GBI	MOC	600GB	
46A	10	10L	W	CNV	MOC	600CB	
46A	10	11U	W	GTI	MOC	601GB	
46A	10	11L	W	BDA	MOC	602BJ	
46A	10	12U	W	ANT	MOC	601AB	
46A	10	12L	W	BDQ	MOC	608BB	
46A	10	13U	G	USB	MOC	600UA	
46A	10	13L	G	IU/AGS	MOC	610IA	
46A	10	14U	W	MIL	MOC	604MK	
46A	10	14L	W	SHIP-USB	MOC	603SA	
46A	10	15U	W	GBM	MOC	600GC	
46A	10	15L	W	ANG	MOC	618AA	
46A	10	16U	W	BDAS	MOC	602BB	
46A	10	16L	W	RID	MOC	608RA	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	10	17U	W	ACN	MOC	605AK	
46A	10	17L	W	MAD	MOC	011M	
46A	10	18U	W	CYI	MOC	109C	
46A	10	18L	W	CRO	MOC	604CM	
46A	11	01U	A	IP RAW * NO MESSAGE	MOC	012I	
46A	11	01L	A	IP SMOOTH * NO MESSAGE	MOC	023I	
46A	11	02U	A	IP RAW * BAD CHAR	MOC	013I	
46A	11	02L	A	IP SMOOTH * BAD CHAR CT	MOC	024I	
46A	11	03U	A	IP RAW * TEST	MOC	014I	
46A	11	03L	A	IP SMOOTH * TEST	MOC	025I	
46A	11	04U	A	IP RAW * NOT VALID	MOC	015I	
46A	11	04L	A	IP SMOOTH * FALSE CW	MOC	019I	
46A	11	05U	A	IP RAW * BAD CK SUM	MOC	016I	
46A	11	05L	A	IP SMOOTH * BAD CK SUM	MOC	020I	
46A	11	06U	A	IP RAW * ILLEG CODE	MOC	017I	
46A	11	06L	A	IP SMOOTH * NOT VALID	MOC	021I	
46A	11	07U	A	SHIP C-BAND * NO MESSAGE	MOC	055S	
46A	11	07L	A	USB * NO MESSAGE	MOC	034U	
46A	11	08U	A	SHIP * BAD CHAR	MOC	056S	
46A	11	08L	A	USB * NOT VALID	MOC	035U	
46A	11	09U	A	SHIP * TEST	MOC	057S	
46A	11	09L	A	USB NOT * AUTO TRACK	MOC	064U	
46A	11	10U	A	SHIP * NOT VALID	MOC	058S	
46A	11	10L	A	USB BAD * CHAR CNT	MOC	032U	
46A	11	11U	A	SHIP * BEACON TK	MOC	059S	
46A	11	11L	A	USB * TEST	MOC	037U	
46A	11	12U	A	SHIP BAD * CK SUM	MOC	060S	
46A	11	12L	A	USB * ILL CODE	MOC	036U	
46A	11	13U	A	IU * NO MESSAGE	MOC	035I	
46A	11	13L	A	AGC/LGC * NO MESSAGE	MOC	216A	
46A	11	14U	W	GWM	MOC	603GH	
46A	11	14L	W	GDS USB	MOC	026G	
46A	11	15U	W	CNB USB	MOC	045C	
46A	11	15L	W	PIR * USB	MOC	109P	
46A	11	16U	W	NBE * USB	MOC	460N	
46A	11	16L	W	GYM	MOC	605GF	
46A	11	17U	W	HAW USB	MOC	013H	
46A	11	17L	W	TEX USB	MOC	021T	
46A	11	18U	A	SHIP BAD * CK SUM	MOC	060S	
46A	11	18L	A	USB * ILL CODE	MOC	036U	
46A	12	01U	R	MOC	MOC	602MA	
46A	12	01L	R	DSC	DSC	602MA	
46A	12	02U	W	IU * MOC	MOC	603IA	
46A	12	02L	W	IU * DSC	DSC	603IA	
46A	12	03U		(BLANK)	MOC	043U	
46A	12	03L		(BLANK)	DSC	043U	
46A	12	04U	A	S BND * VID	MOC	626SA	
46A	12	04L		(BLANK)	DSC	043U	
46A	12	05U	A	C-BND * VID	MOC	616CA	
46A	12	05L		(BLANK)	DSC	043U	
46A	12	06U	A	S NOT 2-WAY * MOC	MOC	629SA	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	12	06L	A	S NOT 2-WAY * DSC	DSC	629SA	
46A	12	07U	R	MOC	MOC	602MB	
46A	12	07L	R	DSC	DSC	602MB	
46A	12	08U	W	IPS/R/SHP * MOC	MOC	604IA	
46A	12	08L	W	IPS/R/SHP * DSC	DSC	604IA	
46A	12	09U	A	NOISY DATA * MOC	MOC	601NA	
46A	12	09L	A	NOISY DATA * DSC	DSC	601NA	
46A	12	10U	A	RESTART * IPR	MOC	606RA	
46A	12	10L	A	RESTART * IPR	DSC	606RA	
46A	12	11U	A	OFF TRACK * MOC	MOC	604OA	
46A	12	11L	A	OFF TRACK * DSC	DSC	604OA	
46A	12	12U	A	SHIP C * NOT AUTO	MOC	628SA	
46A	12	12L	A	SHIP C * NOT AUTO	DSC	628SA	
46A	12	13U	R	MOC	MOC	602MC	
46A	12	13L	R	DSC	DSC	602MC	
46A	12	14U	W	USB * MOC	MOC	603UA	
46A	12	14L	W	USB * DSC	DSC	603UA	
46A	12	15U	A	RESTART * MOC	MOC	602RA	
46A	12	15L	A	RESTART * DSC	DSC	602RA	
46A	12	16U	A	BAD ANGLES	MOC	605BA	
46A	12	16L	A	BAD ANGLES	DSC	605BA	
46A	12	17U	A	BAD RR	MOC	606BA	
46A	12	17L	A	BAD RR	DSC	606BA	
46A	12	18U	A	DESTRUCT	MOC	603DA	
46A	12	18L	A	DESTRUCT	DSC	603DA	
46A	12	19U	R	MOC	MOC	602MD	
46A	12	19L	R	DSC	DSC	602MD	
46A	12	20U	W	AGC/LGC MOC	MOC	613AA	
46A	12	20L	W	AGC/LGC DSC	DSC	613AA	
46A	12	21U		(BLANK)	MOC	043U	
46A	12	21L		(BLANK)	DSC	043U	
46A	12	22U		(BLANK)	MOC	043U	
46A	12	22L		(BLANK)	DSC	043U	
46A	12	23U		(BLANK)	MOC	043U	
46A	12	23L		(BLANK)	DSC	043U	
46A	12	24U		(BLANK)	MOC	043U	
46A	12	24L		(BLANK)	DSC	043U	
46A	15	01	W	CSM	CAJU	073C	
46A	15	02	W	LM	CAJU	010L	
46A	15	03	W	AUTO * MODE	CAJU	107A	
46A	15	04	W	MANUAL * MODE	CAJU	163M	
46A	15	05	W	UPDATE * MODE	CAJU	077U	
46A	15	06	W	NO-UPDATE * MODE	CAJU	450N	
46A	15	07	W	ACCEPT	CAJU	084A	
46A	15	08	W	REJECT	CAJU	167R	
46A	15	09	W	SS1 NO * A-PRIORI	CAJU	347S	
46A	15	10	W	SS2 T/M * A-PRIORI	CAJU	348S	
46A	15	11	W	SS3 MANUAL * A-PRIORI	CAJU	349S	
46A	15	12	W	MULTI * STATION	CAJU	166M	
46A	15	13	W	KΓ SMALL	CAJU	007K	55
46A	15	14	W	KΓ LARGE	CAJU	008K	55
46A	15	15	W	α SMALL	CAJU	451N	97

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	15	16	W	α LARGE	CAJU	452N	97
46A	15	17	W	Kρ SMALL	CAJU	009K	98
46A	15	18	W	Kρ LARGE	CAJU	010K	98
46A	16	01	W	MOD F * ZERO	CAJU	164M	
46A	16	02	W	MOD F * LARGE	CAJU	165M	
46A	16	03	W	FORCE	CAJU	039F	
46A	16	04	W	REJECT * BIASES	CAJU	028R	
46A	16	05	W	ZERO EDIT * LOOPS	CAJU	003Z	
46A	16	06	W	NORM EDIT * LOOPS	CAJU	076N	
46A	16	07	W	SUBSELECT * IPS	CAJU	350S	
46A	16	08	W	SUBSELECT * SHIP C BND	CAJU	351S	
46A	16	09	W	SUBSELECT * IPR	CAJU	352S	
46A	16	10		(BLANK)	CAJU	043U	
46A	16	11		(BLANK)	CAJU	043U	
46A	16	12		(BLANK)	CAJU	043U	
46A	16	13		(BLANK)	CAJU	043U	
46A	16	14		(BLANK)	CAJU	043U	
46A	16	15	W	CLEAR	CAJU	028C	
46A	16	16	W	MOC ENTER	CAJU	167M	25
46A	16	17	W	DSC ENTER	CAJU	082D	25
46A	16	18	W	BOTH ENTER	CAJU	163B	25
46A	17	01U	G	DATA IN * TRANS	MOC	600DB	
46A	17	01L		(BLANK)	MOC	043U	
46A	17	02U	W	MANUAL	MOC	603MB	
46A	17	02L	W	AUTO	MOC	602AB	
46A	17	03U	R	UPDATE * IN PROC	MOC	089L	
46A	17	03L		(BLANK)	MOC	043U	
46A	17	04U	W	NO UPDATE	MOC	600NB	
46A	17	04L	W	UPDATE	MOC	602UB	
46A	17	05U	W	DC IN * PROCESS	MOC	601DB	
46A	17	05L		(BLANK)	MOC	043U	
46A	17	06U	W	DECISION * REQUIRED	MOC	602DB	
46A	17	06L	G	RNDZ * RDR	MOC	250R	
46A	17	07U		(BLANK)	MOC	043U	
46A	17	07L		(BLANK)	MOC	043U	
46A	17	08U		(BLANK)	MOC	043U	
46A	17	08L		(BLANK)	MOC	043U	
46A	17	09U		(BLANK)	MOC	043U	
46A	17	09L		(BLANK)	MOC	043U	
46A	17	10U		(BLANK)	MOC	043U	
46A	17	10L		(BLANK)	MOC	043U	
46A	17	11U		(BLANK)	MOC	043U	
46A	17	11L		(BLANK)	MOC	043U	
46A	17	12U		(BLANK)	MOC	043U	
46A	17	12L		(BLANK)	MOC	043U	
46A	17	13U	G	DATA IN * TRANS	DSC	600DB	
46A	17	13L		(BLANK)	DSC	043U	
46A	17	14U	W	MANUAL	DSC	603MB	
46A	17	14L	W	AUTO	DSC	602AB	
46A	17	15U	R	UPDATE * IN PROC	DSC	089L	
46A	17	15L		(BLANK)	DSC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
46A	17	16U	W	NO UPDATE	DSC	600NB	
46A	17	16L	W	UPDATE	DSC	602UB	
46A	17	17U	W	DC IN * PROCESS	DSC	601DB	
46A	17	17L		(BLANK)	DSC	043U	
46A	17	18U	W	DECISION * REQUIRED	DSC	602DB	
46A	17	18L	W	RNDZ * RDR	DSC	250R	
46A	18	01	W	1	CAJU	027N	
46A	18	02	W	2	CAJU	028N	
46A	18	03	W	3	CAJU	029N	
46A	18	04	W	4	CAJU	030N	
46A	18	05	W	ALL * EXCEPT	CAJU	293A	
46A	18	06	W	ΔR/ΔH	CAJU	005D	38
46A	18	07	W	PNGS	CAJU	114P	
46A	18	08	W	AGS	CAJU	033A	
46A	18	09		(BLANK)	CAJU	043U	
46A	18	10	W	PNGS * MSFN	CAJU	114R	
46A	18	11	W	PNGS * AGS	CAJU	114T	
46A	18	12	W	AGS * MSFN	CAJU	008A	
46A	18	13	W	TELEMETRY * AVGC	CAJU	098T	
46A	18	14	W	RTCC * NOMINAL	CAJU	258R	
46A	18	15		(BLANK)	CAJU	043U	
46A	18	16	W	RESTART * PNGS	CAJU	005R	25
46A	18	17	W	RESTART * AGS	CAJU	005R	25
46A	18	18	W	STOP	CAJU	441S	25
46A	19	01	W	CMC	CAJU	288C	
46A	19	02	W	LGC	CAJU	026L	
46A	19	03	W	AGS	CAJU	033A	
46A	19	04	W	IU	CAJU	032I	
46A	19	05	W	HS RADAR	CAJU	069H	
46A	19	06	W	DC	CAJU	083D	
46A	19	07	W	CSM	CAJU	073C	
46A	19	08	W	LM (OTHER)	CAJU	221L	
46A	19	09		(BLANK)	CAJU	043U	
46A	19	10	W	HIGH SPEED	CAJU	070H	
46A	19	11	W	LOW SPEED	CAJU	222L	
46A	19	12	W	TO * EVALUATION * SLOT	CAJU	084T	
46A	19	13	W	TO USABLE * VEC SLOT	CAJU	285T	
46A	19	14	W	TO EPHEM * UPDATE	CAJU	286T	25
46A	19	15	W	CLEAR	CAJU	028C	
46A	19	16	W	MOC	CAJU	063M	25
46A	19	17	W	DSC	CAJU	014D	25
46A	19	18	W	BOTH	CAJU	029B	25

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	01	01U	G	L/O	MOC	028LEV	
47A	01	01L	A	L/O	MOC	028L	
47A	01	02U	A	SLV * GRR	MOC	GMW1D26	
47A	01	02L	W	CMC GRR * 931C3006R	MOC	CH30B06	
47A	01	03U	G	LES ABORT	MOC	049LEV	
47A	01	03L		(BLANK)	MOC	043U	
47A	01	04U	A	VEL	MOC	052V	
47A	01	04L	A	WEDGE	MOC	008W	
47A	01	05U	R	ABORT	MOC	001A	
47A	01	05L	G	ORBIT	MOC	0140	
47A	01	06U	W	MSS * SWITCH II	MOC	083M	
47A	01	06L	W	MSS * SWITCH III	MOC	084M	
47A	01	07U	G	MODE I	MOC	078M	
47A	01	07L	R	MODE I	MOC	607MB	
47A	01	08U	G	MODE II	MOC	079M	
47A	01	08L	R	MODE II	MOC	608MB	
47A	01	09U	G	MODE III	MOC	080M	
47A	01	09L	R	MODE III	MOC	609MB	
47A	01	10U	A	ATL	MOC	217A	
47A	01	10L	A	IND	MOC	096I	
47A	01	11U	A	SIC OBECO * (TB3)	MOC	GMW1D19	
47A	01	11L	A	S-IVB ENG * IGN	MOC	SIU01E	
47A	01	12U	G	TWR * JETT	MOC	054TEV	
47A	01	12L		(BLANK)	MOC	043U	
47A	01	13U	G	S-IVB ENG * CUTOFF	MOC	144SEV	
47A	01	13L	A	S-IVB ENG * CUTOFF	MOC	SIU02E	
47A	01	14U	G	S-IVB * CSM/LM SEP	MOC	088AEV	
47A	01	14L		(BLANK)	MOC	043U	
47A	01	15U	G	THRUST	MOC	179REV	
47A	01	15L		(BLANK)	MOC	043U	
47A	01	16U	W	MAX LIFT	MOC	030M	
47A	01	16L	W	HALF LIFT	MOC	001H	
47A	01	17U		(BLANK)	MOC	043U	
47A	01	17L		(BLANK)	MOC	043U	
47A	01	18U	G	GUIDO SW * PNGS	MOC	110G	
47A	01	18L	G	GUIDO SW * AGS	MOC	111G	
47A	02	01U	G	PRELAUNCH	MOC	022P	
47A	02	01L	G	LAUNCH	MOC	601LC	
47A	02	02U	G	ORBIT	MOC	0140A	
47A	02	02L	G	REENTRY	MOC	017R	
47A	02	03U	G	ASCENT	MOC	266L	
47A	02	03L	G	DESCENT	MOC	265L	
47A	02	04U	G	TRANS	MOC	103T	
47A	02	04L	G	HIGH SPD * ORBIT	MOC	015H	
47A	02	05U	G	LUNAR * ORBIT	MOC	281L	
47A	02	05L	G	LUNAR * STAY	MOC	282L	
47A	02	06U		(BLANK)	MOC	043U	
47A	02	06L		(BLANK)	MOC	043U	
47A	02	07U	G	COND * LAUNCH	MOC	053C	
47A	02	07L	A	COND * SIM	MOC	054C	
47A	02	08U	G	SPS * IGNITION	MOC	CSM01E	
47A	02	08L	G	S-IVB ENG * IGN	MOC	SIU01E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	02	09U	W	VECTOR * COMPARE	MOC	071V	
47A	02	09L	W	SPACE * DIGITAL	MOC	017S	
47A	02	10U	W	RESIDUAL * COMP	MOC	273R	
47A	02	10L	W	PDAP	MOC	038P	
47A	02	11U		(BLANK)	MOC	043U	
47A	02	11L		(BLANK)	MOC	043U	
47A	02	12U	B	DY ON-LINE * COMMENT	MOC	020D	
47A	02	12L	A	FDO SW'S * LIVE	MOC	007F	
47A	02	13U	A	L/O * EVENT	MOC	028LA	
47A	02	13L	A	L/O * NO EVENT	MOC	028LNEA	
47A	02	14U	A	TWR JETT * EVENT	MOC	054TEVA	
47A	02	14L	A	TWR JETT * NO EVENT	MOC	054TNEA	
47A	02	15U	A	S-IVB C/O * EVENT	MOC	144SEVA	
47A	02	15L	A	S-IVB C/O * NO EVENT	MOC	144SNEA	
47A	02	16U	A	S/C SEP * EVENT	MOC	088AEVA	
47A	02	16L	A	S/C SEP * NO EVENT	MOC	088ANEA	
47A	02	17U	A	THRUST * EVENT	MOC	179REVA	
47A	02	17L	A	THRUST * NO EVENT	MOC	179RNEA	
47A	02	18U	A	LES ABRT * EVENT	MOC	049LEVA	
47A	02	18L	A	LES ABRT * NO EVENT	MOC	049LNEA	
47A	03	01U	G	L/O	DSC	028LEV	
47A	03	01L	A	L/O	DSC	028L	
47A	03	02U	A	SLV * GRR	DSC	GMW1D26	
47A	03	02L	W	CMC GRR * 931C3006R	DSC	CH30B06	
47A	03	03U	G	LES ABORT	DSC	049LEV	
47A	03	03L		(BLANK)	DSC	043U	
47A	03	04U	A	VEL	DSC	052V	
47A	03	04L	A	WEDGE	DSC	008W	
47A	03	05U	R	ABORT	DSC	001A	
47A	03	05L	G	ORBIT	DSC	014O	
47A	03	06U	W	MSS * SWITCH II	DSC	083M	
47A	03	06L	W	MSS * SWITCH III	DSC	084M	
47A	03	07U	G	MODE I	DSC	078M	
47A	03	07L	R	MODE I	DSC	607MB	
47A	03	08U	G	MODE II	DSC	079M	
47A	03	08L	R	MODE II	DSC	608MB	
47A	03	09U	G	MODE III	DSC	080M	
47A	03	09L	R	MODE III	DSC	609MB	
47A	03	10U	A	ATL	DSC	217A	
47A	03	10L	A	IND	DSC	096I	
47A	03	11U	A	SIC OBECO * (TB3)	DSC	GMW1D19	
47A	03	11L	A	S-IVB ENG * IGN	DSC	SIU01E	
47A	03	12U	G	TWR * JETT	DSC	054TEV	
47A	03	12L		(BLANK)	DSC	043U	
47A	03	13U	G	S-IVB ENG * CUTOFF	DSC	144SEV	
47A	03	13L	A	S-IVB ENG * CUTOFF	DSC	SIU02E	
47A	03	14U	G	S-IVB * CSM/LM SEP	DSC	088AEV	
47A	03	14L		(BLANK)	DSC	043U	
47A	03	15U	G	THRUST	DSC	179REV	
47A	03	15L	A	(BLANK)	DSC	043U	
47A	03	16U	W	MAX LIFT	DSC	030M	
47A	03	16L	W	HALF LIFT	DSC	001H	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	03	17U		(BLANK)	DSC	043U	
47A	03	17L		(BLANK)	DSC	043U	
47A	03	18U	G	GUIDO SW * PNGS	DSC	110G	
47A	03	18L	G	GUIDO SW * AGS	DSC	111G	
47A	04	01U	G	PRELAUNCH	DSC	022P	
47A	04	01L	G	LAUNCH	DSC	601LC	
47A	04	02U	G	ORBIT	DSC	0140A	
47A	04	02L	G	REENTRY	DSC	017R	
47A	04	03U	G	ASCENT	DSC	266L	
47A	04	03L	G	DESCENT	DSC	265L	
47A	04	04U	G	TRANS	DSC	103T	
47A	04	04L	G	HIGH SPD * ORBIT	DSC	015H	
47A	04	05U	G	LUNAR * ORBIT	DSC	281L	
47A	04	05L	G	LUNAR * STAY	DSC	282L	
47A	04	06U		(BLANK)	DSC	043U	
47A	04	06L		(BLANK)	DSC	043U	
47A	04	07U	G	COND * LAUNCH	DSC	053C	
47A	04	07L	A	COND * SIM	DSC	054C	
47A	04	08U	G	SPS * IGNITION	DSC	CSM01E	
47A	04	08L	G	S-IVB ENG * IGN	DSC	SIU01E	
47A	04	09U	W	VECTOR * COMPARE	DSC	071V	
47A	04	09L	W	SPACE * DIGITAL	DSC	017S	
47A	04	10U	W	RESIDUAL * COMP	DSC	273R	
47A	04	10L	W	PDAP	DSC	038P	
47A	04	11U		(BLANK)	DSC	043U	
47A	04	11L		(BLANK)	DSC	043U	
47A	04	12U	B	DY ON-LINE * COMMENT	DSC	020D	
47A	04	12L	A	FDO SW'S * LIVE	DSC	007F	
47A	04	13U	A	L/O * EVENT	DSC	028LA	
47A	04	13L	A	L/O * NO EVENT	DSC	028LNEA	
47A	04	14U	A	TWR JETT * EVENT	DSC	054TEVA	
47A	04	14L	A	TWR JETT * NO EVENT	DSC	054TNEA	
47A	04	15U	A	S-IVB C/O * EVENT	DSC	144SEVA	
47A	04	15L	A	S-IVB C/O * NO EVENT	DSC	144SNEA	
47A	04	16U	A	S/C SEP * EVENT	DSC	088AEVA	
47A	04	16L	A	S/C SEP * NO EVENT	DSC	088ANEA	
47A	04	17U	A	THRUST * EVENT	DSC	179REVA	
47A	04	17L	A	THRUST * NO EVENT	DSC	179RNEA	
47A	04	18U	A	LES ABRT * EVENT	DSC	049LEVA	
47A	04	18L	A	LES ABRT * NO EVENT	DSC	049LNEA	
47A	08	01U	W	MOC CSM * TRJ UPDATE	MOC	065M	
47A	08	01L	W	DSC CSM * TRJ UPDATE	DSC	065M	
47A	08	02U	W	MOC PRIME * DEORBIT	MOC	024P	
47A	08	02L	W	DSC PRIME * DEORBIT	DSC	024P	
47A	08	03U	W	MOC CONT * DEORBIT	MOC	056C	
47A	08	03L	W	DSC CONT * DEORBIT	DSC	056C	
47A	08	04U	W	MOC MANUAL * DEORB	MOC	155M	
47A	08	04L	W	DSC MANUAL * DEORB	DSC	155M	
47A	08	05U	W	DC IN * PROC CSM	MOC	601DA	
47A	08	05L	W	DC IN * PROC CSM	DSC	601DA	
47A	08	06U	W	CSM UPDT * INCOM	MOC	267C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	08	06L	W	CSM UPDT * INCOM	DSC	267C	
47A	08	07U	W	MOC LM * TRJ UPDTE	MOC	089L	
47A	08	07L	W	DSC LM * TRJ UPDTE	DSC	089L	
47A	08	08U	W	ENTRY TRJ * UPDATE	MOC	086E	
47A	08	08L	W	ENTRY TRJ * UPDATE	DSC	086E	
47A	08	09U	W	S/C SET * ENTRY UPD	MOC	385S	
47A	08	09L	W	S/C SET * ENTRY UPD	DSC	385S	
47A	08	10U	W	LOI * PLANNING	MOC	279L	
47A	08	10L	W	LOI * PLANNING	DSC	279L	
47A	08	11U	W	DC IN * PROC LM	MOC	601DB	
47A	08	11L	W	DC IN * PROC LM	DSC	601DB	
47A	08	12U	W	LM UPDT * INCOM	MOC	200L	
47A	08	12L	W	LM UPDT * INCOM	DSC	200L	
47A	08	13U	W	RNDZ * PLANNING	MOC	251R	
47A	08	13L	W	RNDZ * PLANNING	DSC	251R	
47A	08	14U	W	TLI * PLANNING	MOC	095T	
47A	08	14L	W	TLI * PLANNING	DSC	095T	
47A	08	15U	W	MIDCOURSE * PLANNING	MOC	178M	
47A	08	15L	W	MIDCOURSE * PLANN ING	DSC	178M	
47A	08	16U	W	RTE * PLANNING	MOC	252R	
47A	08	16L	W	RTE * PLANNING	DSC	252R	
47A	08	17U	W	CSM STA * CONTACTS	MOC	378C	
47A	08	17L	W	CSM STA * CONTACTS	DSC	378C	
47A	08	18U	W	LM STA * CONTACTS	MOC	268L	
47A	08	18L	W	LM STA * CONTACTS	DSC	268L	
47A	13	01	W	LAUNCH	PBI	01	
47A	13	02	W	FDO * E/O/TLI * MCC/LOI	PBI	02	
47A	13	03	W	FDO * LUNAR * ORBIT	PBI	03	
47A	13	04	W	GDO * E/O * TRANS L/E	PBI	04	
47A	13	05	W	GDO * CSM * LUNAR	PBI	05	
47A	13	06	W	GDO * LM * LUNAR	PBI	06	
47A	13	07	W	RFO * LAUNCH	PBI	07	
47A	13	08	W	RFO * EARTH * ORBIT	PBI	08	
47A	13	09	W	RFO * COAST * LUNAR	PBI	09	
47A	13	10	W	GDO * TAB * CMC	PBI	10	
47A	13	11	W	GDO * TAB * LGC	PBI	11	
47A	13	12		(BLANK)	PBI	043U	
47A	15	01U	G	UPPER	MOC	022U	
47A	15	01L	B	LOWER	MOC	021L	
47A	15	02U	G	CSM	MOC	055C	
47A	15	02L	B	LEM	MOC	012L	
47A	15	03U	W	CLEAR	MOC	048C	
47A	15	03L	R	ERROR	MOC	010E	
47A	15	04	W	ENTER	MOC	008E	
47A	15	05	W	READ	MOC	026R	
47A	15	06	R	SAVE	MOC	008S	25
47A	15	07U	G	2IM	MOC	016N	
47A	15	07L	B	DMT 1	MOC	009D	
47A	15	08U	G	RVRS	MOC	027R	
47A	15	08L	B	DMT 2	MOC	012D	
47A	15	09U	G	PN CR	MOC	003P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	15	09L	B	SD 1	MOC	010S	
47A	15	10U	G	PN TP	MOC	006P	
47A	15	10L	B	SD 2	MOC	011S	
47A	15	11U	G	OLMC	MOC	003O	
47A	15	11L	B	SD 3	MOC	012S	
47A	15	12U	G	X VEC	MOC	005X	
47A	15	12L	B	X MNV	MOC	002X	
47A	15	13U	G	CC	MOC	046C	
47A	15	13L	B	2IS	MOC	018N	
47A	15	14U	G	LC	MOC	003L	
47A	15	14L	B	MHD	MOC	021M	
47A	15	15U	G	AC	MOC	015A	
47A	15	15L	B	PSAT	MOC	008P	
47A	15	16U	G	IC	MOC	001I	
47A	15	16L	B	SUN	MOC	013S	
47A	15	17U	G	HC	MOC	019H	
47A	15	17L	B	FOD R	MOC	005F	
47A	15	18U	G	DC	MOC	006D	
47A	15	18L	B	FOD M	MOC	004F	
47A	16	01U	G	CL	MOC	047C	
47A	16	01L	B	COM	MOC	051C	
47A	16	02U	G	LL	MOC	018L	
47A	16	02L	B	MVI	MOC	026M	
47A	16	03U	G	AL	MOC	022A	
47A	16	03L	B	MVE	MOC	022M	
47A	16	04U	G	IL	MOC	003I	
47A	16	04L	B	ECT	MOC	007E	
47A	16	05U	G	HL	MOC	021H	
47A	16	05L	B	MCT	MOC	017M	
47A	16	06U	G	DL	MOC	007D	
47A	16	06L	B	MCI	MOC	015M	
47A	16	07U	G	CUR	MOC	052C	
47A	16	07L	B	1	MOC	012N	
47A	16	08U	G	PCR	MOC	002P	
47A	16	08L	B	2	MOC	013N	
47A	16	09U	G	TLM	MOC	006T	
47A	16	09L	B	3	MOC	019N	
47A	16	10U	G	LCV	MOC	004L	
47A	16	10L	B	4	MOC	020N	
47A	16	11U	G	OST	MOC	004O	
47A	16	11L	B	5	MOC	021N	
47A	16	12U	G	AGS	MOC	020A	
47A	16	12L	B	6	MOC	022N	
47A	16	13U	G	MED	MOC	019M	
47A	16	13L	B	7	MOC	025N	
47A	16	14U	G	DMT	MOC	008D	
47A	16	14L	B	8	MOC	039N	
47A	16	15U	G	DOD	MOC	013D	
47A	16	15L	B	9	MOC	041N	
47A	16	16U	G	DOK	MOC	015D	
47A	16	16L	B	10	MOC	043N	
47A	16	17U	G	LLA	MOC	019L	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
47A	16	17L	B	20	MOC	045N	
47A	16	18U	G	LLD	MOC	020L	
47A	16	18L	B	30	MOC	051N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	01	01U	G	L/O	MOC	028LEV	
48A	01	01L	A	L/O	MOC	028L	
48A	01	02U	A	TWR * JETT	MOC	054TEV	
48A	01	02L	W	LES ABORT	MOC	049LEV	
48A	01	03U	G	S-IVB ENG * CUTOFF	MOC	144SEV	
48A	01	03L	A	S-IVB ENG * CUTOFF	MOC	SIU02E	
48A	01	04U	W	SEP	MOC	088AEV	
48A	01	04L	W	THRUST	MOC	179REV	
48A	01	05U	G	MAX LIFT	MOC	030M	
48A	01	05L	G	HALF LIFT	MOC	001H	
48A	01	06U	W	MSS * SWITCH II	MOC	083M	
48A	01	06L	W	MSS * SWITCH III	MOC	084M	
48A	01	07U	G	MODE I	MOC	078M	
48A	01	07L	R	MODE I	MOC	607MB	
48A	01	08U	G	MODE II	MOC	079M	
48A	01	08L	R	MODE II	MOC	608MB	
48A	01	09U	G	MODE III	MOC	080M	
48A	01	09L	R	MODE III	MOC	609MB	
48A	01	10U	R	ABORT	MOC	001A	
48A	01	10L	A	ORBIT	MOC	0140	
48A	01	11U	G	ATL	MOC	217A	
48A	01	11L	A	IND	MOC	096I	
48A	01	12U	G	CSM L/S	MOC	600DA	
48A	01	12L	G	LM L/S	MOC	600DB	
48A	01	13U	G	SI	MOC	382S	
48A	01	13L	G	SII	MOC	383S	
48A	01	14U	G	SIU	MOC	384S	
48A	01	14L	G	AMD	MOC	612AB	
48A	01	15U	G	CSM	MOC	073C	
48A	01	15L	G	AGC	MOC	021A	
48A	01	16U	G	LM	MOC	010L	
48A	01	16L	G	LGC	MOC	026L	
48A	01	17U	G	RNDZ * RDR	MOC	250R	
48A	01	17L	G	AGS	MOC	033A	
48A	01	18U	G	CSM H/S	MOC	377C	
48A	01	18L	G	LEM H/S	MOC	264L	
48A	03	01	G	TDS	PBI	46A-03	
48A	03	02	G	TLM	PBI	45A-07	
48A	03	03	G	N&C	PBI	49A-03	
48A	03	04	G	FD	PBI	47A-06	
48A	03	05	G	M&O	PBI	51-15-01	
48A	03	06		(BLANK)	PBI	043U	
48A	03	07	A	TDS	PBI	46A-03	
48A	03	08	A	TLM	PBI	45A-07	
48A	03	09	A	N&C	PBI	49A-03	
48A	03	10	A	FD	PBI	47A-06	
48A	03	11	A	M&O	PBI	51-15-07	
48A	03	12		(BLANK)	PBI	043U	
48A	03	13	R	TDS	PBI	46A-03	
48A	03	14	R	TLM	PBI	45A-07	
48A	03	15	R	N&C	PBI	49A-03	
48A	03	16	R	FD	PBI	47A-06	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	03	17	R	M&O	PBI	51-15-13	
48A	03	18		(BLANK)	PBI	043U	
48A	08	01U	A	SLV * GRR	MOC	GMW1D26	
48A	08	01L	A	CMC GRR * 931C3006R	MOC	CH30B06	
48A	08	02U		(BLANK)	MOC	043U	
48A	08	02L	A	SIC OBECO * (TB3)	MOC	GMW1D19	
48A	08	03U		(BLANK)	MOC	043U	
48A	08	03L		(BLANK)	MOC	043U	
48A	08	04U	A	LES ABORT	MOC	CSM05E	
48A	08	04L	A	(BLANK)	MOC	043U	
48A	08	05U	A	S-IVB ENG * IGN	MOC	SIU01E	
48A	08	05L	A	EDS ABT A * CD0135X	MOC	CD0135	
48A	08	06U		(BLANK)	MOC	043U	
48A	08	06L		(BLANK)	MOC	043U	
48A	08	07U		(BLANK)	MOC	043U	
48A	08	07L	G	FDO SW'S * LIVE	MOC	007F	
48A	08	08U	A	SPS * IGNITION	MOC	CSM01E	
48A	08	08L	A	SPS C/O	MOC	CSM11E	
48A	08	09U		(BLANK)	MOC	043U	
48A	08	09L		(BLANK)	MOC	043U	
48A	08	10U		(BLANK)	MOC	043U	
48A	08	10L		(BLANK)	MOC	043U	
48A	08	11U		(BLANK)	MOC	043U	
48A	08	11L		(BLANK)	MOC	043U	
48A	08	12U	G	GUIDO SW * PNGS	MOC	110G	
48A	08	12L	G	GUIDO SW * AGS	MOC	111G	
48A	08	13U	G	L/O * EVENT	MOC	028LA	
48A	08	13L	G	L/O * NO EVENT	MOC	028LNEA	
48A	08	14U	G	TWR JETT * EVENT	MOC	054TEVA	
48A	08	14L	G	TWR JETT * NO EVENT	MOC	054TNEA	
48A	08	15U	G	S-IVB C/O * EVENT	MOC	144SEVA	
48A	08	15L	G	S-IVB C/O * NO EVENT	MOC	144SNEA	
48A	08	16U	G	S/C SEP * EVENT	MOC	088AEVA	
48A	08	16L	G	S/C SEP * NO EVENT	MOC	088ANEA	
48A	08	17U	G	THRUST * EVENT	MOC	179REVA	
48A	08	17L	G	THRUST * NO EVENT	MOC	179RNEA	
48A	08	18U	G	LES ABRT * EVENT	MOC	049LEVA	
48A	08	18L	G	LES ABRT * NO EVENT	MOC	049LNEA	
48A	11	01		RESTART A (UPPER POSITION)	CAJU	168R	
48A	11	01		(BLANK)	CAJU	043U	
48A	11	01		RESTART B (LOWER POSITION)	CAJU	169R	
48A	11	02		RESUME	CAJU	274R	
48A	11	02		(BLANK)	CAJU	043U	
48A	11	02		(BLANK)	CAJU	043U	
48A	11	03		EOF (UPPER POSITION)	CAJU	036E	
48A	11	03		(BLANK)	CAJU	043U	
48A	11	03		(BLANK)	CAJU	043U	
48A	11	04		(BLANK)	CAJU	043U	
48A	11	04		(BLANK)	CAJU	043U	
48A	11	04		(BLANK)	CAJU	043U	
48A	11	05		DEF ENAB	CAJU	108D	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	11	05		(BLANK)	CAJU	043U	
48A	11	05		DEF DISAB	CAJU	109D	
48A	11	06		MED DELOG	CAJU	185M	
48A	11	06		(BLANK)	CAJU	043U	
48A	11	06		(BLANK)	CAJU	043U	
48A	11	07		CPHEX DLG	CAJU	402C	
48A	11	07		(BLANK)	CAJU	043U	
48A	11	07		CPOCT DLG	CAJU	403C	
48A	11	08		CIM DLOG	CAJU	404C	
48A	11	08		(BLANK)	CAJU	043U	
48A	11	08		ACIM DLOG	CAJU	311A	
48A	11	09	W	MOC	CAJU	063M	
48A	11	10	W	DSC	CAJU	014D	
48A	11	11	W	BOTH	CAJU	029B	
48A	12	01U		(BLANK)	MOC	043U	
48A	12	01L		(BLANK)	MOC	043U	
48A	12	02U		(BLANK)	MOC	043U	
48A	12	02L		(BLANK)	MOC	043U	
48A	12	03U		(BLANK)	MOC	043U	
48A	12	03L		(BLANK)	MOC	043U	
48A	12	04U		(BLANK)	MOC	043U	
48A	12	04L		(BLANK)	MOC	043U	
48A	12	05U		(BLANK)	MOC	043U	
48A	12	05L		(BLANK)	MOC	043U	
48A	12	06U		(BLANK)	MOC	043U	
48A	12	06L		(BLANK)	MOC	043U	
48A	12	07U		(BLANK)	MOC	043U	
48A	12	07L		(BLANK)	MOC	043U	
48A	12	08U		(BLANK)	MOC	043U	
48A	12	08L		(BLANK)	MOC	043U	
48A	12	09U		(BLANK)	MOC	043U	
48A	12	09L		(BLANK)	MOC	043U	
48A	12	10U		(BLANK)	MOC	043U	
48A	12	10L		(BLANK)	MOC	043U	
48A	12	11U		(BLANK)	MOC	043U	
48A	12	11L		(BLANK)	MOC	043U	
48A	12	12U		(BLANK)	MOC	043U	
48A	12	12L		(BLANK)	MOC	043U	
48A	12	13U		(BLANK)	MOC	043U	
48A	12	13L		(BLANK)	MOC	043U	
48A	12	14U		(BLANK)	MOC	043U	
48A	12	14L		(BLANK)	MOC	043U	
48A	12	15U		(BLANK)	MOC	043U	
48A	12	15L		(BLANK)	MOC	043U	
48A	12	16U		(BLANK)	MOC	043U	
48A	12	16L		(BLANK)	MOC	043U	
48A	12	17U		(BLANK)	MOC	043U	
48A	12	17L		(BLANK)	MOC	043U	
48A	12	18U		(BLANK)	MOC	043U	
48A	12	18L		(BLANK)	MOC	043U	
48A	14	01U	W	PRELAUNCH	MOC	022P	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	14	01L	W	LAUNCH	MOC	601LC	
48A	14	02U	G	COND * LAUNCH	MOC	053C	
48A	14	02L	G	COND SIM * LNCH	MOC	054C	
48A	14	03U	W	HIGH SPD * ORBIT	MOC	015H	
48A	14	03L	G	L.S ORBIT	MOC	0140A	
48A	14	04U	W	LM * DESCENT	MOC	265L	
48A	14	04L	G	LM * ASCENT	MOC	266L	
48A	14	05U	R	LUNAR * STAY	MOC	282L	
48A	14	05L	G	ENTRY	MOC	017R	
48A	14	06U	G	TRANS	MOC	103T	
48A	14	06L	G	LUNAR * ORBIT	MOC	281L	
48A	14	07U	G	HI PRIOR * LOADING	MOC	092H	
48A	14	07L	A	LOW PRIOR * RESPONSE	MOC	267L	
48A	14	08U	A	ENTRY TRJ * UPDATE	MOC	086E	
48A	14	08L	A	S/C SET * ENTRY UPD	MOC	385S	
48A	14	09U	A	CSM STA * CONTACTS	MOC	378C	
48A	14	09L	A	LM STA * CONTACTS	MOC	268L	
48A	14	10U	A	CSM DC	MOC	601DA	
48A	14	10L	W	LM DC	MOC	601DB	
48A	14	11U	W	CSM UPDT * INCOM	MOC	267C	
48A	14	11L	W	LM UPDT * INCOM	MOC	200L	
48A	14	12U	W	CSM TRAJ * UPDATE	MOC	065M	
48A	14	12L	W	LM TRAJ * UPDATE	MOC	089L	
48A	14	13U	W	RNDZ * PLANNING	MOC	251R	
48A	14	13L	W	TLI * PLANNING	MOC	095T	
48A	14	14U	W	MIDCOURSE * PLANNING	MOC	178M	
48A	14	14L	W	LOI * PLANNING	MOC	279L	
48A	14	15U	W	RTE * PLANNING	MOC	252R	
48A	14	15L	W	PRIME * DEORBIT	MOC	024P	
48A	14	16U	W	CONT * DEORBIT	MOC	056C	
48A	14	16L	W	MANUAL * DEORB	MOC	155M	
48A	14	17U	W	VECTOR * COMP PROC	MOC	071V	
48A	14	17L	W	PDAP	MOC	038P	
48A	14	18U	W	SPACE * DIGITAL	MOC	017S	
48A	14	18L	W	RESIDUAL * COMP	MOC	273R	
48A	15	01U	G	L/O	DSC	028LEV	
48A	15	01L	A	L/O	DSC	028L	
48A	15	02U	A	TWR * JETT	DSC	054TEV	
48A	15	02L	W	LES ABORT	DSC	049LEV	
48A	15	03U	G	S-IVB ENG * CUTOFF	DSC	144SEV	
48A	15	03L	A	S-IVB ENG * CUTOFF	DSC	SIU02E	
48A	15	04U	W	SEP	DSC	088AEV	
48A	15	04L	W	THRUST	DSC	179REV	
48A	15	05U	G	MAX LIFT	DSC	030M	
48A	15	05L	G	HALF LIFT	DSC	001H	
48A	15	06U	W	MSS * SWITCH II	DSC	083M	
48A	15	06L	W	MSS * SWITCH III	DSC	084M	
48A	15	07U	G	MODE I	DSC	078M	
48A	15	07L	R	MODE I	DSC	607MB	
48A	15	08U	G	MODE II	DSC	079M	
48A	15	08L	R	MODE II	DSC	608MB	
48A	15	09U	G	MODE III	DSC	080M	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	15	09L	R	MODE III	DSC	609MB	
48A	15	10U	R	ABORT	DSC	001A	
48A	15	10L	A	ORBIT	DSC	0140	
48A	15	11U	G	ATL	DSC	217A	
48A	15	11L	A	IND	DSC	096I	
48A	15	12U	G	CSM L/S	DSC	600DA	
48A	15	12L	G	LM L/S	DSC	600DB	
48A	15	13U	G	SI	DSC	382S	
48A	15	13L	G	SII	DSC	383S	
48A	15	14U	G	SIU	DSC	384S	
48A	15	14L	G	AMD	DSC	612AB	
48A	15	15U	G	CSM	DSC	073C	
48A	15	15L	G	AGC	DSC	021A	
48A	15	16U	G	LM	DSC	010L	
48A	15	16L	G	LGC	DSC	026L	
48A	15	17U	G	RNDZ * RDR	DSC	250R	
48A	15	17L	G	AGS	DSC	033A	
48A	15	18U	G	CSM H/S	DSC	377C	
48A	15	18L	G	LEM H/S	DSC	264L	
48A	16	01U	W	PRELAUNCH	DSC	022P	
48A	16	01L	W	LAUNCH	DSC	601LC	
48A	16	02U	G	COND * LAUNCH	DSC	053C	
48A	16	02L	G	COND SIM * LNCH	DSC	054C	
48A	16	03U	W	HIGH SPD * ORBIT	DSC	015H	
48A	16	03L	G	L.S ORBIT	DSC	0140A	
48A	16	04U	W	LM * DESCENT	DSC	265L	
48A	16	04L	G	LM * ASCENT	DSC	266L	
48A	16	05U	R	LUNAR * STAY	DSC	282L	
48A	16	05L	G	ENTRY	DSC	017R	
48A	16	06U	G	TRANS	DSC	103T	
48A	16	06L	G	LUNAR * ORBIT	DSC	281L	
48A	16	07U	G	HI PRIOR * LOADING	DSC	092H	
48A	16	07L	A	LOW PRIOR * RESPONSE	DSC	267L	
48A	16	08U	A	ENTRY TRJ * UPDATE	DSC	086E	
48A	16	08L	A	S/C SET * ENTRY UPD	DSC	385S	
48A	16	09U	A	CSM STA * CONTACTS	DSC	378C	
48A	16	09L	A	LM STA * CONTACTS	DSC	268L	
48A	16	10U	A	CSM DC	DSC	601DA	
48A	16	10L	W	LM DC	DSC	601DB	
48A	16	11U	W	CSM UPDT * INCOM	DSC	267C	
48A	16	11L	W	LM UPDT * INCOM	DSC	200L	
48A	16	12U	W	CSM TRAJ * UPDATE	DSC	065M	
48A	16	12L	W	LM TRAJ * UPDATE	DSC	089L	
48A	16	13U	W	RNDZ * PLANNING	DSC	251R	
48A	16	13L	W	TLI * PLANNING	DSC	095T	
48A	16	14U	W	MIDCOURSE * PLANNING	DSC	178M	
48A	16	14L	W	LOI * PLANNING	DSC	279L	
48A	16	15U	W	RTE * PLANNING	DSC	252R	
48A	16	15L	W	PRIME * DEORBIT	DSC	024P	
48A	16	16U	W	CONT * DEORBIT	DSC	056C	
48A	16	16L	W	MANUAL * DEORB	DSC	155M	
48A	16	17U	W	VECTOR * COMP PROC	DSC	071V	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
48A	16	17L	W	PDAP	DSC	038P	
48A	16	18U	W	SPACE * DIGITAL	DSC	017S	
48A	16	18L	W	RESIDUAL * COMP	DSC	273R	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	01	01U	R	CSM * MKUP ZERO	MOC	080C	
49A	01	01L		(BLANK)		043U	
49A	01	02U	R	CSM * XFER ZERO	MOC	081C	
49A	01	02L		(BLANK)		043U	
49A	01	03U	R	CSM XFER * OCCUPIED	MOC	095C	
49A	01	03L		(BLANK)		043U	
49A	01	04U	R	CSM MKUP * OCCUPIED	MOC	079C	
49A	01	04L		(BLANK)		043U	
49A	01	05U		(BLANK)	MOC	043U	
49A	01	05L		(BLANK)		043U	
49A	01	06U		(BLANK)	MOC	043U	
49A	01	06L		(BLANK)		043U	
49A	01	07U	R	SLV * MKUP ZERO	MOC	073S	
49A	01	07L		(BLANK)		043U	
49A	01	08U	R	SLV * XFER ZERO	MOC	074S	
49A	01	08L		(BLANK)		043U	
49A	01	09U	R	SLV XFER * OCCUPIED	MOC	075S	
49A	01	09L		(BLANK)		043U	
49A	01	10U	R	SLV MKUP * OCCUPIED	MOC	070S	
49A	01	10L		(BLANK)		043U	
49A	01	11U		(BLANK)	MOC	043U	
49A	01	11L		(BLANK)		043U	
49A	01	12U		(BLANK)	MOC	043U	
49A	01	12L		(BLANK)		043U	
49A	01	13U	R	LM * MKUP ZERO	MOC	014L	
49A	01	13L		(BLANK)		043U	
49A	01	14U	R	LM * XFER ZERO	MOC	015L	
49A	01	14L		(BLANK)		043U	
49A	01	15U	R	LM XFER * OCCUPIED	MOC	016L	
49A	01	15L		(BLANK)		043U	
49A	01	16U	R	LM MKUP * OCCUPIED	MOC	013L	
49A	01	16L		(BLANK)		043U	
49A	01	17U		(BLANK)	MOC	043U	
49A	01	17L		(BLANK)		043U	
49A	01	18U		(BLANK)	MOC	043U	
49A	01	18L		(BLANK)		043U	
49A	02	01U		(BLANK)	MOC	043U	
49A	02	01L		(BLANK)	DSC	043U	
49A	02	02U		(BLANK)	MOC	043U	
49A	02	02L		(BLANK)	DSC	043U	
49A	02	03U	A	CMC EMU A	MOC	268C	
49A	02	03L	A	CMC EMU A	DSC	268C	
49A	02	04U	A	CMC EMU B	MOC	269C	
49A	02	04L	A	CMC EMU B	DSC	269C	
49A	02	05U	A	GMTLO	MOC	031G	
49A	02	05L	A	GMTLO	DSC	031G	
49A	02	06U	A	RTE * PLANNING	MOC	252R	
49A	02	06L	A	RTE * PLANNING	DSC	252R	
49A	02	07U		(BLANK)	MOC	043U	
49A	02	07L		(BLANK)	DSC	043U	
49A	02	08U	A	SLV ORBIT * TARGET	MOC	381S	
49A	02	08L	A	SLV ORBIT * TARGET	DSC	381S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	02	09U	A	SLV GENERAL * A	MOC	331S	
49A	02	09L	A	SLV GENERAL * A	DSC	331S	
49A	02	10U	A	SLV GENERAL * B	MOC	332S	
49A	02	10L	A	SLV GENERAL * B	DSC	332S	
49A	02	11U		(BLANK)	MOC	043U	
49A	02	11L		(BLANK)	DSC	043U	
49A	02	12U	A	ENTRY TRJ * UPDATE	MOC	086E	
49A	02	12L	A	ENTRY TRJ * UPDATE	DSC	086E	
49A	02	13U		(BLANK)	MOC	043U	
49A	02	13L		(BLANK)	DSC	043U	
49A	02	14U		(BLANK)	MOC	043U	
49A	02	14L		(BLANK)	DSC	043U	
49A	02	15U	A	LGC EMU * A	MOC	201L	
49A	02	15L	A	LGC EMU * A	DSC	201L	
49A	02	16U	A	LGC EMU * B	MOC	202L	
49A	02	16L	A	LGC EMU * B	DSC	202L	
49A	02	17U		(BLANK)	MOC	043U	
49A	02	17L		(BLANK)	DSC	043U	
49A	02	18U	A	S/C SET * RNTRY UPD	MOC	385S	
49A	02	18L	A	S/C SET * RNTRY UPD	DSC	385S	
49A	07	01U	A	CMC-CSM * NAVIGATION	MOC	270C	
49A	07	01L	A	CMC-CSM * NAVIGATION	DSC	270C	
49A	07	02U		(BLANK)	MOC	043U	
49A	07	02L		(BLANK)	DSC	043U	
49A	07	03U		(BLANK)	MOC	043U	
49A	07	03L		(BLANK)	DSC	043U	
49A	07	04U		(BLANK)	MOC	043U	
49A	07	04L		(BLANK)	DSC	043U	
49A	07	05U		(BLANK)	MOC	043U	
49A	07	05L		(BLANK)	DSC	043U	
49A	07	06U		(BLANK)	MOC	043U	
49A	07	06L		(BLANK)	DSC	043U	
49A	07	07U	A	LANDING * SITE	MOC	275LA	
49A	07	07L	A	LANDING * SITE	DSC	275LA	
49A	07	08U	A	TIME * INCRE	MOC	600TA	
49A	07	08L	A	TIME * INCRE	DSC	600TA	
49A	07	09U	A	LIFTOFF * TIME	MOC	612LA	
49A	07	09L	A	LIFTOFF * TIME	DSC	612LA	
49A	07	10U	A	CMC-LM * NAVIGATION	MOC	271C	
49A	07	10L	A	CMC-LM * NAVIGATION	DSC	271C	
49A	07	11U	A	EXTERNAL * DELTA-V	MOC	602EA	
49A	07	11L	A	EXTERNAL * DELTA-V	DSC	602EA	
49A	07	12U		(BLANK)	MOC	043U	
49A	07	12L		(BLANK)	DSC	043U	
49A	07	13U	A	REFSMAT	MOC	607RA	
49A	07	13L	A	REFSMAT	DSC	607RA	
49A	07	14U	A	RETROFIRE * EXT-Δ	MOC	215R	38
49A	07	14L	A	RETROFIRE * EXT-Δ	DSC	215R	38
49A	07	15U	A	ENTRY	MOC	015E	
49A	07	15L	A	ENTRY	DSC	015E	
49A	07	16U		(BLANK)	MOC	043U	
49A	07	16L		(BLANK)	DSC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	07	17	W	MIL	MOC	604MA	
49A	07	18	W	GBM	MOC	602GA	
49A	07	19	W	ANG	MOC	603AA	
49A	07	20	W	BDA	MOC	603BA	
49A	07	21	W	ACN	MOC	605AA	
49A	07	22	W	CYI	MOC	603CA	
49A	07	23	W	MAD	MOC	605MA	
49A	07	24	W	CRO	MOC	604CA	
49A	07	25	W	CNB	MOC	605CA	
49A	07	26	W	GWM	MOC	603GL	
49A	07	27	W	HAW	MOC	600HA	
49A	07	28	W	GDS	MOC	604GA	
49A	07	29	W	GYM	MOC	605GL	
49A	07	30	W	TEX	MOC	601TA	
49A	07	31	W	VAN	MOC	600VA	
49A	07	32	W	RED	MOC	603RA	
49A	07	33	W	MER	MOC	606MA	
49A	07	34	W	ALL SITES	MOC	616AA	
49A	07	35U	A	XFER * ENABLE	MOC	600XA	
49A	07	35L	R	CLEAR * ENABLE	MOC	607CA	
49A	07	36	G	CLAM	CCATS	024C	12
49A	07	37	G	TRANSFER	MOC	602TA	
49A	07	38	W	CLEAR * XFER	R/CIM	608CA	
49A	07	39	W	(LOAD NO. THOUSANDS DIGIT)			
49A	07	40	W	(LOAD NO. HUNDREDS DIGIT)			
49A	07	41	W	(LOAD NO. TENS DIGIT)			
49A	07	42	W	(LOAD NO. UNITS DIGIT)			
49A	08	01U	A	SLV TIME * BASE	MOC	076S	
49A	08	01L	A	SLV TIME * BASE	DSC	076S	
49A	08	02U	A	SEQ INIT-1	MOC	034S	
49A	08	02L	A	SEQ INIT-1	DSC	034S	
49A	08	03U	A	SEQ INIT-2	MOC	035S	
49A	08	03L	A	SEQ INIT-2	DSC	035S	
49A	08	04U	A	SEQ INIT-3	MOC	036S	
49A	08	04L	A	SEQ INIT-3	DSC	036S	
49A	08	05U	A	SEQ INIT-4	MOC	037S	
49A	08	05L	A	SEQ INIT-4	DSC	037S	
49A	08	06U	A	SW SEL-1	MOC	115S	
49A	08	06L	A	SW SEL-1	DSC	115S	
49A	08	07U	A	SW SEL-2	MOC	116S	
49A	08	07L	A	SW SEL-2	DSC	116S	
49A	08	08U	A	SW SEL-3	MOC	117S	
49A	08	08L	A	SW SEL-3	DSC	117S	
49A	08	09U	A	SW SEL-4	MOC	118S	
49A	08	09L	A	SW SEL-4	DSC	118S	
49A	08	10U	A	SLV NAV	MOC	071S	
49A	08	10L	A	SLV NAV	DSC	071S	
49A	08	11U	A	SEQ INIT-5	MOC	038S	
49A	08	11L	A	SEQ INIT-5	DSC	038S	
49A	08	12U	A	SEQ INIT-6	MOC	039S	
49A	08	12L	A	SEQ INIT-6	DSC	039S	
49A	08	13U	A	SEQ INIT-7	MOC	199S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	08	13L	A	SEQ INIT-7	DSC	199S	
49A	08	14U	A	SEQ INIT-8	MOC	200S	
49A	08	14L	A	SEQ INIT-8	DSC	200S	
49A	08	15U		(BLANK)	MOC	043U	
49A	08	15L		(BLANK)	DSC	043U	
49A	08	16U		(BLANK)	MOC	043U	
49A	08	16L		(BLANK)	DSC	043U	
49A	08	17	W	MIL	MOC	604MB	
49A	08	18	W	GBM	MOC	602GB	
49A	08	19	W	ANG	MOC	603AB	
49A	08	20	W	BDA	MOC	603BB	
49A	08	21	W	ACN	MOC	605AB	
49A	08	22	W	CYI	MOC	603CB	
49A	08	23	W	MAD	MOC	605MB	
49A	08	24	W	CRO	MOC	604CB	
49A	08	25	W	CNB	MOC	605CB	
49A	08	26	W	GWM	MOC	603GB	
49A	08	27	W	HAW	MOC	600HB	
49A	08	28	W	GDS	MOC	604GB	
49A	08	29	W	GYM	MOC	605GB	
49A	08	30	W	TEX	MOC	601TB	
49A	08	31	W	VAN	MOC	600VB	
49A	08	32	W	RED	MOC	603RB	
49A	08	33	W	MER	MOC	606MB	
49A	08	34	W	ALL SITES	MOC	616AB	
49A	08	35U	A	XFER * ENABLE	MOC	600XB	
49A	08	35L	R	CLEAR * ENABLE	MOC	607CB	
49A	08	36	G	CLAM	CCATS	024C	12
49A	08	37	G	TRANSFER	MOC	602TB	
49A	08	38	W	CLEAR * XFER	R/CIM	608CB	
49A	08	39	W	(LOAD NO. THOUSANDS DIGIT)			
49A	08	40	W	(LOAD NO. HUNDREDS DIGIT)			
49A	08	41	W	(LOAD NO. TENS DIGIT)			
49A	08	42	W	(LOAD NO. UNITS DIGIT)			
49A	12	01U	A	LGC-LM * NAVIGATION	MOC	203L	
49A	12	01L	A	LGC-LM * NAVIGATION	DSC	203L	
49A	12	02U	A	LGC-CSM * NAVIGATION	MOC	204L	
49A	12	02L	A	LGC-CSM * NAVIGATION	DSC	204L	
49A	12	03U	A	EXTERNAL * DELTA-V	MOC	602EB	
49A	12	03L	A	EXTERNAL * DELTA-V	DSC	602EB	
49A	12	04U	A	REFSMAT	MOC	607RB	
49A	12	04L	A	REFSMAT	DSC	607RB	
49A	12	05U	A	TIME * INCRE	MOC	600TB	
49A	12	05L	A	TIME * INCRE	DSC	600TB	
49A	12	06U	A	LIFTOFF * TIME	MOC	612LB	
49A	12	06L	A	LIFTOFF * TIME	DSC	612LB	
49A	12	07U	A	LANDING * SITE	MOC	275LB	
49A	12	07L	A	LANDING * SITE	DSC	275LB	
49A	12	08U		(BLANK)	MOC	043U	
49A	12	08L		(BLANK)	DSC	043U	
49A	12	09U	A	DESCENT * LOAD	MOC	002D	
49A	12	09L	A	DESCENT * LOAD	DSC	002D	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	12	10U		(BLANK)	MOC	043U	
49A	12	10L		(BLANK)	DSC	043U	
49A	12	11U		(BLANK)	MOC	043U	
49A	12	11L		(BLANK)	DSC	043U	
49A	12	12U		(BLANK)	MOC	043U	
49A	12	12L		(BLANK)	DSC	043U	
49A	12	13U		(BLANK)	MOC	043U	
49A	12	13L		(BLANK)	DSC	043U	
49A	12	14U		(BLANK)	MOC	043U	
49A	12	14L		(BLANK)	DSC	043U	
49A	12	15U		(BLANK)	MOC	043U	
49A	12	15L		(BLANK)	DSC	043U	
49A	12	16U		(BLANK)	MOC	043U	
49A	12	16L		(BLANK)	DSC	043U	
49A	12	17	W	MIL	MOC	604MC	
49A	12	18	W	GBM	MOC	602GC	
49A	12	19	W	ANG	MOC	603AC	
49A	12	20	W	BDA	MOC	603BC	
49A	12	21	W	ACN	MOC	605AC	
49A	12	22	W	CYI	MOC	603CC	
49A	12	23	W	MAD	MOC	605MC	
49A	12	24	W	CRO	MOC	604CC	
49A	12	25	W	CNB	MOC	605CC	
49A	12	26	W	GWM	MOC	603GC	
49A	12	27	W	HAW	MOC	600HC	
49A	12	28	W	GDS	MOC	604GC	
49A	12	29	W	GYM	MOC	605GC	
49A	12	30	W	TEX	MOC	601TC	
49A	12	31	W	VAN	MOC	600VC	
49A	12	32	W	RED	MOC	603RC	
49A	12	33	W	MER	MOC	606MC	
49A	12	34	W	ALL SITES	MOC	616AC	
49A	12	35U	A	XFER * ENABLE	MOC	600XC	
49A	12	35L	R	CLEAR * ENABLE	MOC	607CC	
49A	12	36	G	CLAM	CCATS	024C	12
49A	12	37	G	TRANSFER	MOC	602TC	
49A	12	38	W	CLEAR * XFER	R/CIM	608CC	
49A	12	39	W	(LOAD NO. THOUSANDS UNIT)			
49A	12	40	W	(LOAD NO. HUNDREDS UNIT)			
49A	12	41	W	(LOAD NO. TENS DIGIT)			
49A	12	42	W	(LOAD NO. UNITS DIGIT)			
49A	13	01U	R	CSM UPDT * INCOM	MOC	267C	
49A	13	01L	R	CSM UPDT * INCOM	DSC	267C	
49A	13	02U	A	LIFTOFF * TIME CH	MOC	029L	
49A	13	02L	A	LIFTOFF * TIME CH	DSC	029L	
49A	13	03U	R	LM UPDT * INCOM	MOC	200L	
49A	13	03L	R	LM UPDT * INCOM	DSC	200L	
49A	13	04U	G	PRIME TTF * MOC	MOC	024P	
49A	13	04L	G	PRIME TTF * DSC	DSC	024P	
49A	13	05U	G	CONT TTF * MOC	MOC	056C	
49A	13	05L	G	CONT TTF * DSC	DSC	056C	
49A	13	06U	G	MAN TTF * MOC	MOC	155M	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	13	06L	G	MAN TTF * DSC	DSC	155M	
49A	13	07U	G	PRELAUNCH	MOC	022P	
49A	13	07L	G	PRELAUNCH	DSC	022P	
49A	13	08U	G	ORBIT * MOC	MOC	0140A	
49A	13	08L	G	ORBIT * DSC	DSC	0140A	
49A	13	09U	A	ENTRY * MOC	MOC	017R	
49A	13	09L	A	ENTRY * DSC	DSC	017R	
49A	13	10U	R	MODE I	MOC	607MB	
49A	13	10L	R	MODE I	DSC	607MB	
49A	13	11U	R	MODE II	MOC	608MB	
49A	13	11L	R	MODE II	DSC	608MB	
49A	13	12U	R	MODE III	MOC	609MB	
49A	13	12L	R	MODE III	DSC	609MB	
49A	13	13U	A	CSM TRAJ * UPDATE	MOC	065M	
49A	13	13L	A	MOC LM * TRJ UPDTE	MOC	089L	
49A	13	14U	A	CSM DC	MOC	601DA	
49A	13	14L	A	LM DC	MOC	601DB	
49A	13	15U	A	HIGH SPD * ORBIT	MOC	015H	
49A	13	15L	A	LAUNCH	MOC	601LC	
49A	13	16U	A	COND * LAUNCH	MOC	053C	
49A	13	16L	A	COND * SIM	MOC	054C	
49A	13	17U	R	ATLANTIC	MOC	217A	
49A	13	17L	R	INDIAN	MOC	096I	
49A	13	18U	R	FULL	MOC	030M	
49A	13	18L	R	HALF	MOC	001H	
49A	16	01U	R	ILL BIT * PATTERN	MOC	002I	
49A	16	01L	R	ILL BIT * PATTERN	DSC	002I	
49A	16	02U	R	GENERAL * LOAD ERROR	MOC	114G	
49A	16	02L	R	GENERAL * LOAD ERROR	DSC	114G	
49A	16	03U	R	MAN V NOT * AVAIL	MOC	014M	
49A	16	03L	R	MAN V NOT * AVAIL	DSC	014M	
49A	16	04U		(BLANK)	MOC	043U	
49A	16	04L		(BLANK)	DSC	043U	
49A	16	05U		(BLANK)	MOC	043U	
49A	16	05L		(BLANK)	DSC	043U	
49A	16	06U		(BLANK)	MOC	043U	
49A	16	06L		(BLANK)	DSC	043U	
49A	16	07U	R	EPHEMERIS * NOT AVAIL	MOC	064E	
49A	16	07L	R	EPHEMERIS * NOT AVAIL	DSC	064E	
49A	16	08U	R	LIMIT * ERROR	MOC	235L	
49A	16	08L	R	LIMIT * ERROR	DSC	235L	
49A	16	09U		(BLANK)	MOC	043U	
49A	16	09L		(BLANK)	DSC	043U	
49A	16	10U		(BLANK)	MOC	043U	
49A	16	10L		(BLANK)	DSC	043U	
49A	16	11U		(BLANK)	MOC	043U	
49A	16	11L		(BLANK)	DSC	043U	
49A	16	12U		(BLANK)	MOC	043U	
49A	16	12L		(BLANK)	DSC	043U	
49A	16	13U	R	REFSMMAT * NOT AVAIL	MOC	174R	
49A	16	13L	R	REFSMMAT * NOT AVAIL	DSC	174R	
49A	16	14U	R	BEST * NOT AVAIL	MOC	002B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
49A	16	14L	R	BEST * NOT AVAIL	DSC	002B	
49A	16	15U		(BLANK)	MOC	043U	
49A	16	15L		(BLANK)	DSC	043U	
49A	16	16U		(BLANK)	MOC	043U	
49A	16	16L		(BLANK)	DSC	043U	
49A	16	17U		(BLANK)	MOC	043U	
49A	16	17L		(BLANK)	DSC	043U	
49A	16	18U	B	CC ON-LINE * COMMENT	MOC	083C	
49A	16	18L	B	CC ON-LINE * COMMENT	DSC	083C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
51	13	01		(BLANK)	PBI	043U	
51	13	02		(BLANK)	PBI	043U	
51	13	03		(BLANK)	PBI	043U	
51	13	04		(BLANK)	PBI	043U	
51	13	05	G	GO * COMPLEX A	PBI	48A-17	
51	13	06	G	GO * COMPLEX B	PBI	48B-17	
51	13	07		(BLANK)	PBI	043U	
51	13	08		(BLANK)	PBI	043U	
51	13	09		(BLANK)	PBI	043U	
51	13	10		(BLANK)	PBI	043U	
51	13	11	A	MARGINAL * COMPLEX A	PBI	48A-17	
51	13	12	A	MARGINAL * COMPLEX B	PBI	48B-17	
51	13	13		(BLANK)	PBI	043U	
51	13	14		(BLANK)	PBI	043U	
51	13	15		(BLANK)	PBI	043U	
51	13	16		(BLANK)	PBI	043U	
51	13	17	R	NO GO * COMPLEX A	PBI	48A-17	
51	13	18	R	NO GO * COMPLEX B	PBI	48B-17	
51	15	01	G	GO * COMPLEX A	PBI	045G	
51	15	02	G	GO * COMPLEX B	PBI	046G	
51	15	03	G	GO * M&O SUP 1	PBI	043G	
51	15	04	G	GO * M&O SUP 2	PBI	044G	
51	15	05		(BLANK)	PBI	043U	
51	15	06		(BLANK)	PBI	043U	
51	15	07	A	MARGINAL * COMPLEX A	PBI	024M	
51	15	08	A	MARGINAL * COMPLEX B	RBI	025M	
51	15	09	A	MARGINAL * M&O SUP 1	PBI	028M	
51	15	10	A	MARGINAL * M&O SUP 2	PBI	029M	
51	15	11		(BLANK)	PBI	043U	
51	15	12		(BLANK)	PBI	043U	
51	15	13	R	NO GO * COMPLEX A	PBI	010N	
51	15	14	R	NO GO * COMPLEX B	PBI	011N	
51	15	15	R	NO GO * M&O SUP 1	PBI	014N	
51	15	16	R	NO GO * M&O SUP 2	PBI	015N	
51	15	17		(BLANK)	PBI	043U	
51	15	18		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
53	12	01U	R	P 1 >1000	MOC	CSM8405C	
53	12	01L		(BLANK)	MOC	043U	
53	12	02U	R	P 2 >500	MOC	CSM8406C	
53	12	02L		(BLANK)	MOC	043U	
53	12	03U	R	P 3 >200	MOC	CSM8407C	
53	12	03L		(BLANK)	MOC	043U	
53	12	04U	R	P 4 >10	MOC	CSM8408C	
53	12	04L		(BLANK)	MOC	043U	
53	12	05U	R	P TOTAL * > 6000	MOC	CSM8403C	
53	12	05L		(BLANK)	MOC	043U	
53	12	06U		(BLANK)	MOC	043U	
53	12	06L		(BLANK)	MOC	043U	
53	12	07U	R	A 1 >50	MOC	CSM8409C	
53	12	07L		(BLANK)	MOC	043U	
53	12	08U	R	A 2 >10	MOC	CSM8410C	
53	12	08L		(BLANK)	MOC	043U	
53	12	09U	R	A 3 >10	MOC	CSM8411C	
53	12	09L		(BLANK)	MOC	043U	
53	12	10U		(BLANK)	MOC	043U	
53	12	10L		(BLANK)	MOC	043U	
53	12	11U		(BLANK)	MOC	043U	
53	12	11L		(BLANK)	MOC	043U	
53	12	12U		(BLANK)	MOC	043U	
53	12	12L		(BLANK)	MOC	043U	
53	12	13U	W	SKIN LOW/ * DEPTH LOW	MOC	CSM12E	
53	12	13L	W	SKIN HI/ * DEPTH LOW	MOC	CSM14E	
53	12	14U	W	SKIN LOW/ * DEPTH HI	MOC	CSM13E	
53	12	14L	W	SKIN HI/ * DEPTH HI	MOC	CSM15E	
53	12	15U		(BLANK)	MOC	043U	
53	12	15L		(BLANK)	MOC	043U	
53	12	16U		(BLANK)	MOC	043U	
53	12	16L		(BLANK)	MOC	043U	
53	12	17U	G	NPDS COMP	MOC	CSM08I	
53	12	17L	A	CSM * LFI	CCATS	358C	
53	12	18U	G	CSM * LIVE	CCATS	299C	
53	12	18L	A	CSM * STATIC	CCATS	300C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
59	16					043B	23
59	16	01	W	CHNL 49	PBI	500C	
59	16	02	W	CHNL 51	PBI	500C	
59	16	03	W	CHNL 52	PBI	500C	
59	16	04	W	CHNL 55	PBI	500C	
59	16	05	W	CHNL 57	PBI	500C	
59	16	06	W	CHNL 71	PBI	500C	
59	16	07	W	CHNL 72	PBI	500C	
59	16	08	W	CHNL 74	PBI	500C	
59	16	09	W	CHNL 76	PBI	500C	
59	16	10	W	CHNL 77	PBI	500C	
59	16	11	W	CHNL 78	PBI	500C	
59	16	12U	W	3RD FLR	PBI	500B	
59	16	12L	W	2ND FLR	PBI	500B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	01	01		(BLANK)		043U	
61	01	02	W	CH3546X		CH3546	
61	01	03		(BLANK)		043U	
61	01	04	W	CH3547X		CH3547	
61	01	05		(BLANK)		043U	
61	01	06	W	CH3548X		CH3548	
61	01	07		(BLANK)		043U	
61	01	08	W	CH3549X		CH3549	
61	01	09		(BLANK)		043U	
61	01	10	W	CH3550X		CH3550	
61	01	11		(BLANK)		043U	
61	01	12	W	CH3551X		CH3551	
61	01	13		(BLANK)		043U	
61	01	14	W	CH3552X		CH3552	
61	01	15		(BLANK)		043U	
61	01	16	W	CH3553X		CH3553	
61	01	17		(BLANK)		043U	
61	01	18	W	CH3554X		CH3554	
61	01	19		(BLANK)		043U	
61	01	20	W	CH3557X		CH3557	
61	01	21		(BLANK)		043U	
61	01	22	W	CH3559X		CH3559	
61	01	23		(BLANK)		043U	
61	01	24	W	CH3560X		CH3560	
61	01	25		(BLANK)		043U	
61	01	26	W	CH3555X		CH3555	
61	01	27		(BLANK)		043U	
61	01	28	W	CH3556X		CH3556	
61	01	29		(BLANK)		043U	
61	01	30	W	CH3558X		CH3558	
61	01	31		(BLANK)		043U	
61	01	32	W	CH3561X		CH3561	
61	01	33		(BLANK)		043U	
61	01	34		(BLANK)		043U	
61	01	35		(BLANK)		043U	
61	01	36		(BLANK)		043U	
61	01	37		(BLANK)		043U	
61	01	38	W	IUUSB03		IUUSB03	
61	01	39	W	IUUSB01		IUUSB01	
61	01	40		(BLANK)		043U	
61	01	41	W	SM6USB01		SM6USB01	
61	01	42	W	K0033-603		K0033-603	
61	01	43	W	SM6USB02		SM6USB02	
61	01	44	W	K0034-603		K0034-603	
61	01	45	W	IUUSB04		IUUSB04	
61	01	46	W	T2PCMGSF4		T2PCMGSF4	
61	01	47	W	T2PCMGSF5		T2PCMGSF5	
61	01	48	W	K0035-603		K0035-603	
61	01	49	W	T2PCMGSF6		T2PCMGSF6	
61	01	50		(BLANK)		043U	
61	01	51	W	CT0262V * (MSB)		CT0262	
61	01	52	W	CT0262V*(MSB-R/L)		CT0262	
61	01	53	W	SPCGT0441 * MSB		SPCGT0441	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	01	54	W	SPCGT0441 * B02		SPCGT0441	
61	01	55	W	IUUSB07		IUUSB07	
61	01	56	W	T2PCMGSF7		T2PCMGSF7	
61	01	57	W	T2PCMGSF8		T2PCMGSF8	
61	01	58	W	T2PCMGSF9		T2PCMGSF9	
61	01	59	W	CSMUSB01		CSMUSB01	
61	01	60	W	CSMUSB02		CSMUSB02	
61	01	61	W	CSMUSB04		CSMUSB04	
61	01	62		(BLANK)		043U	
61	01	63	W	CSMUSB03		CSMUSB03	
61	01	64	W	LCRUUSB06		LCRUUSB06	
61	01	65	W	IU VSB05		IU VSB05	
61	01	66		(BLANK)		043U	
61	01	67	W	CSMUSB05		CSMUSB05	
61	01	68		(BLANK)		043U	
61	01	69		(BLANK)		043U	
61	01	70		(BLANK)		043U	
61	01	71	W	CSMUSB07		CSMUSB07	
61	01	72	W	CSMUSB08		CSMUSB08	
61	01	73	W	LMUSB02		LMUSB02	
61	01	74		(BLANK)		043U	
61	01	75	W	LMUSB01		LMUSB01	
61	01	76		(BLANK)		043U	
61	01	77	W	SPCCTEB01		SPCCTEB01	
61	01	78		(BLANK)		043U	
61	01	79	W	LMUSB03		LMUSB03	
61	01	80	W	SL1080	R/L	SL1080	
61	01	81	W	LMUSB04		LMUSB04	
61	01	82		(BLANK)		043U	
61	01	83	W	LMUSB05		LMUSB05	
61	01	84		(BLANK)		043U	
61	01	85	W	LMUSB06		LMUSB06	
61	01	86		(BLANK)		043U	
61	01	87	W	LMUSB07		LMUSB07	
61	01	88		(BLANK)		043U	
61	01	89	W	LMUSB08		LMUSB08	
61	01	90		(BLANK)		043U	
61	01	91	W	SL1036		SL1036	
61	01	92	W	SL1031		SL1031	
61	01	93	W	SL1173B01		SL1173B01	
61	01	94	W	SL1180		SL1180	
61	01	95	W	SL1122B06		SL1122B06	
61	01	96		(BLANK)		043U	
61	01	97	W	SL1084		SL1084	
61	01	98		(BLANK)		043U	
61	01	99	W	K0089-207		K0089-207	
61	01	100	W	S-IC * SYNC		365S	
61	01	101	W	S-II * SYNC		366S	
61	01	102	W	S-IVB * SYNC		367S	
61	01	103	W	IU * SYNC		106I	
61	01	104	W	CSM * SYNC		328C	
61	01	105	W	LM * SYNC		241L	
61	01	106		(BLANK)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	01	107		(BLANK)		043U	
61	01	108		(BLANK)		043U	
61	01	109		(BLANK)		043U	
61	01	110		(BLANK)		043U	
61	01	111	W	PCMF30XX1		PCMF30XX1	
61	01	112	W	PCMF30XX2		PCMF30XX2	
61	01	113	W	PCMF30XX3		PCMF30XX3	
61	01	114	W	PCMF30XX4		PCMF30XX4	
61	01	115	W	PCMF30XX5		PCMF30XX5	
61	01	116	W	PCMF30XX6		PCMF30XX6	
61	01	117	W	PCMF30XX7		PCMF30XX7	
61	01	118	W	PCMF30XX8		PCMF30XX8	
61	01	119		(BLANK)		043U	
61	01	120	W	T4PCMGSF9		T4PCMGSF9	
61	01	121		(BLANK)		043U	
61	01	122		(BLANK)		043U	
61	01	123		(BLANK)		043U	
61	01	124		(BLANK)		043U	
61	01	125		(BLANK)		043U	
61	01	126		(BLANK)		043U	
61	01	127		(BLANK)		043U	
61	01	128		(BLANK)		043U	
61	01	129		(BLANK)		043U	
61	01	130		(BLANK)		043U	
61	01	131		(BLANK)		043U	
61	01	132		(BLANK)		043U	
61	01	133		(BLANK)		043U	
61	01	134		(BLANK)		043U	
61	01	135		(BLANK)		043U	
61	01	136		(BLANK)		043U	
61	01	137		(BLANK)		043U	
61	01	138		(BLANK)		043U	
61	01	139		(BLANK)		043U	
61	01	140		(BLANK)		043U	
61	01	141		(BLANK)		043U	
61	01	142		(BLANK)		043U	
61	01	143		(BLANK)		043U	
61	01	144		(BLANK)		043U	
61	01	145		(BLANK)		043U	
61	01	146		(BLANK)		043U	
61	01	147		(BLANK)		043U	
61	01	148		(BLANK)		043U	
61	01	149		(BLANK)		043U	
61	01	150		(BLANK)		043U	
61	01	151		(BLANK)		043U	
61	01	152		(BLANK)		043U	
61	01	153		(BLANK)		043U	
61	01	154		(BLANK)		043U	
61	01	155		(BLANK)		043U	
61	01	156		(BLANK)		043U	
61	01	157		(BLANK)		043U	
61	01	158		(BLANK)		043U	
61	01	159		(BLANK)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	01	160		(BLANK)		043U	
61	01	161		(BLANK)		043U	
61	01	162		(BLANK)		043U	
61	01	163		(BLANK)		043U	
61	01	164		(BLANK)		043U	
61	01	165		(BLANK)		043U	
61	01	166		(BLANK)		043U	
61	01	167		(BLANK)		043U	
61	01	168		(BLANK)		043U	
61	01	169		(BLANK)		043U	
61	01	170		(BLANK)		043U	
61	01	171		(BLANK)		043U	
61	01	172		(BLANK)		043U	
61	01	173		(BLANK)		043U	
61	01	174		(BLANK)		043U	
61	01	175		(BLANK)		043U	
61	01	176		(BLANK)		043U	
61	01	177		(BLANK)		043U	
61	01	178		(BLANK)		043U	
61	01	179		(BLANK)		043U	
61	01	180		(BLANK)		043U	
61	01	181		(BLANK)		043U	
61	01	182		(BLANK)		043U	
61	01	183		(BLANK)		043U	
61	01	184		(BLANK)		043U	
61	01	185		(BLANK)		043U	
61	01	186		(BLANK)		043U	
61	01	187		(BLANK)		043U	
61	01	188		(BLANK)		043U	
61	01	189		(BLANK)		043U	
61	01	190		(BLANK)		043U	
61	01	191		(BLANK)		043U	
61	01	192		(BLANK)		043U	
61	01	193		(BLANK)		043U	
61	01	194		(BLANK)		043U	
61	01	195		(BLANK)		043U	
61	01	196		(BLANK)		043U	
61	01	197		(BLANK)		043U	
61	01	198		(BLANK)		043U	
61	01	199		(BLANK)		043U	
61	01	200		(BLANK)		043U	
61	01	201		(BLANK)		043U	
61	01	202		(BLANK)		043U	
61	01	203		(BLANK)		043U	
61	01	204		(BLANK)		043U	
61	01	205		(BLANK)		043U	
61	01	206		(BLANK)		043U	
61	01	207		(BLANK)		043U	
61	01	208		(BLANK)		043U	
61	01	209		(BLANK)		043U	
61	01	210		(BLANK)		043U	
61	01	211		(BLANK)		043U	
61	01	212		(BLANK)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	01	213		(BLANK)		043U	
61	01	214		(BLANK)		043U	
61	01	215		(BLANK)		043U	
61	01	216		(BLANK)		043U	
61	01	217		(BLANK)		043U	
61	01	218		(BLANK)		043U	
61	01	219		(BLANK)		043U	
61	01	220		(BLANK)		043U	
61	01	221		(BLANK)		043U	
61	01	222		(BLANK)		043U	
61	01	223		(BLANK)		043U	
61	01	224		(BLANK)		043U	
61	01	225		(BLANK)		043U	
61	02	01		(BLANK)		CH3546	
61	02	02	W	CH3546X		043U	
61	02	03		(BLANK)		CH3547	
61	02	04	W	CH3547X		043U	
61	02	05		(BLANK)		CH3548	
61	02	06	W	CH3548X		043U	
61	02	07		(BLANK)		CH3549	
61	02	08	W	CH3549X		043U	
61	02	09		(BLANK)		CH3550	
61	02	10	W	CH3550X		043U	
61	02	11		(BLANK)		CH3551	
61	02	12	W	CH3551X		043U	
61	02	13		(BLANK)		CH3552	
61	02	14	W	CH3552X		043U	
61	02	15		(BLANK)		CH3553	
61	02	16	W	CH3553X		043U	
61	02	17		(BLANK)		CH3554	
61	02	18	W	CH3554X		043U	
61	02	19		(BLANK)		CH3557	
61	02	20	W	CH3557X		043U	
61	02	21		(BLANK)		CH3559	
61	02	22	W	CH3559X		043U	
61	02	23		(BLANK)		CH3560	
61	02	24	W	CH3560X		043U	
61	02	25		(BLANK)		CH3555	
61	02	26	W	CH3555X		043U	
61	02	27		(BLANK)		CH3556	
61	02	28	W	CH3556X		043U	
61	02	29		(BLANK)		CH3558	
61	02	30	W	CH3558X		043U	
61	02	31		(BLANK)		CH3561	
61	02	32	W	CH3561X			
61	05	01U		(BLANK)		043U	
61	05	01L		(BLANK)		043U	
61	05	02		(BLANK)		043U	
61	05	03U		(BLANK)		043U	
61	05	03L		(BLANK)		043U	
61	05	04		(BLANK)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
61	06					043B	23
61	06			CHANNEL A CARDIOTACHS		101C	65
61	06					043B	
61	06	01U	W	BLANKING * ENABLE 1	BMDADS	014B	
61	06	01L	W	BLANKING * DISABLE 1	BMDADS	015B	
61	06	02U	W	BLANKING * ENABLE 2	BMDADS	014B	
61	06	02L	W	BLANKING * DISABLE 2	BMDADS	015B	
61	06	03U	W	BLANKING * ENABLE 3	BMDADS	014B	
61	06	03L	W	BLANKING * DISABLE 3	BMDADS	015B	
61	07					043B	23
61	07			CHANNEL B CARDIOTACHS		101C	65
61	07					043B	
61	07	01U	W	BLANKING * ENABLE 1	BMDADS	014B	
61	07	01L	W	BLANKING * DISABLE 1	BMDADS	015B	
61	07	02U	W	BLANKING * ENABLE 2	BMDADS	014B	
61	07	02L	W	BLANKING * DISABLE 2	BMDADS	015B	
61	07	03U	W	BLANKING * ENABLE 3	BMDADS	014B	
61	07	03L	W	BLANKING * DISABLE 3	BMDADS	015B	
61	21	21		(UNASSIGNED)		043U	
61	21	22		(UNASSIGNED)		043U	
61	21	23		(UNASSIGNED)		043U	
61	21	24		(UNASSIGNED)		043U	
61	21	25		(UNASSIGNED)		043U	
61	21	26		(UNASSIGNED)		043U	
61	21	27		(UNASSIGNED)		043U	
61	21	28		(UNASSIGNED)		043U	
61	21	29		(UNASSIGNED)		043U	
61	21	30		(UNASSIGNED)		043U	
61	21	31		(UNASSIGNED)		043U	
61	21	32		(UNASSIGNED)		043U	
61	21	33		(UNASSIGNED)		043U	
61	21	34		(UNASSIGNED)		043U	
61	21	35		(UNASSIGNED)		043U	
61	21	36		(UNASSIGNED)		043U	
61	21	37		(UNASSIGNED)		043U	
61	21	38		(UNASSIGNED)		043U	
61	21	39		(UNASSIGNED)		043U	
61	21	40		(UNASSIGNED)		043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
62	02	01U	G	CSM * LIVE	CCATS	299C	
62	02	01L	G	CMC * LIVE	CCATS	302C	
62	02	02U	G	UDL OFF * CT0262V R	STRIP	CT0262	
62	02	02L	A	USB S/S * CT0620V	MOC	CT0620	
62	02	03U	W	PRELAUNCH	MOC	022P	
62	02	03L	W	COND * LAUNCH	MOC	053C	
62	02	04U	W	CMC L/O * 931C3005R	MOC	CH30B05	
62	02	04L	W	CMC GRR * 931C3006R	MOC	CH30B06	
62	02	05U	R	CREW ABRT * CD0130X	MOC	CD0130	
62	02	05L	R	ABORT REQ * BS0080X	MOC	BS0080	
62	02	06U	A	CABIN P * CF0001P	MOC	CF0001	
62	02	06L		(BLANK)	MOC	043U	
62	02	07U		(BLANK)	MOC	043U	
62	02	07L	G	LGC * LIVE	CCATS	226L	
62	02	08U	G	70 KHZ * IN LOCK	MOC	J0078-603	
62	02	08L	G	DCS * ENABLE	MOC	OMWD26	
62	02	09U	W	HIGH SPD * ORBIT	MOC	015H	
62	02	09L	W	494 * OPERATION	CCATS	371N	
62	02	10U	G	SLA SEP A * CD0123X	MOC	CD0123	
62	02	10L	G	SLA SEP B * CD0124X	MOC	CD0124	
62	02	11U		(BLANK)	MOC	043U	
62	02	11L	A	BL INLINK * 921C1306S	MOC	CH13B06	
62	02	12U	G	TC +X CMD * CH3574X	MOC	CH3574	
62	02	12L	G	+X TRANS * 932C3107R	MOC	CH31B07	
62	02	13U	G	LM * LIVE	CCATS	110L	
62	02	13L	G	AEA * LIVE	CCATS	230A	
62	02	14U	R	RCVR SIG * GT0994V-1	MOC	GT0994	
62	02	14L	G	CSM SEP A * CD0023X	MOC	CD0023	
62	02	15U	G	CSM SEP B * CD0024X	MOC	CD0024	
62	02	15L	B	DSE RUN * CT0012X	MOC	CT0012	
62	02	16U		(BLANK)	MOC	043U	
62	02	16L	B	CG LM/CSM * CH3600X	MOC	CH3600	
62	02	17U	R	CMC WARN * CG5040X R	MOC	CG5040	
62	02	17L	R	PIPA FAIL * 942C3313R	MOC	CH33B13	
62	02	18U	G	ENG ON * 911C1113S	MOC	CH11B13	
62	02	18L	A	ENG PRESS * SP0661P	MOC	SP0661	
62	03	01U	G	IGNITION * CASTS	CASTS-	194S	
62	03	01L	G	SLV * GRR	MOC	GMW1D26	
62	03	02U	G	DCS * ENABLE	MOC	OMWD26	
62	03	02L	G	RS 1 ARM	MOC	N0057-411	
62	03	03U		(BLANK)	MOC	043U	
62	03	03L		(BLANK)	MOC	043U	
62	03	04U	R	GG9002X-1 * ISS WARN	MOC	GG9002	
62	03	04L	R	GG9001X-1 * LGC WARN	MOC	GG9001	
62	03	05U	R	GH1240 * +X TRANS	MOC	LEM21E	
62	03	05L	R	GH1214X-1 * AUTO ON	MOC	GH1214	
62	03	06U	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
62	03	06L	A	GH1286X-1 * FIRE O/R	MOC	GH1286	
62	03	07U		(BLANK)	MOC	043U	
62	03	07L	G	SIC OBECO * (TB3)	MOC	GMW1D19	
62	03	08U	G	SS ENG * C/O ENABL	MOC	K0073-602	
62	03	08L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
62	03	09U	R	ABORT	MOC	K0072-602	
62	03	09L	A	EDS/MAN A * C/O OF LV	MOC	K0075-602	
62	03	10U		(BLANK)	MOC	043U	
62	03	10L	G	GH1621X-1 * AGS SEL	MOC	GH1621	
62	03	11U	R	GH1348X-1 * DPS ARM	MOC	GH1348	
62	03	11L	R	GH1301X-1 * DPS ON	MOC	GH1301	
62	03	12U	B	GH1230X-1 * APS ARM	MOC	GH1230	
62	03	12L	R	GH1260X-1 * APS ON	MOC	GH1260	
62	03	13U		(BLANK)	MOC	043U	
62	03	13L	R	M/S NO 1 * OK	MOC	K0014-401	
62	03	14U	A	SC CNTROL * OF SATURN	MOC	K0019-602	
62	03	14L	A	ULLAGE * MOD I	MOC	D0220-414	
62	03	15U	A	EXCESS * RATE ROLL	MOC	K0083-602	
62	03	15L	A	EXCESS * P/Y RATE	MOC	K0084-602	
62	03	16U	W	GI3306X-1 * AGS STBY	MOC	GI3306	
62	03	16L	B	GT0441A-1 * DUA ON	STRIP	SPCGT0441	
62	03	17U		(BLANK)	MOC	043U	
62	03	17L	R	GQ4455X-1 * DPS PROP	MOC	GQ4455	
62	03	18U	R	GP2010P * APS TCP	MOC	GP2010	
62	03	18L	R	GP0908X-1 * APS FU LO	MOC	GP0908	
62	04	01	W	NORMAL	PBI	--	
62	04	02	W	CSM EECOM * L. MON.	PBI	07	
62	04	03	W	CSM GNC * L. MON.	PBI	08	
62	04	04	W	TELMU * L. MON.	PBI	09	
62	04	05	W	CONTROL * L. MON.	PBI	16	
62	04	06	W	CSM EECOM * R. MON.	PBI	07	
62	04	07	W	CSM GNC * R. MON.	PBI	08	
62	04	08	W	RETRO * L. MON.	PBI	13	
62	04	09	W	RETRO * R. MON.	PBI	13	
62	04	10	W	FIDO * L. MON.	PBI	11	
62	04	11	W	FIDO * R. MON.	PBI	11	
62	04	12	W	BSE * L. MON.	PBI	10	
62	09	01	A	ABORT * WARNING	PBI	264A	
62	09	01			PBI	043B	
62	09	02	R	ABORT * REQUEST	PBI	002A	
62	09	02			PBI	043B	
62	09	03	R	ABORT * COMMAND	PBI	265A	
62	09	03			PBI	043B	16
62	09	04	W	ABORT * COMMAND * VERIFIED	PBI	266A	17
62	09	05		(BLANK)	PBI	043U	
62	09	06		(BLANK)	PBI	043U	
62	09	07	A	AMR 1 * HOLD	PBI	267A	
62	09	07			PBI	043B	
62	09	08	G	AMR 1 * PROCEED	PBI	268A	
62	09	08			PBI	043B	
62	09	09	A	AMR 2 * HOLD	PBI	269A	
62	09	09			PBI	043B	
62	09	10	G	AMR 2 * PROCEED	PBI	270A	
62	09	10			PBI	043B	
62	09	11		(BLANK)	PBI	043U	
62	09	12		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
62	14			(BLANK)		043U	65
62	14					043B	
62	14	01U	W	OPTV	PBI	055D	
62	14	01L	W	VSM	PBI	072V	
62	16	01U	G	START * RTA-1	PBI	406S	
62	16	01L	R	STOP * RTA-1	PBI	412S	
62	16	02U	G	START * RTA-2	PBI	407S	
62	16	02L	R	STOP * RTA-2	PBI	413S	
62	16	03U	G	START * RTA-3	PBI	408S	
62	16	03L	R	STOP * RTA-3	PBI	414S	
62	16	04U	G	START * RTA-4	PBI	409S	
62	16	04L	R	STOP * RTA-4	PBI	415S	
62	16	05U	G	START * RTA-5	PBI	410S	
62	16	05L	R	STOP * RTA-5	PBI	416S	
62	16	06U	G	START * RTA-6	PBI	411S	
62	16	06L	R	STOP * RTA-6	PBI	417S	
62	16	07U	G	START * SGMT	PBI	418S	
62	16	07L	R	STOP * SGMT	PBI	419S	
62	16	08	G	ENTER * SGMT	PBI	087E	
62	16	09		(BLANK)	PBI	043U	
62	16	10		(BLANK)	PBI	043U	
62	16	11U	G	PROCEED * AMR-1	PBI	121P	
62	16	11L	R	HOLD * AMR-1	PBI	094H	
62	16	12U	G	PROCEED * AMR-2	PBI	122P	
62	16	12L	R	HOLD * AMR-2	PBI	095H	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
63	02	01U	G	LM * LIVE	CCATS	110L	
63	02	01L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
63	02	02U	R	931C30010 * ABORT CMD	MOC	LCH30B01	
63	02	02L	R	GH1283X-1 * ABRT STGD	MOC	GH1283	
63	02	03U	W	GH1348X-1 * DPS ARM	MOC	GH1348	
63	02	03L	A	GH1301X-1 * DPS ON	MOC	GH1301	
63	02	04U	W	GH1230X-1 * APS ARM	MOC	GH1230	
63	02	04L	A	GH1260X-1 * APS ON	MOC	GH1260	
63	02	05U		(BLANK)	MOC	043U	
63	02	05L		(BLANK)	MOC	043U	
63	02	06U		(BLANK)	MOC	043U	
63	02	06L		(BLANK)	MOC	043U	
63	02	07U	G	912C12111 * +R GBLTRM	MOC	LCH12B11	
63	02	07L	G	912C12121 * -R GBLTRM	MOC	LCH12B12	
63	02	08U	R	GH1323X-1 * P TRM FL	MOC	GH1323	
63	02	08L	R	GH1330X-1 * R TRM FL	MOC	GH1330	
63	02	09U	A	GH1240 * +X TRANS	MOC	LEM21E	
63	02	09L	R	GQ4455X-1 * DPS PROP	MOC	GQ4455	
63	02	10U	R	GP0908X-1 * APS FU LO	MOC	GP0908	
63	02	10L	R	GP1408X * APS OX LO	MOC	GP1408	
63	02	11U		(BLANK)	MOC	043U	
63	02	11L		(BLANK)	MOC	043U	
63	02	12U		(BLANK)	MOC	043U	
63	02	12L		(BLANK)	MOC	043U	
63	02	13U	G	GH1461V * Y RGA	MOC	GH1461	
63	02	13L	A	GH1462V * P RGA	MOC	GH1462	
63	02	14U	G	GH1463V * R RGA	MOC	GH1463	
63	02	14L	G	GH1644X-1 * PNGS HOLD	MOC	GH1644	
63	02	15U	R	GG9001X-1 * LGC WARN	MOC	GG9001	
63	02	15L	R	GG9002X-1 * ISS WARN	MOC	GG9002	
63	02	16U	A	502K11091 * PROG CAUT	MOC	LDT11B09	
63	02	16L	R	502K11061 * GMBL LOCK	MOC	LDT11B06	
63	02	17U	W	GH1621X-1 * AGS SEL	MOC	GH1621	
63	02	17L	G	642D00151 * MIN IMP	MOC	LDBB15	
63	02	18U	W	GR9613U * XFEED OPN	MOC	GR9613	
63	02	18L	A	GH1603X-0 * MIN DBND	MOC	GH1603	
63	03	01U	G	SLV L/O * (TB1)	MOC	GMW1D25	
63	03	01L	G	PITCH AND * ROLL STRT	MOC	GMW1D24	
63	03	02U	G	ROLL * COMPLETE	MOC	GMW1D23	
63	03	02L		(BLANK)	MOC	043U	
63	03	03U	G	TILT * ARREST	MOC	GMW1D21	
63	03	03L	G	SIC OBECO * (TB3)	MOC	GMW1D19	
63	03	04U	G	SS13 SII * LOX LLS A	MOC	SS13	
63	03	04L	G	S-II BURN * MODE	MOC	K0090-602	
63	03	05U	G	H2O VLV * OPEN	MOC	G0006-601	
63	03	05L	G	SECOND * S-II SEP	MOC	GMW1D15	
63	03	06U	G	TWR * JETT	MOC	C0057-900	
63	03	06L	G	SII * IGM2	MOC	GMW1D13	
63	03	07U	G	SII/SIVB * EBW 1 ARM	MOC	SII7601C	
63	03	07L	G	S-IVB ENG * IGN	MOC	SIU01E	
63	03	08U	G	SIVB * IGM2	MOC	GMW1D05	
63	03	08L	G	SIVB C/O * CMD 1	MOC	GMW1D03	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
63	03	09U	G	SIVB IGN * 2ND BURN	MOC	GMW2D26	
63	03	09L	A	SC CNTROL * OF SATURN	MOC	K0019-602	
63	03	10U	G	SLA SEP A * CD0123X	MOC	CD0123	
63	03	10L	G	SLA SEP B * CD0124X	MOC	CD0124	
63	03	11U	G	SS04 S-IC * TM CAL	MOC	SS04	
63	03	11L	G	SS03 S-II * TM CAL	MOC	SS03	
63	03	12U	G	SS18 CMD * SYS ENABL	MOC	SS18	
63	03	12L	G	SS05 IU * TM CAL	MOC	SS05	
63	03	13U	W	SIC * LIVE	CCATS	401S	
63	03	13L	W	SII * LIVE	CCATS	354S	
63	03	14U	W	SIVB * LIVE	CCATS	228S	
63	03	14L	W	SIU * LIVE	CCATS	061I	
63	03	15U		(BLANK)	MOC	043U	
63	03	15L		(BLANK)	MOC	043U	
63	03	16U	G	LOX VENT * CLOSE	MOC	K0002-424	
63	03	16L	G	LH2 VENT * CLOSE	MOC	K0001-410	
63	03	17U	A	AMB * REPRESS	MOC	K0195-404	
63	03	17L	G	LH2 LATCH * RLF CLS	MOC	K0210-410	
63	03	18U	G	LOX BLD * VLV CLS	MOC	K0126-401	
63	03	18L	G	LH2 BLD * VLV CLS	MOC	K0127-401	
63	06	01	W	TELMU * L. MON.	PBI	09	
63	06	02	W	CONTROL * L. MON.	PBI	16	
63	06	03	W	CTRL SSR * L. MON.	PBI	29	
63	06	04	W	CTRL SSR * LC. MON.	PBI	29	
63	06	05	W	TELMU SSR * L. MON.	PBI	21	
63	06	06	W	TELMU SSR * L. MON.	PBI	30	
63	06	07	W	TELMU * R. MON.	PBI	09	
63	06	08	W	CONTROL * R. MON.	PBI	16	
63	06	09	W	CTRL SSR * R. MON.	PBI	29	
63	06	10	W	CTRL SSR * RC. MON.	PBI	29	
63	06	11	W	TELMU SSR * R. MON.	PBI	21	
63	06	12	W	GUID.SSR. * R. MON.	PBI	37	
63	15	01	A	ABORT * WARNING	PBI	264A	
63	15	01			PBI	043B	
63	15	02	R	ABORT * REQUEST	PBI	002A	
63	15	02			PBI	043B	
63	15	03	R	ABORT * COMMAND	PBI	265A	16
63	15	03			PBI	043B	
63	15	04	W	ABORT * COMMAND * VERIFIED	PBI	266A	17
63	15	05		(BLANK)	PBI	043U	
63	15	06		(BLANK)	PBI	043U	
63	15	07	A	AMR 1 * HOLD	PBI	267A	
63	15	07			PBI	043B	
63	15	08	G	AMR 1 * PROCEED	PBI	268A	
63	15	08			PBI	043B	
63	15	09	A	AMR 2 * HOLD	PBI	269A	
63	15	09			PBI	043B	
63	15	10	G	AMR 2 * PROCEED	PBI	270A	
63	15	10			PBI	043B	
63	15	11		(BLANK)	PBI	043U	
63	15	12		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
63	17	01U	B	GC4361X-1 * BAT 1 HI	MOC	GC4361	
63	17	01L	R	GC9961U-1 * BAT 1 MAL	MOC	GC9961	
63	17	02U	B	GC4363X-1 * BAT 2 HI	MOC	GC4363	
63	17	02L	R	GC9962U-1 * BAT 2/L MAL	MOC	GC9962	
63	17	03U	B	GC4365X-1 * BAT 3 HI	MOC	GC4365	
63	17	03L	R	GC9963U-1 * BAT 3/L MAL	MOC	GC9963	
63	17	04U	B	GC4367X-1 * BAT 4 HI	MOC	GC4367	
63	17	04L	R	GC9964U-1 * BAT 4 MAL	MOC	GC9964	
63	17	05U	A	GC4369X-1 * BAT 5 CDRB	MOC	GC4369	
63	17	05L	R	GC9965U-1 * BAT 5 MAL	MOC	GC9965	
63	17	06U	A	GC4372X-1 * BAT 6 LMPB	MOC	GC4372	
63	17	06L	R	GC9966U-1 * BAT 6 MAL	MOC	GC9966	
63	17	07U	R	GC0301V * CDR BUS V	MOC	GC0301	
63	17	07L	R	GC0302V * LMP BUS V	MOC	GC0302	
63	17	08U	R	GF1301P * SUIT P	MOC	GF1301	
63	17	08L	A	GF1281T * SUIT TEMP	MOC	GF1281	
63	17	09U	R	GF3571P * CABIN P	MOC	GF3571	
63	17	09L	R	GF1521P * CO2 PP	MOC	GF1521	
63	17	10U	A	GL4054X-1 * C&W FAIL	MOC	GL4054	
63	17	10L	R	GF2021P * PUMP ΔP	MOC	GF2021	38
63	17	11U	A	GY0201X-1 * ED A K1-6	MOC	GY0201	
63	17	11L	A	GY0231X-0 * ED A K7-15	MOC	GY0231	
63	17	12U	A	GY0202X-1 * ED B K1-6	MOC	GY0202	
63	17	12L	A	GY0232X-0 * ED B K7-15	MOC	GY0232	
63	17	13U	R	GF9998U * GLY T	MOC	GF9998	
63	17	13L	A	GF9986U-1 * GLY LOW	MOC	GF9986	
63	17	14U	R	GF4101P * H2O ΔP	MOC	GF4101	38
63	17	14L	R	LM4611 * D1 H2O Q#	MOC	LEM4611C	
63	17	15U	R	LM4609 * A1 H2O Q#	MOC	LEM4609C	
63	17	15L	A	LM4703 * A2 H2O QR	MOC	LEM4703C	
63	17	16U	R	GF3584P * D1 O2 P	MOC	GF3584	
63	17	16L	A	LM4704 * DES O2 QR	MOC	LEM4704C	
63	17	17U	R	GF3582P * A1 O2 P	MOC	GF3582	
63	17	17L	A	LM4705 * A1 O2 QR	MOC	LEM4705C	
63	17	18U	R	GF3583P * A2 O2 P	MOC	GF3583	
63	17	18L	A	LM4706 * A2 O2 QR	MOC	LEM4706C	
63	22	01	W	NORMAL	PBI	--	
63	22	02	W	BSE * L. MON.	PBI	10	
63	22	03	W	BSE * C. MON.	PBI	10	
63	22	04	W	BSE * R. MON.	PBI	10	
63	22	05	W	FIDO * L. MON.	PBI	11	
63	22	06	W	FIDO * R. MON.	PBI	11	
63	22	07	W	GUIDO * L. MON.	PBI	12	
63	22	08	W	GUIDO * R. MON.	PBI	12	
63	22	09	W	PPS * L. MON.	PBI	33	
63	22	10	W	ENS * R. MON.	PBI	33	
63	22	11	W	GND * L. MON.	PBI	34	
63	22	12	W	ACS * R. MON.	PBI	34	
63	23	01U	A	X ACC * FAIL B	MOC	GSWD23	
63	23	01L	A	Y ACC * FAIL B	MOC	GSWD21	
63	23	02U	A	Z ACC * FAIL B	MOC	GSWD25	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
63	23	02L	R	EXCESS * P/Y RATE	MOC	K0084-602	
63	23	03U	R	GUID * REF FAIL	MOC	GMW2D08	
63	23	03L	R	EXCESS * RATE ROLL	MOC	K0083-602	
63	23	04U	A	EDS/MAN A * C/O OF LV	MOC	K0075-602	
63	23	04L	R	ABORT	MOC	K0072-602	
63	23	05U	A	PIT SERVO * AMP S/O	MOC	K0022-602	
63	23	05L	A	YAW SERVO * AMP S/O	MOC	K0023-602	
63	23	06U	A	R-Y I SP * AMP S/O	MOC	K0024-602	
63	23	06L	A	R-Y II SP * AMP S/O	MOC	K0026-602	
63	23	07U	A	PIT SP * AMP S/O	MOC	K0025-602	
63	23	07L	A	S/C STG * SW ON	MOC	K0085-602	
63	23	08U	G	SIC ENG 1 * TOK NO 1	MOC	K0033-115	
63	23	08L	G	SIC ENG 2 * TOK NO 1	MOC	K0036-115	
63	23	09U	G	SIC ENG 3 * TOK NO 1	MOC	K0039-115	
63	23	09L	G	SIC ENG 4 * TOK NO 1	MOC	K0042-115	
63	23	10U	G	SIC ENG 5 * TOK NO 1	MOC	K0045-115	
63	23	10L	G	SII ENG 1 * TOK NO 1	MOC	K0231-201	
63	23	11U	G	SII ENG 2 * TOK NO 1	MOC	K0231-202	
63	23	11L	G	SII ENG 3 * TOK NO 1	MOC	K0231-203	
63	23	12U	G	SII ENG 4 * TOK NO 1	MOC	K0231-204	
63	23	12L	G	SII ENG 5 * TOK NO 1	MOC	K0231-205	
63	23	13U	G	YAW/ROLL * MOD I	MOC	K0132-404	
63	23	13L	G	PITCH * MOD I	MOC	K0133-404	
63	23	14U	G	YAW/ROLL * MOD II	MOC	K0134-404	
63	23	14L	G	PITCH * MOD II	MOC	K0135-404	
63	23	15U	G	M/S NO 1 * OK	MOC	K0014-401	
63	23	15L	G	M/S NO 2 * OK	MOC	K0157-401	
63	23	16U	G	LOX * NPV OPEN	MOC	K0198-424	
63	23	16L	A	LOX VENT * OPEN	MOC	K0016-404	
63	23	17U	G	LH2 LATCH * RLF OPN	MOC	K0211-410	
63	23	17L	A	LH2 VENT * OPEN	MOC	K0017-410	
63	23	18U	G	CVS REG * SOL CLS	MOC	K0154-411	
63	23	18L	G	CVS ORF * BY CLS	MOC	K0155-411	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
64	02	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
64	02	01L	G	CSM * STATIC	CCATS	300C	
64	02	02U	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
64	02	02L	B	CSM PM * DN LOCK	STRIP	CSMUSB04	
64	02	03U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
64	02	03L	B	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
64	02	04U		(BLANK)	MOC	043U	
64	02	04L		(BLANK)	MOC	043U	
64	02	05U	W	CSM * LFI	CCATS	358C	
64	02	05L	B	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
64	02	06U		(BLANK)	MOC	043U	
64	02	06L	B	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
64	02	07U	G	LM UDL * 70KHZ	STRIP	LMUSB01	
64	02	07L	R	LM * STATIC	CCATS	111L	
64	02	08U	G	LM G/A * 30KHZ	STRIP	LMUSB02	
64	02	08L	A	LM PM * DN LOCK	STRIP	LMUSB04	
64	02	09U	G	LM PRN * UPLINK	STRIP	LMUSB03	
64	02	09L	A	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
64	02	10U		(BLANK)	MOC	043U	
64	02	10L	A	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
64	02	11U	W	LM * LFI	CCATS	024L	
64	02	11L	A	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
64	02	12U		(BLANK)	MOC	043U	
64	02	12L	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
64	02	13U	G	IU UDL * 70KHZ	STRIP	IUUSB01	
64	02	13L	G	CSM * LIVE	CCATS	299C	
64	02	14U	G	IU PRN * UPLINK	STRIP	IUUSB03	
64	02	14L	G	LM * LIVE	CCATS	110L	
64	02	15U	G	IU PM * DN LOCK	STRIP	IUUSB04	
64	02	15L	G	SIU * LIVE	CCATS	061I	
64	02	16U	W	CCS TM * SYNC	STRIP	IUUSB07	
64	02	16L	G	SIVB * LIVE	CCATS	228S	
64	02	17U		(BLANK)	MOC	043U	
64	02	17L	G	SII * LIVE	CCATS	354S	
64	02	18U		(BLANK)	MOC	043U	
64	02	18L	G	SIC * LIVE	CCATS	401S	
64	03	01U	R	USB S/S * CT0620V	MOC	CT0620	
64	03	01L		(BLANK)	MOC	043U	
64	03	02U	B	USB Ø ERR * CT0640V	MOC	CT0640	40
64	03	02L	B	UDL SYS * VAL SIG	STRIP	CT0262	
64	03	03U	B	LBR * CT0120X	MOC	CSM03E	
64	03	03L	G	DSE RUN * CT0012X	MOC	CT0012	
64	03	04U	B	CSM LIMIT * DISABLE	MOC	CSMCATY	
64	03	04L	B	XPNDR CAL * NO.2-20	MOC	CSM13I	
64	03	05U		(BLANK)	MOC	043U	
64	03	05L	B	PCM INT * CT0340X R	MOC	CT0340	
64	03	06U	R	HGA SCAN	MOC	009H	
64	03	06L	B	MC&W * CS0150X R	MOC	CS0150	
64	03	07U	R	RCVR SIG * GT0994V-1	MOC	GT0994	
64	03	07L		(BLANK)	MOC	043U	
64	03	08U	A	ST Ø ERR * GT0992B-1	MOC	GT0992	40
64	03	08L	A	S ANT TMP * GT0454T-1	MOC	GT0454	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER		NOTE
64	03	09U	A	LEM31E * LBR	MOC	LEM31E		
64	03	09L	B	XMTR PO * GT0993E-1	MOC	GT0993		
64	03	10U	A	LM LIMIT * DISABLE	MOC	LEMCAT9		
64	03	10L	A	S-BAND * SEC CAL	MOC	LEM19I		
64	03	11U		(BLANK)	MOC	043U		
64	03	11L	A	GL4069X-1 * MSTR ALRM	MOC	GL4069		
64	03	12U	R	STRBL * SCAN	MOC	002S		
64	03	12L	B	GL4054X-1 * C&W FAIL	MOC	GL4054		
64	03	13U	W	IP SMOOTH * NO MESSAGE	MOC	023I		
64	03	13L	R	IP SMOOTH * NOT VALID	MOC	021I		
64	03	14U	W	IP RAW * NO MESSAGE	MOC	012I		
64	03	14L	R	IP RAW * NOT VALID	MOC	015I		
64	03	15U	W	USB * 600UA	MOC	600UA		
64	03	15L	W	IU * MOC	MOC	603IA		
64	03	16U	W	USB * NO MESSAGE	MOC	034U		
64	03	16L	W	USB * NOT VALID	MOC	035U		
64	03	17U	W	IP SMOOTH * 600IA	MOC	600IA		
64	03	17L	W	IP RAW * 602IA	MOC	602IA		
64	03	18U	R	ABORT * 001A	MOC	001A		
64	03	18L	W	ORBIT * 0140	MOC	0140		
64	04	01	W	NORMAL	PBI		--	
64	04	02	W	FIDO * L. MON.	PBI		11	
64	04	03	W	FIDO * R. MON.	PBI		11	
64	04	04	W	INCO * L. MON.	PBI		04	
64	04	05	W	INCO * R. MON.	PBI		04	
64	04	06	W	COMM * L. MON.	PBI		24	
64	04	07	W	COMM * R. MON.	PBI		24	
64	04	08	W	NET * L. MON.	PBI		18	
64	04	09	W	NET * R. MON.	PBI		18	
64	04	10	W	TRKING * DATA SEL * L. MON.	PBI		46	
64	04	11	W	TRKING * DATA SEL * R. MON.	PBI		46	
64	04	12	W	FD * R. MON.	PBI		02	
64	09	01	A	ABORT * WARNING	PBI	264A		
64	09	01			PBI	043B		
64	09	02	R	ABORT * REQUEST	PBI	002A		
64	09	02			PBI	043B		
64	09	03	R	ABORT * COMMAND	PBI	265A		16
64	09	03			PBI	043B		
64	09	04	W	ABORT * COMMAND * VERIFIED	PBI	266A		17
64	09	05		(BLANK)	PBI	043U		
64	09	06		(BLANK)	PBI	043U		
64	09	07	A	AMR 1 * HOLD	PBI	267A		
64	09	07			PBI	043B		
64	09	08	G	AMR 1 * PROCEED	PBI	268A		
64	09	08			PBI	043B		
64	09	09	A	AMR 2 * HOLD	PBI	269A		
64	09	09			PBI	043B		
64	09	10	G	AMR 2 * PROCEED	PBI	270A		
64	09	10			PBI	043B		
64	09	11		(BLANK)	PBI	043U		
64	09	12		(BLANK)	PBI	043U		

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
65	02	01U	W	CMC L/O * 931C3005R	MOC	CH30B05	
65	02	01L	G	SIC IBECO * (TB2)	MOC	GMW1D20	
65	02	02U	R	SII ENG 5 * T2 NOT OK	MOC	K0286-205	
65	02	02L	G	EDS/MAN B * C/O OF LV	MOC	K0076-602	
65	02	03U	G	S4 ULLAGE * 931C3001R	MOC	CH30B01	
65	02	03L	W	M/S NO 1 * OK	MOC	K0014-401	
65	02	04U	G	CMC * LIVE	CCATS	302C	
65	02	04L	G	ENG PRESS * SP0661P	MOC	SP0661	
65	02	05U	G	SLA SEP A * CD0123X	MOC	CD0123	
65	02	05L	G	SLA SEP B * CD0124X	MOC	CD0124	
65	02	06U	A	S4 SP/ABT * 931C3004R	MOC	CH30B04	
65	02	06L	G	SCS RCS A * CD0170X	MOC	CD0170	
65	02	07U	G	SCS RCS B * CD0171X	MOC	CD0171	
65	02	07L	B	A/P CONT * 932C3115R	MOC	CH31B15	
65	02	08U	B	FREE/AUTO * 932C3113S	MOC	CH31B13	
65	02	08L	B	HOLD/AUTO * 932C3114S	MOC	CH31B14	
65	02	09U	B	IMU CAGE * 931C3011R	MOC	CH30B11	
65	02	09L	G	+X TRANS * 932C3107R	MOC	CH31B07	
65	02	10U	G	SPS READY * 931C3003R	MOC	CH30B03	
65	02	10L	G	TVC ENABL * 912C1208S	MOC	CH12B08	
65	02	11U	G	SPS D1 * CH3604X R	MOC	CH3604	
65	02	11L	G	SPS D2 * CH3605X R	MOC	CH3605	
65	02	12U	G	DAP DB5. * 821D0104S	MOC	DD1B04	
65	02	12L	G	ENG ON * 911C1113S	MOC	CH11B13	
65	02	13U	G	RNG SEP A * CD1154X	MOC	CD1154	
65	02	13L	G	RNG SEP B * CD1155X	MOC	CD1155	
65	02	14U	B	CG LM/CSM * CH3600X	MOC	CH3600	
65	02	14L	G	DRCT RCS1 * CH3601X	MOC	CH3601	
65	02	15U	G	CM RCS A * CD0173X	MOC	CD0173	
65	02	15L	G	CM RCS B * CD0174X	MOC	CD0174	
65	02	16U	G	CSM SEP A * CD0023X	MOC	CD0023	
65	02	16L	G	CSM SEP B * CD0024X	MOC	CD0024	
65	02	17U	G	P EV OUT * CF0018T	MOC	CF0018	
65	02	17L	G	DRCT RCS2 * CH3602X	MOC	CH3602	
65	02	18U	G	APEX A * CD0230X	MOC	CD0230	
65	02	18L	G	APEX B * CD0231X	MOC	CD0231	
65	03	01U	R	EDS VOT 1 * CD0132X R	MOC	CD0132	
65	03	01L	R	EDS VOT 2 * CD0133X R	MOC	CD0133	
65	03	02U	R	EDS VOT 3 * CD0134X R	MOC	CD0134	
65	03	02L	R	MC&W * CS0150X R	MOC	CS0150	
65	03	03U	R	EDS ABT A * CD0135X	MOC	CD0135	
65	03	03L	R	ABORT REQ * BS0080X	MOC	BS0080	
65	03	04U	R	CREW ABRT * CD0130X	MOC	CD0130	
65	03	04L	B	H/R 8/4 * CH3590X	MOC	CH3590	
65	03	05U	G	TC +X CMD * CH3574X	MOC	CH3574	
65	03	05L	G	TC -X CMD * CH3575X	MOC	CH3575	
65	03	06U		(BLANK)	MOC	043U	
65	03	06L		(BLANK)	MOC	043U	
65	03	07U		(BLANK)	MOC	043U	
65	03	07L	A	RAD V PS2 * SF0266X	MOC	SF0266	
65	03	08U	B	IMU HTR28 * CG1513X	MOC	CG1513	
65	03	08L	B	OPT 28VAC * CG1533X	MOC	CG1533	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
65	03	09U	B	CMC +28V * CG1523X	MOC	CG1523	
65	03	09L	R	CMC WARN * CG5040X R	MOC	CG5040	
65	03	10U	R	PIPA FAIL * 942C3313R	MOC	CH33B13	
65	03	10L	R	IMU FAIL * 931C3013R	MOC	CH30B13	
65	03	11U	A	MN DB.5/4 * CH3588X	MOC	CH3588	
65	03	11L	A	LIM CYCLE * CH3606X R	MOC	CH3606	
65	03	12U	R	GMBL LOCK * 502K1106S	MOC	DT11B06	
65	03	12L	G	CSM * LIVE	CCATS	299C	
65	03	13U	B	GY 1 SMRD * CH3623X	MOC	CH3623	
65	03	13L	B	GY 2 SMRD * CH3624X	MOC	CH3624	
65	03	14U	B	R ATT 1R2 * CH3635X	MOC	CH3635	
65	03	14L	A	R RATE 2 * CH3636X	MOC	CH3636	
65	03	15U	B	P ATT 1R2 * CH3638X	MOC	CH3638	
65	03	15L	A	P RATE 2 * CH3639X	MOC	CH3639	
65	03	16U	B	Y ATT 1R2 * CH3641X	MOC	CH3641	
65	03	16L	A	Y RATE 2 * CH3642X	MOC	CH3642	
65	03	17U	A	SC CN SCS * CH3607X	MOC	CH3607	
65	03	17L	B	DSE RUN * CT0012X	MOC	CT0012	
65	03	18U	B	LBR * CT0120X	MOC	CSM03E	
65	03	18L	A	PCM INT * CT0340X R	MOC	CT0340	
65	09	01	A	ABORT * WARNING	PBI	264A	
65	09	01			PBI	043B	
65	09	02	R	ABORT * REQUEST	PBI	002A	
65	09	02			PBI	043B	
65	09	03	R	ABORT * COMMAND	PBI	265A	16
65	09	03			PBI	043B	
65	09	04	W	ABORT * COMMAND * VERIFIED	PBI	266A	17
65	09	05		(BLANK)	PBI	043U	
65	09	06		(BLANK)	PBI	043U	
65	09	07	A	AMR 1 * HOLD	PBI	267A	
65	09	07			PBI	043B	
65	09	08	G	AMR 1 * PROCEED	PBI	268A	
65	09	08			PBI	043B	
65	09	09	A	AMR 2 * HOLD	PBI	269A	
65	09	09			PBI	043B	
65	09	10	G	AMR 2 * PROCEED	PBI	270A	
65	09	10			PBI	043B	
65	09	11		(BLANK)	PBI	043U	
65	09	12		(BLANK)	PBI	043U	
65	16	01	W	NORMAL	PBI	--	
65	16	02	W	CSM EECOM * SSR	PBI	31	
65	16	03	W	RETRO * L. MON.	PBI	13	
65	16	04	W	RETRO * R. MON.	PBI	13	
65	16	05	W	FIDO * L. MON.	PBI	11	
65	16	06	W	FIDO * R. MON.	PBI	11	
65	16	07	W	GUIDO * L. MON.	PBI	12	
65	16	08	W	GUIDO * R. MON.	PBI	12	
65	16	09	W	CSM GNC * L. MON.	PBI	08	
65	16	10	W	CSM GNC * R. MON.	PBI	08	
65	16	11	W	CSM EECOM * L. MON.	PBI	07	
65	16	12	W	CSM EECOM * R. MON.	PBI	07	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	03	01U		(BLANK)	CCATS	043U	
73A	03	01L		(BLANK)	CCATS	043U	
73A	03	02U	A	LOAD	CCATS	038L	
73A	03	02L	G	MIL	CCATS	046M	
73A	03	03U		(BLANK)	CCATS	043U	
73A	03	03L		(BLANK)	CCATS	043U	
73A	03	04U	A	LOAD	CCATS	038L	
73A	03	04L	G	ANG	CCATS	043A	
73A	03	05U	A	LOAD	CCATS	038L	
73A	03	05L	G	BDA	CCATS	013B	
73A	03	06U	A	LOAD	CCATS	038L	
73A	03	06L	G	ACN	CCATS	011A	
73A	03	07U	A	LOAD	CCATS	038L	
73A	03	07L	G	GDS	CCATS	018G	
73A	03	08U	A	LOAD	CCATS	038L	
73A	03	08L	G	GYM	CCATS	075G	
73A	03	09U	A	LOAD	CCATS	038L	
73A	03	09L	G	TEX	CCATS	012T	
73A	03	10U	A	LOAD	CCATS	038L	
73A	03	10L	G	VAN	CCATS	013V	
73A	03	11U		(BLANK)	CCATS	043U	
73A	03	11L		(BLANK)	CCATS	043U	
73A	03	12U		(BLANK)	CCATS	043U	
73A	03	12L		(BLANK)	CCATS	043U	
73A	03	13U		(BLANK)	CCATS	043U	
73A	03	13L		(BLANK)	CCATS	043U	
73A	03	14U		(BLANK)	CCATS	043U	
73A	03	14L		(BLANK)	CCATS	043U	
73A	03	15U		(BLANK)	CCATS	043U	
73A	03	15L		(BLANK)	CCATS	043U	
73A	03	16U		(BLANK)	CCATS	043U	
73A	03	16L		(BLANK)	CCATS	043U	
73A	03	17U		(BLANK)	CCATS	043U	
73A	03	17L		(BLANK)	CCATS	043U	
73A	03	18U		(BLANK)	CCATS	043U	
73A	03	18L		(BLANK)	CCATS	043U	
73A	04	01U	A	LOAD	CCATS	038L	
73A	04	01L	G	CYI	CCATS	100C	
73A	04	02U	A	LOAD	CCATS	038L	
73A	04	02L	G	MAD	CCATS	003M	
73A	04	03U	A	LOAD	CCATS	038L	
73A	04	03L	G	CRO	CCATS	057C	
73A	04	04U	A	LOAD	CCATS	038L	
73A	04	04L	G	HSK	CCATS	083H	
73A	04	05U	A	LOAD	CCATS	038L	
73A	04	05L	G	GWM	CCATS	063G	
73A	04	06U	A	LOAD	CCATS	038L	
73A	04	06L	G	HAW	CCATS	002H	
73A	04	07U		(BLANK)	CCATS	043U	
73A	04	07L		(BLANK)	CCATS	043U	
73A	04	08U		(BLANK)	CCATS	043U	
73A	04	08L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	04	09U		(BLANK)	CCATS	043U	
73A	04	09L		(BLANK)	CCATS	043U	
73A	04	10U		(BLANK)	CCATS	043U	
73A	04	10L		(BLANK)	CCATS	043U	
73A	04	11U		(BLANK)	CCATS	043U	
73A	04	11L		(BLANK)	CCATS	043U	
73A	04	12U		(BLANK)	CCATS	043U	
73A	04	12L		(BLANK)	CCATS	043U	
73A	04	13U		(BLANK)	CCATS	043U	
73A	04	13L		(BLANK)	CCATS	043U	
73A	04	14U		(BLANK)	CCATS	043U	
73A	04	14L		(BLANK)	CCATS	043U	
73A	04	15U		(BLANK)	CCATS	043U	
73A	04	15L		(BLANK)	CCATS	043U	
73A	04	16U		(BLANK)	CCATS	043U	
73A	04	16L		(BLANK)	CCATS	043U	
73A	04	17	R	TTY * INHIBIT	CCATS	106T	
73A	04	18U	G	LD ENABLE	CCATS	244L	
73A	04	18L	R	LD DISABL	CCATS	245L	
73A	05	01	W	CCATS * FORCE * VAL	CCATS	011C	
73A	05	02	W	CCATS * FORCE * NONVAL	CCATS	017C	
73A	05	03	R	CCATS * HIST * REQUEST	CCATS	012C	
73A	05	04	W	LOADS * ON * QUEUE	CCATS	276L	
73A	05	05		(BLANK)	CCATS	043U	
73A	05	06	A	RSCC * FUNCTION	CCATS	231R	
73A	05	07	W	CCATS * RECORD * SET	CCATS	167C	
73A	05	08	W	CCATS * RECORD * CLEAR	CCATS	013C	
73A	05	09	R	CCATS * LD TAB * RESET	CCATS	290C	25
73A	05	10	R	TTY * INHIBIT	CCATS	106T	25
73A	05	11	A	RSCC * LD CLR * XMIT	CCATS	032R	
73A	05	12		(BLANK)	CCATS	043U	
73A	05	13	W	CCATS * RETRANS	CCATS	015C	
73A	05	14	R	CCATS * HIST * EOF	CCATS	016C	25
73A	05	15	W	CCATS * LOAD * INVENTORY	CCATS	014C	
73A	05	16	R	QUEUE * CLEAR	CCATS	009Q	25
73A	05	17	A	RSCC * LOAD * INVENTORY	CCATS	230R	
73A	05	18		(BLANK)	CCATS	043U	
73A	06	01	A	SECOND * ITERATION	CCATS	330S	
73A	06	02	R	THIRD * ITERATION	CCATS	077T	
73A	06	03	G	SITE * VAL	CCATS	192S	
73A	06	04	R	INVALID * REQUEST	CCATS	011I	
73A	06	05	A	RSCC * INVAL	CCATS	235R	
73A	06	06	A	INVALID * LOAD * NUMBER	CCATS	103I	
73A	06	07	W	INITIATE	CCATS	009I	
73A	06	08	W	0	CCATS	026N	
73A	06	09	W	1	CCATS	027N	
73A	06	10	W	2	CCATS	028N	
73A	06	11	W	3	CCATS	029N	
73A	06	12	W	4	CCATS	030N	
73A	06	13	W	CLEAR	CCATS	028C	
73A	06	14	W	5	CCATS	031N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	06	15	W	6	CCATS	032N	
73A	06	16	W	7	CCATS	033N	
73A	06	17	W	8	CCATS	034N	
73A	06	18	W	9	CCATS	035N	
73A	07	01	W	(LOAD NO. THOUSANDS DIGIT)			
73A	07	02	W	(LOAD NO. HUNDREDS DIGIT)			
73A	07	03	W	(LOAD NO. TENS DIGIT)			
73A	07	04	W	(LOAD NO. UNITS DIGIT)			
73A	09	01U	W	00	CCATS	036N	
73A	09	01L	W	01	CCATS	037N	
73A	09	02U	W	02	CCATS	038N	
73A	09	02L	W	03	CCATS	040N	
73A	09	03U	W	04	CCATS	042N	
73A	09	03L	W	05	CCATS	044N	
73A	09	04U	W	06	CCATS	046N	
73A	09	04L	W	07	CCATS	047N	
73A	09	05U	W	08	CCATS	048N	
73A	09	05L	W	09	CCATS	049N	
73A	09	06U	W	10	CCATS	050N	
73A	09	06L	W	11	CCATS	052N	
73A	09	07U	W	12	CCATS	054N	
73A	09	07L	W	13	CCATS	057N	
73A	09	08U	W	14	CCATS	059N	
73A	09	08L	W	15	CCATS	061N	
73A	09	09U	W	16	CCATS	063N	
73A	09	09L	W	17	CCATS	065N	
73A	09	10U	W	18	CCATS	067N	
73A	09	10L	W	19	CCATS	068N	
73A	09	11U	W	20	CCATS	069N	
73A	09	11L	W	21	CCATS	071N	
73A	09	12U	W	22	CCATS	073N	
73A	09	12L	W	23	CCATS	075N	
73A	09	13U	W	24	CCATS	077N	
73A	09	13L	W	25	CCATS	079N	
73A	09	14U	W	26	CCATS	081N	
73A	09	14L	W	27	CCATS	083N	
73A	09	15U	W	28	CCATS	085N	
73A	09	15L	W	29	CCATS	086N	
73A	09	16U	W	30	CCATS	087N	
73A	09	16L	W	31	CCATS	088N	
73A	09	17U	W	32	CCATS	089N	
73A	09	17L	W	33	CCATS	091N	
73A	09	18U	W	34	CCATS	093N	
73A	09	18L	W	35	CCATS	095N	
73A	10	01U	W	36	CCATS	097N	
73A	10	01L	W	37	CCATS	098N	
73A	10	02U	W	38	CCATS	099N	
73A	10	02L	W	39	CCATS	100N	
73A	10	03U	W	40	CCATS	101N	
73A	10	03L	W	41	CCATS	103N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	10	04U	W	42	CCATS	105N	
73A	10	04L	W	43	CCATS	107N	
73A	10	05U	W	44	CCATS	109N	
73A	10	05L	W	45	CCATS	111N	
73A	10	06U	W	46	CCATS	113N	
73A	10	06L	W	47	CCATS	115N	
73A	10	07U	W	48	CCATS	117N	
73A	10	07L	W	49	CCATS	118N	
73A	10	08U	W	50	CCATS	119N	
73A	10	08L	W	51	CCATS	121N	
73A	10	09U	W	52	CCATS	123N	
73A	10	09L	W	53	CCATS	125N	
73A	10	10U	W	54	CCATS	127N	
73A	10	10L	W	55	CCATS	129N	
73A	10	11U	W	56	CCATS	131N	
73A	10	11L	W	57	CCATS	133N	
73A	10	12U	W	58	CCATS	135N	
73A	10	12L	W	59	CCATS	136N	
73A	10	13U	W	60	CCATS	137N	
73A	10	13L	W	61	CCATS	139N	
73A	10	14U	W	62	CCATS	141N	
73A	10	14L	W	63	CCATS	143N	
73A	10	15U		(BLANK)	CCATS	043U	
73A	10	15L		(BLANK)	CCATS	043U	
73A	10	16U		(BLANK)	CCATS	043U	
73A	10	16L		(BLANK)	CCATS	043U	
73A	10	17U		(BLANK)	CCATS	043U	
73A	10	17L		(BLANK)	CCATS	043U	
73A	10	18U		(BLANK)	CCATS	043U	
73A	10	18L		(BLANK)	CCATS	043U	
73A	12	01U	G	FC	CCATS	002F	
73A	12	01L	R	M&O	CCATS	001M	
73A	16	01		(BLANK)	CCATS	043U	
73A	16	02	G	MIL * FDO	CCATS	054M	
73A	16	03		(BLANK)	CCATS	043U	
73A	16	04	G	ANG * FDO	CCATS	052A	
73A	16	05	G	BDA * FDO	CCATS	023B	
73A	16	06	G	ACN * FDO	CCATS	018A	
73A	16	07	G	CYI * FDO	CCATS	108C	
73A	16	08	G	MAD * FDO	CCATS	010M	
73A	16	09	G	CRO * FDO	CCATS	067C	
73A	16	10	G	HSK * FDO	CCATS	084H	
73A	16	11	G	GWM * FDO	CCATS	073G	
73A	16	12	G	HAW * FDO	CCATS	012H	
73A	16	13	G	GDS * FDO	CCATS	025G	
73A	16	14	G	GYM * FDO	CCATS	083G	
73A	16	15	G	TEX * FDO	CCATS	020T	
73A	16	16	G	VAN * FDO	CCATS	020V	
73A	16	17		(BLANK)	CCATS	043U	
73A	16	18		(BLANK)	CCATS	043U	
73A	16	19		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	16	20		(BLANK)	CCATS	043U	
73A	16	21		(BLANK)	CCATS	043U	
73A	16	22	G	MIL * BSE	CCATS	052M	
73A	16	23		(BLANK)	CCATS	043U	
73A	16	24	G	ANG * BSE	CCATS	050A	
73A	16	25	G	BDA * BSE	CCATS	021B	
73A	16	26	G	ACN * BSE	CCATS	016A	
73A	16	27	G	CYI * BSE	CCATS	106C	
73A	16	28	G	MAD * BSE	CCATS	008M	
73A	16	29	G	CRO * BSE	CCATS	065C	
73A	16	30	G	HSK * BSE	CCATS	085H	
73A	16	31	G	GWM * BSE	CCATS	071G	
73A	16	32	G	HAW * BSE	CCATS	010H	
73A	16	33	G	GDS * BSE	CCATS	023G	
73A	16	34	G	GYM * BSE	CCATS	081G	
73A	16	35	G	TEX * BSE	CCATS	018T	
73A	16	36	G	VAN * BSE	CCATS	021V	
73A	16	37		(BLANK)	CCATS	043U	
73A	16	38		(BLANK)	CCATS	043U	
73A	16	39		(BLANK)	CCATS	043U	
73A	16	40		(BLANK)	CCATS	043U	
73A	16	41		(BLANK)	CCATS	043U	
73A	16	42	G	MIL * CSM	CCATS	053M	
73A	16	43		(BLANK)	CCATS	043U	
73A	16	44	G	ANG * CSM	CCATS	051A	
73A	16	45	G	BDA * CSM	CCATS	022B	
73A	16	46	G	ACN * CSM	CCATS	017A	
73A	16	47	G	CYI * CSM	CCATS	107C	
73A	16	48	G	MAD * CSM	CCATS	009M	
73A	16	49	G	CRO * CSM	CCATS	066C	
73A	16	50	G	HSK * CSM	CCATS	086H	
73A	16	51	G	GWM * CSM	CCATS	072G	
73A	16	52	G	HAW * CSM	CCATS	011H	
73A	16	53	G	GDS * CSM	CCATS	024G	
73A	16	54	G	GYM * CSM	CCATS	082G	
73A	16	55	G	TEX * CSM	CCATS	019T	
73A	16	56	G	VAN * CSM	CCATS	015V	
73A	16	57		(BLANK)	CCATS	043U	
73A	16	58		(BLANK)	CCATS	043U	
73A	16	59		(BLANK)	CCATS	043U	
73A	16	60		(BLANK)	CCATS	043U	
73A	16	61		(BLANK)	CCATS	043U	
73A	16	62	G	MIL * LM	CCATS	048M	
73A	16	63		(BLANK)	CCATS	043U	
73A	16	64	G	ANG * LM	CCATS	045A	
73A	16	65	G	BDA * LM	CCATS	017B	
73A	16	66	G	ACN * LM	CCATS	012A	
73A	16	67	G	CYI * LM	CCATS	102C	
73A	16	68	G	MAD * LM	CCATS	004M	
73A	16	69	G	CRO * LM	CCATS	061C	
73A	16	70	G	HSK * LM	CCATS	087H	
73A	16	71	G	GWM * LM	CCATS	067G	
73A	16	72	G	HAW * LM	CCATS	006H	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	16	73	G	GDS * LM	CCATS	019G	
73A	16	74	G	GYM * LM	CCATS	077G	
73A	16	75	G	TEX * LM	CCATS	014T	
73A	16	76	G	VAN * LM	CCATS	016V	
73A	16	77		(BLANK)	CCATS	043U	
73A	16	78		(BLANK)	CCATS	043U	
73A	16	79		(BLANK)	CCATS	043U	
73A	16	80		(BLANK)	CCATS	043U	
73A	16	81		(BLANK)	CCATS	043U	
73A	16	82	G	MIL * GUID	CCATS	050M	
73A	16	83		(BLANK)	CCATS	043U	
73A	16	84	G	ANG * GUID	CCATS	048A	
73A	16	85	G	BDA * GUID	CCATS	019B	
73A	16	86	G	ACN * GUID	CCATS	014A	
73A	16	87	G	CYI * GUID	CCATS	104C	
73A	16	88	G	MAD * GUID	CCATS	006M	
73A	16	89	G	CRO * GUID	CCATS	063C	
73A	16	90	G	HSK * GUID	CCATS	088H	
73A	16	91	G	GWM * GUID	CCATS	069G	
73A	16	92	G	HAW * GUID	CCATS	008H	
73A	16	93	G	GDS * GUID	CCATS	021G	
73A	16	94	G	GYM * GUID	CCATS	079G	
73A	16	95	G	TEX * GUID	CCATS	016T	
73A	16	96	G	VAN * GUID	CCATS	018V	
73A	16	97		(BLANK)	CCATS	043U	
73A	16	98		(BLANK)	CCATS	043U	
73A	16	99		(BLANK)	CCATS	043U	
73A	16	100		(BLANK)	CCATS	043U	
73A	16	101		(BLANK)	CCATS	043U	
73A	16	102		(BLANK)	CCATS	043U	
73A	16	103		(BLANK)	CCATS	043U	
73A	16	104		(BLANK)	CCATS	043U	
73A	16	105		(BLANK)	CCATS	043U	
73A	16	106		(BLANK)	CCATS	043U	
73A	16	107		(BLANK)	CCATS	043U	
73A	16	108		(BLANK)	CCATS	043U	
73A	16	109		(BLANK)	CCATS	043U	
73A	16	110		(BLANK)	CCATS	043U	
73A	16	111		(BLANK)	CCATS	043U	
73A	16	112		(BLANK)	CCATS	043U	
73A	16	113		(BLANK)	CCATS	043U	
73A	16	114		(BLANK)	CCATS	043U	
73A	16	115		(BLANK)	CCATS	043U	
73A	16	116		(BLANK)	CCATS	043U	
73A	16	117		(BLANK)	CCATS	043U	
73A	16	118		(BLANK)	CCATS	043U	
73A	16	119		(BLANK)	CCATS	043U	
73A	16	120		(BLANK)	CCATS	043U	
73A	16	121		(BLANK)	CCATS	043U	
73A	16	122	G	MIL * EXP	CCATS	160M	
73A	16	123		(BLANK)	CCATS	043U	
73A	16	124	G	ANG * EXP	CCATS	228A	
73A	16	125	G	BDA * EXP	CCATS	162B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	16	126	G	ACN * EXP	CCATS	229A	
73A	16	127	G	CYI * EXP	CCATS	291C	
73A	16	128	G	MAD * EXP	CCATS	161M	
73A	16	129	G	CRO * EXP	CCATS	292C	
73A	16	130	G	HSK * EXP	CCATS	089H	
73A	16	131	G	GWM * EXP	CCATS	122G	
73A	16	132	G	HAW * EXP	CCATS	068H	
73A	16	133	G	GDS * EXP	CCATS	123G	
73A	16	134	G	GYM * EXP	CCATS	124G	
73A	16	135	G	TEX * EXP	CCATS	082T	
73A	16	136	G	VAN * EXP	CCATS	055V	
73A	16	137		(BLANK)	CCATS	043U	
73A	16	138		(BLANK)	CCATS	043U	
73A	16	139		(BLANK)	CCATS	043U	
73A	16	140		(BLANK)	CCATS	043U	
73A	16	141		(BLANK)	CCATS	043U	
73A	16	142	G	MIL * CCC	CCATS	049M	
73A	16	143	G	GBM * CCC	CCATS	010G	
73A	16	144	G	ANG * CCC	CCATS	046A	
73A	16	145	G	BDA * CCC	CCATS	018B	
73A	16	146	G	ACN * CCC	CCATS	013A	
73A	16	147	G	CYI * CCC	CCATS	103C	
73A	16	148	G	MAD * CCC	CCATS	005M	
73A	16	149	G	CRO * CCC	CCATS	062C	
73A	16	150	G	HSK * CCC	CCATS	090H	
73A	16	151	G	GWM * CCC	CCATS	068G	
73A	16	152	G	HAW * CCC	CCATS	007H	
73A	16	153	G	GDS * CCC	CCATS	020G	
73A	16	154	G	GYM * CCC	CCATS	078G	
73A	16	155	G	TEX * CCC	CCATS	015T	
73A	16	156	G	VAN * CCC	CCATS	017V	
73A	16	157		(BLANK)	CCATS	043U	
73A	16	158		(BLANK)	CCATS	043U	
73A	16	159		(BLANK)	CCATS	043U	
73A	16	160		(BLANK)	CCATS	043U	
73A	16	161		(BLANK)	CCATS	043U	
73A	16	162	G	MIL	CCATS	046M	
73A	16	163		(BLANK)	CCATS	043U	
73A	16	164	G	ANG	CCATS	043A	
73A	16	165	G	BDA	CCATS	013B	
73A	16	166	G	ACN	CCATS	011A	
73A	16	167	G	CYI	CCATS	100C	
73A	16	168	G	MAD	CCATS	003M	
73A	16	169	G	CRO	CCATS	057C	
73A	16	170	G	HSK	CCATS	083H	
73A	16	171	G	GWM	CCATS	063G	
73A	16	172	G	HAW	CCATS	002H	
73A	16	173	G	GDS	CCATS	018G	
73A	16	174	G	GYM	CCATS	075G	
73A	16	175	G	TEX	CCATS	012T	
73A	16	176	G	VAN	CCATS	013V	
73A	16	177		(BLANK)	CCATS	043U	
73A	16	178		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	16	179		(BLANK)	CCATS	043U	
73A	16	180		(BLANK)	CCATS	043U	
73A	16	181		(BLANK)	CCATS	043U	
73A	16	182	G	MIL	CCATS	046M	
73A	16	183		(BLANK)	CCATS	043U	
73A	16	184	G	ANG	CCATS	043A	
73A	16	185	G	BDA	CCATS	013B	
73A	16	186	G	ACN	CCATS	011A	
73A	16	187	G	CYI	CCATS	100C	
73A	16	188	G	MAD	CCATS	003M	
73A	16	189	G	CRO	CCATS	057C	
73A	16	190	G	HSK	CCATS	083H	
73A	16	191	G	GWM	CCATS	063G	
73A	16	192	G	HAW	CCATS	002H	
73A	16	193	G	GDS	CCATS	018G	
73A	16	194	G	GYM	CCATS	075G	
73A	16	195	G	TEX	CCATS	012T	
73A	16	196	G	VAN	CCATS	013V	
73A	16	197		(BLANK)	CCATS	043U	
73A	16	198		(BLANK)	CCATS	043U	
73A	16	199		(BLANK)	CCATS	043U	
73A	16	200		(BLANK)	CCATS	043U	
73A	16	201	W	FD/FIDO	CCATS	027F	95
73A	16	201	G		CCATS	027F	
73A	16	202	W	BOOSTER	CCATS	028B	95
73A	16	202	G		CCATS	028B	
73A	16	203UL	W	CSM/EECOM	CCATS	172C	36
73A	16	203UR	G		CCATS	172C	
73A	16	203LL		(BLANK)	CCATS	043U	
73A	16	203LR		(BLANK)	CCATS	043U	
73A	16	204UL	W	LM/EECOM	CCATS	170L	36
73A	16	204UR	G		CCATS	170L	
73A	16	204LL	W	LM/GNC	CCATS	171L	37
73A	16	204LR	G		CCATS	171L	
73A	16	205	W	GUIDO	CCATS	058G	95
73A	16	205	G		CCATS	058G	
73A	16	206		(BLANK)	CCATS	043U	
73A	16	206		(BLANK)	CCATS	043U	
73A	16	207	W	EXP	CCATS	067E	95
73A	16	207	G		CCATS	067E	
73A	16	208	W	CCC	CCATS	018C	95
73A	16	208	G		CCATS	018C	
73A	17	01U	W	UHF	CCATS	002U	
73A	17	01L	G	USB	CCATS	031U	
73A	17	02U	W	UHF	CCATS	002U	
73A	17	02L	G	USB	CCATS	031U	
73A	17	03U	W	UHF	CCATS	002U	
73A	17	03L	G	USB	CCATS	031U	
73A	17	04		(BLANK)	CCATS	043U	
73A	17	04	W	MIL	CCATS	046M	
73A	17	04		(BLANK)	CCATS	043U	
73A	17	04	W	ANG	CCATS	043A	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	17	04	W	BDA	CCATS	013B	
73A	17	04	W	ACN	CCATS	011A	
73A	17	04	W	CYI	CCATS	100C	
73A	17	04	W	MAD	CCATS	003M	
73A	17	04	W	CRO	CCATS	057C	
73A	17	04	W	HSK	CCATS	083H	
73A	17	04		(BLANK)	CCATS	043U	
73A	17	04		(BLANK)	CCATS	043U	
73A	17	05	W	GWM	CCATS	063G	
73A	17	05	W	HAW	CCATS	002H	
73A	17	05	W	GDS	CCATS	018G	
73A	17	05	W	GYM	CCATS	075G	
73A	17	05	W	TEX	CCATS	012T	
73A	17	05	W	VAN	CCATS	013V	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	05		(BLANK)	CCATS	043U	
73A	17	06		(BLANK)	CCATS	043U	
73A	17	06	W	MIL	CCATS	046M	
73A	17	06		(BLANK)	CCATS	043U	
73A	17	06	W	ANG	CCATS	043A	
73A	17	06	W	BDA	CCATS	013B	
73A	17	06	W	ACN	CCATS	011A	
73A	17	06	W	CYI	CCATS	100C	
73A	17	06	W	MAD	CCATS	003M	
73A	17	06	W	CRO	CCATS	057C	
73A	17	06	W	HSK	CCATS	083H	
73A	17	06		(BLANK)	CCATS	043U	
73A	17	06		(BLANK)	CCATS	043U	
73A	17	07	W	GWM	CCATS	063G	
73A	17	07	W	HAW	CCATS	002H	
73A	17	07	W	GDS	CCATS	018G	
73A	17	07	W	GYM	CCATS	075G	
73A	17	07	W	TEX	CCATS	012T	
73A	17	07	W	VAN	CCATS	013V	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	07		(BLANK)	CCATS	043U	
73A	17	08		(BLANK)	CCATS	043U	
73A	17	08	W	MIL	CCATS	046M	
73A	17	08		(BLANK)	CCATS	043U	
73A	17	08	W	ANG	CCATS	043A	
73A	17	08	W	BDA	CCATS	013B	
73A	17	08	W	ACN	CCATS	011A	
73A	17	08	W	CYI	CCATS	100C	
73A	17	08	W	MAD	CCATS	003M	
73A	17	08	W	CRO	CCATS	057C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	17	08	W	HSK	CCATS	083H	
73A	17	08		(BLANK)	CCATS	043U	
73A	17	08		(BLANK)	CCATS	043U	
73A	17	09	W	GWM	CCATS	063G	
73A	17	09	W	HAW	CCATS	002H	
73A	17	09	W	GDS	CCATS	018G	
73A	17	09	W	GYM	CCATS	075G	
73A	17	09	W	TEX	CCATS	012T	
73A	17	09	W	VAN	CCATS	013V	
73A	17	09		(BLANK)	CCATS	043U	
73A	17	09		(BLANK)	CCATS	043U	
73A	17	09		(BLANK)	CCATS	043U	
73A	17	09		(BLANK)	CCATS	043U	
73A	17	09		(BLANK)	CCATS	043U	
73A	17	09		(BLANK)	CCATS	043U	
73A	19	01U		(BLANK)	CCATS	043U	
73A	19	01L		(BLANK)	CCATS	043U	
73A	19	02U	A	UHF MIL	CCATS	015U	
73A	19	02L	G	MIL USB	CCATS	055M	
73A	19	03U		(BLANK)	CCATS	043U	
73A	19	03L		(BLANK)	CCATS	043U	
73A	19	04U	A	UHF ANG	CCATS	003U	
73A	19	04L	G	ANG USB	CCATS	053A	
73A	19	05U	A	UHF BDA	CCATS	005U	
73A	19	05L	G	BDA USB	CCATS	024B	
73A	19	06U	A	UHF ACN	CCATS	004U	
73A	19	06L	G	ACN USB	CCATS	019A	
73A	19	07U	A	UHF CYI	CCATS	006U	
73A	19	07L	G	CYI USB	CCATS	109C	
73A	19	08U	A	UHF MAD	CCATS	016U	
73A	19	08L	G	MAD USB	CCATS	011M	
73A	19	09U	A	UHF CRO	CCATS	007U	
73A	19	09L	G	CRO USB	CCATS	068C	
73A	19	10U	A	UHF HSK	CCATS	082U	
73A	19	10L	G	HSK USB	CCATS	091H	
73A	19	11U	A	UHF GWM	CCATS	011U	
73A	19	11L	G	GWM USB	CCATS	074G	
73A	19	12U	A	UHF HAW	CCATS	014U	
73A	19	12L	G	HAW USB	CCATS	013H	
73A	19	13U	A	UHF GDS	CCATS	012U	
73A	19	13L	G	GDS USB	CCATS	026G	
73A	19	14U	A	UHF GYM	CCATS	013U	
73A	19	14L	G	GYM USB	CCATS	084G	
73A	19	15U	A	UHF TEX	CCATS	020U	
73A	19	15L	G	TEX USB	CCATS	021T	
73A	19	16U	A	UHF VAN	CCATS	021U	
73A	19	16L	G	VAN USB	CCATS	022V	
73A	19	17U		(BLANK)	CCATS	043U	
73A	19	17L		(BLANK)	CCATS	043U	
73A	19	18U		(BLANK)	CCATS	043U	
73A	19	18L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
73A	20	01U		(BLANK)	CCATS	043U	
73A	20	01L		(BLANK)	CCATS	043U	
73A	20	02	A	UHF * SITE * STATUS	CCATS	071U	
73A	20	03	W	STATUS * DISPLAY * REQUEST	CCATS	358S	
73A	20	04	R	S-IVB	CCATS	015S	
73A	20	05	A	UHF	CCATS	002U	
73A	20	06	G	FORCED * DISPLAY	CCATS	031F	
73A	20	07U		(BLANK)	CCATS	043U	
73A	20	07L		(BLANK)	CCATS	043U	
73A	20	08	G	USB * SITE * STATUS	CCATS	072U	
73A	20	09U		(BLANK)	CCATS	043U	
73A	20	09L		(BLANK)	CCATS	043U	
73A	20	10	W	CSM	CCATS	073C	
73A	20	11	G	USB	CCATS	031U	
73A	20	12	R	CANCEL	CCATS	331C	
73A	20	13U		(BLANK)	CCATS	043U	
73A	20	13L		(BLANK)	CCATS	043U	
73A	20	14U	G	SITE VAL	CCATS	192S	
73A	20	14L	A	SITE INVAL	CCATS	345S	
73A	20	15U		(BLANK)	CCATS	043U	
73A	20	15L		(BLANK)	CCATS	043U	
73A	20	16	G	LM	CCATS	010L	
73A	20	17	W	DISPLAY	CCATS	011D	
73A	20	18	W	INVALID * REQUEST * CLEAR	CCATS	099I	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	03	01U		(BLANK)	CCATS	043U	
74A	03	01L	W	MIL	CCATS	046M	
74A	03	02U		(BLANK)	CCATS	043U	
74A	03	02L	W	ANG	CCATS	043A	
74A	03	03U	W	BDA	CCATS	013B	
74A	03	03L	W	ACN	CCATS	011A	
74A	03	04U	W	CYI	CCATS	100C	
74A	03	04L	W	MAD	CCATS	003M	
74A	03	05U	W	CRO	CCATS	057C	
74A	03	05L	W	HSK	CCATS	083H	
74A	03	06U	W	GWM	CCATS	063G	
74A	03	06L	W	HAW	CCATS	002H	
74A	03	07U	W	GDS	CCATS	018G	
74A	03	07L	W	GYM	CCATS	075G	
74A	03	08U	W	TEX	CCATS	012T	
74A	03	08L	W	VAN	CCATS	013V	
74A	03	09U		(BLANK)	CCATS	043U	
74A	03	09L		(BLANK)	CCATS	043U	
74A	03	10U		(BLANK)	CCATS	043U	
74A	03	10L		(BLANK)	CCATS	043U	
74A	03	11U		(BLANK)	CCATS	043U	
74A	03	11L		(BLANK)	CCATS	043U	
74A	03	12U		(BLANK)	CCATS	043U	
74A	03	12L		(BLANK)	CCATS	043U	
74A	03	13U	R	ABORT LIGHT * B ON	CCATS	243A	
74A	03	13L	R	FIDO	CCATS	133F	
74A	03	14U	R	ABORT LIGHT * B ON	CCATS	243A	
74A	03	14L	R	BSE	CCATS	047B	
74A	03	15U	R	ABORT LIGHT * B ON	CCATS	243A	
74A	03	15L	R	FD	CCATS	112F	
74A	03	16U	R	ABORT LIGHT * A ON	CCATS	244A	
74A	03	16L	R	FIDO	CCATS	133F	
74A	03	17U	R	ABORT LIGHT * A ON	CCATS	244A	
74A	03	17L	R	BSE	CCATS	047B	
74A	03	18U	R	ABORT LIGHT * A ON	CCATS	244A	
74A	03	18L	R	FD	CCATS	112F	
74A	04	01U		(BLANK)	CCATS	043U	
74A	04	01L		(BLANK)	CCATS	043U	
74A	04	02U		(BLANK)	CCATS	043U	
74A	04	02L		(BLANK)	CCATS	043U	
74A	04	03U		(BLANK)	CCATS	043U	
74A	04	03L		(BLANK)	CCATS	043U	
74A	04	04U		(BLANK)	CCATS	043U	
74A	04	04L		(BLANK)	CCATS	043U	
74A	04	05U		(BLANK)	CCATS	043U	
74A	04	05L		(BLANK)	CCATS	043U	
74A	04	06U		(BLANK)	CCATS	043U	
74A	04	06L		(BLANK)	CCATS	043U	
74A	04	07U		(BLANK)	CCATS	043U	
74A	04	07L		(BLANK)	CCATS	043U	
74A	04	08U		(BLANK)	CCATS	043U	
74A	04	08L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	04	09U		(BLANK)	CCATS	043U	
74A	04	09L		(BLANK)	CCATS	043U	
74A	04	10U		(BLANK)	CCATS	043U	
74A	04	10L		(BLANK)	CCATS	043U	
74A	04	11U		(BLANK)	CCATS	043U	
74A	04	11L		(BLANK)	CCATS	043U	
74A	04	12U		(BLANK)	CCATS	043U	
74A	04	12L		(BLANK)	CCATS	043U	
74A	04	13U	R	ABORT LIGHT * B OFF	CCATS	245A	
74A	04	13L	R	FD	CCATS	112F	
74A	04	14U	R	ABORT LIGHT * A OFF	CCATS	246A	
74A	04	14L	R	FD	CCATS	112F	
74A	04	15U		(BLANK)	CCATS	043U	
74A	04	15L		(BLANK)	CCATS	043U	
74A	04	16U		(BLANK)	CCATS	043U	
74A	04	16L		(BLANK)	CCATS	043U	
74A	04	17U		(BLANK)	CCATS	043U	
74A	04	17L		(BLANK)	CCATS	043U	
74A	04	18U		(BLANK)	CCATS	043U	
74A	04	18L		(BLANK)	CCATS	043U	
74A	05	01U	A	USB Ø ERR * CT0640V	MOC	CT0640	40
74A	05	01L	A	USB S/S * CT0620V	MOC	CT0620	
74A	05	02U		(BLANK)	CCATS	043U	
74A	05	02L		(BLANK)	CCATS	043U	
74A	05	03U		(BLANK)	CCATS	043U	
74A	05	03L		(BLANK)	CCATS	043U	
74A	05	04U	G	UPL ACTV * 911C1103S	MOC	CH11B03	
74A	05	04L	R	BL INLINK * 921C1306S	MOC	CH13B06	
74A	05	05U	A	DNL FAST * 942C3312R	MOC	CH33B12	
74A	05	05L	R	KKK FAIL * 432F0704S	MOC	FW7B04	
74A	05	06U	R	UP TM BLK * 942C3310R	MOC	CH33B10	
74A	05	06L		(BLANK)	CCATS	043U	
74A	05	07	A	RCVR SIG * GT0994V-1	MOC	GT0994	
74A	05	08U		(BLANK)	CCATS	043U	
74A	05	08L		(BLANK)	CCATS	043U	
74A	05	09U	G	GT0441A-1 * DUA ON	STRIP	SPCGT0441	
74A	05	09L	G	GT0441B-1 * MAP	STRIP	SPCGT0441	
74A	05	10U		(BLANK)	CCATS	043U	
74A	05	10L		(BLANK)	CCATS	043U	
74A	05	11U	A	942C33120 * DNLK FAST	MOC	LCH33B12	
74A	05	11L	R	422F07041 * KKK FAIL	MOC	LFW7B04	
74A	05	12U	R	942C33100 * UPLINK SW	MOC	LCH33B10	
74A	05	12L		(BLANK)	CCATS	043U	
74A	05	13U		(BLANK)	CCATS	043U	
74A	05	13L		(BLANK)	CCATS	043U	
74A	05	14U	G	CCS * IN LOCK	MOC	J0077-603	96
74A	05	14L	G	70 KHZ * IN LOCK	MOC	J0078-603	
74A	05	15U		(BLANK)	CCATS	043U	
74A	05	15L		(BLANK)	CCATS	043U	
74A	05	16U		(BLANK)	CCATS	043U	
74A	05	16L		(BLANK)	CCATS	043U	
74A	05	17U		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	05	17L		(BLANK)	CCATS	043U	
74A	05	18U		(BLANK)	CCATS	043U	
74A	05	18L		(BLANK)	CCATS	043U	
74A	06	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
74A	06	01L	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
74A	06	02U	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
74A	06	02L	A	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
74A	06	03U	A	RF ON	CCATS	012R	
74A	06	03L	R	RF OFF	CCATS	013R	
74A	06	04U	A	UHF 1 * PRIME	CCATS	083U	
74A	06	04L	A	UHF 2 * PRIME	CCATS	084U	
74A	06	05U	A	UHF 1	CCATS	083U	
74A	06	05L	A	UHF 2	CCATS	084U	
74A	06	06U		(BLANK)	CCATS	043U	
74A	06	06L		(BLANK)	CCATS	043U	
74A	06	07U	G	LM UDL * 70KHZ	STRIP	LMUSB01	
74A	06	07L	G	LM PM * DN LOCK	STRIP	LMUSB04	
74A	06	08U	G	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
74A	06	08L	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
74A	06	09U	G	CSM * TESTED	CCATS	027C	
74A	06	09L	G	LM/SLV * TESTED	CCATS	002L	
74A	06	10U	G	USB 1 * XMTR	CCATS	085U	
74A	06	10L	G	USB 2 * XMTR	CCATS	086U	
74A	06	11U	G	USB 1 * SCO	CCATS	026U	
74A	06	11L	G	USB 2 * SCO	CCATS	027U	
74A	06	12U	G	MODE 2	CCATS	079M	
74A	06	12L	R	MODE 1	CCATS	078M	
74A	06	13U	G	IU UDL * 70KHZ	STRIP	IUUSB01	
74A	06	13L		(BLANK)	CCATS	043U	
74A	06	14U	G	CCS TM * SYNC	STRIP	IUUSB07	
74A	06	14L		(BLANK)	CCATS	043U	
74A	06	15U		(BLANK)	CCATS	043U	
74A	06	15L		(BLANK)	CCATS	043U	
74A	06	16U	G	RF GOOD	CCATS	021R	
74A	06	16L	R	RF BAD	CCATS	022R	
74A	06	17U	A	UHF * TESTED	CCATS	019U	
74A	06	17L	G	USB * TESTED	CCATS	037U	
74A	06	18U	G	LD ENABLE	CCATS	244L	
74A	06	18L	R	LD DISABL	CCATS	245L	
74A	07					043B	23
74A	07	01U	G	PAN * RIGHT	CCATS	021P	
74A	07	01L	W	04	CCATS	042N	
74A	07	02U	G	PAN * LEFT	CCATS	023P	
74A	07	02L	W	01	CCATS	037N	
74A	07	03U	G	PAN * STOP	CCATS	026P	
74A	07	03L	W	02	CCATS	038N	
74A	07	04U	G	PAN * INCREMENT	CCATS	028P	
74A	07	04L	W	RIGHT * 04-02	CCATS	031R	
74A	07	05U	G	PAN * INCREMENT	CCATS	028P	
74A	07	05L	W	LEFT * 01-02	CCATS	099L	
74A	07	06U	G	IRIS * INCREMENT	CCATS	010I	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	07	06L	W	OUT * 34-32	CCATS	0090	
74A	07	07U	G	TILT * UP	CCATS	011T	
74A	07	07L	W	14	CCATS	059N	
74A	07	08U	G	TILT * DOWN	CCATS	013T	
74A	07	08L	W	11	CCATS	052N	
74A	07	09U	G	TILT * STOP	CCATS	017T	
74A	07	09L	W	12	CCATS	054N	
74A	07	10U	G	TILT * INCREMENT	CCATS	023T	
74A	07	10L	W	UP * 14-12	CCATS	103U	
74A	07	11U	G	TILT * INCREMENT	CCATS	023T	
74A	07	11L	W	DOWN * 11-12	CCATS	021D	
74A	07	12U	G	IRIS * INCREMENT	CCATS	010I	
74A	07	12L	W	IN * 31-32	CCATS	027I	
74A	07	13U	G	ZOOM * OUT	CCATS	005Z	
74A	07	13L	W	24	CCATS	077N	
74A	07	14U	G	ZOOM * IN	CCATS	006Z	
74A	07	14L	W	21	CCATS	071N	
74A	07	15U	G	ZOOM * STOP	CCATS	007Z	
74A	07	15L	W	22	CCATS	073N	
74A	07	16U	G	ZOOM * INCREMENT	CCATS	008Z	
74A	07	16L	W	OUT * 24-22	CCATS	0080	
74A	07	17U	G	ZOOM * INCREMENT	CCATS	008Z	
74A	07	17L	W	IN * 21-22	CCATS	026I	
74A	07	18U	G	IRIS * STOP	CCATS	028I	
74A	07	18L	W	32	CCATS	089N	
74A	08	01U		(BLANK)	CCATS	043U	
74A	08	01L		(BLANK)	CCATS	043U	
74A	08	02U		(BLANK)	CCATS	043U	
74A	08	02L		(BLANK)	CCATS	043U	
74A	08	03U		(BLANK)	CCATS	043U	
74A	08	03L		(BLANK)	CCATS	043U	
74A	08	04U	G	INCO * ENABLE	CCATS	004I	
74A	08	04L	W	INCO * SELECT	CCATS	007I	
74A	08	05U		(BLANK)	CCATS	043U	
74A	08	05L		(BLANK)	CCATS	043U	
74A	08	06U	G	CCC * ENABLE	CCATS	074C	
74A	08	06L	W	CCC * SELECT	CCATS	076C	
74A	08	07U		(BLANK)	CCATS	043U	
74A	08	07L	W	CCC CMD * SELECT	CCATS	078C	
74A	08	08U		(BLANK)	CCATS	043U	
74A	08	08L		(BLANK)	CCATS	043U	
74A	08	09U		(BLANK)	CCATS	043U	
74A	08	09L		(BLANK)	CCATS	043U	
74A	08	10U	G	LM EECOM * ENABLE	CCATS	057L	
74A	08	10L	W	LM EECOM * SELECT	CCATS	066L	
74A	08	11U	G	LM GNC * ENABLE	CCATS	031L	
74A	08	11L	W	LM GNC * SELECT	CCATS	033L	
74A	08	12U	G	BSE * ENABLE	CCATS	010B	
74A	08	12L	W	BSE * SELECT	CCATS	011B	
74A	08	13U		(BLANK)	CCATS	043U	
74A	08	13L		(BLANK)	CCATS	043U	
74A	08	14U		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	08	14L		(BLANK)	CCATS	043U	
74A	08	15U		(BLANK)	CCATS	043U	
74A	08	15L		(BLANK)	CCATS	043U	
74A	08	16U	G	GUIDO * ENABLE	CCATS	005G	
74A	08	16L	W	GUIDO * SELECT	CCATS	006G	
74A	08	17U		(BLANK)	CCATS	043U	
74A	08	17L		(BLANK)	CCATS	043U	
74A	08	18U	G	EXP * ENABLE	CCATS	017E	
74A	08	18L	W	EXP * SELECT	CCATS	030E	
74A	09					043B	24
74A	09	01U	G	ENABLE	CCATS	012E	
74A	09	01L	R	DISABLE	CCATS	010D	
74A	09	02U	W	LOAD * MODE	CCATS	207L	
74A	09	02L	A	RTC * MODE	CCATS	221R	
74A	09	03U	A	UHF	CCATS	002U	
74A	09	03L	G	USB	CCATS	031U	
74A	09	04	A	SITE * SELECT	CCATS	066S	
74A	09	04	G	CARRIER * ON	CCATS	010C	
74A	09	05U	G	FC	CCATS	002F	
74A	09	05L	A	M&O	CCATS	001M	
74A	09	06	R	MAP * * OVRD	CCATS	023M	
74A	09	07U	R	DATA * REJ	CCATS	081D	
74A	09	07L	A	TM * REJ	CCATS	083T	
74A	09	08U		(BLANK)	CCATS	043U	
74A	09	08L		(BLANK)	CCATS	043U	
74A	09	09U		(BLANK)	CCATS	043U	
74A	09	09L		(BLANK)	CCATS	043U	
74A	09	10U		(BLANK)	CCATS	043U	
74A	09	10L		(BLANK)	CCATS	043U	
74A	09	11U	W	VEH 1	CCATS	059V	
74A	09	11L	W	VEH 2	CCATS	060V	
74A	09	12U	W	VA 3 * LM	CCATS	061V	
74A	09	12L	W	VA 4 * CSM	CCATS	065V	
74A	09	13U	G	DSM * SELECT	CCATS	071D	
74A	09	13L	R	CLEAR	CCATS	028C	
74A	09	14	W	VERIFY * * CLEAR	CCATS	023V	
74A	09	15U		(BLANK)	CCATS	043U	
74A	09	15L		(BLANK)	CCATS	043U	
74A	09	16U		(BLANK)	CCATS	043U	
74A	09	16L		(BLANK)	CCATS	043U	
74A	09	17U	W	VEH 5	CCATS	062V	
74A	09	17L	W	VEH 6	CCATS	063V	
74A	09	18U	R	VA 7 * SLV	CCATS	066V	
74A	09	18L	W	VEH 8	CCATS	064V	
74A	10	01U	W	TERMINATE	CCATS	007T	57
74A	10	01L		(BLANK)	CCATS	043U	57
74A	10	02U		(BLANK)	CCATS	043U	57
74A	10	02L		(BLANK)	CCATS	043U	57
74A	10	03U	W	ALT * SEQ	CCATS	092A	57
74A	10	03L	W	1	CCATS	027N	57
74A	10	04U	W	ALT * SEQ	CCATS	092A	57

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	10	04L	W	2	CCATS	028N	57
74A	10	05U	W	ALT * SEQ	CCATS	092A	57
74A	10	05L	W	3	CCATS	029N	57
74A	10	06U	W	ALT * SEQ	CCATS	092A	57
74A	10	06L	W	4	CCATS	030N	57
74A	10	07U	W	LH2 VENT	CCATS	296L	57
74A	10	07L	W	OPEN	CCATS	0600	57
74A	10	08U	W	LH2 VENT	CCATS	296L	57
74A	10	08L	W	CLOSED	CCATS	408C	57
74A	10	09U		(BLANK)	CCATS	043U	57
74A	10	09L		(BLANK)	CCATS	043U	57
74A	10	10U	W	LOX PRESS	CCATS	297L	57
74A	10	10L	W	SAFE	CCATS	449S	57
74A	10	11U	W	LOX NPV	CCATS	298L	57
74A	10	11L	W	OPEN ON	CCATS	0610	57
74A	10	12U	W	LOX NPV	CCATS	298L	57
74A	10	12L	W	OPEN OFF	CCATS	0620	57
74A	10	13U	W	S-IVB	CCATS	015S	57
74A	10	13L	W	CUTOFF	CCATS	365C	57
74A	10	14U	W	IU CMD	CCATS	115I	57
74A	10	14L	W	SYS * ENABLE	CCATS	397S	57
74A	10	15U	W	SPARE	CCATS	159S	57
74A	10	15L	W	3	CCATS	029N	57
74A	10	16U	W	MAN	CCATS	187M	57
74A	10	16L	W	A	CCATS	093A	57
74A	10	17U	W	MAN	CCATS	187M	57
74A	10	17L	W	B	CCATS	046B	57
74A	10	18U	W	SLINGSHOT	CCATS	450S	57
74A	10	18L	W	ENABLE	CCATS	012E	57
74A	10	01U	W	SALVO * RESET 1	CCATS	337S	48
74A	10	01L	W	30-32	CCATS	438N	48
74A	10	02U	W	ALC * PEAK	CCATS	027A	48
74A	10	02L	W	44	CCATS	109N	48
74A	10	03U	W	ALC * AVERAGE	CCATS	026A	48
74A	10	03L	W	41	CCATS	103N	48
74A	10	04U	W	SELECT CSM * P/B DATA	CCATS	338S	48
74A	10	04L	W	52-57	CCATS	439N	48
74A	10	05U	W	SELECT LM * P/B DATA	CCATS	339S	48
74A	10	05L	W	53	CCATS	125N	48
74A	10	06U	W	P/B MODE * RESET	CCATS	063P	48
74A	10	06L	W	52-56	CCATS	440N	48
74A	10	07U	W	SALVO * RESET 2	CCATS	340S	48
74A	10	07L	W	72-70	CCATS	441N	48
74A	10	08U	W	ACE CMC * ONE	CCATS	435S	48
74A	10	08L	W	DISABLE * 14	CCATS	435S	48
74A	10	09U	W	POWER AMP * OFF	CCATS	064P	48
74A	10	09L	W	43-46	CCATS	442N	48
74A	10	10U	W	POWER AMP * LOW	CCATS	065P	48
74A	10	10L	W	47-43	CCATS	443N	48
74A	10	11U	W	POWER AMP * HIGH	CCATS	066P	48
74A	10	11L	W	42-47	CCATS	444N	48
74A	10	12U	W	POWER AMP * RESET	CCATS	067P	48
74A	10	12L	W	42-46	CCATS	445N	48

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	10	13U	W	D OMNI * ANT SEL	CCATS	084D	48
74A	10	13L	W	75	CCATS	241N	48
74A	10	14U	W	ANTENNA * RESET	CCATS	242A	48
74A	10	14L	W	74	CCATS	243N	48
74A	10	15U	W	ACE CMC * ONE	CCATS	436S	48
74A	10	15L	W	ENABLE * 15	CCATS	436S	48
74A	10	16U	W	RANGING * DISABLE	CCATS	227R	48
74A	10	16L	W	23	CCATS	075N	48
74A	10	17U	W	RANGING * ENABLE	CCATS	228R	48
74A	10	17L	W	22-27	CCATS	446N	48
74A	10	18U	W	RANGING * RESET	CCATS	229R	48
74A	10	18L	W	22-26	CCATS	455N	48
74A	11	01	W	(LOAD NO. THOUSANDS DIGIT)			
74A	11	02	W	(LOAD NO. HUNDREDS DIGIT)			
74A	11	03	W	(LOAD NO. TENS DIGIT)			
74A	11	04	W	(LOAD NO. UNITS DIGIT)			
74A	12	01U	A	RTC	CCATS	234R	
74A	12	01L	G	INITIATE	CCATS	009I	
74A	12	02U	A	VERB	CCATS	031V	
74A	12	02L	G	INITIATE	CCATS	009I	
74A	12	03U	A	LOAD	CCATS	038L	
74A	12	03L	G	INITIATE	CCATS	009I	
74A	12	04U	A	LINE/LINE	CCATS	218L	
74A	12	04L	G	INITIATE	CCATS	009I	
74A	12	05U	A	COMPARE	CCATS	294C	
74A	12	05L	G	INITIATE	CCATS	009I	
74A	12	06U	A	CMD	CCATS	035C	
74A	12	06L	G	TERMINATE	CCATS	007T	
74A	12	07	W	0	CCATS	026N	
74A	12	08	W	1	CCATS	027N	
74A	12	09	W	2	CCATS	028N	
74A	12	10	W	3	CCATS	029N	
74A	12	11	W	4	CCATS	030N	
74A	12	12U	G	SITE * VAL	CCATS	192S	
74A	12	12L	R	RSCC * INVAL	CCATS	235R	
74A	12	13	W	5	CCATS	031N	
74A	12	14	W	6	CCATS	032N	
74A	12	15	W	7	CCATS	033N	
74A	12	16	W	8	CCATS	034N	
74A	12	17	W	9	CCATS	035N	
74A	12	18U	R	S/C REJ	CCATS	092S	
74A	12	18L	A	GND REJ	CCATS	040G	
74A	13	01U	A	ALL	CCATS	038A	
74A	13	01L	G	ZEROS	CCATS	002Z	
74A	13	02U	A	ERROR	CCATS	019E	
74A	13	02L	G	RESET	CCATS	020R	
74A	13	03U	A	CLEAR	CCATS	028C	
74A	13	03L	G		CCATS	028C	
74A	13	04U	A	+	CCATS	268N	95
74A	13	04L	G		CCATS	268N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	13	05U	A	-	CCATS	269N	95
74A	13	05L	G		CCATS	269N	
74A	13	06U	A	V	CCATS	033V	95
74A	13	06L	G		CCATS	033V	
74A	13	07U	A	0	CCATS	026N	95
74A	13	07L	G		CCATS	026N	
74A	13	08U	A	1	CCATS	027N	95
74A	13	08L	G		CCATS	027N	
74A	13	09U	A	2	CCATS	028N	95
74A	13	09L	G		CCATS	028N	
74A	13	10U	A	3	CCATS	029N	95
74A	13	10L	G		CCATS	029N	
74A	13	11U	A	4	CCATS	030N	95
74A	13	11L	G		CCATS	030N	
74A	13	12U	A	N	CCATS	270N	95
74A	13	12L	G		CCATS	270N	
74A	13	13U	A	5	CCATS	031N	95
74A	13	13L	G		CCATS	031N	
74A	13	14U	A	6	CCATS	032N	95
74A	13	14L	G		CCATS	032N	
74A	13	15U	A	7	CCATS	033N	95
74A	13	15L	G		CCATS	033N	
74A	13	16U	A	8	CCATS	034N	95
74A	13	16L	G		CCATS	034N	
74A	13	17U	A	9	CCATS	035N	95
74A	13	17L	G		CCATS	035N	
74A	13	18U	A	E	CCATS	041E	95
74A	13	18L	G		CCATS	041E	
74A	14	01U	W	R/T PCM * 1.024 ON	CCATS	224R	48
74A	14	01L	W	32-37	CCATS	422N	48
74A	14	02U	W	BIT RATE * HIGH	CCATS	156B	48
74A	14	02L	W	64-71	CCATS	423N	48
74A	14	03U	W	FM ON * (TAPE)	CCATS	125F	48
74A	14	03L	W	41-45	CCATS	424N	48
74A	14	04U	W	FM OFF * (TAPE OFF)	CCATS	126F	48
74A	14	04L	W	41-44	CCATS	425N	48
74A	14	05U	W	B/U VOICE * FM OFF	CCATS	157B	48
74A	14	05L	W	40-51	CCATS	426N	48
74A	14	06U	W	USB MODE * RESET	CCATS	067U	48
74A	14	06L	W	50-40	CCATS	427N	48
74A	14	07U	W	R/T PCM * OFF	CCATS	225R	48
74A	14	07L	W	37-33	CCATS	428N	48
74A	14	08U	W	BIT RATE * LOW	CCATS	158B	48
74A	14	08L	W	65	CCATS	247N	48
74A	14	09U	W	DSE TAPE * FORWARD	CCATS	072D	48
74A	14	09L	W	72-77	CCATS	429N	48
74A	14	10U	W	DSE TAPE * STOP	CCATS	073D	48
74A	14	10L	W	76-73	CCATS	430N	48
74A	14	11U	W	DSE TAPE * REWIND	CCATS	085D	48
74A	14	11L	W	73-77	CCATS	431N	48
74A	14	12U	W	TAPE CNTL * RESET	CCATS	080T	48
74A	14	12L	W	76-72	CCATS	432N	48

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
74A	14	13U	W	R/T PCM * RESET	CCATS	226R	48
74A	14	13L	W	32-36	CCATS	454N	48
74A	14	14U	W	BIT RATE * RESET	CCATS	159B	48
74A	14	14L	W	64-70	CCATS	433N	48
74A	14	15U	W	DSE ELECT * RECORD	CCATS	074D	48
74A	14	15L	W	62-67	CCATS	435N	48
74A	14	16U	W	DSE ELECT * OFF	CCATS	075D	48
74A	14	16L	W	63-66	CCATS	434N	48
74A	14	17U	W	DSE ELECT * PLAYBACK	CCATS	086D	48
74A	14	17L	W	63-67	CCATS	436N	48
74A	14	18U	W	DSE ELECT * RESET	CCATS	076D	48
74A	14	18L	W	62-66	CCATS	437N	48

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	03	01U		(BLANK)	CCATS	043U	
75A	03	01L		(BLANK)	CCATS	043U	
75A	03	02U		(BLANK)	CCATS	043U	
75A	03	02L		(BLANK)	CCATS	043U	
75A	03	03U		(BLANK)	CCATS	043U	
75A	03	03L		(BLANK)	CCATS	043U	
75A	03	04U		(BLANK)	CCATS	043U	
75A	03	04L		(BLANK)	CCATS	043U	
75A	03	05U		(BLANK)	CCATS	043U	
75A	03	05L		(BLANK)	CCATS	043U	
75A	03	06U		(BLANK)	CCATS	043U	
75A	03	06L		(BLANK)	CCATS	043U	
75A	03	07U		(BLANK)	CCATS	043U	
75A	03	07L		(BLANK)	CCATS	043U	
75A	03	08U		(BLANK)	CCATS	043U	
75A	03	08L		(BLANK)	CCATS	043U	
75A	03	09U		(BLANK)	CCATS	043U	
75A	03	09L		(BLANK)	CCATS	043U	
75A	03	10U		(BLANK)	CCATS	043U	
75A	03	10L		(BLANK)	CCATS	043U	
75A	03	11U		(BLANK)	CCATS	043U	
75A	03	11L		(BLANK)	CCATS	043U	
75A	03	12U		(BLANK)	CCATS	043U	
75A	03	12L		(BLANK)	CCATS	043U	
75A	03	13U		(BLANK)	CCATS	043U	
75A	03	13L		(BLANK)	CCATS	043U	
75A	03	14U		(BLANK)	CCATS	043U	
75A	03	14L		(BLANK)	CCATS	043U	
75A	03	15U		(BLANK)	CCATS	043U	
75A	03	15L		(BLANK)	CCATS	043U	
75A	03	16U		(BLANK)	CCATS	043U	
75A	03	16L		(BLANK)	CCATS	043U	
75A	03	17U		(BLANK)	CCATS	043U	
75A	03	17L		(BLANK)	CCATS	043U	
75A	03	18U		(BLANK)	CCATS	043U	
75A	03	18L		(BLANK)	CCATS	043U	
75A	04			BIOMED PROCESS CTRL MODULE		012B	65
75A	04					043B	23
75A	04	01				043B	3G
75A	04	01		SITE 1		021S	3D
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	
75A	04	01		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	04	02				043B	3G
75A	04	02		SITE 2		022S	3E
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	02		(BLANK)	CCATS	043U	
75A	04	03				043B	3G
75A	04	03		SITE 3		023S	3F
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	03		(BLANK)	CCATS	043U	
75A	04	04				043B	3H
75A	04	04		SITE 1		021S	3D
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	04		(BLANK)	CCATS	043U	
75A	04	05				043B	3H
75A	04	05		SITE 2		022S	3E
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	05		(BLANK)	CCATS	043U	
75A	04	06				043B	3H
75A	04	06		SITE 3		023S	3F
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	06		(BLANK)	CCATS	043U	
75A	04	07		CMP		372C	3I
75A	04	07		SITE 1		021S	3D
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	07		(BLANK)	CCATS	043U	
75A	04	08		CMP		372C	3I
75A	04	08		SITE 2		022S	3E
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	08		(BLANK)	CCATS	043U	
75A	04	09		CMP		372C	3I
75A	04	09		SITE 3		023S	3F
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	09		(BLANK)	CCATS	043U	
75A	04	10		CDR		371C	3J
75A	04	10		SITE 1		021S	3D
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	10		(BLANK)	CCATS	043U	
75A	04	11		CDR		371C	3J
75A	04	11		SITE 2		022S	3E
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	11		(BLANK)	CCATS	043U	
75A	04	12		CDR		371C	3J
75A	04	12		SITE 3		023S	3F
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	12		(BLANK)	CCATS	043U	
75A	04	13		LMP		260L	3K
75A	04	13		SITE 1		021S	3D
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	13		(BLANK)	CCATS	043U	
75A	04	14		LMP		260L	3K
75A	04	14		SITE 2		022S	3E
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	14		(BLANK)	CCATS	043U	
75A	04	15		LMP		260L	3K
75A	04	15		SITE 3		023S	3F
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	04	15		(BLANK)	CCATS	043U	
75A	08	01		(BLANK)	CCATS	043U	
75A	08	02	R	CSM TP * INSERT	CCATS	220C	
75A	08	03	R	CMC TP * INSERT	CCATS	287C	
75A	08	04	R	LM TP * INSERT	CCATS	179L	
75A	08	05	R	LGC TP * INSERT	CCATS	182L	
75A	08	06	R	AGS TP * INSERT	CCATS	226A	
75A	08	07		(BLANK)	CCATS	043U	
75A	08	08	W	CSM X * PCM GS	CCATS	389C	
75A	08	09	W	CMC X * PCM GS	CCATS	390C	
75A	08	10	W	LM X * PCM GS	CCATS	285L	
75A	08	11	W	LGC X * PCM GS	CCATS	286L	
75A	08	12	W	AGS X * PCM GS	CCATS	305A	
75A	08	13		(BLANK)	CCATS	043U	
75A	08	14		(BLANK)	CCATS	043U	
75A	08	15		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	08	16		(BLANK)	CCATS	043U	
75A	08	17		(BLANK)	CCATS	043U	
75A	08	18		(BLANK)	CCATS	043U	
75A	09	01		(BLANK)	CCATS	043U	
75A	09	02	W	POSITION 1	CCATS	083P	
75A	09	03	W	POSITION 2	CCATS	084P	
75A	09	04	W	POSITION 3	CCATS	085P	
75A	09	05	W	POSITION 4	CCATS	086P	
75A	09	06	W	POSITION 5	CCATS	087P	
75A	09	07		(BLANK)	CCATS	043U	
75A	09	08		(BLANK)	CCATS	043U	
75A	09	09		(BLANK)	CCATS	043U	
75A	09	10		(BLANK)	CCATS	043U	
75A	09	11		(BLANK)	CCATS	043U	
75A	09	12		(BLANK)	CCATS	043U	
75A	09	13	R	CLEAR	CCATS	028C	
75A	09	14	R	DISPLAY	CCATS	011D	
75A	09	15		(BLANK)	CCATS	043U	
75A	09	16		(BLANK)	CCATS	043U	
75A	09	17		(BLANK)	CCATS	043U	
75A	09	18		(BLANK)	CCATS	043U	
75A	10	01	G	MIL	CCATS	046M	
75A	10	02	G	GBM	CCATS	007G	
75A	10	03	G	ANG	CCATS	043A	
75A	10	04	G	BDA	CCATS	013B	
75A	10	05	G	ACN	CCATS	011A	
75A	10	06	G	CYI	CCATS	100C	
75A	10	07	G	MAD	CCATS	003M	
75A	10	08	G	CRO	CCATS	057C	
75A	10	09	G	HSK	CCATS	083H	
75A	10	10	G	GWM	CCATS	063G	
75A	10	11	G	HAW	CCATS	002H	
75A	10	12	G	GDS	CCATS	018G	
75A	10	13	G	GYM	CCATS	075G	
75A	10	14	G	TEX	CCATS	012T	
75A	10	15	G	VAN	CCATS	013V	
75A	10	16	G	RED	CCATS	007R	
75A	10	17	G	MER	CCATS	034M	
75A	10	18		(BLANK)	CCATS	043U	
75A	11	01	G	RSDP * FORMAT * EXECUTE	CCATS	236R	
75A	11	02	G	RSDP * FORMAT * CLEAR	CCATS	237R	
75A	11	03	R	CCATS * INVALID	CCATS	295C	
75A	11	04	R	RSCC * INVALID	CCATS	235R	
75A	11	05	G	SITE * VAL	CCATS	192S	
75A	11	06		(BLANK)	CCATS	043U	
75A	11	07	R	INITIATE	CCATS	009I	
75A	11	08	W	0	CCATS	026N	
75A	11	09	W	1	CCATS	027N	
75A	11	10	W	2	CCATS	028N	
75A	11	11	W	3	CCATS	029N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	11	12	W	4	CCATS	030N	
75A	11	13	W	PANEL * CLEAR	CCATS	088P	
75A	11	14	W	5	CCATS	031N	
75A	11	15	W	6	CCATS	032N	
75A	11	16	W	7	CCATS	033N	
75A	11	17	W	8	CCATS	034N	
75A	11	18	W	9	CCATS	035N	
75A	15	01	W	(NUMERICAL FORMAT WORD)			
75A	15	02	W	(NUMERICAL FORMAT WORD)			
75A	15	03	W	(NUMERICAL FORMAT WORD)			
75A	15	04	W	(NUMERICAL FORMAT WORD)			
75A	15	05	W	(PERCENT FULL SCALE)			
75A	15	06	W	(PERCENT FULL SCALE)			
75A	15	07	W	(PERCENT FULL SCALE)			
75A	15	08	W	(BINARY FORMAT WORD)			
75A	15	09	W	(BINARY FORMAT WORD)			
75A	15	10	W	(BINARY FORMAT WORD)			
75A	15	11	W	(BINARY FORMAT WORD)			
75A	15	12	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	13	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	14	W	3 (BINARY DISPLAY BIT)	CCATS	186N	
75A	15	15	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	16	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	17	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	18	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	19	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	20	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	21	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	22	W	(NUMERICAL FORMAT WORD)			
75A	15	23	W	(NUMERICAL FORMAT WORD)			
75A	15	24	W	(NUMERICAL FORMAT WORD)			
75A	15	25	W	(NUMERICAL FORMAT WORD)			
75A	15	26	W	(PERCENT FULL SCALE)			
75A	15	27	W	(PERCENT FULL SCALE)			
75A	15	28	W	(PERCENT FULL SCALE)			
75A	15	29	W	(BINARY FORMAT WORD)			
75A	15	30	W	(BINARY FORMAT WORD)			
75A	15	31	W	(BINARY FORMAT WORD)			
75A	15	32	W	(BINARY FORMAT WORD)			
75A	15	33	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	34	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	35	W	3 (BINARY DISPLAY BIT)	CCATS	186N	
75A	15	36	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	37	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	38	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	39	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	40	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	41	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	42	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	43	W	(NUMERICAL FORMAT WORD)			
75A	15	44	W	(NUMERICAL FORMAT WORD)			
75A	15	45	W	(NUMERICAL FORMAT WORD)			

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	15	46	W	(NUMERICAL FORMAT WORD)			
75A	15	47	W	(PERCENT FULL SCALE)			
75A	15	48	W	(PERCENT FULL SCALE)			
75A	15	49	W	(PERCENT FULL SCALE)			
75A	15	50	W	(BINARY FORMAT WORD)			
75A	15	51	W	(BINARY FORMAT WORD)			
75A	15	52	W	(BINARY FORMAT WORD)			
75A	15	53	W	(BINARY FORMAT WORD)			
75A	15	54	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	55	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	56	W	3 (BINARY DISPLAY BIT)	CCATS	186N	
75A	15	57	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	58	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	59	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	60	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	61	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	62	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	63	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	64	W	(NUMERICAL FORMAT WORD)			
75A	15	65	W	(NUMERICAL FORMAT WORD)			
75A	15	66	W	(NUMERICAL FORMAT WORD)			
75A	15	67	W	(NUMERICAL FORMAT WORD)			
75A	15	68	W	(PERCENT FULL SCALE)			
75A	15	69	W	(PERCENT FULL SCALE)			
75A	15	70	W	(PERCENT FULL SCALE)			
75A	15	71	W	(BINARY FORMAT WORD)			
75A	15	72	W	(BINARY FORMAT WORD)			
75A	15	73	W	(BINARY FORMAT WORD)			
75A	15	74	W	(BINARY FORMAT WORD)			
75A	15	75	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	76	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	77	W	3 (BINARY DISPLAY BIT)	CCATS	186N	
75A	15	78	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	79	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	80	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	81	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	82	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	83	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	84	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	85	W	(NUMERICAL FORMAT WORD)			
75A	15	86	W	(NUMERICAL FORMAT WORD)			
75A	15	87	W	(NUMERICAL FORMAT WORD)			
75A	15	88	W	(NUMERICAL FORMAT WORD)			
75A	15	89	W	(PERCENT FULL SCALE)			
75A	15	90	W	(PERCENT FULL SCALE)			
75A	15	91	W	(PERCENT FULL SCALE)			
75A	15	92	W	(BINARY FORMAT WORD)			
75A	15	93	W	(BINARY FORMAT WORD)			
75A	15	94	W	(BINARY FORMAT WORD)			
75A	15	95	W	(BINARY FORMAT WORD)			
75A	15	96	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	97	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	98	W	3 (BINARY DISPLAY BIT)	CCATS	186N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	15	99	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	TW1		(DISPLAY)	C/CIM	011D	
75A	15	TW2		(DISPLAY)	C/CIM	011D	
75A	15	TW3		(VEHICLE)	C/CIM	002V	
75A	15	TW4		(FORMAT/WORD)	C/CIM	001F	
75A	15	TW5		(FORMAT/WORD)	C/CIM	001F	
75A	15	TW6		(FORMAT/WORD)	C/CIM	001F	
75A	15	TW7		(FORMAT/WORD)	C/CIM	001F	
75A	15	100	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	101	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	102	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	103	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	104	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	105	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	106	W	(NUMERICAL FORMAT WORD)			
75A	15	107	W	(NUMERICAL FORMAT WORD)			
75A	15	108	W	(NUMERICAL FORMAT WORD)			
75A	15	109	W	(NUMERICAL FORMAT WORD)			
75A	15	110	W	(PERCENT FULL SCALE)			
75A	15	111	W	(PERCENT FULL SCALE)			
75A	15	112	W	(PERCENT FULL SCALE)			
75A	15	113	W	(BINARY FORMAT WORD)			
75A	15	114	W	(BINARY FORMAT WORD)			
75A	15	115	W	(BINARY FORMAT WORD)			
75A	15	116	W	(BINARY FORMAT WORD)			
75A	15	117	W	1 (BINARY DISPLAY BIT)	CCATS	184N	
75A	15	118	W	2 (BINARY DISPLAY BIT)	CCATS	185N	
75A	15	119	W	3 (BINARY DISPLAY BIT)	CCATS	186N	
75A	15	120	W	4 (BINARY DISPLAY BIT)	CCATS	187N	
75A	15	121	W	5 (BINARY DISPLAY BIT)	CCATS	188N	
75A	15	122	W	6 (BINARY DISPLAY BIT)	CCATS	189N	
75A	15	123	W	7 (BINARY DISPLAY BIT)	CCATS	190N	
75A	15	124	W	8 (BINARY DISPLAY BIT)	CCATS	191N	
75A	15	125	W	9 (BINARY DISPLAY BIT)	CCATS	192N	
75A	15	126	W	10 (BINARY DISPLAY BIT)	CCATS	193N	
75A	15	127	W	DISPLAY	C/CIM	011D	
75A	15	128	W	PRINT	CCATS	025P	
75A	15	129	W	CLEAR	C/CIM	028C	
75A	15	130	W	LAMP TEST	PBI	005L	
75A	17	01U	W	IU	CCATS	032I	
75A	17	01L	G	BUFFER * READY	CCATS	034B	
75A	17	02U	W	CSM	CCATS	073C	
75A	17	02L	G	BUFFER * READY	CCATS	034B	
75A	17	03U	W	CMC	CCATS	288C	
75A	17	03L	G	BUFFER * READY	CCATS	034B	
75A	17	04U	W	LM	CCATS	010L	
75A	17	04L	G	BUFFER * READY	CCATS	034B	
75A	17	05U	W	LGC	CCATS	026L	
75A	17	05L	G	BUFFER * READY	CCATS	034B	
75A	17	06U	W	AGS	CCATS	033A	
75A	17	06L	G	BUFFER * READY	CCATS	034B	
75A	17	07U	W	S-IB/S-IC	CCATS	007S	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	17	07L	G	BUFFER * READY	CCATS	034B	
75A	17	08U	W	S-II	CCATS	009S	
75A	17	08L	G	BUFFER * READY	CCATS	034B	
75A	17	09	R	STATIC * OVERRIDE	CCATS	298S	
75A	17	10	G	RTCC * BUFFER * CLEAR	CCATS	154B	25
75A	17	11	R	PCM * BUFFER * CLEAR	CCATS	110P	
75A	17	12	R	PCM * INHIBIT	CCATS	111P	
75A	17	13U	A	REMOTE * LFI	CCATS	056L	
75A	17	13L	W	LOCAL * LFI	CCATS	176R	
75A	17	14U	A	REMOTE * LFI	CCATS	056L	
75A	17	14L	W	LOCAL * LFI	CCATS	176R	
75A	17	15U	A	REMOTE * LFI	CCATS	056L	
75A	17	15L	W	LOCAL * LFI	CCATS	176R	
75A	17	16U	A	REMOTE * LFI	CCATS	056L	
75A	17	16L	W	LOCAL * LFI	CCATS	176R	
75A	17	17U	A	REMOTE * LFI	CCATS	056L	
75A	17	17L	W	LOCAL * LFI	CCATS	176R	
75A	17	18U	A	REMOTE * LFI	CCATS	056L	
75A	17	18L	W	LOCAL * LFI	CCATS	176R	
75A	17	19U	A	REMOTE * LFI	CCATS	056L	
75A	17	19L	W	LOCAL * LFI	CCATS	176R	
75A	17	20U	A	REMOTE * LFI	CCATS	056L	
75A	17	20L	W	LOCAL * LFI	CCATS	176R	
75A	17	21U		(BLANK)	CCATS	043U	
75A	17	21L		(BLANK)	CCATS	043U	
75A	17	22	R	CCATS * EVENT * BUFR * CLR	CCATS	368C	
75A	17	23	R	KSC CLEAR	CCATS	006K	
75A	17	24U	R	KSC	CCATS	005K	
75A	17	24L	R	INHIBIT	CCATS	005I	
75A	19	01	W	TEST * A	CCATS	008T	3L
75A	19	01	W	MISSION * A	CCATS	142M	3L
75A	19	01	G	S	CCATS	141S	3M
75A	19	01		(BLANK)	CCATS	043U	
75A	19	02	W	TEST * B	CCATS	009T	3L
75A	19	02	W	MISSION * B	CCATS	168M	3L
75A	19	02	G	S	CCATS	141S	3M
75A	19	02		(BLANK)	CCATS	043U	
75A	19	03	W	ALDS * S	CCATS	036A	
75A	19	03	W	MISSION	CCATS	142M	
75A	19	03	W	TEST	CCATS	049T	
75A	19	03		(BLANK)	CCATS	043U	
75A	19	04	W	FAN OUT		140F	
75A	19	04	R	(BACKGROUND)		036B	
75A	19	04		(BLANK)		043U	
75A	19	04		(BLANK)		043U	
75A	19	05	W	0	CCATS	026N	
75A	19	05	W	1	CCATS	027N	
75A	19	05	W	2	CCATS	028N	
75A	19	05	W	3	CCATS	029N	
75A	19	05	R	(BACKGROUND)	CCATS	036B	
75A	19	05	G	(BACKGROUND)	CCATS	036B	
75A	19	06	W	0	CCATS	026N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	19	06	W	1	CCATS	027N	
75A	19	06	W	2	CCATS	028N	
75A	19	06	W	3	CCATS	029N	
75A	19	06	R	(BACKGROUND)	CCATS	036B	
75A	19	06	G	(BACKGROUND)	CCATS	036B	
75A	19	07	W	DATA * LOSS * (A)	CCATS	017D	3N
75A	19	07	W	DATA * LOSS * (B)	CCATS	018D	3O
75A	19	07	W	DATA * LOSS * ALDS	CCATS	019D	3P
75A	19	07		(BLANK)	CCATS	043U	
75A	19	07		(BLANK)	CCATS	043U	
75A	19	07		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	08		(BLANK)	CCATS	043U	
75A	19	09	W	0	CCATS	026N	
75A	19	09	W	1	CCATS	027N	
75A	19	09	W	2	CCATS	028N	
75A	19	09	W	3	CCATS	029N	
75A	19	09	W	4	CCATS	030N	
75A	19	09	W	5	CCATS	031N	
75A	19	09	W	6	CCATS	032N	
75A	19	09	W	7	CCATS	033N	
75A	19	09	W	8	CCATS	034N	
75A	19	09	W	9	CCATS	035N	
75A	19	09	R	(BACKGROUND)	CCATS	036B	
75A	19	09	G	(BACKGROUND)	CCATS	036B	
75A	19	10	W	0	CCATS	026N	
75A	19	10	W	1	CCATS	027N	
75A	19	10	W	2	CCATS	028N	
75A	19	10	W	3	CCATS	029N	
75A	19	10	W	4	CCATS	030N	
75A	19	10	W	5	CCATS	031N	
75A	19	10	W	6	CCATS	032N	
75A	19	10	W	7	CCATS	033N	
75A	19	10	W	8	CCATS	034N	
75A	19	10	W	9	CCATS	035N	
75A	19	10	R	(BACKGROUND)	CCATS	036B	
75A	19	10	G	(BACKGROUND)	CCATS	036B	
75A	19	11	W	ALDS	CCATS	036A	
75A	19	11	W	MILA	CCATS	056M	
75A	19	11	W	GBM	CCATS	007G	
75A	19	11	W	ANG	CCATS	043A	
75A	19	11	W	BDA	CCATS	013B	
75A	19	11	W	ACN	CCATS	136A	
75A	19	11	W	CYI	CCATS	100C	
75A	19	11	W	MAD	CCATS	003M	
75A	19	11	W	CRO	CCATS	057C	
75A	19	11		(BLANK)	CCATS	043U	
75A	19	11		(BLANK)	CCATS	043U	
75A	19	11		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	19	12	W	HSK	CCATS	083H	
75A	19	12	W	GWM	CCATS	063G	
75A	19	12	W	HAW	CCATS	002H	
75A	19	12	W	GDS	CCATS	018G	
75A	19	12	W	GYM	CCATS	075G	
75A	19	12	W	TEX	CCATS	012T	
75A	19	12	W	VAN	CCATS	013V	
75A	19	12	W	RED	CCATS	007R	
75A	19	12	W	MER	CCATS	034M	
75A	19	12		(BLANK)	CCATS	043U	
75A	19	12		(BLANK)	CCATS	043U	
75A	19	12		(BLANK)	CCATS	043U	
75A	19	13	W	SI * LIVE	CCATS	226S	3R
75A	19	13	R	SI * STATIC	CCATS	227S	3R
75A	19	13	W	SI * FILL	CCATS	353S	3R
75A	19	13	W	A	CCATS	093A	3S
75A	19	13	W	B	CCATS	046B	3S
75A	19	13	G	(BACKGROUND)	CCATS	036B	3T
75A	19	14	W	CSM * LIVE	CCATS	299C	3R
75A	19	14	R	CSM * STATIC	CCATS	300C	3R
75A	19	14	W	CSM * FILL	CCATS	301C	3R
75A	19	14	W	A	CCATS	093A	3S
75A	19	14	W	B	CCATS	046B	3S
75A	19	14	G	(BACKGROUND)	CCATS	036B	3T
75A	19	15	W	LM * LIVE	CCATS	110L	3R
75A	19	15	R	LM * STATIC	CCATS	111L	3R
75A	19	15	W	LM * FILL	CCATS	225L	3R
75A	19	15	W	A	CCATS	093A	3S
75A	19	15	W	B	CCATS	046B	3S
75A	19	15	G	(BACKGROUND)	CCATS	036B	3T
75A	19	16	W	LGC-X * LIVE	CCATS	232L	3R
75A	19	16	R	LGC-X * STATIC	CCATS	233L	3R
75A	19	16	W	LGC-X * FILL	CCATS	234L	3R
75A	19	16	W	A	CCATS	093A	3S
75A	19	16	W	B	CCATS	046B	3S
75A	19	16	G	(BACKGROUND)	CCATS	036B	3T
75A	19	17	W	SII * LIVE	CCATS	354S	3R
75A	19	17	R	SII * STATIC	CCATS	355S	3R
75A	19	17	W	SII * FILL	CCATS	356S	3R
75A	19	17	W	A	CCATS	093A	3S
75A	19	17	W	B	CCATS	046B	3S
75A	19	17	G	(BACKGROUND)	CCATS	036B	3T
75A	19	18	W	CMC * LIVE	CCATS	302C	3R
75A	19	18	R	CMC * STATIC	CCATS	303C	3R
75A	19	18	W	CMC * FILL	CCATS	304C	3R
75A	19	18	W	A	CCATS	093A	3S
75A	19	18	W	B	CCATS	046B	3S
75A	19	18	G	(BACKGROUND)	CCATS	036B	3T
75A	19	19	W	LGC * LIVE	CCATS	226L	3R
75A	19	19	R	LGC * STATIC	CCATS	227L	3R
75A	19	19	W	LGC * FILL	CCATS	228L	3R
75A	19	19	W	A	CCATS	093A	3S
75A	19	19	W	B	CCATS	046B	3S

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	19	19	G	(BACKGROUND)	CCATS	036B	3T
75A	19	20	W	AGS-X * LIVE	CCATS	233A	3R
75A	19	20	R	AGS-X * STATIC	CCATS	234A	3R
75A	19	20	W	AGS-X * FILL	CCATS	235A	3R
75A	19	20	W	A	CCATS	093A	3S
75A	19	20	W	B	CCATS	046B	3S
75A	19	20	G	(BACKGROUND)	CCATS	036B	3T
75A	19	21	W	SIVB * LIVE	CCATS	228S	3R
75A	19	21	R	SIVB * STATIC	CCATS	229S	3R
75A	19	21	W	SIVB * FILL	CCATS	357S	3R
75A	19	21	W	A	CCATS	093A	3S
75A	19	21	W	B	CCATS	046B	3S
75A	19	21	G	(BACKGROUND)	CCATS	036B	3T
75A	19	22	W	CSM-X * LIVE	CCATS	305C	3R
75A	19	22	R	CSM-X * STATIC	CCATS	306C	3R
75A	19	22	W	CSM-X * FILL	CCATS	307C	3R
75A	19	22	W	A	CCATS	093A	3S
75A	19	22	W	B	CCATS	046B	3S
75A	19	22	G	(BACKGROUND)	CCATS	036B	3T
75A	19	23	W	AGS * LIVE	CCATS	230A	3R
75A	19	23	R	AGS * STATIC	CCATS	231A	3R
75A	19	23	W	AGS * FILL	CCATS	232A	3R
75A	19	23	W	A	CCATS	093A	3S
75A	19	23	W	B	CCATS	046B	3S
75A	19	23	G	(BACKGROUND)	CCATS	036B	3T
75A	19	24		(BLANK)	CCATS	043U	
75A	19	24		(BLANK)	CCATS	043U	
75A	19	24		(BLANK)	CCATS	043U	
75A	19	24		(BLANK)	CCATS	043U	
75A	19	24		(BLANK)	CCATS	043U	
75A	19	24		(BLANK)	CCATS	043U	
75A	19	25	W	IU * LIVE	CCATS	061I	3R
75A	19	25	R	IU * STATIC	CCATS	062I	3R
75A	19	25	W	IU * FILL	CCATS	102I	3R
75A	19	25	W	A	CCATS	093A	3S
75A	19	25	W	B	CCATS	046B	3S
75A	19	25	G	(BACKGROUND)	CCATS	036B	3T
75A	19	26	W	CMC-X * LIVE	CCATS	308C	3R
75A	19	26	R	CMC-X * STATIC	CCATS	309C	3R
75A	19	26	W	CMC-X * FILL	CCATS	310C	3R
75A	19	26	W	A	CCATS	093A	3S
75A	19	26	W	B	CCATS	046B	3S
75A	19	26	G	(BACKGROUND)	CCATS	036B	3T
75A	19	27	W	LM-X * LIVE	CCATS	229L	3R
75A	19	27	R	LM-X * STATIC	CCATS	230L	3R
75A	19	27	W	LM-X * FILL	CCATS	231L	3R
75A	19	27	W	A	CCATS	093A	3S
75A	19	27	W	B	CCATS	046B	3S
75A	19	27	G	(BACKGROUND)	CCATS	036B	3T
75A	19	28		(BLANK)	CCATS	043U	
75A	19	28		(BLANK)	CCATS	043U	
75A	19	28		(BLANK)	CCATS	043U	
75A	19	28		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	19	28		(BLANK)	CCATS	043U	
75A	19	28		(BLANK)	CCATS	043U	
75A	20	01	W	TEST * A	CCATS	008T	3L
75A	20	01	W	MISSION * A	CCATS	142M	3L
75A	20	01	G	S	CCATS	141S	3M
75A	20	01		(BLANK)	CCATS	043U	
75A	20	02	W	TEST * B	CCATS	009T	3L
75A	20	02	W	MISSION * B	CCATS	168M	3L
75A	20	02	G	S	CCATS	141S	3M
75A	20	02		(BLANK)	CCATS	043U	
75A	20	03	W	ALDS * S	CCATS	036A	
75A	20	03	W	MISSION	CCATS	142M	
75A	20	03	W	TEST	CCATS	049T	
75A	20	03		(BLANK)	CCATS	043U	
75A	20	04	W	FAN OUT		140F	
75A	20	04	R	(BACKGROUND)		036B	
75A	20	04		(BLANK)		043U	
75A	20	04		(BLANK)		043U	
75A	20	05	W	0	CCATS	026N	
75A	20	05	W	1	CCATS	027N	
75A	20	05	W	2	CCATS	028N	
75A	20	05	W	3	CCATS	029N	
75A	20	05	R	(BACKGROUND)	CCATS	036B	
75A	20	05	G	(BACKGROUND)	CCATS	036B	
75A	20	06	W	0	CCATS	026N	
75A	20	06	W	1	CCATS	027N	
75A	20	06	W	2	CCATS	028N	
75A	20	06	W	3	CCATS	029N	
75A	20	06	R	(BACKGROUND)	CCATS	036B	
75A	20	06	G	(BACKGROUND)	CCATS	036B	
75A	20	07	W	DATA * LOSS * (A)	CCATS	017D	3N
75A	20	07	W	DATA * LOSS * (B)	CCATS	018D	3O
75A	20	07	W	DATA * LOSS * ALDS	CCATS	019D	3P
75A	20	07		(BLANK)	CCATS	043U	
75A	20	07		(BLANK)	CCATS	043U	
75A	20	07		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	08		(BLANK)	CCATS	043U	
75A	20	09	W	0	CCATS	026N	
75A	20	09	W	1	CCATS	027N	
75A	20	09	W	2	CCATS	028N	
75A	20	09	W	3	CCATS	029N	
75A	20	09	W	4	CCATS	030N	
75A	20	09	W	5	CCATS	031N	
75A	20	09	W	6	CCATS	032N	
75A	20	09	W	7	CCATS	033N	
75A	20	09	W	8	CCATS	034N	
75A	20	09	W	9	CCATS	035N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	20	09	R	(BACKGROUND)	CCATS	036B	
75A	20	09	G	(BACKGROUND)	CCATS	036B	
75A	20	10	W	0	CCATS	026N	
75A	20	10	W	1	CCATS	027N	
75A	20	10	W	2	CCATS	028N	
75A	20	10	W	3	CCATS	029N	
75A	20	10	W	4	CCATS	030N	
75A	20	10	W	5	CCATS	031N	
75A	20	10	W	6	CCATS	032N	
75A	20	10	W	7	CCATS	033N	
75A	20	10	W	8	CCATS	034N	
75A	20	10	W	9	CCATS	035N	
75A	20	10	R	(BACKGROUND)	CCATS	036B	
75A	20	10	G	(BACKGROUND)	CCATS	036B	
75A	20	11	W	ALDS	CCATS	036A	
75A	20	11	W	MILA	CCATS	056M	
75A	20	11	W	GBM	CCATS	007G	
75A	20	11	W	ANG	CCATS	043A	
75A	20	11	W	BDA	CCATS	013B	
75A	20	11	W	ACN	CCATS	136A	
75A	20	11	W	CYI	CCATS	100C	
75A	20	11	W	MAD	CCATS	003M	
75A	20	11	W	CRO	CCATS	057C	
75A	20	11		(BLANK)	CCATS	043U	
75A	20	11		(BLANK)	CCATS	043U	
75A	20	11		(BLANK)	CCATS	043U	
75A	20	12	W	HSK	CCATS	083H	
75A	20	12	W	GWM	CCATS	063G	
75A	20	12	W	HAW	CCATS	002H	
75A	20	12	W	GDS	CCATS	018G	
75A	20	12	W	GYM	CCATS	075G	
75A	20	12	W	TEX	CCATS	012T	
75A	20	12	W	VAN	CCATS	013V	
75A	20	12	W	RED	CCATS	007R	
75A	20	12	W	MER	CCATS	034M	
75A	20	12		(BLANK)	CCATS	043U	
75A	20	12		(BLANK)	CCATS	043U	
75A	20	12		(BLANK)	CCATS	043U	
75A	20	13	W	SI * LIVE	CCATS	226S	3R
75A	20	13	R	SI * STATIC	CCATS	227S	3R
75A	20	13	W	SI * FILL	CCATS	353S	3R
75A	20	13	W	A	CCATS	093A	3S
75A	20	13	W	B	CCATS	046B	3S
75A	20	13	G	(BACKGROUND)	CCATS	036B	3T
75A	20	14	W	CSM * LIVE	CCATS	299C	3R
75A	20	14	R	CSM * STATIC	CCATS	300C	3R
75A	20	14	W	CSM * FILL	CCATS	301C	3R
75A	20	14	W	A	CCATS	093A	3S
75A	20	14	W	B	CCATS	046B	3S
75A	20	14	G	(BACKGROUND)	CCATS	036B	3T
75A	20	15	W	LM * LIVE	CCATS	110L	3R
75A	20	15	R	LM * STATIC	CCATS	111L	3R
75A	20	15	W	LM * FILL	CCATS	225L	3R

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	20	15	W	A	CCATS	093A	3S
75A	20	15	W	B	CCATS	046B	3S
75A	20	15	G	(BACKGROUND)	CCATS	036B	3T
75A	20	16	W	LGC-X * LIVE	CCATS	232L	3R
75A	20	16	R	LGC-X * STATIC	CCATS	233L	3R
75A	20	16	W	LGC-X * FILL	CCATS	234L	3R
75A	20	16	W	A	CCATS	093A	3S
75A	20	16	W	B	CCATS	046B	3S
75A	20	16	G	(BACKGROUND)	CCATS	036B	3T
75A	20	17	W	SII * LIVE	CCATS	354S	3R
75A	20	17	R	SII * STATIC	CCATS	355S	3R
75A	20	17	W	SII * FILL	CCATS	356S	3R
75A	20	17	W	A	CCATS	093A	3S
75A	20	17	W	B	CCATS	046B	3S
75A	20	17	G	(BACKGROUND)	CCATS	036B	3T
75A	20	18	W	CMC * LIVE	CCATS	302C	3R
75A	20	18	R	CMC * STATIC	CCATS	303C	3R
75A	20	18	W	CMC * FILL	CCATS	304C	3R
75A	20	18	W	A	CCATS	093A	3S
75A	20	18	W	B	CCATS	046B	3S
75A	20	18	G	(BACKGROUND)	CCATS	036B	3T
75A	20	19	W	LGC * LIVE	CCATS	226L	3R
75A	20	19	R	LGC * STATIC	CCATS	227L	3R
75A	20	19	W	LGC * FILL	CCATS	228L	3R
75A	20	19	W	A	CCATS	093A	3S
75A	20	19	W	B	CCATS	046B	3S
75A	20	19	G	(BACKGROUND)	CCATS	036B	3T
75A	20	20	W	AGS-X * LIVE	CCATS	233A	3R
75A	20	20	R	AGS-X * STATIC	CCATS	234A	3R
75A	20	20	W	AGS-X * FILL	CCATS	235A	3R
75A	20	20	W	A	CCATS	093A	3S
75A	20	20	W	B	CCATS	046B	3S
75A	20	20	G	(BACKGROUND)	CCATS	036B	3T
75A	20	21	W	SIVB * LIVE	CCATS	228S	3R
75A	20	21	R	SIVB * STATIC	CCATS	229S	3R
75A	20	21	W	SIVB * FILL	CCATS	357S	3R
75A	20	21	W	A	CCATS	093A	3S
75A	20	21	W	B	CCATS	046B	3S
75A	20	21	G	(BACKGROUND)	CCATS	036B	3T
75A	20	22	W	CSM-X * LIVE	CCATS	305C	3R
75A	20	22	R	CSM-X * STATIC	CCATS	306C	3R
75A	20	22	W	CSM-X * FILL	CCATS	307C	3R
75A	20	22	W	A	CCATS	093A	3S
75A	20	22	W	B	CCATS	046B	3S
75A	20	22	G	(BACKGROUND)	CCATS	036B	3T
75A	20	23	W	AGS * LIVE	CCATS	230A	3R
75A	20	23	R	AGS * STATIC	CCATS	231A	3R
75A	20	23	W	AGS * FILL	CCATS	232A	3R
75A	20	23	W	A	CCATS	093A	3S
75A	20	23	W	B	CCATS	046B	3S
75A	20	23	G	(BACKGROUND)	CCATS	036B	3T
75A	20	24		(BLANK)	CCATS	043U	
75A	20	24		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	20	24		(BLANK)	CCATS	043U	
75A	20	24		(BLANK)	CCATS	043U	
75A	20	24		(BLANK)	CCATS	043U	
75A	20	24		(BLANK)	CCATS	043U	
75A	20	25	W	IU * LIVE	CCATS	061I	3R
75A	20	25	R	IU * STATIC	CCATS	062I	3R
75A	20	25	W	IU * FILL	CCATS	102I	3R
75A	20	25	W	A	CCATS	093A	3S
75A	20	25	W	B	CCATS	046B	3S
75A	20	25	G	(BACKGROUND)	CCATS	036B	3T
75A	20	26	W	CMC-X * LIVE	CCATS	308C	3R
75A	20	26	R	CMC-X * STATIC	CCATS	309C	3R
75A	20	26	W	CMC-X * FILL	CCATS	310C	3R
75A	20	26	W	A	CCATS	093A	3S
75A	20	26	W	B	CCATS	046B	3S
75A	20	26	G	(BACKGROUND)	CCATS	036B	3T
75A	20	27	W	LM-X * LIVE	CCATS	229L	3R
75A	20	27	R	LM-X * STATIC	CCATS	230L	3R
75A	20	27	W	LM-X * FILL	CCATS	231L	3R
75A	20	27	W	A	CCATS	093A	3S
75A	20	27	W	B	CCATS	046B	3S
75A	20	27	G	(BACKGROUND)	CCATS	036B	3T
75A	20	28		(BLANK)	CCATS	043U	
75A	20	28		(BLANK)	CCATS	043U	
75A	20	28		(BLANK)	CCATS	043U	
75A	20	28		(BLANK)	CCATS	043U	
75A	20	28		(BLANK)	CCATS	043U	
75A	20	28		(BLANK)	CCATS	043U	
75A	21	01	W	TEST * A	CCATS	008T	3L
75A	21	01	W	MISSION * A	CCATS	142M	3L
75A	21	01	G	S	CCATS	141S	3M
75A	21	01		(BLANK)	CCATS	043U	
75A	21	02	W	TEST * B	CCATS	009T	3L
75A	21	02	W	MISSION * B	CCATS	168M	3L
75A	21	02	G	S	CCATS	141S	3M
75A	21	02		(BLANK)	CCATS	043U	
75A	21	03	W	ALDS * S	CCATS	036A	
75A	21	03	W	MISSION	CCATS	142M	
75A	21	03	W	TEST	CCATS	049T	
75A	21	03		(BLANK)	CCATS	043U	
75A	21	04	W	FAN OUT		140F	
75A	21	04	R	(BACKGROUND)		036B	
75A	21	04		(BLANK)		043U	
75A	21	04		(BLANK)		043U	
75A	21	05	W	0	CCATS	026N	
75A	21	05	W	1	CCATS	027N	
75A	21	05	W	2	CCATS	028N	
75A	21	05	W	3	CCATS	029N	
75A	21	05	R	(BACKGROUND)	CCATS	036B	
75A	21	05	G	(BACKGROUND)	CCATS	036B	
75A	21	06	W	0	CCATS	026N	
75A	21	06	W	1	CCATS	027N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	21	06	W	2	CCATS	028N	
75A	21	06	W	3	CCATS	029N	
75A	21	06	R	(BACKGROUND)	CCATS	036B	
75A	21	06	G	(BACKGROUND)	CCATS	036B	
75A	21	07	W	DATA * LOSS * (A)	CCATS	017D	3N
75A	21	07	W	DATA * LOSS * (B)	CCATS	018D	3O
75A	21	07	W	DATA * LOSS * ALDS	CCATS	019D	3P
75A	21	07		(BLANK)	CCATS	043U	
75A	21	07		(BLANK)	CCATS	043U	
75A	21	07		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	08		(BLANK)	CCATS	043U	
75A	21	09	W	0	CCATS	026N	
75A	21	09	W	1	CCATS	027N	
75A	21	09	W	2	CCATS	028N	
75A	21	09	W	3	CCATS	029N	
75A	21	09	W	4	CCATS	030N	
75A	21	09	W	5	CCATS	031N	
75A	21	09	W	6	CCATS	032N	
75A	21	09	W	7	CCATS	033N	
75A	21	09	W	8	CCATS	034N	
75A	21	09	W	9	CCATS	035N	
75A	21	09	R	(BACKGROUND)	CCATS	036B	
75A	21	09	G	(BACKGROUND)	CCATS	036B	
75A	21	10	W	0	CCATS	026N	
75A	21	10	W	1	CCATS	027N	
75A	21	10	W	2	CCATS	028N	
75A	21	10	W	3	CCATS	029N	
75A	21	10	W	4	CCATS	030N	
75A	21	10	W	5	CCATS	031N	
75A	21	10	W	6	CCATS	032N	
75A	21	10	W	7	CCATS	033N	
75A	21	10	W	8	CCATS	034N	
75A	21	10	W	9	CCATS	035N	
75A	21	10	R	(BACKGROUND)	CCATS	036B	
75A	21	10	G	(BACKGROUND)	CCATS	036B	
75A	21	11	W	ALDS	CCATS	036A	
75A	21	11	W	MILA	CCATS	056M	
75A	21	11	W	GBM	CCATS	007G	
75A	21	11	W	ANG	CCATS	043A	
75A	21	11	W	BDA	CCATS	013B	
75A	21	11	W	ACN	CCATS	136A	
75A	21	11	W	CYI	CCATS	100C	
75A	21	11	W	MAD	CCATS	003M	
75A	21	11	W	CRO	CCATS	057C	
75A	21	11		(BLANK)	CCATS	043U	
75A	21	11		(BLANK)	CCATS	043U	
75A	21	11		(BLANK)	CCATS	043U	
75A	21	12	W	HSK	CCATS	083H	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	21	12	W	GWM	CCATS	063G	
75A	21	12	W	HAW	CCATS	002H	
75A	21	12	W	GDS	CCATS	018G	
75A	21	12	W	GYM	CCATS	075G	
75A	21	12	W	TEX	CCATS	012T	
75A	21	12	W	VAN	CCATS	013V	
75A	21	12	W	RED	CCATS	007R	
75A	21	12	W	MER	CCATS	034M	
75A	21	12		(BLANK)	CCATS	043U	
75A	21	12		(BLANK)	CCATS	043U	
75A	21	12		(BLANK)	CCATS	043U	
75A	21	13	W	SI * LIVE	CCATS	226S	3R
75A	21	13	R	SI * STATIC	CCATS	227S	3R
75A	21	13	W	SI * FILL	CCATS	353S	3R
75A	21	13	W	A	CCATS	093A	3S
75A	21	13	W	B	CCATS	046B	3S
75A	21	13	G	(BACKGROUND)	CCATS	036B	3T
75A	21	14	W	CSM * LIVE	CCATS	299C	3R
75A	21	14	R	CSM * STATIC	CCATS	300C	3R
75A	21	14	W	CSM * FILL	CCATS	301C	3R
75A	21	14	W	A	CCATS	093A	3S
75A	21	14	W	B	CCATS	046B	3S
75A	21	14	G	(BACKGROUND)	CCATS	036B	3T
75A	21	15	W	LM * LIVE	CCATS	110L	3R
75A	21	15	R	LM * STATIC	CCATS	111L	3R
75A	21	15	W	LM * FILL	CCATS	225L	3R
75A	21	15	W	A	CCATS	093A	3S
75A	21	15	W	B	CCATS	046B	3S
75A	21	15	G	(BACKGROUND)	CCATS	036B	3T
75A	21	16	W	LGC-X * LIVE	CCATS	232L	3R
75A	21	16	R	LGC-X * STATIC	CCATS	233L	3R
75A	21	16	W	LGC-X * FILL	CCATS	234L	3R
75A	21	16	W	A	CCATS	093A	3S
75A	21	16	W	B	CCATS	046B	3S
75A	21	16	G	(BACKGROUND)	CCATS	036B	3T
75A	21	17	W	SII * LIVE	CCATS	354S	3R
75A	21	17	R	SII * STATIC	CCATS	355S	3R
75A	21	17	W	SII * FILL	CCATS	356S	3R
75A	21	17	W	A	CCATS	093A	3S
75A	21	17	W	B	CCATS	046B	3S
75A	21	17	G	(BACKGROUND)	CCATS	036B	3T
75A	21	18	W	CMC * LIVE	CCATS	302C	3R
75A	21	18	R	CMC * STATIC	CCATS	303C	3R
75A	21	18	W	CMC * FILL	CCATS	304C	3R
75A	21	18	W	A	CCATS	093A	3S
75A	21	18	W	B	CCATS	046B	3S
75A	21	18	G	(BACKGROUND)	CCATS	036B	3T
75A	21	19	W	LGC * LIVE	CCATS	226L	3R
75A	21	19	R	LGC * STATIC	CCATS	227L	3R
75A	21	19	W	LGC * FILL	CCATS	228L	3R
75A	21	19	W	A	CCATS	093A	3S
75A	21	19	W	B	CCATS	046B	3S
75A	21	19	G	(BACKGROUND)	CCATS	036B	3T

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	21	20	W	AGS-X * LIVE	CCATS	233A	3R
75A	21	20	R	AGS-X * STATIC	CCATS	234A	3R
75A	21	20	W	AGS-X * FILL	CCATS	235A	3R
75A	21	20	W	A	CCATS	093A	3S
75A	21	20	W	B	CCATS	046B	3S
75A	21	20	G	(BACKGROUND)	CCATS	036B	3T
75A	21	21	W	SIVB * LIVE	CCATS	228S	3R
75A	21	21	R	SIVB * STATIC	CCATS	229S	3R
75A	21	21	W	SIVB * FILL	CCATS	357S	3R
75A	21	21	W	A	CCATS	093A	3S
75A	21	21	W	B	CCATS	046B	3S
75A	21	21	G	(BACKGROUND)	CCATS	036B	3T
75A	21	22	W	CSM-X * LIVE	CCATS	305C	3R
75A	21	22	R	CSM-X * STATIC	CCATS	306C	3R
75A	21	22	W	CSM-X * FILL	CCATS	307C	3R
75A	21	22	W	A	CCATS	093A	3S
75A	21	22	W	B	CCATS	046B	3S
75A	21	22	G	(BACKGROUND)	CCATS	036B	3T
75A	21	23	W	AGS * LIVE	CCATS	230A	3R
75A	21	23	R	AGS * STATIC	CCATS	231A	3R
75A	21	23	W	AGS * FILL	CCATS	232A	3R
75A	21	23	W	A	CCATS	093A	3S
75A	21	23	W	B	CCATS	046B	3S
75A	21	23	G	(BACKGROUND)	CCATS	036B	3T
75A	21	24		(BLANK)	CCATS	043U	
75A	21	24		(BLANK)	CCATS	043U	
75A	21	24		(BLANK)	CCATS	043U	
75A	21	24		(BLANK)	CCATS	043U	
75A	21	24		(BLANK)	CCATS	043U	
75A	21	24		(BLANK)	CCATS	043U	
75A	21	25	W	IU * LIVE	CCATS	061I	3R
75A	21	25	R	IU * STATIC	CCATS	062I	3R
75A	21	25	W	IU * FILL	CCATS	102I	3R
75A	21	25	W	A	CCATS	093A	3S
75A	21	25	W	B	CCATS	046B	3S
75A	21	25	G	(BACKGROUND)	CCATS	036B	3T
75A	21	26	W	CMC-X * LIVE	CCATS	308C	3R
75A	21	26	R	CMC-X * STATIC	CCATS	309C	3R
75A	21	26	W	CMC-X * FILL	CCATS	310C	3R
75A	21	26	W	A	CCATS	093A	3S
75A	21	26	W	B	CCATS	046B	3S
75A	21	26	G	(BACKGROUND)	CCATS	036B	3T
75A	21	27	W	LM-X * LIVE	CCATS	229L	3R
75A	21	27	R	LM-X * STATIC	CCATS	230L	3R
75A	21	27	W	LM-X * FILL	CCATS	231L	3R
75A	21	27	W	A	CCATS	093A	3S
75A	21	27	W	B	CCATS	046B	3S
75A	21	27	G	(BACKGROUND)	CCATS	036B	3T
75A	21	28		(BLANK)	CCATS	043U	
75A	21	28		(BLANK)	CCATS	043U	
75A	21	28		(BLANK)	CCATS	043U	
75A	21	28		(BLANK)	CCATS	043U	
75A	21	28		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	21	28		(BLANK)	CCATS	043U	
75A	22	01	W	TEST * A	CCATS	008T	3L
75A	22	01	W	MISSION * A	CCATS	142M	3L
75A	22	01	G	S	CCATS	141S	3M
75A	22	01		(BLANK)	CCATS	043U	
75A	22	02	W	TEST * B	CCATS	009T	3L
75A	22	02	W	MISSION * B	CCATS	168M	3L
75A	22	02	G	S	CCATS	141S	3M
75A	22	02		(BLANK)	CCATS	043U	
75A	22	03	W	ALDS * S	CCATS	036A	
75A	22	03	W	MISSION	CCATS	142M	
75A	22	03	W	TEST	CCATS	049T	
75A	22	03		(BLANK)	CCATS	043U	
75A	22	04	W	FAN OUT		140F	
75A	22	04	R	(BACKGROUND)		036B	
75A	22	04		(BLANK)		043U	
75A	22	04		(BLANK)		043U	
75A	22	05	W	0	CCATS	026N	
75A	22	05	W	1	CCATS	027N	
75A	22	05	W	2	CCATS	028N	
75A	22	05	W	3	CCATS	029N	
75A	22	05	R	(BACKGROUND)	CCATS	036B	
75A	22	05	G	(BACKGROUND)	CCATS	036B	
75A	22	06	W	0	CCATS	026N	
75A	22	06	W	1	CCATS	027N	
75A	22	06	W	2	CCATS	028N	
75A	22	06	W	3	CCATS	029N	
75A	22	06	R	(BACKGROUND)	CCATS	036B	
75A	22	06	G	(BACKGROUND)	CCATS	036B	
75A	22	07	W	DATA * LOSS * (A)	CCATS	017D	3N
75A	22	07	W	DATA * LOSS * (B)	CCATS	018D	3O
75A	22	07	W	DATA * LOSS * ALDS	CCATS	019D	3P
75A	22	07		(BLANK)	CCATS	043U	
75A	22	07		(BLANK)	CCATS	043U	
75A	22	07		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	08		(BLANK)	CCATS	043U	
75A	22	09	W	0	CCATS	026N	
75A	22	09	W	1	CCATS	027N	
75A	22	09	W	2	CCATS	028N	
75A	22	09	W	3	CCATS	029N	
75A	22	09	W	4	CCATS	030N	
75A	22	09	W	5	CCATS	031N	
75A	22	09	W	6	CCATS	032N	
75A	22	09	W	7	CCATS	033N	
75A	22	09	W	8	CCATS	034N	
75A	22	09	W	9	CCATS	035N	
75A	22	09	R	(BACKGROUND)	CCATS	036B	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	22	09	G	(BACKGROUND)	CCATS	036B	
75A	22	10	W	0	CCATS	026N	
75A	22	10	W	1	CCATS	027N	
75A	22	10	W	2	CCATS	028N	
75A	22	10	W	3	CCATS	029N	
75A	22	10	W	4	CCATS	030N	
75A	22	10	W	5	CCATS	031N	
75A	22	10	W	6	CCATS	032N	
75A	22	10	W	7	CCATS	033N	
75A	22	10	W	8	CCATS	034N	
75A	22	10	W	9	CCATS	035N	
75A	22	10	R	(BACKGROUND)	CCATS	036B	
75A	22	10	G	(BACKGROUND)	CCATS	036B	
75A	22	11	W	ALDS	CCATS	036A	
75A	22	11	W	MILA	CCATS	056M	
75A	22	11	W	GBM	CCATS	007G	
75A	22	11	W	ANG	CCATS	043A	
75A	22	11	W	BDA	CCATS	013B	
75A	22	11	W	ACN	CCATS	136A	
75A	22	11	W	CYI	CCATS	100C	
75A	22	11	W	MAD	CCATS	003M	
75A	22	11	W	CRO	CCATS	057C	
75A	22	11		(BLANK)	CCATS	043U	
75A	22	11		(BLANK)	CCATS	043U	
75A	22	11		(BLANK)	CCATS	043U	
75A	22	12	W	HSK	CCATS	083H	
75A	22	12	W	GWM	CCATS	063G	
75A	22	12	W	HAW	CCATS	002H	
75A	22	12	W	GDS	CCATS	018G	
75A	22	12	W	GYM	CCATS	075G	
75A	22	12	W	TEX	CCATS	012T	
75A	22	12	W	VAN	CCATS	013V	
75A	22	12	W	RED	CCATS	007R	
75A	22	12	W	MER	CCATS	034M	
75A	22	12		(BLANK)	CCATS	043U	
75A	22	12		(BLANK)	CCATS	043U	
75A	22	12		(BLANK)	CCATS	043U	
75A	22	13	W	SI * LIVE	CCATS	226S	3R
75A	22	13	R	SI * STATIC	CCATS	227S	3R
75A	22	13	W	SI * FILL	CCATS	353S	3R
75A	22	13	W	A	CCATS	093A	3S
75A	22	13	W	B	CCATS	046B	3S
75A	22	13	G	(BACKGROUND)	CCATS	036B	3T
75A	22	14	W	CSM * LIVE	CCATS	299C	3R
75A	22	14	R	CSM * STATIC	CCATS	300C	3R
75A	22	14	W	CSM * FILL	CCATS	301C	3R
75A	22	14	W	A	CCATS	093A	3S
75A	22	14	W	B	CCATS	046B	3S
75A	22	14	G	(BACKGROUND)	CCATS	036B	3T
75A	22	15	W	LM * LIVE	CCATS	110L	3R
75A	22	15	R	LM * STATIC	CCATS	111L	3R
75A	22	15	W	LM * FILL	CCATS	225L	3R
75A	22	15	W	A	CCATS	093A	3S

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	22	15	W	B	CCATS	046B	3S
75A	22	15	G	(BACKGROUND)	CCATS	036B	3T
75A	22	16	W	LGC-X * LIVE	CCATS	232L	3R
75A	22	16	R	LGC-X * STATIC	CCATS	233L	3R
75A	22	16	W	LGC-X * FILL	CCATS	234L	3R
75A	22	16	W	A	CCATS	093A	3S
75A	22	16	W	B	CCATS	046B	3S
75A	22	16	G	(BACKGROUND)	CCATS	036B	3T
75A	22	17	W	SII * LIVE	CCATS	354S	3R
75A	22	17	R	SII * STATIC	CCATS	355S	3R
75A	22	17	W	SII * FILL	CCATS	356S	3R
75A	22	17	W	A	CCATS	093A	3S
75A	22	17	W	B	CCATS	046B	3S
75A	22	17	G	(BACKGROUND)	CCATS	036B	3T
75A	22	18	W	CMC * LIVE	CCATS	302C	3R
75A	22	18	R	CMC * STATIC	CCATS	303C	3R
75A	22	18	W	CMC * FILL	CCATS	304C	3R
75A	22	18	W	A	CCATS	093A	3S
75A	22	18	W	B	CCATS	046B	3S
75A	22	18	G	(BACKGROUND)	CCATS	036B	3T
75A	22	19	W	LGC * LIVE	CCATS	226L	3R
75A	22	19	R	LGC * STATIC	CCATS	227L	3R
75A	22	19	W	LGC * FILL	CCATS	228L	3R
75A	22	19	W	A	CCATS	093A	3S
75A	22	19	W	B	CCATS	046B	3S
75A	22	19	G	(BACKGROUND)	CCATS	036B	3T
75A	22	20	W	AGS-X * LIVE	CCATS	233A	3R
75A	22	20	R	AGS-X * STATIC	CCATS	234A	3R
75A	22	20	W	AGS-X * FILL	CCATS	235A	3R
75A	22	20	W	A	CCATS	093A	3S
75A	22	20	W	B	CCATS	046B	3S
75A	22	20	G	(BACKGROUND)	CCATS	036B	3T
75A	22	21	W	SIVB * LIVE	CCATS	228S	3R
75A	22	21	R	SIVB * STATIC	CCATS	229S	3R
75A	22	21	W	SIVB * FILL	CCATS	357S	3R
75A	22	21	W	A	CCATS	093A	3S
75A	22	21	W	B	CCATS	046B	3S
75A	22	21	G	(BACKGROUND)	CCATS	036B	3T
75A	22	22	W	CSM-X * LIVE	CCATS	305C	3R
75A	22	22	R	CSM-X * STATIC	CCATS	306C	3R
75A	22	22	W	CSM-X * FILL	CCATS	307C	3R
75A	22	22	W	A	CCATS	093A	3S
75A	22	22	W	B	CCATS	046B	3S
75A	22	22	G	(BACKGROUND)	CCATS	036B	3T
75A	22	23	W	AGS * LIVE	CCATS	230A	3R
75A	22	23	R	AGS * STATIC	CCATS	231A	3R
75A	22	23	W	AGS * FILL	CCATS	232A	3R
75A	22	23	W	A	CCATS	093A	3S
75A	22	23	W	B	CCATS	046B	3S
75A	22	23	G	(BACKGROUND)	CCATS	036B	3T
75A	22	24		(BLANK)	CCATS	043U	
75A	22	24		(BLANK)	CCATS	043U	
75A	22	24		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	22	24		(BLANK)	CCATS	043U	
75A	22	24		(BLANK)	CCATS	043U	
75A	22	24		(BLANK)	CCATS	043U	
75A	22	25	W	IU * LIVE	CCATS	061I	3R
75A	22	25	R	IU * STATIC	CCATS	062I	3R
75A	22	25	W	IU * FILL	CCATS	102I	3R
75A	22	25	W	A	CCATS	093A	3S
75A	22	25	W	B	CCATS	046B	3S
75A	22	25	G	(BACKGROUND)	CCATS	036B	3T
75A	22	26	W	CMC-X * LIVE	CCATS	308C	3R
75A	22	26	R	CMC-X * STATIC	CCATS	309C	3R
75A	22	26	W	CMC-X * FILL	CCATS	310C	3R
75A	22	26	W	A	CCATS	093A	3S
75A	22	26	W	B	CCATS	046B	3S
75A	22	26	G	(BACKGROUND)	CCATS	036B	3T
75A	22	27	W	LM-X * LIVE	CCATS	229L	3R
75A	22	27	R	LM-X * STATIC	CCATS	230L	3R
75A	22	27	W	LM-X * FILL	CCATS	231L	3R
75A	22	27	W	A	CCATS	093A	3S
75A	22	27	W	B	CCATS	046B	3S
75A	22	27	G	(BACKGROUND)	CCATS	036B	3T
75A	22	28		(BLANK)	CCATS	043U	
75A	22	28		(BLANK)	CCATS	043U	
75A	22	28		(BLANK)	CCATS	043U	
75A	22	28		(BLANK)	CCATS	043U	
75A	22	28		(BLANK)	CCATS	043U	
75A	22	28		(BLANK)	CCATS	043U	
75A	23	01	W	TEST * A	CCATS	008T	3L
75A	23	01	W	MISSION * A	CCATS	142M	3L
75A	23	01	G	S	CCATS	141S	3M
75A	23	01		(BLANK)	CCATS	043U	
75A	23	02	W	TEST * B	CCATS	009T	3L
75A	23	02	W	MISSION * B	CCATS	168M	3L
75A	23	02	G	S	CCATS	141S	3M
75A	23	02		(BLANK)	CCATS	043U	
75A	23	03	W	ALDS * S	CCATS	036A	
75A	23	03	W	MISSION	CCATS	142M	
75A	23	03	W	TEST	CCATS	049T	
75A	23	03		(BLANK)	CCATS	043U	
75A	23	04	W	FAN OUT		140F	
75A	23	04	R	(BACKGROUND)		036B	
75A	23	04		(BLANK)		043U	
75A	23	04		(BLANK)		043U	
75A	23	05	W	0	CCATS	026N	
75A	23	05	W	1	CCATS	027N	
75A	23	05	W	2	CCATS	028N	
75A	23	05	W	3	CCATS	029N	
75A	23	05	R	(BACKGROUND)	CCATS	036B	
75A	23	05	G	(BACKGROUND)	CCATS	036B	
75A	23	06	W	0	CCATS	026N	
75A	23	06	W	1	CCATS	027N	
75A	23	06	W	2	CCATS	028N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	23	06	W	3	CCATS	029N	
75A	23	06	R	(BACKGROUND)	CCATS	036B	
75A	23	06	G	(BACKGROUND)	CCATS	036B	
75A	23	07	W	DATA * LOSS * (A)	CCATS	017D	3N
75A	23	07	W	DATA * LOSS * (B)	CCATS	018D	3O
75A	23	07	W	DATA * LOSS * ALDS	CCATS	019D	3P
75A	23	07		(BLANK)	CCATS	043U	
75A	23	07		(BLANK)	CCATS	043U	
75A	23	07		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	08		(BLANK)	CCATS	043U	
75A	23	09	W	0	CCATS	026N	
75A	23	09	W	1	CCATS	027N	
75A	23	09	W	2	CCATS	028N	
75A	23	09	W	3	CCATS	029N	
75A	23	09	W	4	CCATS	030N	
75A	23	09	W	5	CCATS	031N	
75A	23	09	W	6	CCATS	032N	
75A	23	09	W	7	CCATS	033N	
75A	23	09	W	8	CCATS	034N	
75A	23	09	W	9	CCATS	035N	
75A	23	09	R	(BACKGROUND)	CCATS	036B	
75A	23	09	G	(BACKGROUND)	CCATS	036B	
75A	23	10	W	0	CCATS	026N	
75A	23	10	W	1	CCATS	027N	
75A	23	10	W	2	CCATS	028N	
75A	23	10	W	3	CCATS	029N	
75A	23	10	W	4	CCATS	030N	
75A	23	10	W	5	CCATS	031N	
75A	23	10	W	6	CCATS	032N	
75A	23	10	W	7	CCATS	033N	
75A	23	10	W	8	CCATS	034N	
75A	23	10	W	9	CCATS	035N	
75A	23	10	R	(BACKGROUND)	CCATS	036B	
75A	23	10	G	(BACKGROUND)	CCATS	036B	
75A	23	11	W	ALDS	CCATS	036A	
75A	23	11	W	MILA	CCATS	056M	
75A	23	11	W	GBM	CCATS	007G	
75A	23	11	W	ANG	CCATS	043A	
75A	23	11	W	BDA	CCATS	013B	
75A	23	11	W	ACN	CCATS	136A	
75A	23	11	W	CYI	CCATS	100C	
75A	23	11	W	MAD	CCATS	003M	
75A	23	11	W	CRO	CCATS	057C	
75A	23	11		(BLANK)	CCATS	043U	
75A	23	11		(BLANK)	CCATS	043U	
75A	23	11		(BLANK)	CCATS	043U	
75A	23	12	W	HSK	CCATS	083H	
75A	23	12	W	GWM	CCATS	063G	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	23	12	W	HAW	CCATS	002H	
75A	23	12	W	GDS	CCATS	018G	
75A	23	12	W	GYM	CCATS	075G	
75A	23	12	W	TEX	CCATS	012T	
75A	23	12	W	VAN	CCATS	013V	
75A	23	12	W	RED	CCATS	007R	
75A	23	12	W	MER	CCATS	034M	
75A	23	12		(BLANK)	CCATS	043U	
75A	23	12		(BLANK)	CCATS	043U	
75A	23	12		(BLANK)	CCATS	043U	
75A	23	13	W	SI * LIVE	CCATS	226S	3R
75A	23	13	R	SI * STATIC	CCATS	227S	3R
75A	23	13	W	SI * FILL	CCATS	353S	3R
75A	23	13	W	A	CCATS	093A	3S
75A	23	13	W	B	CCATS	046B	3S
75A	23	13	G	(BACKGROUND)	CCATS	036B	3T
75A	23	14	W	CSM * LIVE	CCATS	299C	3R
75A	23	14	R	CSM * STATIC	CCATS	300C	3R
75A	23	14	W	CSM * FILL	CCATS	301C	3R
75A	23	14	W	A	CCATS	093A	3S
75A	23	14	W	B	CCATS	046B	3S
75A	23	14	G	(BACKGROUND)	CCATS	036B	3T
75A	23	15	W	LM * LIVE	CCATS	110L	3R
75A	23	15	R	LM * STATIC	CCATS	111L	3R
75A	23	15	W	LM * FILL	CCATS	225L	3R
75A	23	15	W	A	CCATS	093A	3S
75A	23	15	W	B	CCATS	046B	3S
75A	23	15	G	(BACKGROUND)	CCATS	036B	3T
75A	23	16	W	LGC-X * LIVE	CCATS	232L	3R
75A	23	16	R	LGC-X * STATIC	CCATS	233L	3R
75A	23	16	W	LGC-X * FILL	CCATS	234L	3R
75A	23	16	W	A	CCATS	093A	3S
75A	23	16	W	B	CCATS	046B	3S
75A	23	16	G	(BACKGROUND)	CCATS	036B	3T
75A	23	17	W	SII * LIVE	CCATS	354S	3R
75A	23	17	R	SII * STATIC	CCATS	355S	3R
75A	23	17	W	SII * FILL	CCATS	356S	3R
75A	23	17	W	A	CCATS	093A	3S
75A	23	17	W	B	CCATS	046B	3S
75A	23	17	G	(BACKGROUND)	CCATS	036B	3T
75A	23	18	W	CMC * LIVE	CCATS	302C	3R
75A	23	18	R	CMC * STATIC	CCATS	303C	3R
75A	23	18	W	CMC * FILL	CCATS	304C	3R
75A	23	18	W	A	CCATS	093A	3S
75A	23	18	W	B	CCATS	046B	3S
75A	23	18	G	(BACKGROUND)	CCATS	036B	3T
75A	23	19	W	LGC * LIVE	CCATS	226L	3R
75A	23	19	R	LGC * STATIC	CCATS	227L	3R
75A	23	19	W	LGC * FILL	CCATS	228L	3R
75A	23	19	W	A	CCATS	093A	3S
75A	23	19	W	B	CCATS	046B	3S
75A	23	19	G	(BACKGROUND)	CCATS	036B	3T
75A	23	20	W	AGS-X * LIVE	CCATS	233A	3R

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	23	20	R	AGS-X * STATIC	CCATS	234A	3R
75A	23	20	W	AGS-X * FILL	CCATS	235A	3R
75A	23	20	W	A	CCATS	093A	3S
75A	23	20	W	B	CCATS	046B	3S
75A	23	20	G	(BACKGROUND)	CCATS	036B	3T
75A	23	21	W	SIVB * LIVE	CCATS	228S	3R
75A	23	21	R	SIVB * STATIC	CCATS	229S	3R
75A	23	21	W	SIVB * FILL	CCATS	357S	3R
75A	23	21	W	A	CCATS	093A	3S
75A	23	21	W	B	CCATS	046B	3S
75A	23	21	G	(BACKGROUND)	CCATS	036B	3T
75A	23	22	W	CSM-X * LIVE	CCATS	305C	3R
75A	23	22	R	CSM-X * STATIC	CCATS	306C	3R
75A	23	22	W	CSM-X * FILL	CCATS	307C	3R
75A	23	22	W	A	CCATS	093A	3S
75A	23	22	W	B	CCATS	046B	3S
75A	23	22	G	(BACKGROUND)	CCATS	036B	3T
75A	23	23	W	AGS * LIVE	CCATS	230A	3R
75A	23	23	R	AGS * STATIC	CCATS	231A	3R
75A	23	23	W	AGS * FILL	CCATS	232A	3R
75A	23	23	W	A	CCATS	093A	3S
75A	23	23	W	B	CCATS	046B	3S
75A	23	23	G	(BACKGROUND)	CCATS	036B	3T
75A	23	24		(BLANK)	CCATS	043U	
75A	23	24		(BLANK)	CCATS	043U	
75A	23	24		(BLANK)	CCATS	043U	
75A	23	24		(BLANK)	CCATS	043U	
75A	23	24		(BLANK)	CCATS	043U	
75A	23	24		(BLANK)	CCATS	043U	
75A	23	25	W	IU * LIVE	CCATS	061I	3R
75A	23	25	R	IU * STATIC	CCATS	062I	3R
75A	23	25	W	IU * FILL	CCATS	102I	3R
75A	23	25	W	A	CCATS	093A	3S
75A	23	25	W	B	CCATS	046B	3S
75A	23	25	G	(BACKGROUND)	CCATS	036B	3T
75A	23	26	W	CMC-X * LIVE	CCATS	308C	3R
75A	23	26	R	CMC-X * STATIC	CCATS	309C	3R
75A	23	26	W	CMC-X * FILL	CCATS	310C	3R
75A	23	26	W	A	CCATS	093A	3S
75A	23	26	W	B	CCATS	046B	3S
75A	23	26	G	(BACKGROUND)	CCATS	036B	3T
75A	23	27	W	LM-X * LIVE	CCATS	229L	3R
75A	23	27	R	LM-X * STATIC	CCATS	230L	3R
75A	23	27	W	LM-X * FILL	CCATS	231L	3R
75A	23	27	W	A	CCATS	093A	3S
75A	23	27	W	B	CCATS	046B	3S
75A	23	27	G	(BACKGROUND)	CCATS	036B	3T
75A	23	28		(BLANK)	CCATS	043U	
75A	23	28		(BLANK)	CCATS	043U	
75A	23	28		(BLANK)	CCATS	043U	
75A	23	28		(BLANK)	CCATS	043U	
75A	23	28		(BLANK)	CCATS	043U	
75A	23	28		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	28	01U	W	CSM X	CCATS	289C	
75A	28	01L	G	BUFFER * READY	CCATS	034B	
75A	28	02U	W	CMC X	CCATS	288C	
75A	28	02L	G	BUFFER * READY	CCATS	034B	
75A	28	03U	W	LM X	CCATS	213L	
75A	28	03L	G	BUFFER * READY	CCATS	034B	
75A	28	04U	W	LGC X	CCATS	214L	
75A	28	04L	G	BUFFER * READY	CCATS	034B	
75A	28	05U	W	AGS-X	CCATS	227A	
75A	28	05L	G	BUFFER * READY	CCATS	034B	
75A	28	06U		(BLANK)	CCATS	043U	
75A	28	06L		(BLANK)	CCATS	043U	
75A	28	07U	A	REMOTE * LFI	CCATS	056L	
75A	28	07L	W	LOCAL * LFI	CCATS	176R	
75A	28	08U	A	REMOTE * LFI	CCATS	056L	
75A	28	08L	W	LOCAL * LFI	CCATS	176R	
75A	28	09U	A	REMOTE * LFI	CCATS	056L	
75A	28	09L	W	LOCAL * LFI	CCATS	176R	
75A	28	10U	A	REMOTE * LFI	CCATS	056L	
75A	28	10L	W	LOCAL * LFI	CCATS	176R	
75A	28	11U	A	REMOTE * LFI	CCATS	056L	
75A	28	11L	W	LOCAL * LFI	CCATS	176R	
75A	28	12U		(BLANK)	CCATS	043U	
75A	28	12L		(BLANK)	CCATS	043U	
75A	29	01	G	S-IC IGN	CASTS-	194S	
75A	29	02	G	L/O	CASTS-	028L	
75A	29	03	G	S-IC BURN * MODE	MOC	K0089-602	
75A	29	04	G	S-II BURN * MODE	MOC	K0090-602	
75A	29	05	G	SIVB BURN * MODE	MOC	K0020-602	
75A	29	06		(BLANK)	MOC	043U	
75A	29	07	W	DRO DEP A * CE0001X	MOC	CE0001	
75A	29	08	R	MC&W * CS0150X R	MOC	CS0150	
75A	29	09	W	EDS ABT A * CD0135X	MOC	CD0135	
75A	29	10	A	CMC WARN * CG5040X R	MOC	CG5040	
75A	29	11	W	CG LM/CSM * CH3600X	MOC	CH3600	
75A	29	12		(BLANK)	MOC	043U	
75A	29	13	R	GL4069X-1 * MSTR ALRM	MOC	GL4069	
75A	29	14	R	GH1283X-1 * ABRT STGD	MOC	GH1283	
75A	29	15	A	GG9001X-1 * LGC WARN	MOC	GG9001	
75A	29	16	W	GG9002X-1 * ISS WARN	MOC	GG9002	
75A	29	17		(BLANK)	MOC	043U	
75A	29	18	R	TLC	MOC	EMRD26	
75A	29	19	W	DSE RUN * CT0012X	MOC	CT0012	
75A	29	20	W	RTCC * PRELAUNCH	MOC	022P	
75A	29	21		(BLANK)	MOC	043U	
75A	29	22	R	ABORT * 001A	MOC	001A	
75A	29	23	W	ORBIT * 014O	MOC	014O	
75A	29	24	W	RTCC * REENTRY	MOC	017R	
75A	29	25		(BLANK)	MOC	043U	
75A	29	26	W	CCS * IN LOCK	MOC	J0077-603	
75A	29	27	W	70 KHZ * IN LOCK	MOC	J0078-603	
75A	29	28	W	CSM DUMP	CCATS	194C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	29	29	R	CSM P/B	CCATS	275CA	
75A	29	30	W	CSM HI B.R.	CCATS	276C	
75A	29	31	W	CSM LO B.R.	CCATS	277C	
75A	29	32		(BLANK)	MOC	043U	
75A	29	33	W	LM DUMP	CCATS	100L	
75A	29	34	R	LM P/B	CCATS	210L	
75A	29	35	W	LM HI B.R.	CCATS	211L	
75A	29	36	W	LM LO B.R.	CCATS	212L	
75A	29	37	W	AGC DUMP	CCATS	201A	
75A	29	38		(BLANK)	MOC	043U	
75A	29	39	W	S-II T/P	CCATS	380S	
75A	29	40	W	S-IC T/P	CCATS	379S	
75A	29	41	R	S-IVB T/P	CCATS	342S	
75A	29	42	R	IU T/P	CCATS	089I	
75A	29	43		(BLANK)	MOC	043U	
75A	29	44	W	LGC DUMP	CCATS	176L	
75A	29	45	W	AGS DUMP	CCATS	201A	
75A	29	46	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
75A	29	47	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
75A	29	48	A	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
75A	29	49	W	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
75A	29	50	G	LM PM * DN LOCK	STRIP	LMUSB04	
75A	29	51	G	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
75A	29	52	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
75A	29	53	W	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
75A	29	54	W	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
75A	29	55	W	RENDZ * P-THRUST	MOC	AGC07E	
75A	29	56	W	ENTRY * UPDATE	MOC	AGC08E	
75A	29	57	W	POWER	MOC	AGC05E	
75A	29	58	W	COAST * ALIGN	MOC	AGC06E	
75A	29	59	W	PROG * 22	MOC	AGC10E	
75A	29	60	G	AEMD	MOC	AGC11E	
75A	29	61	G	IU PM * DN LOCK	STRIP	IUUSB04	
75A	29	62	G	CCS TM * SYNC	STRIP	IUUSB07	
75A	29	63		(BLANK)	MOC	043U	
75A	29	64	W	RNDZ	MOC	LGC06E	
75A	29	65	W	UPDAT	MOC	LGC07E	
75A	29	66	W	POWER	MOC	LGC04E	
75A	29	67	W	COAST	MOC	LGC05E	
75A	29	68	W	DES/ASCNT * (LIST 5)	MOC	LGC02E	
75A	29	69	G	LUN ALIGN * (LIST 6)	MOC	LGC03E	
75A	29	70	G	LEMD	MOC	LGC01E	
75A	29	71		(BLANK)	MOC	043U	
75A	29	72	W	ALDS PRI * ALT LINE	CCATS	036A	
75A	32	01U	G	ALDS	CCATS	036A	
75A	32	01L	W	DISPLAY	CCATS	011D	
75A	32	02U	G	MIL	CCATS	046M	
75A	32	02L	W	DISPLAY	CCATS	011D	
75A	32	03U	G	GBM	CCATS	007G	
75A	32	03L	W	DISPLAY	CCATS	011D	
75A	32	04U	G	ANG	CCATS	043A	
75A	32	04L	W	DISPLAY	CCATS	011D	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
75A	32	05U	G	BDA	CCATS	013B	
75A	32	05L	W	DISPLAY	CCATS	011D	
75A	32	06U	G	ACN	CCATS	011A	
75A	32	06L	W	DISPLAY	CCATS	011D	
75A	32	07U	G	CYI	CCATS	100C	
75A	32	07L	W	DISPLAY	CCATS	011D	
75A	32	08U	G	MAD	CCATS	003M	
75A	32	08L	W	DISPLAY	CCATS	011D	
75A	32	09U	G	CRO	CCATS	057C	
75A	32	09L	W	DISPLAY	CCATS	011D	
75A	32	10U	G	HSK	CCATS	083H	
75A	32	10L	W	DISPLAY	CCATS	011D	
75A	32	11U	G	GWM	CCATS	063G	
75A	32	11L	W	DISPLAY	CCATS	011D	
75A	32	12U	G	HAW	CCATS	002H	
75A	32	12L	W	DISPLAY	CCATS	011D	
75A	32	13U	G	GDS	CCATS	018G	
75A	32	13L	W	DISPLAY	CCATS	011D	
75A	32	14U	G	GYM	CCATS	075G	
75A	32	14L	W	DISPLAY	CCATS	011D	
75A	32	15U	G	TEX	CCATS	012T	
75A	32	15L	W	DISPLAY	CCATS	011D	
75A	32	16U	G	VAN	CCATS	013V	
75A	32	16L	W	DISPLAY	CCATS	011D	
75A	32	17U	G	RED	CCATS	007R	
75A	32	17L	W	DISPLAY	CCATS	011D	
75A	32	18U	G	MER	CCATS	034M	
75A	32	18L	W	DISPLAY	CCATS	011D	
75A	33	01	W	(FORMAT NO. THOUS. DIGIT)			
75A	33	02	W	(FORMAT NO. THOUS. DIGIT)			
75A	33	03	W	(FORMAT NO. THOUS. DIGIT)			
75A	33	04	W	(FORMAT NO. THOUS. DIGIT)			

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
76A	02	01	G	WBD * HSD DATA	CCATS	012W	
76A	02	02	G	LSD DATA	CCATS	219L	
76A	02	03	G	RTCS * (IP) DATA	CCATS	238R	
76A	02	04U	G	IP SMOOTH	MOC	600IA	
76A	02	04L	A	IP SMOOTH * NO MESSAGE	MOC	023I	
76A	02	05U	G	IP RAW	MOC	602IA	
76A	02	05L	A	IP RAW * NO MESSAGE	MOC	012I	
76A	02	06U	G	SHIP-C BAND	MOC	602SA	
76A	02	06L	A	SHIP-CBND * NO MSG.	MOC	055S	
76A	02	07U	G	SHIP-USB	MOC	603SA	
76A	02	07L		(BLANK)	MOC	043U	
76A	02	08U	A	RESTART * USB	MOC	602RA	
76A	02	08L		(BLANK)	MOC	043U	
76A	02	09U	G	USB	MOC	600UA	
76A	02	09L	A	USB * NO MESSAGE	MOC	034U	
76A	02	10U	A	BAD ANGLES	MOC	605BA	
76A	02	10L	A	BAD RR	MOC	606BA	
76A	02	11U	A	DESTRUCT	MOC	603DA	
76A	02	11L	A	S NOT 2-WAY	MOC	629SA	
76A	02	12U	A	USB NOT * AUTO TRACK	MOC	064U	
76A	02	12L		(BLANK)	MOC	043U	
76A	02	13U	G	DATA IN * TRANS CSM	MOC	600DA	
76A	02	13L	G	DATA IN * TRANS LM	MOC	600DB	
76A	02	14U	G	DATA IN * TRANS S4B	MOC	600DB	
76A	02	14L		(BLANK)	MOC	043U	
76A	02	15U		(BLANK)	MOC	043U	
76A	02	15L		(BLANK)	MOC	043U	
76A	02	16U		(BLANK)	MOC	043U	
76A	02	16L		(BLANK)	MOC	043U	
76A	02	17	G	S-IVB C/O * EVENT	PBI	144SEV	
76A	02	18	W	THRUST * NO EVENT	PBI	179RNE	
76A	14	01U	G	VAN-H	CCATS	067V	
76A	14	01L	W	VAN-L	CCATS	068V	
76A	14	02U	G	RED-H	CCATS	244R	
76A	14	02L	W	RED-L	CCATS	245R	
76A	14	03U	G	MER-H	CCATS	174M	
76A	14	03L	W	MER-L	CCATS	175M	
76A	14	04U		(BLANK)	CCATS	043U	
76A	14	04L		(BLANK)	CCATS	043U	
76A	14	05U	G	HTV-H	CCATS	018H	
76A	14	05L	W	HTV-L	CCATS	079H	
76A	14	06U		(BLANK)	CCATS	043U	
76A	14	06L		(BLANK)	CCATS	043U	
76A	14	07U		(BLANK)	CCATS	043U	
76A	14	07L		(BLANK)	CCATS	043U	
76A	14	08U		(BLANK)	CCATS	043U	
76A	14	08L		(BLANK)	CCATS	043U	
76A	14	09U		(BLANK)	CCATS	043U	
76A	14	09L		(BLANK)	CCATS	043U	
76A	14	10U		(BLANK)	CCATS	043U	
76A	14	10L		(BLANK)	CCATS	043U	
76A	14	11U		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
76A	14	11L		(BLANK)	CCATS	043U	
76A	14	12U		(BLANK)	CCATS	043U	
76A	14	12L		(BLANK)	CCATS	043U	
76A	14	13U		(BLANK)	CCATS	043U	
76A	14	13L		(BLANK)	CCATS	043U	
76A	14	14U		(BLANK)	CCATS	043U	
76A	14	14L		(BLANK)	CCATS	043U	
76A	14	15U		(BLANK)	CCATS	043U	
76A	14	15L		(BLANK)	CCATS	043U	
76A	14	16U		(BLANK)	CCATS	043U	
76A	14	16L		(BLANK)	CCATS	043U	
76A	14	17U		(BLANK)	CCATS	043U	
76A	14	17L		(BLANK)	CCATS	043U	
76A	14	18U	R	UN-ID/H	CCATS	101U	
76A	14	18L		(BLANK)	CCATS	043U	
76A	18	01U	G	MIL-H	CCATS	169M	
76A	18	01L	W	MIL-L	CCATS	171M	
76A	18	02U	G	GBM-H	CCATS	128G	
76A	18	02L	W	GBM-L	CCATS	132G	
76A	18	03U	G	BDA-H	CCATS	166B	
76A	18	03L	W	BDA-L	CCATS	167B	
76A	18	04U	G	ANG-H	CCATS	248A	
76A	18	04L	W	ANG-L	CCATS	250A	
76A	18	05U	G	ACN-H	CCATS	249A	
76A	18	05L	W	ACN-L	CCATS	251A	
76A	18	06U	G	CYI-H	CCATS	332C	
76A	18	06L	W	CYI-L	CCATS	334C	
76A	18	07U	G	MAD-H	CCATS	170M	
76A	18	07L	W	MAD-L	CCATS	172M	
76A	18	08U	G	CRO-H	CCATS	333C	
76A	18	08L	W	CRO-L	CCATS	335C	
76A	18	09U	G	HSK-H	CCATS	072H	
76A	18	09L	W	HSK-L	CCATS	074H	
76A	18	10U	G	GWM-H	CCATS	129G	
76A	18	10L	W	GWM-L	CCATS	133G	
76A	18	11U	G	HAW-H	CCATS	073H	
76A	18	11L	W	HAW-L	CCATS	075H	
76A	18	12U	G	GDS-H	CCATS	130G	
76A	18	12L	W	GDS-L	CCATS	134G	
76A	18	13U	G	GYM-H	CCATS	131G	
76A	18	13L	W	GYM-L	CCATS	135G	
76A	18	14U	G	TEX-H	CCATS	088T	
76A	18	14L	W	TEX-L	CCATS	089T	
76A	18	15U	G	RID-H	CCATS	242R	
76A	18	15L	W	RID-L	CCATS	243R	
76A	18	16U	G	NBE-H	CCATS	457N	
76A	18	16L	W	NBE-L	CCATS	458N	
76A	18	17U	G	PIR-H	CCATS	097P	
76A	18	17L	W	PIR-L	CCATS	098P	
76A	18	18U	R	UN-ID/H	CCATS	101U	
76A	18	18L	R	UN-ID/L	CCATS	102U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
76A	19	01U		(BLANK)	CCATS	043U	
76A	19	01L	W	MLA-L	CCATS	173M	
76A	19	02U		(BLANK)	CCATS	043U	
76A	19	02L	W	PAT-L	CCATS	099P	
76A	19	03U		(BLANK)	CCATS	043U	
76A	19	03L	W	GBI-L	CCATS	136G	
76A	19	04U		(BLANK)	CCATS	043U	
76A	19	04L	W	ANT-L	CCATS	252A	
76A	19	05U		(BLANK)	CCATS	043U	
76A	19	05L	W	BDA/16-L	CCATS	168B	
76A	19	06U		(BLANK)	CCATS	043U	
76A	19	06L	W	BDA/6-L	CCATS	169B	
76A	19	07U	G	HAW-H	CCATS	073H	
76A	19	07L	W	HAW-L	CCATS	075H	
76A	19	08U		(BLANK)	CCATS	043U	
76A	19	08L	W	GTK-L	CCATS	126G	
76A	19	09U	G	ASC/18-H	CCATS	007A	
76A	19	09L	W	ASC/18-L	CCATS	254A	
76A	19	10U		(BLANK)	CCATS	043U	
76A	19	10L	W	PRE-L	CCATS	100P	
76A	19	11U		(BLANK)	CCATS	043U	
76A	19	11L	W	TAN-L	CCATS	090T	
76A	19	12U	G	CRO-H	CCATS	333C	
76A	19	12L	W	CRO-L	CCATS	335C	
76A	19	13	A	CYI * SPAN	CCATS	094C	
76A	19	14	A	CRO * SPAN	CCATS	093C	
76A	19	15	A	BOU * SPAN	CCATS	040M	
76A	19	16U	G	CAL/18-H	CCATS	341C	
76A	19	16L	W	CAL/18-L	CCATS	342C	
76A	19	17U	G	WHS-H	CCATS	023W	
76A	19	17L	W	WHS-L	CCATS	024W	
76A	19	18U	R	UN-ID/H	CCATS	101U	
76A	19	18L	R	UN-ID/L	CCATS	102U	
76A	21	01U	G	CSM UDL * 70KHZ	STRIP	CSMUSB01	
76A	21	01L	G	CSM G/A * 30KHZ	STRIP	CSMUSB02	
76A	21	02U	G	CSM PRN * UPLINK	STRIP	CSMUSB03	
76A	21	02L	G	CSM PM * DN LOCK	STRIP	CSMUSB04	
76A	21	03	G	CSM A/G * 1.25MHZ	STRIP	CSMUSB05	
76A	21	04U		(BLANK)	CCATS	043U	
76A	21	04L		(BLANK)	CCATS	043U	
76A	21	05	G	CSM PM TM * 1.024MHZ	STRIP	CSMUSB07	
76A	21	06	G	CSM FM TM * 1.024MHZ	STRIP	CSMUSB08	
76A	21	07U	A	LM UDL * 70KHZ	STRIP	LMUSB01	
76A	21	07L	A	LM G/A * 30KHZ	STRIP	LMUSB02	
76A	21	08U	A	LM PRN * UPLINK	STRIP	LMUSB03	
76A	21	08L	A	LM PM * DN LOCK	STRIP	LMUSB04	
76A	21	09	A	LM PM A/G * 1.25MHZ	STRIP	LMUSB05	
76A	21	10	A	LM FM A/G * 1.25MHZ	STRIP	LMUSB06	
76A	21	11	A	LM PM TM * 1.024MHZ	STRIP	LMUSB07	
76A	21	12	A	LM FM TM * 1.024MHZ	STRIP	LMUSB08	
76A	21	13U	W	IU UDL * 70KHZ	STRIP	IUUSB01	
76A	21	13L		(BLANK)	CCATS	043U	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
76A	21	14U	W	IU PRN * UPLINK	STRIP	IUUSB03	
76A	21	14L		(BLANK)	CCATS	043U	
76A	21	15U		(BLANK)	CCATS	043U	
76A	21	15L		(BLANK)	CCATS	043U	
76A	21	16U		(BLANK)	CCATS	043U	
76A	21	16L		(BLANK)	CCATS	043U	
76A	21	17	W	CCS TM * SYNC	STRIP	IUUSB07	
76A	21	18U		(BLANK)	CCATS	043U	
76A	21	18L		(BLANK)	CCATS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
77	06					043B	32
77	06					043B	1G
77	06	01U	W	AGCVOLTCM	PBI	AGCVOLTCM	
77	06	01L	W	AGCVOLTLM	PBI	AGCVOLTLM	
77	06	02A		SITE PM RCVR VOLTAGE-CSM	DAC	AGCVOLTCM	
77	06	02B		SITE PM RCVR VOLTAGE-LM	DAC	AGCVOLTLM	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
81	03	01U	G	CSM SEP A * CD0023X	MOC	CD0023	
81	03	01L	G	CSM SEP B * CD0024X	MOC	CD0024	
81	03	02U	G	SLA SEP A * CD0123X	MOC	CD0123	
81	03	02L	G	SLA SEP B * CD0124X	MOC	CD0124	
81	03	03U	R	CREW ABRT * CD0130X	MOC	CD0130	
81	03	03L	R	CREW ABRT * CD0131X	MOC	CD0131	
81	03	04U	R	EDS VOT 1 * CD0132X R	MOC	CD0132	
81	03	04L	R	EDS VOT 2 * CD0133X R	MOC	CD0133	
81	03	05U	R	EDS VOT 3 * CD0134X R	MOC	CD0134	
81	03	05L		(BLANK)	MOC	043U	
81	03	06U	R	EDS ABT A * CD0135X	MOC	CD0135	
81	03	06L	R	EDS ABT B * CD0136X	MOC	CD0136	
81	03	07U	G	SCS RCS A * CD0170X	MOC	CD0170	
81	03	07L	G	SCS RCS B * CD0171X	MOC	CD0171	
81	03	08U	G	CM RCS A * CD0173X	MOC	CD0173	
81	03	08L	G	CM RCS B * CD0174X	MOC	CD0174	
81	03	09U	G	APEX A * CD0230X	MOC	CD0230	
81	03	09L	G	APEX B * CD0231X	MOC	CD0231	
81	03	10U		(BLANK)	MOC	043U	
81	03	10L		(BLANK)	MOC	043U	
81	03	11U		(BLANK)	MOC	043U	
81	03	11L		(BLANK)	MOC	043U	
81	03	12U	G	RNG SEP A * CD1154X	MOC	CD1154	
81	03	12L	G	RNG SEP B * CD1155X	MOC	CD1155	
81	03	13U	G	DRO DEP A * CE0001X	MOC	CE0001	
81	03	13L	G	DRO DEP B * CE0002X	MOC	CE0002	
81	03	14U	G	MN DEP A * CE0003X	MOC	CE0003	
81	03	14L	G	MN DEP B * CE0004X	MOC	CE0004	
81	03	15U	G	MN DIS A * CE0321X	MOC	CE0321	
81	03	15L	G	MN DIS B * CE0322X	MOC	CE0322	
81	03	16U	R	ABORT REQ * BS0080X	MOC	BS0080	
81	03	16L	R	ABORT REQ * BS0081X	MOC	BS0081	
81	03	17U		(BLANK)	MOC	043U	
81	03	17L		(BLANK)	MOC	043U	
81	03	18	R	MC&W * CS0150X R	MOC	CS0150	
81	04	01U	G	DRCT RCS1 * CH3601X	MOC	CH3601	
81	04	01L	G	DRCT RCS2 * CH3602X	MOC	CH3602	
81	04	02U	G	SPS D1 * CH3604X R	MOC	CH3604	
81	04	02L	G	SPS D2 * CH3605X R	MOC	CH3605	
81	04	03U	A	LIM CYCLE * CH3606X R	MOC	CH3606	
81	04	03L	A	SC CN SCS * CH3607X	MOC	CH3607	
81	04	04U	G	R ACC CMD * CH3609X	MOC	CH3609	
81	04	04L	G	R MIN IMP * CH3610X	MOC	CH3610	
81	04	05U	G	P ACC CMD * CH3612X	MOC	CH3612	
81	04	05L	G	P MIN IMP * CH3613X	MOC	CH3613	
81	04	06U	G	Y ACC CMD * CH3615X	MOC	CH3615	
81	04	06L	G	Y MIN IMP * CH3616X	MOC	CH3616	
81	04	07U	A	GY 1 SMRD * CH3623X R	MOC	CH3623	
81	04	07L	A	GY 2 SMRD * CH3624X R	MOC	CH3624	
81	04	08U	B	R ATT 1R2 * CH3635X	MOC	CH3635	
81	04	08L	A	R RATE 2 * CH3636X	MOC	CH3636	
81	04	09U	B	P ATT 1R2 * CH3638X	MOC	CH3638	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
81	04	09L	A	P RATE 2 * CH3639X	MOC	CH3639	
81	04	10U	B	Y ATT 1R2 * CH3641X	MOC	CH3641	
81	04	10L	A	Y RATE 2 * CH3642X	MOC	CH3642	
81	04	11U		(BLANK)	MOC	043U	
81	04	11L		(BLANK)	MOC	043U	
81	04	12U		(BLANK)	MOC	043U	
81	04	12L		(BLANK)	MOC	043U	
81	04	13	G	CSM * LIVE	CCATS	299C	
81	04	14	A	CSM * STATIC	CCATS	300C	
81	04	15	A	CSM * LFI	CCATS	358C	
81	04	16	G	CMC * LIVE	CCATS	302C	
81	04	17	A	CMC * STATIC	CCATS	303C	
81	04	18	A	CMC * LFI	CCATS	330C	
81	05	01U	G	CH3546X A * 3 +P+X 13	STRIP	CH3546	
81	05	01L	G	A -P +X A * 4 CH3547 14	STRIP	CH3547	
81	05	02U	G	A +P -X B * 3 CH3548 23	STRIP	CH3548	
81	05	02L	G	C CH3549B * 4 -P-X 24	STRIP	CH3549	
81	05	03U	G	D +Y +X B * 3 CH3550X 25	STRIP	CH3550	
81	05	03L	G	B -Y +X B * 4 CH3551X 26	STRIP	CH3551	
81	05	04U	G	B CH3552X A * 3 +Y -X 15	STRIP	CH3552	
81	05	04L	G	D CH3553X A * 4 -Y -X 16	STRIP	CH3553	
81	05	05U	G	B CH3554X A * 1 +R +Z 11	STRIP	CH3554	
81	05	05L	G	D CH3555X B * 2 -R +Z 22	STRIP	CH3555	
81	05	06U	G	D +R -Z B * 1 CH3556X 21	STRIP	CH3556	
81	05	06L	G	B -R -Z A * 2 CH3557X 12	STRIP	CH3557	
81	05	07U	G	A CH3558X * 1 +R +Y	STRIP	CH3558	
81	05	07L	G	C -R +Y * 2 CH3559X	STRIP	CH3559	
81	05	08U	G	C +R -Y * 1 CH3560X	STRIP	CH3560	
81	05	08L	G	A CH3561X * 2 -R -Y	STRIP	CH3561	
81	05	09U	G	TC +X CMD * CH3574X	MOC	CH3574	
81	05	09L	G	TC -X CMD * CH3575X	MOC	CH3575	
81	05	10U	G	TC +Y CMD * CH3576X	MOC	CH3576	
81	05	10L	G	TC -Y CMD * CH3577X	MOC	CH3577	
81	05	11U	G	TC +Z CMD * CH3578X	MOC	CH3578	
81	05	11L	G	TC -Z CMD * CH3579X	MOC	CH3579	
81	05	12U	A	FC1 PH HI * SC2160X	MOC	SC2160	
81	05	12L	A	FC2 PH HI * SC2161X	MOC	SC2161	
81	05	13U	A	FC3 PH HI * SC2162X	MOC	SC2162	
81	05	13L	A	RAD V PS2 * SF0266X	MOC	SF0266	
81	05	14U	B	DSE RUN * CT0012X	MOC	CT0012	
81	05	14L	B	IMU HTR28 * CG1513X	MOC	CG1513	
81	05	15U	B	CMC +28V * CG1523X	MOC	CG1523	
81	05	15L	B	OPT 28VAC * CG1533X	MOC	CG1533	
81	05	16U	R	CMC WARN * CG5040X R	MOC	CG5040	
81	05	16L	B	MN DB.5/4 * CH3588X	MOC	CH3588	
81	05	17U	B	H/R 8/4 * CH3590X	MOC	CH3590	
81	05	17L	B	FDAI 5/5 * CH3592X	MOC	CH3592	
81	05	18U	B	FDAI15-10 * CH3593X	MOC	CH3593	
81	05	18L	B	CG LM/CSM * CH3600X	MOC	CH3600	
81	21	01U	B	COAST * ALIGN	MOC	AGC06E	
81	21	01L	B	RENDZ * P-THRUST	MOC	AGC07E	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
81	21	02U	B	POWER	MOC	AGC05E	
81	21	02L	B	ENTRY * UPDATE	MOC	AGC08E	
81	21	03U	B	PROG * 22	MOC	AGC10E	
81	21	03L	A	BL INLINK * 921C1306S	MOC	CH13B06	
81	21	04U	B	IMU OPER * 931C3009R	MOC	CH30B09	
81	21	04L		(BLANK)	MOC	043U	
81	21	05U	B	COAR ALGN * 912C1204S	MOC	CH12B04	
81	21	05L	B	IMU CAGE * 931C3011R	MOC	CH30B11	
81	21	06U	B	OPTCMC/MN * 942C3304S	MOC	CH33B04	
81	21	06L	B	OPTZRO/MN * 942C3305S	MOC	CH33B05	
81	21	07U	B	ICDU ZERO * 912C1205S	MOC	CH12B05	
81	21	07L	B	GY ENABLE * 922C1406S	MOC	CH14B06	
81	21	08U	R	ICDU FAIL * 931C3012R	MOC	CH30B12	
81	21	08L	R	OCDU FAIL * 931C3007R	MOC	CH30B07	
81	21	09U	R	ISS WARN * 911C1101S	MOC	CH11B01	
81	21	09L	R	IMU FAIL * 931C3013R	MOC	CH30B13	
81	21	10U	R	PIPA FAIL * 942C3313R	MOC	CH33B13	
81	21	10L	B	HOLD/AUTO * 932C3114S	MOC	CH31B14	
81	21	11U	B	FREE/AUTO * 932C3113S	MOC	CH31B13	
81	21	11L	G	RO.2/2.0 * 821D0101S	MOC	DD1B01	
81	21	12U	G	RO.5/2.0 * 821D0102S	MOC	DD1B02	
81	21	12L	B	OPT EC EN * 912C1202S	MOC	CH12B02	
81	21	13U	B	IMU EC EN * 912C1206S	MOC	CH12B06	
81	21	13L	G	DAP DB5. * 821D0104S	MOC	DD1B04	
81	21	14U	B	TVC ENABL * 912C1208S	MOC	CH12B08	
81	21	14L	G	S4 ULLAGE * 931C3001R	MOC	CH30B01	
81	21	15U	B	A/P CONT * 932C3115R	MOC	CH31B15	
81	21	15L	G	SPS READY * 931C3003R	MOC	CH30B03	
81	21	16U	G	ENG ON * 911C1113S	MOC	CH11B13	
81	21	16L		(BLANK)	MOC	043U	
81	21	17U		(BLANK)	MOC	043U	
81	21	17L		(BLANK)	MOC	043U	
81	21	18U		(BLANK)	MOC	043U	
81	21	18L		(BLANK)	MOC	043U	
81	22					043B	23
81	22	01		CSL 7L * EECOM * CSM	PBI	110C	
81	22	02		CSL 7R * EECOM * CSM	PBI	110C	
81	22	03		CSL 8L * GNC * CSM	PBI	111C	
81	22	04		CSL 8R * GNC * CSM	PBI	111C	
81	22	05		CSL 20L * ECS * CSM	PBI	123C	
81	22	06		CSL 20R * ECS * CSM	PBI	123C	
81	22	07		CSL 31L * EPS * CSM	PBI	127C	
81	22	08		CSL 31R * EPS * CSM	PBI	127C	
81	22	09		CSL 32L * GN * CSM	PBI	128C	
81	22	10		CSL 32R * PROP * CSM	PBI	128C	
81	22	11		(BLANK)	PBI	043U	
81	22	12		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
82	03	01U	B	GC4361X-1 * BAT 1 HI	MOC	GC4361	
82	03	01L	B	GC4363X-1 * BAT 2 HI	MOC	GC4363	
82	03	02U	B	GC4362X-1 * BAT 1 LOW	MOC	GC4362	
82	03	02L	B	GC4364X-1 * BAT L LMP	MOC	GC4364	
82	03	03U	R	GC9961U-1 * BAT 1 MAL	MOC	GC9961	
82	03	03L	R	GC9962U-1 * BAT 2/L MAL	MOC	GC9962	
82	03	04U	G	GF1211/12 * S/RLF AUT	MOC	LEM01E	
82	03	04L	W	GF1212X-1 * S/RLF OPN	MOC	GF1212	
82	03	05U	G	GF1231/32 * C/RET AUT	MOC	LEM02E	
82	03	05L	W	GF1232X-1 * C/RET OPN	MOC	GF1232	
82	03	06U	R	GF1083X-1 * S/F 1 MAL	MOC	GF1083	
82	03	06L	R	GF1084X-1 * S/F 2 MAL	MOC	GF1084	
82	03	07U	B	GC4365X-1 * BAT 3 HI	MOC	GC4365	
82	03	07L	B	GC4367X-1 * BAT 4 HI	MOC	GC4367	
82	03	08U	B	GC4366X-1 * BAT L CDR	MOC	GC4366	
82	03	08L	B	GC4368X-1 * BAT 4 LOW	MOC	GC4368	
82	03	09U	R	GC9963U-1 * BAT 3/L MAL	MOC	GC9963	
82	03	09L	R	GC9964U-1 * BAT 4 MAL	MOC	GC9964	
82	03	10U	W	GF1211X-1 * S/RLF CLS	MOC	GF1211	
82	03	10L	W	GF1202X-1 * LMP/S DIS	MOC	GF1202	
82	03	11U	W	GF1231X-1 * C/RET EGR	MOC	GF1231	
82	03	11L	W	GF1201X-1 * CDR/S DIS	MOC	GF1201	
82	03	12U	W	GF1221X-1 * S/DIV EGR	MOC	GF1221	
82	03	12L	R	GF3572X-1 * REPR ELEC	MOC	GF3572	
82	03	13U	B	GC4371X-1 * BAT 5 LMPN	MOC	GC4371	
82	03	13L	B	GC4370X-1 * BAT 6 CDRN	MOC	GC4370	
82	03	14U	B	GC4369X-1 * BAT 5 CDRB	MOC	GC4369	
82	03	14L	B	GC4372X-1 * BAT 6 LMPB	MOC	GC4372	
82	03	15U	R	GC9965U-1 * BAT 5 MAL	MOC	GC9965	
82	03	15L	R	GC9966U-1 * BAT 6 MAL	MOC	GC9966	
82	03	16U	A	GF3071X-1 * DMD A CLS	MOC	GF3071	
82	03	16L		(BLANK)	MOC	043U	
82	03	17U	A	GF3073X-1 * DMD B CLS	MOC	GF3073	
82	03	17L		(BLANK)	MOC	043U	
82	03	18U	R	GF9986U-1 * GLY LOW	MOC	GF9986	
82	03	18L	R	GF2936X-1 * PUMP SW/O	MOC	GF2936	
82	04	01U	B	GR9631/41 * ASC A OPN	MOC	LEM28E	
82	04	01L	B	GR9632/42 * ASC B OPN	MOC	LEM29E	
82	04	02U	B	GR9609U * A MAIN CL	MOC	GR9609	
82	04	02L	B	GR9610U * B MAIN CL	MOC	GR9610	
82	04	03U	R	GR6004T * QUAD 1 T	MOC	GR6004	
82	04	03L	R	GR6003T * QUAD 2 T	MOC	GR6003	
82	04	04U		(BLANK)	MOC	043U	
82	04	04L		(BLANK)	MOC	043U	
82	04	05U	B	GP0318X-1 * APS1 CLSD	MOC	GP0318	
82	04	05L	B	GP0320X-1 * APS2 CLSD	MOC	GP0320	
82	04	06U	R	APS TCP	MOC	LEM30E	
82	04	06L		(BLANK)	MOC	043U	
82	04	07U	B	GR9613U * XFEED OPN	MOC	GR9613	
82	04	07L	R	GR9661U-1 * A 4 DSABL	MOC	GR9661	
82	04	08U		(BLANK)	MOC	043U	
82	04	08L	R	GR9662U-1 * B 4 DSABL	MOC	GR9662	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
82	04	09U	R	GR6002T * QUAD 3 T	MOC	GR6002	
82	04	09L	R	GR6001T * QUAD 4 T	MOC	GR6001	
82	04	10U		(BLANK)	MOC	043U	
82	04	10L	R	GQ4455X-1 * DPS PROP	MOC	GQ4455	
82	04	11U	A	GP2997/98 * APS OUT ø	MOC	LEM04E	40
82	04	11L	R	GP0908X-1 * APS FU LO	MOC	GP0908	
82	04	12U	G	GI31 * ULL ON	MOC	AGS10E	
82	04	12L	G	ULLAGE * CMD	MOC	LEM19E	
82	04	13U	R	GR9663U-1 * A 3 DSABL	MOC	GR9663	
82	04	13L	R	GR9665U-1 * A 2 DSABL	MOC	GR9665	
82	04	14U	R	GR9664U-1 * B 3 DSABL	MOC	GR9664	
82	04	14L	R	GR9666U-1 * B 2 DSABL	MOC	GR9666	
82	04	15U	R	GR9667U-1 * A 1 DSABL	MOC	GR9667	
82	04	15L	R	GR9668U-1 * B 1 DSABL	MOC	GR9668	
82	04	16U	A	GQ3603/04 * DPS FU Q	MOC	LEMLS01	
82	04	16L	A	GQ4103/04 * DPS OX Q	MOC	LEMLS02	
82	04	17U	R	GP1408X * APS OX LO	MOC	GP1408	
82	04	17L	A	GI45B13-0 * ABORT CMD	MOC	DW1B13	
82	04	18U	A	GY0050X-1 * ABORT CMD	MOC	GY0050	
82	04	18L	A	931C30010 * ABORT CMD	MOC	LCH30B01	
82	05	01U	R	GF4501P * D/H2O P	MOC	GF4501	
82	05	01L	A	GF1241X * SEC CO2	MOC	GF1241	
82	05	02U	R	GT8168P * PGA 1 P	MOC	GT8168	
82	05	02L	R	GT8182P * 1 O2 P	MOC	GT8182	
82	05	03U	R	GT8268P * PGA 2 P	MOC	GT8268	
82	05	03L	R	GT8282P * 2 O2 P	MOC	GT8282	
82	05	04U	A	GT8154T * 1 LGC IN T	MOC	GT8154	
82	05	04L	A	GT8254T * 2 LGC IN T	MOC	GT8254	
82	05	05U	R	GL4054X-0 * C&W FAIL	MOC	GL4054	
82	05	05L	R	GL4069X-0 * MSTR ALARM	MOC	GL4069	
82	05	06U	A	GY0201X-1 * ED A K1-6	MOC	GY0201	
82	05	06L	A	GY0202X-1 * ED B K1-6	MOC	GY0202	
82	05	07U	R	GT8140C * 1 BAT CUR	MOC	GT8140	
82	05	07L	R	GT8141V * 1 BAT V	MOC	GT8141	
82	05	08U	R	GT8175P * 1 CO2 PP	MOC	GT8175	
82	05	08L	R	GT8110P * 1 H2O P	MOC	GT8110	
82	05	09U	R	GT8275P * 2 CO2 PP	MOC	GT8275	
82	05	09L	R	GT8210P * 2 H2O P	MOC	GT8210	
82	05	10U	A	GT8170T * 1 O2 T	MOC	GT8170	
82	05	10L	A	GT8270T * 2 O2 T	MOC	GT8270	
82	05	11U	R	GL0400X-1 * OSC FL 1	MOC	GL0400	
82	05	11L	R	GL0422V * OSC 2 V	MOC	GL0422	
82	05	12U	A	GY0231X-0 * ED A K7-15	MOC	GY0231	
82	05	12L	A	GY0232X-0 * ED B K7-15	MOC	GY0232	
82	05	13U	R	GT8240C * 2 BAT CUR	MOC	GT8240	
82	05	13L	R	GT8241V * 2 BAT V	MOC	GT8241	
82	05	14U	R	LM4609 * A1 H2O Q#	MOC	LEM4609C	
82	05	14L	R	LM4610 * A2 H2O Q#	MOC	LEM4610C	
82	05	15U	R	LM4611 * D1 H2O Q#	MOC	LEM4611C	
82	05	15L	R	LM4617 * D2 H2O Q#	MOC	LEM4617C	
82	05	16U	A	GT8196T * 1 LGC ΔT	MOC	GT8196	38
82	05	16L	A	GT8296T * 2 LGC ΔT	MOC	GT8296	38

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
82	05	17U	R	GL0423V * OSC 3 V	MOC	GL0423	
82	05	17L	A	LEM31E * LBR	MOC	LEM31E	
82	05	18U	G	GM5000U-0 * GR N DPLY	MOC	GM5000	
82	05	18L		(BLANK)	MOC	043U	
						043B	23
82	12						
82	12	01		CSL 9L * TELMU * LM	PBI	112C	
82	12	02		CSL 9R * TELMU * LM	PBI	112C	
82	12	03		CSL 16L * CONTROL * LM	PBI	116C	
82	12	04		CSL 16R * CONTROL * LM	PBI	116C	
82	12	05		CSL 21L * ECS * LM	PBI	124C	
82	12	06		CSL 21R * ECS * LM	PBI	124C	
82	12	07		CSL 29L * PGNS * LM	PBI	125C	
82	12	08		CSL 29LC * AGS * LM	PBI	125C	
82	12	09		CSL 29RC * PROP * LM	PBI	125C	
82	12	10		CSL 29R * PROP * LM	PBI	125C	
82	12	11		CSL 30L * EPS/INST * LM	PBI	126C	
82	12	12		CSL 30R * EPS/INST * LM	PBI	126C	
82	12	13		CSL 33L * BSTR/PLSS	PBI	129C	
82	12	14		CSL 33R * BSTR/PLSS	PBI	129C	
82	12	15		(BLANK)	PBI	043U	
82	12	16		(BLANK)	PBI	043U	
82	12	17		(BLANK)	PBI	043U	
82	12	18		(BLANK)	PBI	043U	
82	17	01U	A	GH1621X-1 * AGS SEL	MOC	GH1621	
82	17	01L	A	GH1641X-1 * AGS AUTO	MOC	GH1641	
82	17	02U	A	931C30101 * AGS SEL	MOC	LCH30B10	
82	17	02L	A	GH1643X-1 * PNGS AUTO	MOC	GH1643	
82	17	03U	A	GH1348X-1 * DPS ARM	MOC	GH1348	
82	17	03L	A	GI45B11-0 * DPS ON	MOC	DW1B11	
82	17	04U	A	GH1230X-1 * APS ARM	MOC	GH1230	
82	17	04L	A	GI45B12-0 * APS ON	MOC	DW1B12	
82	17	05U	G	912C12091 * +P GBLTRM	MOC	LCH12B09	
82	17	05L	G	912C12101 * -P GBLTRM	MOC	LCH12B10	
82	17	06U	R	GH1323X-1 * P TRM FL	MOC	GH1323	
82	17	06L	R	GH1330X-1 * R TRM FL	MOC	GH1330	
82	17	07U	A	GH1642X-1 * AGS HOLD	MOC	GH1642	
82	17	07L	R	GL4028X-0 * AGS FAIL	MOC	GL4028	
82	17	08U	A	GH1644X-1 * PNGS HOLD	MOC	GH1644	
82	17	08L	R	PGNS MODE * FAIL	MOC	LEM05E	
82	17	09U	G	911C11131 * ENG ON	MOC	LCH11B13	
82	17	09L	G	911C11140 * NO ENGOFF	MOC	LCH11B14	
82	17	10U	G	GH1214X-1 * AUTO ON	MOC	GH1214	
82	17	10L	G	GH1217X-0 * NO AUTOFF	MOC	GH1217	
82	17	11U	G	912C12111 * +R GBLTRM	MOC	LCH12B11	
82	17	11L	G	912C12121 * -R GBLTRM	MOC	LCH12B12	
82	17	12U	R	941C32090 * GMBL OFF	MOC	LCH32B09	
82	17	12L	R	941C32100 * TRIM FAIL	MOC	LCH32B10	
82	17	13U	A	GI3305X-1 * AGS WARMUP	MOC	GI3305	
82	17	13L	G	GI45B10-0 * AGS AUTO	MOC	DW1B10	
82	17	14U	A	GI3306X-1 * AGS STBY	MOC	GI3306	
82	17	14L	G	GI45B09-0 * FOLLOW UP	MOC	DW1B09	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
82	17	15U	G	GH1301X-1 * DPS ON	MOC	GH1301	
82	17	15L	A	GH1286X-1 * FIRE O/R	MOC	GH1286	
82	17	16U	G	GH1260X-1 * APS ON	MOC	GH1260	
82	17	16L	A	GH1283X-1 * ABRT STGD	MOC	GH1283	
82	17	17U	A	GH1204X-1 * OUT DET	MOC	GH1204	
82	17	17L	A	932C31150 * OUT DETNT	MOC	LCH31B15	
82	17	18U	R	GL4026X-0 * CES AC FL	MOC	GL4026	
82	17	18L	R	GL4027X-0 * CES DC FL	MOC	GL4027	
82	18	01U	R	GI-31 * TEST FAIL	MOC	AGS01E	
82	18	01L	R	GI3301T * ASA TEMP	MOC	GI3301	
82	18	02U	R	502K11061 * GMBL LOCK	MOC	LDT11B06	
82	18	02L	A	912C12041 * COAR ALGN	MOC	LCH12B04	
82	18	03U	A	GI45B14-0 * ABRT STGD	MOC	DW1B14	
82	18	03L	A	GH1628X-1 * R PLS/DIR	MOC	GH1628	
82	18	04U	A	931C30040 * ABRT STG	MOC	LCH30B04	
82	18	04L	A	GH1629X-1 * P PLS/DIR	MOC	GH1629	
82	18	05U	A	412F05131 * NO U-VJET	MOC	LFW5B13	
82	18	05L	A	GH1630X-1 * Y PLSD/DIR	MOC	GH1630	
82	18	06U	R	GG9002X-1 * ISS WARN	MOC	GG9002	
82	18	06L	R	942C33140 * LGC WARN	MOC	LCH33B14	
82	18	07U	R	GG2300T * PIPA T	MOC	GG2300	
82	18	07L	R	GN7563T * LR ANT T	MOC	GN7563	
82	18	08U	A	LR RNG * BD	MOC	LGC18E	
82	18	08L	A	LR VEL * BD	MOC	LGC19E	
82	18	09U	A	GH1896X-1 * UNBAL CPL	MOC	GH1896	
82	18	09L	A	921C13111 * LGC STBY	MOC	LCH13B11	
82	18	10U	A	GH1603X-0 * MIN DBND	MOC	GH1603	
82	18	10L	A	DAP OFF	MOC	LGC22E	
82	18	11U	A	GH1893X-0 * X TRS O/R	MOC	GH1893	
82	18	11L	A	GG1513X-0 * IMU OFF	MOC	GG1513	
82	18	12U	R	931C30130 * IMU FAIL	MOC	LCH30B13	
82	18	12L	R	942C33130 * PIPA FAIL	MOC	LCH33B13	
82	18	13U	R	GN7723T * RR ANT T	MOC	GN7723	
82	18	13L	R	931C30151 * TEMP CAUT	MOC	LCH30B15	
82	18	14U	A	GN7621X-1 * NO TRACK	MOC	GN7621	
82	18	14L	A	RR * CAUT	MOC	LGC09E	
82	18	15U	A	GG1523X-0 * NOLGC OP	MOC	GG1523	
82	18	15L	A	PGNCS MODE * OFF	MOC	LGC20E	
82	18	16U	A	502K11091 * PROG CAUT	MOC	LDT11B09	
82	18	16L	A	812I33061 * NODAP IMU	MOC	LIM33B06	
82	18	17U	A	931C30091 * NOIMUOPER	MOC	LCH30B09	
82	18	17L	A	931C30021 * STAGED	MOC	LCH30B02	
82	18	18U	R	931C30120 * ICDU FAIL	MOC	LCH30B12	
82	18	18L	R	931C30070 * RCDU FAIL	MOC	LCH30B07	
82	21					043B	23
82	21	01		CSL 11L * FDO	PBI	113C	
82	21	02		CSL 11R * FDO	PBI	113C	
82	21	03		CSL 12L * GUIDO	PBI	114C	
82	21	04		CSL 12C * GUIDO	PBI	114C	
82	21	05		CSL 12R * GUIDO	PBI	114C	
82	21	06		CSL 13L * RETRO	PBI	115C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
82	21	07		CSL 13R * RETRO	PBI	115C	
82	21	08		(BLANK)	PBI	043U	
82	21	09		(BLANK)	PBI	043U	
82	21	10		(BLANK)	PBI	043U	
82	21	11		(BLANK)	PBI	043U	
82	21	12		(BLANK)	PBI	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	03	01	W	1A	ALCS	1A130	
84	03	01	W	1B	ALCS	1B30	
84	03	01	W	2A	ALCS	2A116	
84	03	01	W	2B	ALCS	2B16	
84	03	01	W	3A	ALCS	3A151	
84	03	01	W	3B	ALCS	3B51	
84	03	01	W	4A	ALCS	4A25	
84	03	01	W	4B	ALCS	4B65	
84	03	01		(BLANK)	ALCS	043U	
84	03	01		(BLANK)	ALCS	043U	
84	03	02	W	1	ALCS	ALSP001	
84	03	02	W	2	ALCS	ALSP002	
84	03	02	W	3	ALCS	ALSP003	
84	03	02	W	4	ALCS	ALSP004	
84	03	02	W	5	ALCS	ALSP005	
84	03	02	W	6	ALCS	ALSP006	
84	03	02	W	7	ALCS	ALSP007	
84	03	02		(BLANK)	ALCS	043U	
84	03	02		(BLANK)	ALCS	043U	
84	03	02	W	0	ALCS	ALSP010	
84	03	03	W	1	ALCS	ALSP001	
84	03	03	W	2	ALCS	ALSP002	
84	03	03	W	3	ALCS	ALSP003	
84	03	03	W	4	ALCS	ALSP004	
84	03	03	W	5	ALCS	ALSP005	
84	03	03	W	6	ALCS	ALSP006	
84	03	03	W	7	ALCS	ALSP007	
84	03	03		(BLANK)	ALCS	043U	
84	03	03		(BLANK)	ALCS	043U	
84	03	03	W	0	ALCS	ALSP010	
84	03	04	W	1	ALCS	ALSP001	
84	03	04	W	2	ALCS	ALSP002	
84	03	04	W	3	ALCS	ALSP003	
84	03	04	W	4	ALCS	ALSP004	
84	03	04	W	5	ALCS	ALSP005	
84	03	04	W	6	ALCS	ALSP006	
84	03	04	W	7	ALCS	ALSP007	
84	03	04		(BLANK)	ALCS	043U	
84	03	04		(BLANK)	ALCS	043U	
84	03	04	W	0	ALCS	ALSP010	
84	04	01	A	RSDP * REJECT	ALCS	REJR1	
84	04	02	R	RSDP * INVAL	ALCS	INVL1	
84	04	03	G	RSDP * VAL	ALCS	VAL1	
84	04	04	G	ALCS * CMD HIST * A INIT	ALCS	CHA	
84	04	05	G	ALCS * CMD HIST * B INIT	ALCS	CHB	
84	04	06	W	SITE * STATUS * PANEL *	ALCS	SSC	
84	04	06		CLEAR	ALCS	SSC	
84	04	07	A	GND * REJECT	ALCS	REJG	
84	04	08	R	S/C * REJECT	ALCS	REJS	
84	04	09	G	VERIFY	ALCS	VER	
84	04	10	R	ALCS * CVW HIST * A INHIB	ALCS	CHAI	
84	04	11	R	ALCS * CVW HIST * B INHIB	ALCS	CHBI	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	04	12	G	CCATS * UP	ALCS	CTUP	
84	04	13	A	STREU * CMD	ALCS	STCMD	
84	04	14		(BLANK)	ALCS	043U	
84	04	15		(BLANK)	ALCS	043U	
84	04	16		(BLANK)	ALCS	043U	
84	04	17	R	MED A * ADVISORY * INHIBIT	ALCS	MAAI	
84	04	18	R	INVAL * REQUEST	ALCS	INVC	
84	05	01U	G	MIL	ALCS	SS11	
84	05	01L	G	USB	ALCS	SS21	
84	05	02U		(BLANK)	ALCS	043U	
84	05	02L		(BLANK)	ALCS	043U	
84	05	03U		(BLANK)	ALCS	043U	
84	05	03L		(BLANK)	ALCS	043U	
84	05	04U	A	BDA	ALCS	SS14	
84	05	04L	G	USB	ALCS	SS24	
84	05	05U	B	ACN	ALCS	SS15	
84	05	05L	G	USB	ALCS	SS25	
84	05	06U	A	CYI	ALCS	SS16	
84	05	06L	G	USB	ALCS	SS26	
84	05	07U	W	MAD	ALCS	SS17	
84	05	07L	G	USB	ALCS	SS27	
84	05	08U	B	CRO	ALCS	SS18	
84	05	08L	G	USB	ALCS	SS28	
84	05	09U	W	HSK	ALCS	SS19	
84	05	09L	G	USB	ALCS	SS29	
84	05	10U	B	GMW	ALCS	SS110	
84	05	10L	G	USB	ALCS	SS210	
84	05	11U	B	HAW	ALCS	SS111	
84	05	11L	G	USB	ALCS	SS211	
84	05	12U	W	GDS	ALCS	SS112	
84	05	12L	G	USB	ALCS	SS212	
84	05	13U	A	GYM	ALCS	SS113	
84	05	13L	G	USB	ALCS	SS213	
84	05	14U	A	TEX	ALCS	SS114	
84	05	14L	G	USB	ALCS	SS214	
84	05	15U	W	CVW 1	ALCS	CW56A	
84	05	15L	W	CVW 2	ALCS	CW56B	
84	05	16U	W	CVW 3	ALCS	CW56C	
84	05	16L	W	CVW 4	ALCS	CW56D	
84	05	17U		(BLANK)	ALCS	043U	
84	05	17L		(BLANK)	ALCS	043U	
84	05	18U		(BLANK)	ALCS	043U	
84	05	18L		(BLANK)	ALCS	043U	
84	10	01U		(BLANK)	ALCS	043U	
84	10	01L		(BLANK)	ALCS	043U	
84	10	02U		(BLANK)	ALCS	043U	
84	10	02L		(BLANK)	ALCS	043U	
84	10	03U		(BLANK)	ALCS	043U	
84	10	03L		(BLANK)	ALCS	043U	
84	10	04U		(BLANK)	ALCS	043U	
84	10	04L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	10	05U		(BLANK)	ALCS	043U	
84	10	05L		(BLANK)	ALCS	043U	
84	10	06U		(BLANK)	ALCS	043U	
84	10	06L		(BLANK)	ALCS	043U	
84	10	07U		(BLANK)	ALCS	043U	
84	10	07L		(BLANK)	ALCS	043U	
84	10	08U		(BLANK)	ALCS	043U	
84	10	08L		(BLANK)	ALCS	043U	
84	10	09U		(BLANK)	ALCS	043U	
84	10	09L		(BLANK)	ALCS	043U	
84	10	10U		(BLANK)	ALCS	043U	
84	10	10L		(BLANK)	ALCS	043U	
84	10	11U		(BLANK)	ALCS	043U	
84	10	11L		(BLANK)	ALCS	043U	
84	10	12U		(BLANK)	ALCS	043U	
84	10	12L		(BLANK)	ALCS	043U	
84	10	13U		(BLANK)	ALCS	043U	
84	10	13L		(BLANK)	ALCS	043U	
84	10	14U		(BLANK)	ALCS	043U	
84	10	14L		(BLANK)	ALCS	043U	
84	10	15U		(BLANK)	ALCS	043U	
84	10	15L		(BLANK)	ALCS	043U	
84	10	16U		(BLANK)	ALCS	043U	
84	10	16L		(BLANK)	ALCS	043U	
84	10	17U		(BLANK)	ALCS	043U	
84	10	17L		(BLANK)	ALCS	043U	
84	10	18U		(BLANK)	ALCS	043U	
84	10	18L		(BLANK)	ALCS	043U	
84	12	01U	R	POLY * FAIL	ALCS	B600	
84	12	01L		(BLANK)	ALCS	043U	
84	12	02U	R	SOURCE * FAIL	ALCS	B24	
84	12	02L		(BLANK)	ALCS	043U	
84	12	03U	R	DEST * FLAG	ALCS	B32	
84	12	03L		(BLANK)	ALCS	043U	
84	12	04U	R	FORMAT * FLAG	ALCS	B40	
84	12	04L		(BLANK)	ALCS	043U	
84	12	05U	R	SEGMENT * FLAG	ALCS	B54	
84	12	05L		(BLANK)	ALCS	043U	
84	12	06U	R	FORCED * MODE	ALCS	B559	
84	12	06L		(BLANK)	ALCS	043U	
84	12	07U	R	ICU * OVERWRITE	ALCS	B604	
84	12	07L		(BLANK)	ALCS	043U	
84	12	08U		(BLANK)	ALCS	043U	
84	12	08L		(BLANK)	ALCS	043U	
84	12	09U	R	MESSAGE * FLAG	ALCS	B48	
84	12	09L		(BLANK)	ALCS	043U	
84	12	10U	R	COUNTER * FLAG	ALCS	CNTF	
84	12	10L		(BLANK)	ALCS	043U	
84	12	11U	R	NO DATA * RECEIVED	ALCS	NDR	
84	12	11L		(BLANK)	ALCS	043U	
84	12	12U		(BLANK)	ALCS	043U	
84	12	12L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	12	13	G	ALCS * CYCLING	ALCS	CYCL	
84	12	14U		(BLANK)	ALCS	043U	
84	12	14L		(BLANK)	ALCS	043U	
84	12	15U		(BLANK)	ALCS	043U	
84	12	15L		(BLANK)	ALCS	043U	
84	12	16U		(BLANK)	ALCS	043U	
84	12	16L		(BLANK)	ALCS	043U	
84	12	17U		(BLANK)	ALCS	043U	
84	12	17L		(BLANK)	ALCS	043U	
84	12	18U		(BLANK)	ALCS	043U	
84	12	18L		(BLANK)	ALCS	043U	
84	13	01U	R	SEQUENCE * ERROR	ALCS	ERR1	
84	13	01L		(BLANK)	ALCS	043U	
84	13	02U	R	LENGTH * ERROR	ALCS	ERR2	
84	13	02L		(BLANK)	ALCS	043U	
84	13	03U	R	SEGMENT * ERROR	ALCS	ERR3	
84	13	03L		(BLANK)	ALCS	043U	
84	13	04U	R	INTER CP * ERROR	ALCS	ERR4	
84	13	04L		(BLANK)	ALCS	043U	
84	13	05U	R	PARITY * ERROR	ALCS	ERR5	
84	13	05L		(BLANK)	ALCS	043U	
84	13	06U	R	CHECKSUM * ERROR	ALCS	AKPE	
84	13	06L	G	ACK * RCVD	ALCS	AKRC	
84	13	07U	R	MIL * OVERLOAD	ALCS	INOV1	
84	13	07L	R	BDA * OVERLOAD	ALCS	INOV2	
84	13	08U	R	ACN * OVERLOAD	ALCS	INOV3	
84	13	08L	R	CYI * OVERLOAD	ALCS	INOV4	
84	13	09U	R	MAD * OVERLOAD	ALCS	INOV5	
84	13	09L	R	CRO * OVERLOAD	ALCS	INOV6	
84	13	10U	R	HSK * OVERLOAD	ALCS	INOV7	
84	13	10L	R	GWM * OVERLOAD	ALCS	INOV8	
84	13	11U	R	HAW * OVERLOAD	ALCS	INOV9	
84	13	11L	R	GDS * OVERLOAD	ALCS	INOV10	
84	13	12U	R	GYM * OVERLOAD	ALCS	INOV11	
84	13	12L	R	TEX * OVERLOAD	ALCS	INOV12	
84	13	13U	A	LFI	ALCS	OST-1	
84	13	13L	A	FILL	ALCS	OST-5	
84	13	14U	A	LIVE	ALCS	OST-2	
84	13	14L	A	STATIC	ALCS	OST-2	
84	13	15U	A	REAL * TIME	ALCS	OST-3	
84	13	15L	A	PLAYBACK	ALCS	OST-3	
84	13	16U	A	MISSION	ALCS	OST-10	
84	13	16L	A	TEST	ALCS	OST-10	
84	13	17U		(BLANK)	ALCS	043U	
84	13	17L		(BLANK)	ALCS	043U	
84	13	18U		(BLANK)	ALCS	043U	
84	13	18L		(BLANK)	ALCS	043U	
84	14	01U	W	READ * CALS A	ALCIM	LC1	
84	14	01L	W	LIMITS * ALSEP A	ALCS	LC2	
84	14	02U	W	READ * CALS B	ALCIM	LC3	
84	14	02L	W	LIMITS * ALSEP B	ALCS	LC4	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	14	03U	W	SIDE * E/O A	ALCIM	LC5	
84	14	03L	W	MAIN * E/O A	ALCS	LC6	
84	14	04U	W	SIDE * E/O B	ALCIM	LC7	
84	14	04L	W	MAIN * E/O B	ALCS	LC8	
84	14	05U	W	REAL TIME	ALCIM	LC9	
84	14	05L	W	DELOG ICU	ALCS	LC10	
84	14	06U	W	END-OF- * FILE	ALCIM	LC11	
84	14	06L	W	LOG TAPE	ALCS	LC12	
84	14	07U	W	AUTO * PRINT A	ALCIM	LC13	
84	14	07L	R	OFF * ALSEP A	ALCS	LC14	
84	14	08U	W	AUTO * PRINT B	ALCIM	LC15	
84	14	08L	R	OFF * ALSEP B	ALCS	LC16	
84	14	09U	W	ACCEPT	ALCIM	LC17	
84	14	09L	R	TEST * DATA	ALCS	LC18	
84	14	10U	W	DISABLE 1	ALCIM	LC19	
84	14	10L	R	POLY * TEST	ALCS	LC20	
84	14	11U	W	DISABLE 2	ALCIM	LC21	
84	14	11L	R	DEST * TEST	ALCS	LC22	
84	14	12U	W	WRITE CAL	ALCIM	LC23	
84	14	12L	R	TAPE A	ALCS	LC24	
84	14	13U	W	LIMITS A	ALCIM	LC25	
84	14	13L	R	OFF * ALSEP A	ALCS	LC26	
84	14	14U	W	LIMITS B	ALCIM	LC27	
84	14	14L	R	OFF * ALSEP B	ALCS	LC28	
84	14	15U	W	BARKER * CODE	ALCIM	LC29	
84	14	15L	R	TEST * INHIBIT	ALCS	LC30	
84	14	16U	W	MED B * ADVISORY	ALCIM	LC31	
84	14	16L	R	INHIBIT	ALCS	LC32	
84	14	17U	W	CLEAR	ALCIM	LC33	
84	14	17L	W	LACHED * LITES	ALCS	LC34	
84	14	18U	W	WRITE CAL	ALCIM	LC35	
84	14	18L	R	TAPE B	ALCS	LC36	
84	15	01		FORMAT * 1	ALCIM	ALSPF01	
84	15	02		FORMAT * 2	ALCIM	ALSPF02	
84	15	03		(BLANK)	ALCIM	043U	
84	15	04		DRUM * RECORDER * GROUP 1	ALCIM	AM4	
84	15	05		DRUM * RECORDER * GROUP 2	ALCIM	AM5	
84	15	06		RECORDER * 5	ALCIM	AM6	
84	15	07		FORMAT * 3	ALCIM	ALSPF03	
84	15	08		FORMAT * 4	ALCIM	ALSPF04	
84	15	09		FORMAT * 5	ALCIM	ALSPF05	
84	15	10		ALSEP * 1	ALCIM	ALSP01	
84	15	11		ALSEP * 2	ALCIM	ALSP02	
84	15	12U		CLEAR	PBI	LC33	
84	15	12L	W	INVAL * REQUEST	ALCS	INVA	
84	15	13		FORMAT * 6	ALCIM	ALSPF06	
84	15	14		FORMAT * 7	ALCIM	ALSPF07	
84	15	15		FORMAT * 8	ALCIM	ALSPF08	
84	15	16		ALSEP * 3	ALCIM	ALSP03	
84	15	17		ALSEP * 4	ALCIM	ALSP04	
84	15	18		EXECUTE	PBI	ALSPEX	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	18	01	G	MIL	ALCIM	SS11	43
84	18	01			ALCIM	043B	
84	18	02		(BLANK)	ALCIM	043U	
84	18	02			ALCIM	043B	
84	18	03		(BLANK)	ALCIM	043U	
84	18	03			ALCIM	043B	
84	18	04	A	BDA	ALCIM	SS14	43
84	18	04			ALCIM	043B	
84	18	05	B	ACN	ALCIM	SS15	43
84	18	05			ALCIM	043B	
84	18	06	A	CYI	ALCIM	SS16	43
84	18	06			ALCIM	043B	
84	18	07	W	MAD	ALCIM	SS17	43
84	18	07			ALCIM	043B	
84	18	08	B	CRO	ALCIM	SS18	43
84	18	08			ALCIM	043B	
84	18	09	W	HSK	ALCIM	SS19	43
84	18	09			ALCIM	043B	
84	18	10	B	GMW	ALCIM	SS110	43
84	18	10			ALCIM	043B	43
84	18	11	B	HAW	ALCIM	SS111	43
84	18	11			ALCIM	043B	
84	18	12	W	GDS	ALCIM	SS112	43
84	18	12			ALCIM	043B	
84	18	13	A	GYM	ALCIM	SS113	43
84	18	13			ALCIM	043B	
84	18	14	A	TEX	ALCIM	SS114	43
84	18	14			ALCIM	043B	
84	18	15		(BLANK)	ALCIM	043U	
84	18	15			ALCIM	043B	
84	18	16		(BLANK)	ALCIM	043U	
84	18	16			ALCIM	043B	
84	18	17		(BLANK)	ALCIM	043U	
84	18	17			ALCIM	043B	
84	18	18	R	SELECT * CLEAR	ALCIM	ALSPSC	43
84	18	18			ALCIM	043B	
84	21	01U	G	FC	ALCS	FCM	25
84	21	01L	R	M&O	ALCS	MOM	25
84	23	01	W	LEFT * CH 60	PBI	113L	
84	23	02	W	LEFT * CH 74	PBI	114L	
84	23	03	W	LEFT * CH 75	PBI	115L	
84	23	04	W	LEFT * CH 79	PBI	116L	
84	23	05	W	LEFT * CH 43	PBI	112L	
84	23	06		(BLANK)	PBI	043U	61
84	23	07	W	RIGHT * CH 57	PBI	033R	
84	23	08	W	RIGHT * CH 77	PBI	034R	
84	23	09	W	RIGHT * CH 78	PBI	035R	
84	23	10		(BLANK)	PBI	043U	61
84	23	11		(BLANK)	PBI	043U	61
84	23	12		(BLANK)	PBI	043U	61

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	24	01U	W	MIL	ALCS	S100	
84	24	01L	R	FLAG	ALCS	ERRN	
84	24	02U		(BLANK)	ALCS	043U	
84	24	02L		(BLANK)	ALCS	043U	
84	24	03U		(BLANK)	ALCS	043U	
84	24	03L		(BLANK)	ALCS	043U	
84	24	04U	W	BDA	ALCS	S114	
84	24	04L	R	FLAG	ALCS	ERRN	
84	24	05U	W	ACN	ALCS	S117	
84	24	05L	R	FLAG	ALCS	ERRN	
84	24	06U	W	CYI	ALCS	S121	
84	24	06L	R	FLAG	ALCS	ERRN	
84	24	07U	W	MAD	ALCS	S122	
84	24	07L	R	FLAG	ALCS	ERRN	
84	24	08U	W	CRO	ALCS	S244	
84	24	08L	R	FLAG	ALCS	ERRN	
84	24	09U	W	HSK	ALCS	S247	
84	24	09L	R	FLAG	ALCS	ERRN	
84	24	10U	W	GWM	ALCS	S253	
84	24	10L	R	FLAG	ALCS	ERRN	
84	24	11U	W	HAW	ALCS	S255	
84	24	11L	R	FLAG	ALCS	ERRN	
84	24	12U	W	GDS	ALCS	S260	
84	24	12L	R	FLAG	ALCS	ERRN	
84	24	13U	W	GYM	ALCS	S256	
84	24	13L	R	FLAG	ALCS	ERRN	
84	24	14U	W	TEX	ALCS	S263	
84	24	14L	R	FLAG	ALCS	ERRN	
84	24	15U		(BLANK)	ALCS	043U	
84	24	15L		(BLANK)	ALCS	043U	
84	24	16U		(BLANK)	ALCS	043U	
84	24	16L		(BLANK)	ALCS	043U	
84	24	17U		(BLANK)	ALCS	043U	
84	24	17L		(BLANK)	ALCS	043U	
84	24	18U		(BLANK)	ALCS	043U	
84	24	18L		(BLANK)	ALCS	043U	
84	25	01U	R	LFI	ALCS	ST-1	
84	25	01L	R	FILL	ALCS	ST-5	
84	25	02U	W	LIVE	ALCS	ST-2	
84	25	02L	R	STATIC	ALCS	ST-2	
84	25	03U	W	REAL TIME	ALCS	ST-3	
84	25	03L	R	PLAYBACK * DATA	ALCS	ST-3	
84	25	04U	W	USB REC * LOCK B6	ALCS	ST-6	
84	25	04L	W	USB REC * LOCK B7	ALCS	ST-7	
84	25	05U	W	MISSION	ALCS	ST-10	
84	25	05L	R	TEST	ALCS	ST-10	
84	25	06U	R	DTU NO * SYNC	ALCS	ST-4	
84	25	06L	R	ALSEP ID * FLAG	ALCS	ST-89	
84	25	07U	G	MAIN FRME * SYNC	ALCS	DA-1	
84	25	07L	G	90 FRAME * SYNC	ALCS	DA-2	
84	25	08U	G	LSM SYNC	ALCS	DM-30	
84	25	08L	R	LOW BIT * RATE	ALCS	CW2	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	25	09U	G	SIDE SYNC	ALCS	DI-1	
84	25	09L	R	SIDE * PARITY	ALCS	DI-9	
84	25	10U	G	SWS SYNC	ALCS	DW-1	
84	25	10L	G	CCGE SYNC	ALCS	DG-4	
84	25	11U	G	HBR * SYNC	ALCS	AS-39	
84	25	11L	G	0-15 * COUNTER	ALCS	AS-40	
84	25	12U	G	ALSEP 1	ALCS	CW4A	
84	25	12L	G	ALSEP A2	ALCS	CW4B	
84	25	13U	R	SID/CCG C * DISABLE 1	ALCS	DIS1	
84	25	13L	R	SID/CCG W * DISABLE 2	ALCS	DIS2	
84	25	14U	R	PSE C * DISABLE 3	ALCS	DIS3	
84	25	14L	R	PSE W * DISABLE 4	ALCS	DIS4	
84	25	15U	R	LSM C/HFE * DISABLE 5	ALCS	DIS5	
84	25	15L	R	LSM W * DISABLE 6	ALCS	DIS6	
84	25	16U	R	SWS/CPL C * DISABLE 7	ALCS	DIS7	
84	25	16L	R	SWS/CPL W * DISABLE 8	ALCS	DIS8	
84	25	17U		(BLANK)	ALCS	043U	
84	25	17L		(BLANK)	ALCS	043U	
84	25	18U	G	ALSEP 3	ALCS	CW4C	
84	25	18L	G	ALSEP 4	ALCS	CW4D	
84	26	01U	W	MIL	ALCS	S100	
84	26	01L	R	FLAG	ALCS	ERRN	
84	26	02U		(BLANK)	ALCS	043U	
84	26	02L		(BLANK)	ALCS	043U	
84	26	03U		(BLANK)	ALCS	043U	
84	26	03L		(BLANK)	ALCS	043U	
84	26	04U	W	BDA	ALCS	S114	
84	26	04L	R	FLAG	ALCS	ERRN	
84	26	05U	W	ACN	ALCS	S117	
84	26	05L	R	FLAG	ALCS	ERRN	
84	26	06U	W	CYI	ALCS	S121	
84	26	06L	R	FLAG	ALCS	ERRN	
84	26	07U	W	MAD	ALCS	S122	
84	26	07L	R	FLAG	ALCS	ERRN	
84	26	08U	W	CRO	ALCS	S244	
84	26	08L	R	FLAG	ALCS	ERRN	
84	26	09U	W	HSK	ALCS	S247	
84	26	09L	R	FLAG	ALCS	ERRN	
84	26	10U	W	GWM	ALCS	S253	
84	26	10L	R	FLAG	ALCS	ERRN	
84	26	11U	W	HAW	ALCS	S255	
84	26	11L	R	FLAG	ALCS	ERRN	
84	26	12U	W	GDS	ALCS	S260	
84	26	12L	R	FLAG	ALCS	ERRN	
84	26	13U	W	GYM	ALCS	S256	
84	26	13L	R	FLAG	ALCS	ERRN	
84	26	14U	W	TEX	ALCS	S263	
84	26	14L	R	FLAG	ALCS	ERRN	
84	26	15U		(BLANK)	ALCS	043U	
84	26	15L		(BLANK)	ALCS	043U	
84	26	16U		(BLANK)	ALCS	043U	
84	26	16L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	26	17U		(BLANK)	ALCS	043U	
84	26	17L		(BLANK)	ALCS	043U	
84	26	18U		(BLANK)	ALCS	043U	
84	26	18L		(BLANK)	ALCS	043U	
84	27	01U	R	LFI	ALCS	ST-1	
84	27	01L	R	FILL	ALCS	ST-5	
84	27	02U	W	LIVE	ALCS	ST-2	
84	27	02L	R	STATIC	ALCS	ST-2	
84	27	03U	W	REAL TIME	ALCS	ST-3	
84	27	03L	R	PLAYBACK * DATA	ALCS	ST-3	
84	27	04U	W	USB REC * LOCK B6	ALCS	ST-6	
84	27	04L	W	USB REC * LOCK B7	ALCS	ST-7	
84	27	05U	W	MISSION	ALCS	ST-10	
84	27	05L	R	TEST	ALCS	ST-10	
84	27	06U	R	DTU NO * SYNC	ALCS	ST-4	
84	27	06L	R	ALSEP ID * FLAG	ALCS	ST-89	
84	27	07U	G	MAIN FRME * SYNC	ALCS	DA-1	
84	27	07L	G	90 FRAME * SYNC	ALCS	DA-2	
84	27	08U	G	LSM SYNC	ALCS	DM-30	
84	27	08L	R	LOW BIT * RATE	ALCS	CW2	
84	27	09U	G	SIDE SYNC	ALCS	DI-1	
84	27	09L	R	SIDE * PARITY	ALCS	DI-9	
84	27	10U	G	SWS SYNC	ALCS	DW-1	
84	27	10L	G	CCGE SYNC	ALCS	DG-4	
84	27	11U	G	HBR * SYNC	ALCS	AS-39	
84	27	11L	G	0-15 * COUNTER	ALCS	AS-40	
84	27	12U	G	ALSEP 1	ALCS	CW4A	
84	27	12L	G	ALSEP A2	ALCS	CW4B	
84	27	13U	R	SID/CCG C * DISABLE 1	ALCS	DIS1	
84	27	13L	R	SID/CCG W * DISABLE 2	ALCS	DIS2	
84	27	14U	R	PSE C * DISABLE 3	ALCS	DIS3	
84	27	14L	R	PSE W * DISABLE 4	ALCS	DIS4	
84	27	15U	R	LSM C/HFE * DISABLE 5	ALCS	DIS5	
84	27	15L	R	LSM W * DISABLE 6	ALCS	DIS6	
84	27	16U	R	SWS/CPL C * DISABLE 7	ALCS	DIS7	
84	27	16L	R	SWS/CPL W * DISABLE 8	ALCS	DIS8	
84	27	17U		(BLANK)	ALCS	043U	
84	27	17L		(BLANK)	ALCS	043U	
84	27	18U	G	ALSEP 3	ALCS	CW4C	
84	27	18L	G	ALSEP 4	ALCS	CW4D	
84	29	01U		(BLANK)	ALCS	043U	
84	29	01L		(BLANK)	ALCS	043U	
84	29	02U		(BLANK)	ALCS	043U	
84	29	02L		(BLANK)	ALCS	043U	
84	29	03U		(BLANK)	ALCS	043U	
84	29	03L		(BLANK)	ALCS	043U	
84	29	04U		(BLANK)	ALCS	043U	
84	29	04L		(BLANK)	ALCS	043U	
84	29	05U		(BLANK)	ALCS	043U	
84	29	05L		(BLANK)	ALCS	043U	
84	29	06U		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	29	06L		(BLANK)	ALCS	043U	
84	29	07U		(BLANK)	ALCS	043U	
84	29	07L		(BLANK)	ALCS	043U	
84	29	08U		(BLANK)	ALCS	043U	
84	29	08L		(BLANK)	ALCS	043U	
84	29	09U		(BLANK)	ALCS	043U	
84	29	09L		(BLANK)	ALCS	043U	
84	29	10U		(BLANK)	ALCS	043U	
84	29	10L		(BLANK)	ALCS	043U	
84	29	11U		(BLANK)	ALCS	043U	
84	29	11L		(BLANK)	ALCS	043U	
84	29	12U		(BLANK)	ALCS	043U	
84	29	12L		(BLANK)	ALCS	043U	
84	29	13U		(BLANK)	ALCS	043U	
84	29	13L		(BLANK)	ALCS	043U	
84	29	14U		(BLANK)	ALCS	043U	
84	29	14L		(BLANK)	ALCS	043U	
84	29	15U		(BLANK)	ALCS	043U	
84	29	15L		(BLANK)	ALCS	043U	
84	29	16U		(BLANK)	ALCS	043U	
84	29	16L		(BLANK)	ALCS	043U	
84	29	17U		(BLANK)	ALCS	043U	
84	29	17L		(BLANK)	ALCS	043U	
84	29	18U		(BLANK)	ALCS	043U	
84	29	18L		(BLANK)	ALCS	043U	
84	30	01U		(BLANK)	ALCS	043U	
84	30	01L		(BLANK)	ALCS	043U	
84	30	02U		(BLANK)	ALCS	043U	
84	30	02L		(BLANK)	ALCS	043U	
84	30	03U		(BLANK)	ALCS	043U	
84	30	03L		(BLANK)	ALCS	043U	
84	30	04U		(BLANK)	ALCS	043U	
84	30	04L		(BLANK)	ALCS	043U	
84	30	05U		(BLANK)	ALCS	043U	
84	30	05L		(BLANK)	ALCS	043U	
84	30	06U		(BLANK)	ALCS	043U	
84	30	06L		(BLANK)	ALCS	043U	
84	30	07U		(BLANK)	ALCS	043U	
84	30	07L		(BLANK)	ALCS	043U	
84	30	08U		(BLANK)	ALCS	043U	
84	30	08L		(BLANK)	ALCS	043U	
84	30	09U		(BLANK)	ALCS	043U	
84	30	09L		(BLANK)	ALCS	043U	
84	30	10U		(BLANK)	ALCS	043U	
84	30	10L		(BLANK)	ALCS	043U	
84	30	11U		(BLANK)	ALCS	043U	
84	30	11L		(BLANK)	ALCS	043U	
84	30	12U		(BLANK)	ALCS	043U	
84	30	12L		(BLANK)	ALCS	043U	
84	30	13U		(BLANK)	ALCS	043U	
84	30	13L		(BLANK)	ALCS	043U	
84	30	14U		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
84	30	14L		(BLANK)	ALCS	043U	
84	30	15U		(BLANK)	ALCS	043U	
84	30	15L		(BLANK)	ALCS	043U	
84	30	16U		(BLANK)	ALCS	043U	
84	30	16L		(BLANK)	ALCS	043U	
84	30	17U		(BLANK)	ALCS	043U	
84	30	17L		(BLANK)	ALCS	043U	
84	30	18U		(BLANK)	ALCS	043U	
84	30	18L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
85	01					043B	22
85	01					043B	27
85	01	01 L	A	DAC * 134A * DR#1	ACDAC	001D	
85	01	01 R	G	DAC * 138B * DR#5	ACDAC	010D	
85	01	02 L	A	DAC * 135A * DR#2	ACDAC	003D	
85	01	02 R	G	DAC * 139B * DR#6	ACDAC	012D	
85	01	03 L	A	DAC * 136A * DR#3	ACDAC	005D	
85	01	03 R	G	DAC * 140B * DR#7	ACDAC	014D	
85	01	04 L	A	DAC * 137A * DR#4	ACDAC	007D	
85	01	04 R	G	DAC * 141B * DR#8	ACDAC	016D	
85	02					043B	22
85	02					043B	27
85	02	01 L	A	DAC * 138A * DR#5	ACDAC	009D	
85	02	01 R	G	DAC * 134B * DR#1	ACDAC	002D	
85	02	02 L	A	DAC * 139A * DR#6	ACDAC	011D	
85	02	02 R	G	DAC * 135B * DR#2	ACDAC	004D	
85	02	03 L	A	DAC * 140A * DR#7	ACDAC	013D	
85	02	03 R	G	DAC * 136B * DR#3	ACDAC	006D	
85	02	04 L	A	DAC * 141A * DR#8	ACDAC	015D	
85	02	04 R	G	DAC * 137B * DR#4	ACDAC	008D	
85	03	01U	W	3RD FLOOR * TIME	PBI	ALSP3FT	
85	03	01L	W	2ND FLOOR * TIME	PBI	ALSP2FT	
85	03	02U	W	FLT.PLAN * CHAN 60	PBI	ALSPFP60	
85	03	02L	W	OP TV * CHAN 79	PBI	ALSPTV79	
85	05	01U		(BLANK)	ALCS	043U	
85	05	01L		(BLANK)	ALCS	043U	
85	05	02U		(BLANK)	ALCS	043U	
85	05	02L		(BLANK)	ALCS	043U	
85	05	03U		(BLANK)	ALCS	043U	
85	05	03L		(BLANK)	ALCS	043U	
85	05	04U		(BLANK)	ALCS	043U	
85	05	04L		(BLANK)	ALCS	043U	
85	05	05U		(BLANK)	ALCS	043U	
85	05	05L		(BLANK)	ALCS	043U	
85	05	06U		(BLANK)	ALCS	043U	
85	05	06L		(BLANK)	ALCS	043U	
85	05	07U		(BLANK)	ALCS	043U	
85	05	07L		(BLANK)	ALCS	043U	
85	05	08U		(BLANK)	ALCS	043U	
85	05	08L		(BLANK)	ALCS	043U	
85	05	09U		(BLANK)	ALCS	043U	
85	05	09L		(BLANK)	ALCS	043U	
85	05	10U		(BLANK)	ALCS	043U	
85	05	10L		(BLANK)	ALCS	043U	
85	05	11U		(BLANK)	ALCS	043U	
85	05	11L		(BLANK)	ALCS	043U	
85	05	12U		(BLANK)	ALCS	043U	
85	05	12L		(BLANK)	ALCS	043U	
85	05	13U		(BLANK)	ALCS	043U	
85	05	13L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
85	05	14U		(BLANK)	ALCS	043U	
85	05	14L		(BLANK)	ALCS	043U	
85	05	15U		(BLANK)	ALCS	043U	
85	05	15L		(BLANK)	ALCS	043U	
85	05	16U		(BLANK)	ALCS	043U	
85	05	16L		(BLANK)	ALCS	043U	
85	05	17U		(BLANK)	ALCS	043U	
85	05	17L		(BLANK)	ALCS	043U	
85	05	18U		(BLANK)	ALCS	043U	
85	05	18L		(BLANK)	ALCS	043U	
85	06	01U		(BLANK)	ALCS	043U	
85	06	01L		(BLANK)	ALCS	043U	
85	06	02U		(BLANK)	ALCS	043U	
85	06	02L		(BLANK)	ALCS	043U	
85	06	03U		(BLANK)	ALCS	043U	
85	06	03L		(BLANK)	ALCS	043U	
85	06	04U		(BLANK)	ALCS	043U	
85	06	04L		(BLANK)	ALCS	043U	
85	06	05U		(BLANK)	ALCS	043U	
85	06	05L		(BLANK)	ALCS	043U	
85	06	06U		(BLANK)	ALCS	043U	
85	06	06L		(BLANK)	ALCS	043U	
85	06	07U		(BLANK)	ALCS	043U	
85	06	07L		(BLANK)	ALCS	043U	
85	06	08U		(BLANK)	ALCS	043U	
85	06	08L		(BLANK)	ALCS	043U	
85	06	09U		(BLANK)	ALCS	043U	
85	06	09L		(BLANK)	ALCS	043U	
85	06	10U		(BLANK)	ALCS	043U	
85	06	10L		(BLANK)	ALCS	043U	
85	06	11U		(BLANK)	ALCS	043U	
85	06	11L		(BLANK)	ALCS	043U	
85	06	12U		(BLANK)	ALCS	043U	
85	06	12L		(BLANK)	ALCS	043U	
85	06	13U		(BLANK)	ALCS	043U	
85	06	13L		(BLANK)	ALCS	043U	
85	06	14U		(BLANK)	ALCS	043U	
85	06	14L		(BLANK)	ALCS	043U	
85	06	15U		(BLANK)	ALCS	043U	
85	06	15L		(BLANK)	ALCS	043U	
85	06	16U		(BLANK)	ALCS	043U	
85	06	16L		(BLANK)	ALCS	043U	
85	06	17U		(BLANK)	ALCS	043U	
85	06	17L		(BLANK)	ALCS	043U	
85	06	18U		(BLANK)	ALCS	043U	
85	06	18L		(BLANK)	ALCS	043U	
85	07	01U	G	DDDIU A * OPERATIONAL	PBI	ALSPDAO	
85	07	01L	A	DDDIU A * TEST	PBI	ALSPDAT	
85	07	02U	G	DDDIU B * OPERATIONAL	PBI	ALSPDBO	
85	07	02L	A	DDDIU B * TEST	PBI	ALSPDBT	
85	07	03	G	DACIU A * OPERATIONAL	PBI	ALSPDAAO	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
85	07	04	G	DACIU B * OPERATIONAL	PBI	ALSPDABO	
85	07	05U		(BLANK)		043U	
85	07	05L		(BLANK)		043U	
85	07	06U		(BLANK)		043U	
85	07	06L		(BLANK)		043U	
85	07	07U	G	DDDIU A * ON LINE	PBI	ALSPDAOL	
85	07	07L	A	DDDIU A * STANDBY	PBI	ALSPDAS	
85	07	08U	G	DDDIU B * ON LINE	PBI	ALSPDBOL	
85	07	08L	A	DDDIU B * STANDBY	PBI	ALSPDBS	
85	07	09	G	DACU A * ON LINE	PBI	ALSPDAAOL	
85	07	10	G	DACU B * ON LINE	PBI	ALSPDABOL	
85	07	11		(BLANK)		043U	
85	07	12		(BLANK)		043U	
85	07	13	R	DDDIU * A * ALARM	PBI	ALSPDAA	
85	07	14	R	DDDIU * B * ALARM	PBI	ALSPDBA	
85	07	15	R	DACU * A * ALARM	PBI	ALSPDAAA	
85	07	16	R	DACU * B * ALARM	PBI	ALSPDABA	
85	07	17		(BLANK)		043U	
85	07	18		(BLANK)		043U	
85	08	01		(BLANK)	ALCS	043U	
85	08	02		(BLANK)	ALCS	043U	
85	08	03		(BLANK)	ALCS	043U	
85	08	04		(BLANK)	ALCS	043U	
85	08	05U	G	ALCIM A * ON LINE	PBI	ALSPAAOL	
85	08	05L	R	ALCIM A * OFF LINE	PBI	ALSPAAOFL	
85	08	06U	G	ALCIM B * ON LINE	PBI	ALSPABOL	
85	08	06L	R	ALCIM B * OFF LINE	PBI	ALSPABOFL	
85	08	07		(BLANK)	ALCS	043U	
85	08	08		(BLANK)	ALCS	043U	
85	08	09		(BLANK)	ALCS	043U	
85	08	10		(BLANK)	ALCS	043U	
85	08	11	R	INTERLOCK * A INHIBIT	PBI	ALSPIAI	
85	08	11	G	INTERLOCK * A SET	PBI	ALSPIAS	
85	08	12	R	INTERLOCK * B INHIBIT	PBI	ALSPIBI	
85	08	12	G	INTERLOCK * B SET	PBI	ALSPIBS	
85	08	13		(BLANK)	ALCS	043U	
85	08	14		(BLANK)	ALCS	043U	
85	08	15		(BLANK)	ALCS	043U	
85	08	16		(BLANK)	ALCS	043U	
85	08	17		(BLANK)	ALCS	043U	
85	08	18		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
87	04			(ALSEP-1)		ALSP01	
87	04					043B	
87	04	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
87	04	01L	G	90 FRAME * SYNC	ALCS	DA-2	
87	04	02U	G	NORM BIT * RATE	ALCS	CW1	
87	04	02L	G	LOW BIT * RATE	ALCS	CW2	
87	04	03U	A	EXP1 STBY * STATUS	ALCS	CS13	
87	04	03L	A	EXP2 STBY * STATUS	ALCS	CS14	
87	04	03				043B	
87	04	03		(ALSEP-2A)		ALSP02	
87	04	03				043B	
87	04	04U	G	MAIN FRME * SYNC	ALCS	DA-1	
87	04	04L	G	90 FRAME * SYNC	ALCS	DA-2	
87	04	05U	G	NORM BIT * RATE	ALCS	CW1	
87	04	05L	G	LOW BIT * RATE	ALCS	CW2	
87	04	06U	A	EXP1 STBY * STATUS	ALCS	CS13	
87	04	06L		(BLANK)	ALCS	043U	
87	04	06				043B	
87	04	06		(ALSEP-1)		ALSP01	
87	04	06				043B	
87	04	07U	G	PCU 1	ALCS	CS8	
87	04	07L	R	RES PWR 1	ALCS	CS6	
87	04	08U	G	REAL TIME	ALCS	ST-3	
87	04	08L	G	PLAYBACK * DATA	ALCS	ST-3	
87	04	09U	A	EXP3 STBY * STATUS	ALCS	CS15	
87	04	09L	A	EXP4 STBY * STATUS	ALCS	CS16	
87	04	09				043B	
87	04	09		(ALSEP-2A)		ALSP02	
87	04	09				043B	
87	04	10U	G	PCU 1	ALCS	CS8	
87	04	10L	R	RES PWR 1	ALCS	CS6	
87	04	11U	G	REAL TIME	ALCS	ST-3	
87	04	11L	G	PLAYBACK * DATA	ALCS	ST-3	
87	04	12U		(BLANK)	ALCS	043U	
87	04	12L		(BLANK)	ALCS	043U	
87	04	12				043B	
87	04	12		(ALSEP-1)		ALSP01	
87	04	12				043B	
87	04	13U	G	PCU 2	ALCS	CS9	
87	04	13L	R	RES PWR 2	ALCS	CS7	
87	04	14U	G	XMTR A	ALCS	CS10	
87	04	14L	G	XMTR B	ALCS	CS11	
87	04	15U		(BLANK)	ALCS	043U	
87	04	15L		(BLANK)	ALCS	043U	
87	04	15				043B	
87	04	15		(ALSEP-2A)		ALSP02	
87	04	15				043B	
87	04	16U	G	PCU 2	ALCS	CS9	
87	04	16L	R	RES PWR 2	ALCS	CS7	
87	04	17U	G	XMTR A	ALCS	CS10	
87	04	17L	G	XMTR B	ALCS	CS11	
87	04	18U		(BLANK)	ALCS	043U	
87	04	18L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
87	05			(ALSEP-3)		ALSP03	
87	05					043B	
87	05	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
87	05	01L	G	90 FRAME * SYNC	ALCS	DA-2	
87	05	02U	G	NORM BIT * RATE	ALCS	CW1	
87	05	02L	G	LOW BIT * RATE	ALCS	CW2	
87	05	03U	A	EXP1 STBY * STATUS	ALCS	CS13	
87	05	03L	A	EXP2 STBY * STATUS	ALCS	CS14	
87	05	03				043B	
87	05	03		(ALSEP-4)		ALSP04	
87	05	03				043B	
87	05	04U	G	MAIN FRME * SYNC	ALCS	DA-1	
87	05	04L	G	90 FRAME * SYNC	ALCS	DA-2	
87	05	05U	G	NORM BIT * RATE	ALCS	CW1	
87	05	05L	G	LOW BIT * RATE	ALCS	CW2	
87	05	06U	A	EXP1 STBY * STATUS	ALCS	CS13	
87	05	06L	A	EXP2 STBY * STATUS	ALCS	CS14	
87	05	06				043B	
87	05	06		(ALSEP-3)		ALSP03	
87	05	06				043B	
87	05	07U	G	PCU 1	ALCS	CS8	
87	05	07L	R	RES PWR 1	ALCS	CS6	
87	05	08U	G	LIVE DATA	ALCS	ST-3	
87	05	08L	G	PLAYBACK * DATA	ALCS	ST-3	
87	05	09U	A	EXP3 STBY * STATUS	ALCS	CS15	
87	05	09L	A	EXP4 STBY * STATUS	ALCS	CS16	
87	05	09				043B	
87	05	09		(ALSEP-4)		ALSP04	
87	05	09				043B	
87	05	10U	G	PCU 1	ALCS	CS8	
87	05	10L	R	RES PWR 1	ALCS	CS6	
87	05	11U	G	REAL TIME	ALCS	ST-3	
87	05	11L	G	PLAYBACK * DATA	ALCS	ST-3	
87	05	12U	A	EXP3 STBY * STATUS	ALCS	CS15	
87	05	12L	A	EXP4 STBY * STATUS	ALCS	CS16	
87	05	12				043B	
87	05	12		(ALSEP-3)		ALSP03	
87	05	12				043B	
87	05	13U	G	PCU 2	ALCS	CS9	
87	05	13L	R	RES PWR 2	ALCS	CS7	
87	05	14U	G	XMTR A	ALCS	CS10	
87	05	14L	G	XMTR B	ALCS	CS11	
87	05	15U		(BLANK)	ALCS	043U	
87	05	15L		(BLANK)	ALCS	043U	
87	05	15				043B	
87	05	15		(ALSEP-4)		ALSP04	
87	05	15				043B	
87	05	16U	G	PCU 2	ALCS	CS9	
87	05	16L	R	RES PWR 2	ALCS	CS7	
87	05	17U	G	XMTR A	ALCS	CS10	
87	05	17L	G	XMTR B	ALCS	CS11	
87	05	18U	G	HBR * SYNC	ALCS	AS-39	
87	05	18L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	02			(ALSEP-1)		AL SP01	
88	02					043B	
88	02	01	A	PCU 1 * OSC T	ALCS	AT-36	
88	02	02	A	XMTR A * XTAL T	ALCS	AT-23	
88	02	03	A	XMTR A * HT/S T	ALCS	AT-24	
88	02	04	A	XMTR A * DBLR MA	ALCS	AE-17	
88	02	05	A	PDU * INT T	ALCS	AT-35	
88	02	06	A	CMD DEC * VCO T	ALCS	AT-33	
88	02	07	A	CMD DEC * INT T	ALCS	AT-32	
88	02	08	A	DSS/A * INT T	ALCS	AT-28	
88	02	09	A	DSS/D * INT T	ALCS	AT-30	
88	02	10	A	PCU 2 * OSC T	ALCS	AT-37	
88	02	11	A	XMTR B * XTAL T	ALCS	AT-25	
88	02	12	A	XMTR B * HT/S T	ALCS	AT-26	
88	02	13	A	XMTR B * DBLR MA	ALCS	AE-18	
88	02	14	A	THRM PLT * ONE T	ALCS	AT-3	
88	02	15	A	THRM PLT * TWO T	ALCS	AT-4	
88	02	16	A	INSUL * EXT T	ALCS	AT-13	
88	02	17	A	INSUL * INT T	ALCS	AT-12	
88	02	18	A	PRI/ST * WALL T 3	ALCS	AT-11	
88	02	18				043B	
88	02	18		(ALSEP-2A)		ALSP02	
88	02	18				043B	
88	02	19	A	PCU 1 * OSC T	ALCS	AT-36	
88	02	20	A	XMTR A * XTAL T	ALCS	AT-23	
88	02	21	A	XMTR A * HT/S T	ALCS	AT-24	
88	02	22	A	XMTR A * DBLR MA	ALCS	AE-17	
88	02	23	A	PDU * INT T	ALCS	AT-35	
88	02	24	A	CMD DEC * VCO T	ALCS	AT-33	
88	02	25	A	CMD DEC * INT T	ALCS	AT-32	
88	02	26	A	DSS/A * INT T	ALCS	AT-28	
88	02	27	A	DSS/D * INT T	ALCS	AT-30	
88	02	28	A	PCU 2 * OSC T	ALCS	AT-37	
88	02	29	A	XMTR B * XTAL T	ALCS	AT-25	
88	02	30	A	XMTR B * HT/S T	ALCS	AT-26	
88	02	31	A	XMTR B * DBLR MA	ALCS	AE-18	
88	02	32	A	THRM PLT * ONE T	ALCS	AT-3	
88	02	33	A	THRM PLT * TWO T	ALCS	AT-4	
88	02	34	A	INSUL * EXT T	ALCS	AT-13	
88	02	35	A	INSUL * INT T	ALCS	AT-12	
88	02	36	A	PRI/ST * WALL T 3	ALCS	AT-11	
88	02	36				043B	
88	02	36		(ALSEP-3)		AL SP03	
88	02	36				043B	
88	02	37	A	PCU 1 * OSC T	ALCS	AT-36	
88	02	38	A	XMTR A * XTAL T	ALCS	AT-23	
88	02	39	A	XMTR A * HT/S T	ALCS	AT-24	
88	02	40	A	XMTR A * DBLR MA	ALCS	AE-17	
88	02	41	A	PDU * INT T	ALCS	AT-35	
88	02	42	A	CMD DEC * VCO T	ALCS	AT-33	
88	02	43	A	CMD DEC * INT T	ALCS	AT-32	
88	02	44	A	DSS/A * INT T	ALCS	AT-28	
88	02	45	A	DSS/D * INT T	ALCS	AT-30	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	02	46	A	PCU 2 * OSC T	ALCS	AT-37	
88	02	47	A	XMTR B * XTAL T	ALCS	AT-25	
88	02	48	A	XMTR B * HT/S T	ALCS	AT-26	
88	02	49	A	XMTR B * DBLR MA	ALCS	AE-18	
88	02	50	A	THRM PLT * ONE T	ALCS	AT-3	
88	02	51	A	THRM PLT * TWO T	ALCS	AT-4	
88	02	52	A	INSUL * EXT T	ALCS	AT-13	
88	02	53	A	INSUL * INT T	ALCS	AT-12	
88	02	54	A	PRI/ST * WALL T 3	ALCS	AT-11	
88	02	54				043B	
88	02	54		(ALSEP-4)		ALSP04	
88	02	54				043B	
88	02	55	A	PCU 1 * OSC T	ALCS	AT-36	
88	02	56	A	XMTR A * XTAL T	ALCS	AT-23	
88	02	57	A	XMTR A * HT/S T	ALCS	AT-24	
88	02	58	A	XMTR A * DBLR MA	ALCS	AE-17	
88	02	59	A	PDU * INT T	ALCS	AT-35	
88	02	60	A	CMD DEC * VCO T	ALCS	AT-33	
88	02	61	A	CMD DEC * INT T	ALCS	AT-32	
88	02	62	A	DSS/A * INT T	ALCS	AT-28	
88	02	63	A	DSS/D * INT T	ALCS	AT-30	
88	02	64	A	PCU 2 * OSC T	ALCS	AT-37	
88	02	65	A	XMTR B * XTAL T	ALCS	AT-25	
88	02	66	A	XMTR B * HT/S T	ALCS	AT-26	
88	02	67	A	XMTR B * DBLR MA	ALCS	AE-18	
88	02	68	A	THRM PLT * ONE T	ALCS	AT-3	
88	02	69	A	THRM PLT * TWO T	ALCS	AT-4	
88	02	70	A	INSUL * EXT T	ALCS	AT-13	
88	02	71	A	INSUL * INT T	ALCS	AT-12	
88	02	72	A	PRI/ST * WALL T 3	ALCS	AT-11	
88	03			(ALSEP-4)		ALSP04	
88	03					043B	
88	03	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
88	03	01L	G	90 FRAME * SYNC	ALCS	DA-2	
88	03	02U	G	NORM BIT * RATE	ALCS	CW1	
88	03	02L	G	LOW BIT * RATE	ALCS	CW2	
88	03	03U	G	REAL TIME	ALCS	ST-3	
88	03	03L	G	PLAYBACK * DATA	ALCS	ST-3	
88	03	04U	G	XMTR A	ALCS	CS10	
88	03	04L	G	XMTR B	ALCS	CS11	
88	03	05U	R	CS * CRITICAL	ALCS	CMPB	
88	03	05L	R	ARM * THUMPER	ALCS	ASE25	
88	03	06U	A	CS * WARNING	ALCS	CMPA	
88	03	06L	R	ARM * GRENADE	ALCS	ASE24	
88	03	07U	G	PCU 1	ALCS	CS8	
88	03	07L	R	RES PWR 1	ALCS	CS6	
88	03	08U	A	EXP1 STBY * STATUS	ALCS	CS13	
88	03	08L	A	EXP2 STBY * STATUS	ALCS	CS14	
88	03	09U	R	SIDE LIMS * CRITICL 1	ALCS	CMPD	
88	03	09L	R	PSE LIMS * CRITICL 3	ALCS	CMPF	
88	03	10U	B	SIDE C * DISABLE 1	ALCS	DIS1	
88	03	10L	B	PSE C * DISABLE 3	ALCS	DIS3	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	03	11U	A	SIDE LIMS * WARNING 2	ALCS	CMPC	
88	03	11L	A	PSE LIMS * WARNING 4	ALCS	CMPE	
88	03	12U	B	SIDE W * DISABLE 2	ALCS	DIS2	
88	03	12L	B	PSE W * DISABLE 4	ALCS	DIS4	
88	03	13U	G	PCU 2	ALCS	CS9	
88	03	13L	R	RES PWR 2	ALCS	CS7	
88	03	14U	A	EXP3 STBY * STATUS	ALCS	CS15	
88	03	14L	A	EXP4 STBY * STATUS	ALCS	CS16	
88	03	15U	R	CPLEE LIM * CRITICAL 7	ALCS	COMPJ	
88	03	15L		(BLANK)	ALCS	043U	
88	03	16U	B	CPLEE C * DISABLE 7	ALCS	DIS7	
88	03	16L	G	HBR * SYNC	ALCS	AS-39	
88	03	17U	A	CPLEE LIM * WARNING 8	ALCS	COMPI	
88	03	17L	A	HRB * LIMS 5	ALCS	COMPG	
88	03	18U	B	CPLEE W * DISABLE 8	ALCS	DIS8	
88	03	18L	B	HBR * DISABLE 5	ALCS	DIS5	
88	04			(ALSEP-2A)		ALSP02	
88	04					043B	
88	04	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
88	04	01L	G	90 FRAME * SYNC	ALCS	DA-2	
88	04	02U	G	NORM BIT * RATE	ALCS	CW1	
88	04	02L	G	LOW BIT * RATE	ALCS	CW2	
88	04	03U	G	REAL TIME	ALCS	ST-3	
88	04	03L	G	PLAYBACK * DATA	ALCS	ST-3	
88	04	04U	G	XMTR A	ALCS	CS10	
88	04	04L	G	XMTR B	ALCS	CS11	
88	04	05U	R	CS * CRITICAL	ALCS	CMPB	
88	04	05L		(BLANK)	ALCS	043U	
88	04	06U	A	CS * WARNING	ALCS	CMPA	
88	04	06L		(BLANK)	ALCS	043U	
88	04	07U	G	PCU 1	ALCS	CS8	
88	04	07L	R	RES PWR 1	ALCS	CS6	
88	04	08U	A	EXP1 STBY * STATUS	ALCS	CS13	
88	04	08L	A	EXP2 STBY * STATUS	ALCS	CS14	
88	04	09U	R	SIDE LIMS * CRITICL 1	ALCS	CMPD	
88	04	09L	R	PSE LIMS * CRITICL 3	ALCS	CMPF	
88	04	10U	B	SIDE C * DISABLE 1	ALCS	DIS1	
88	04	10L	B	PSE C * DISABLE 3	ALCS	DIS3	
88	04	11U	A	SIDE LIMS * WARNING 2	ALCS	CMPC	
88	04	11L	A	PSE LIMS * WARNING 4	ALCS	CMPE	
88	04	12U	B	SIDE W * DISABLE 2	ALCS	DIS2	
88	04	12L	B	PSE W * DISABLE 4	ALCS	DIS4	
88	04	13U	G	PCU 2	ALCS	CS9	
88	04	13L	R	RES PWR 2	ALCS	CS7	
88	04	14U	A	EXP3 STBY * STATUS	ALCS	CS15	
88	04	14L	A	EXP4 STBY * STATUS	ALCS	CS16	
88	04	15U	R	LSM LIMS * CRITICL 5	ALCS	CMPG	
88	04	15L	R	SWS LIMS * CRITICL 7	ALCS	CMPJ	
88	04	16U	B	LSM C * DISABLE 5	ALCS	DIS5	
88	04	16L	B	SWS C * DISABLE 7	ALCS	DIS7	
88	04	17U	A	LSM LIMS * WARNING 6	ALCS	CMPH	
88	04	17L	A	SWS LIMS * WARNING 8	ALCS	CMPI	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	04	18U	B	LSM W * DISABLE 6	ALCS	DIS6	
88	04	18L	B	SWS W * DISABLE 8	ALCS	DIS8	
88	05			(ALSEP-3)		ALSP03	
88	05					043B	
88	05	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
88	05	01L	G	90 FRAME * SYNC	ALCS	DA-2	
88	05	02U	G	NORM BIT * RATE	ALCS	CW1	
88	05	02L	G	LOW BIT * RATE	ALCS	CW2	
88	05	03U	G	LIVE DATA	ALCS	ST-3	
88	05	03L	G	PLAYBACK * DATA	ALCS	ST-3	
88	05	04U	G	XMTR A	ALCS	CS10	
88	05	04L	G	XMTR B	ALCS	CS11	
88	05	05U	R	CS * CRITICAL	ALCS	CMPB	
88	05	05L		(BLANK)	ALCS	043U	
88	05	06U	A	CS * WARNING	ALCS	CMPA	
88	05	06L		(BLANK)	ALCS	043U	
88	05	07U	G	PCU 1	ALCS	CS8	
88	05	07L	R	RES PWR 1	ALCS	CS6	
88	05	08U	A	EXP1 STBY * STATUS	ALCS	CS13	
88	05	08L	A	EXP2 STBY * STATUS	ALCS	CS14	
88	05	09U	R	CCGE LIMS * CRITICL 1	ALCS	CMPD	
88	05	09L	R	PSE LIMS * CRITICL 3	ALCS	CMPF	
88	05	10U	B	CCGE C * DISABLE 1	ALCS	DIS1	
88	05	10L	B	PSE C * DISABLE 3	ALCS	DIS3	
88	05	11U	A	CCGE LIMS * WARNING 2	ALCS	CMPC	
88	05	11L	A	PSE LIMS * WARNING 4	ALCS	CMPE	
88	05	12U	B	CCGE W * DISABLE 2	ALCS	DIS2	
88	05	12L	B	PSE W * DISABLE 4	ALCS	DIS4	
88	05	13U	G	PCU 2	ALCS	CS9	
88	05	13L	R	RES PWR 2	ALCS	CS7	
88	05	14U	A	EXP3 STBY * STATUS	ALCS	CS15	
88	05	14L	A	EXP4 STBY * STATUS	ALCS	CS16	
88	05	15U	R	HFE * LIMS 5	ALCS	CMPG	
88	05	15L	R	CPLEE LIM * CRITICAL 7	ALCS	CMPJ	
88	05	16U	B	HFE * DISABLE 5	ALCS	DIS5	
88	05	16L	B	CPLEE C * DISABLE 7	ALCS	DIS7	
88	05	17U		(BLANK)	ALCS	043U	
88	05	17L	A	CPLEE LIM * WARNING 8	ALCS	CMPI	
88	05	18U		(BLANK)	ALCS	043U	
88	05	18L	B	CPLEE W * DISABLE 8	ALCS	DIS8	
88	06	01U	G	MAIN FRME * SYNC	ALCS	DA-1	
88	06	01L	G	90 FRAME * SYNC	ALCS	DA-2	
88	06	02U	G	NORM BIT * RATE	ALCS	CW1	
88	06	02L	G	LOW BIT * RATE	ALCS	CW2	
88	06	03U	G	REAL TIME	ALCS	ST-3	
88	06	03L	G	PLAYBACK * DATA	ALCS	ST-3	
88	06	04U	G	XMTR A	ALCS	CS10	
88	06	04L	G	XMTR B	ALCS	CS11	
88	06	05U	R	CS * CRITICAL	ALCS	CMPB	
88	06	05L		(BLANK)	ALCS	043U	
88	06	06U	A	CS * WARNING	ALCS	CMPA	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	06	06L		(BLANK)	ALCS	043U	
88	06	07U	G	PCU 1	ALCS	CS8	
88	06	07L	R	RES PWR 1	ALCS	CS6	
88	06	08U	A	EXP1 STBY * STATUS	ALCS	CS13	
88	06	08L	A	EXP2 STBY * STATUS	ALCS	CS14	
88	06	09U	R	SIDE LIMS * CRITICL 1	ALCS	CMPD	
88	06	09L	R	PSE LIMS * CRITICL 3	ALCS	CMPF	
88	06	10U	B	SIDE C * DISABLE 1	ALCS	DIS1	
88	06	10L	B	PSE C * DISABLE 3	ALCS	DIS3	
88	06	11U	A	SIDE LIMS * WARNING 2	ALCS	CMPC	
88	06	11L	A	PSE LIMS * WARNING 4	ALCS	CMPE	
88	06	12U	B	SIDE W * DISABLE 2	ALCS	DIS2	
88	06	12L	B	PSE W * DISABLE 4	ALCS	DIS4	
88	06	13U	G	PCU 2	ALCS	CS9	
88	06	13L	R	RES PWR 2	ALCS	CS7	
88	06	14U	A	EXP3 STBY * STATUS	ALCS	CS15	
88	06	14L	A	EXP4 STBY * STATUS	ALCS	CS16	
88	06	15U	R	LSM LIMS * CRITICL 5	ALCS	CMPG	
88	06	15L	R	SWS LIMS * CRITICL 7	ALCS	CMPJ	
88	06	16U	B	LSM C * DISABLE 5	ALCS	DIS5	
88	06	16L	B	SWS C * DISABLE 7	ALCS	DIS7	
88	06	17U	A	LSM LIMS * WARNING 6	ALCS	CMPH	
88	06	17L	A	SWS LIMS * WARNING 8	ALCS	CMPI	
88	06	18U	B	LSM W * DISABLE 6	ALCS	DIS6	
88	06	18L	B	SWS W * DISABLE 8	ALCS	DIS8	
88	11			(ALSEP 1-A2-3-4)		ALSP05	
88	11					043B	
88	11	01	W	ALSEP * 1A	ALCIM	1A130	
88	11	01			ALCIM	043B	
88	11	02	W	ALSEP * 2A	ALCIM	2A116	
88	11	02			ALCIM	043B	
88	11	03	W	ALSEP * 3A	ALCIM	3A151	
88	11	03			ALCIM	043B	
88	11	04	W	ALSEP * 4A	ALCIM	4A25	
88	11	04			ALCIM	043B	
88	11	05	W	ADDRESS * CLEAR	ALCIM	ALSPAC	
88	11	05			ALCIM	043B	
88	11	06	R	MAP * OVERRIDE	ALCIM	ALSPOV	
88	11	06			ALCIM	043B	
88	11	07	W	ALSEP * 1B	ALCIM	1B30	
88	11	07			ALCIM	043B	
88	11	08	W	ALSEP * 2B	ALCIM	2B16	
88	11	08			ALCIM	043B	
88	11	09	W	ALSEP * 3B	ALCIM	3B51	
88	11	09			ALCIM	043B	
88	11	10	W	ALSEP * 4B	ALCIM	4B65	
88	11	10			ALCIM	043B	
88	11	11		SITE * SELECT	PBI	ALSPSS	
88	11	12U	G	FC	ALCS	FCM	
88	11	12L	R	M&O	ALCS	MOM	
88	11	13U	G	1KC	ALCS	CS12A	
88	11	13L	W	CVW 1	ALCS	CW56A	

MCC MOCR-3
OPERATIONAL CONFIGURATION

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	11	14U	G	1KC	ALCS	CS12B	
88	11	14L	W	CVW 2	ALCS	CW56B	
88	11	15U	G	1KC	ALCS	CS12C	
88	11	15L	W	CVW 3	ALCS	CW56C	
88	11	16U	G	1KC	ALCS	CS12D	
88	11	16L	W	CVW 4	ALCS	CW56D	
88	11	17U	G	SITE * VAL	ALCS	VAL	
88	11	17L	R	RSCC * INVAL	ALCS	INVL	
88	11	18U	R	S/C * REJECT	ALCS	REJS	
88	11	18L	R	GND * REJECT	ALCS	REJG	
88	12			(ALSEP 1-A2-3-4)		ALSP05 043B	
88	12						
88	12	01	W	1A	PBI	1A130	43
88	12	01	W	1B	PBI	1B30	43
88	12	01	W	2A	PBI	2A116	43
88	12	01	W	2B	PBI	2B16	43
88	12	01	W	3A	PBI	3A151	43
88	12	01	W	3B	PBI	3B51	43
88	12	01	W	4A	PBI	4A25	43
88	12	01	W	4B	PBI	4B65	43
88	12	01		(BLANK)	PBI	043U	
88	12	01		(BLANK)	PBI	043U	
88	12	01		(BLANK)	PBI	043U	
88	12	01		(BLANK)	PBI	043U	
88	12	02	W	0	PBI	ALSP010	43
88	12	02	W	1	PBI	ALSP001	43
88	12	02	W	2	PBI	ALSP002	43
88	12	02	W	3	PBI	ALSP003	43
88	12	02	W	4	PBI	ALSP004	43
88	12	02	W	5	PBI	ALSP005	43
88	12	02	W	6	PBI	ALSP006	43
88	12	02	W	7	PBI	ALSP007	43
88	12	02		(BLANK)	PBI	043U	
88	12	02		(BLANK)	PBI	043U	
88	12	02		(BLANK)	PBI	043U	
88	12	02		(BLANK)	PBI	043U	
88	12	03	W	0	PBI	ALSP010	43
88	12	03	W	1	PBI	ALSP001	43
88	12	03	W	2	PBI	ALSP002	43
88	12	03	W	3	PBI	ALSP003	43
88	12	03	W	4	PBI	ALSP004	43
88	12	03	W	5	PBI	ALSP005	43
88	12	03	W	6	PBI	ALSP006	43
88	12	03	W	7	PBI	ALSP007	43
88	12	03		(BLANK)	PBI	043U	
88	12	03		(BLANK)	PBI	043U	
88	12	03		(BLANK)	PBI	043U	
88	12	03		(BLANK)	PBI	043U	
88	12	04	W	0	PBI	ALSP010	43
88	12	04	W	1	PBI	ALSP001	43
88	12	04	W	2	PBI	ALSP002	43
88	12	04	W	3	PBI	ALSP003	43

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	12	04	W	4	PBI	ALSP004	43
88	12	04	W	5	PBI	ALSP005	43
88	12	04	W	6	PBI	ALSP006	43
88	12	04	W	7	PBI	ALSP007	43
88	12	04		(BLANK)	PBI	043U	
88	12	04		(BLANK)	PBI	043U	
88	12	04		(BLANK)	PBI	043U	
88	12	04		(BLANK)	PBI	043U	
88	12	05	W	1A	ALCS	1A130	
88	12	05	W	1B	ALCS	1B30	
88	12	05	W	2A	ALCS	2A116	
88	12	05	W	2B	ALCS	2B16	
88	12	05	W	3A	ALCS	3A151	
88	12	05	W	3B	ALCS	3B51	
88	12	05	W	4A	ALCS	4A25	
88	12	05	W	4B	ALCS	4B65	
88	12	05		(BLANK)	ALCS	043U	
88	12	05		(BLANK)	ALCS	043U	
88	12	05		(BLANK)	ALCS	043U	
88	12	05		(BLANK)	ALCS	043U	
88	12	06	W	1	ALCS	ALSP001	
88	12	06	W	2	ALCS	ALSP002	
88	12	06	W	3	ALCS	ALSP003	
88	12	06	W	4	ALCS	ALSP004	
88	12	06	W	5	ALCS	ALSP005	
88	12	06	W	6	ALCS	ALSP006	
88	12	06	W	7	ALCS	ALSP007	
88	12	06		(BLANK)	ALCS	043U	
88	12	06		(BLANK)	ALCS	043U	
88	12	06	W	0	ALCS	ALSP010	
88	12	06		(BLANK)	ALCS	043U	
88	12	06		(BLANK)	ALCS	043U	
88	12	07	W	1	ALCS	ALSP001	
88	12	07	W	2	ALCS	ALSP002	
88	12	07	W	3	ALCS	ALSP003	
88	12	07	W	4	ALCS	ALSP004	
88	12	07	W	5	ALCS	ALSP005	
88	12	07	W	6	ALCS	ALSP006	
88	12	07	W	7	ALCS	ALSP007	
88	12	07		(BLANK)	ALCS	043U	
88	12	07		(BLANK)	ALCS	043U	
88	12	07	W	0	ALCS	ALSP010	
88	12	07		(BLANK)	ALCS	043U	
88	12	07		(BLANK)	ALCS	043U	
88	12	08	W	1	ALCS	ALSP001	
88	12	08	W	2	ALCS	ALSP002	
88	12	08	W	3	ALCS	ALSP003	
88	12	08	W	4	ALCS	ALSP004	
88	12	08	W	5	ALCS	ALSP005	
88	12	08	W	6	ALCS	ALSP006	
88	12	08	W	7	ALCS	ALSP007	
88	12	08		(BLANK)	ALCS	043U	
88	12	08		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	12	08	W	0	ALCS	ALSPO10	
88	12	08		(BLANK)	ALCS	043U	
88	12	08		(BLANK)	ALCS	043U	
88	12	09U	W	ENTER	ALCS	ENTR	
88	12	09L	R	INVAL * REQUEST	ALCS	INVC	
88	12	10U	G	ENABLE	PBI	ALSPEN	
88	12	10L	R	DISABLE	PBI	ALSPDI	
88	12	11U	W	EXECUTE	ALCS	EXCT	
88	12	11L	W	VERIFY	ALCS	VER	
88	12	TW1		ENTER	ALCIM	ENTR	
88	12	TW1		EXECUTE	ALCIM	EXCT	
88	12	TW1		ENTER	ALCIM	ENTR	
88	12	TW1		EXECUTE	ALCIM	EXCT	
88	12	TW2		ENTER	ALCIM	ENTR	
88	12	TW2		EXECUTE	ALCIM	EXCT	
88	12	TW2		ENTER	ALCIM	ENTR	
88	12	TW2		EXECUTE	ALCIM	EXCT	
88	12	TW3		ENTER	ALCIM	ENTR	
88	12	TW3		EXECUTE	ALCIM	EXCT	
88	12	TW3		ENTER	ALCIM	ENTR	
88	12	TW3		EXECUTE	ALCIM	EXCT	
88	21					043B	23
88	21	01U		(BLANK)	ALCS	043U	
88	21	01L		(BLANK)	ALCS	043U	
88	21	02U		(BLANK)	ALCS	043U	
88	21	02L		(BLANK)	ALCS	043U	
88	21	03U		(BLANK)	ALCS	043U	
88	21	03L		(BLANK)	ALCS	043U	
88	21	04U		(BLANK)	ALCS	043U	
88	21	04L		(BLANK)	ALCS	043U	
88	21	05U		(BLANK)	ALCS	043U	
88	21	05L		(BLANK)	ALCS	043U	
88	21	06U		(BLANK)	ALCS	043U	
88	21	06L		(BLANK)	ALCS	043U	
88	21	07U		(BLANK)	ALCS	043U	
88	21	07L		(BLANK)	ALCS	043U	
88	21	08U		(BLANK)	ALCS	043U	
88	21	08L		(BLANK)	ALCS	043U	
88	21	09U		(BLANK)	ALCS	043U	
88	21	09L		(BLANK)	ALCS	043U	
88	21	10U		(BLANK)	ALCS	043U	
88	21	10L		(BLANK)	ALCS	043U	
88	21	11U		(BLANK)	ALCS	043U	
88	21	11L		(BLANK)	ALCS	043U	
88	21	12U		(BLANK)	ALCS	043U	
88	21	12L		(BLANK)	ALCS	043U	
88	21	13U		(BLANK)	ALCS	043U	
88	21	13L		(BLANK)	ALCS	043U	
88	21	14U		(BLANK)	ALCS	043U	
88	21	14L		(BLANK)	ALCS	043U	
88	21	15U		(BLANK)	ALCS	043U	
88	21	15L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	21	16U		(BLANK)	ALCS	043U	
88	21	16L		(BLANK)	ALCS	043U	
88	21	17U		(BLANK)	ALCS	043U	
88	21	17L		(BLANK)	ALCS	043U	
88	21	18U		(BLANK)	ALCS	043U	
88	21	18L		(BLANK)	ALCS	043U	
88	23					043B	23
88	23	01U		(BLANK)	ALCIM	043U	
88	23	01L		(BLANK)	ALCS	043U	
88	23	02U		(BLANK)	ALCIM	043U	
88	23	02L		(BLANK)	ALCS	043U	
88	23	03U		(BLANK)	ALCIM	043U	
88	23	03L		(BLANK)	ALCS	043U	
88	23	04U		(BLANK)	ALCIM	043U	
88	23	04L		(BLANK)	ALCS	043U	
88	23	05U		(BLANK)	ALCIM	043U	
88	23	05L		(BLANK)	ALCS	043U	
88	23	06U		(BLANK)	ALCIM	043U	
88	23	06L		(BLANK)	ALCS	043U	
88	23	07U		(BLANK)	ALCIM	043U	
88	23	07L		(BLANK)	ALCS	043U	
88	23	08U		(BLANK)	ALCIM	043U	
88	23	08L		(BLANK)	ALCS	043U	
88	23	09U		(BLANK)	ALCIM	043U	
88	23	09L		(BLANK)	ALCS	043U	
88	23	10U		(BLANK)	ALCIM	043U	
88	23	10L		(BLANK)	ALCS	043U	
88	23	11U		(BLANK)	ALCIM	043U	
88	23	11L		(BLANK)	ALCS	043U	
88	23	12U		(BLANK)	PBI	043U	
88	23	12L		(BLANK)	ALCS	043U	
88	23	13U		(BLANK)	ALCIM	043U	
88	23	13L		(BLANK)	ALCS	043U	
88	23	14U		(BLANK)	ALCIM	043U	
88	23	14L		(BLANK)	ALCS	043U	
88	23	15U		(BLANK)	ALCIM	043U	
88	23	15L		(BLANK)	ALCS	043U	
88	23	16U		(BLANK)	ALCIM	043U	
88	23	16L		(BLANK)	ALCS	043U	
88	23	17U		(BLANK)	ALCIM	043U	
88	23	17L		(BLANK)	ALCS	043U	
88	23	18U		(BLANK)	PBI	043U	
88	23	18L		(BLANK)	ALCS	043U	
88	25			(ALSEP 1-A2-3-4)		ALSP05	
88	25					043B	
88	25	01	W	ALSEP * 1	ALCIM	ALSP01	
88	25	02	W	ALSEP * 2	ALCIM	ALSP02	
88	25	03	W	ALSEP * 3	ALCIM	ALSP03	
88	25	04	W	ALSEP * 4	ALCIM	ALSP04	
88	25	05	W	ALSEP * DISPLAY * GUIDE	ALCIM	ALSP05	
88	25	06		STOP	ALCIM	ALSP06	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	25	07	W	PSE	ALCIM	ALSP07	
88	25	08	W	LSM * 1	ALCIM	ALSP08	
88	25	09	W	SWS	ALCIM	ALSP09	
88	25	10	W	SIDE/ * CCGE 1	ALCIM	ALSP10	
88	25	11	W	LIMITS * TABLE	ALCIM	ALSP11	
88	25	12		CLEAR	PBI	ALSPCL	
88	25	13	W	CENTRAL * STATION	ALCIM	ALSP13	
88	25	14	W	LSM * 2	ALCIM	ALSP14	
88	25	15		(BLANK)	ALCIM	043U	
88	25	16		SIDE/ * CCGE 2	ALCIM	ALSP15	
88	25	17	R	INVAL * REQUEST	ALCS	INVP	
88	25	18	W	EXECUTE	PBI	ALSPEX	
88	26			(ALSEP 1-A2-3-4)		ALSP05	
88	26					043B	
88	26	01		(BLANK)	ALCIM	043U	
88	26	02	W	HF 1	ALCIM	ALSP16	
88	26	03	W	CPLEE 1	ALCIM	ALSP17	
88	26	04	W	CCGE	ALCIM	ALSP18	
88	26	05	W	ASE	ALCIM	ALSP19	
88	26	06		(BLANK)	ALCIM	043U	
88	26	07		(BLANK)	ALCIM	043U	
88	26	08	W	HF 2	ALCIM	ALSP16	
88	26	09	W	CPLEE 2	ALCIM	ALSP17	
88	26	10		(BLANK)	ALCIM	043U	
88	26	11		(BLANK)	ALCIM	043U	
88	26	12		(BLANK)	ALCIM	043U	
88	26	13		(BLANK)	ALCIM	043U	
88	26	14		(BLANK)	ALCIM	043U	
88	26	15		(BLANK)	ALCIM	043U	
88	26	16		(BLANK)	ALCIM	043U	
88	26	17		(BLANK)	ALCIM	043U	
88	26	18		(BLANK)	ALCIM	043U	
88	27					043B	23
88	27	01U		(BLANK)	ALCIM	043U	
88	27	01L		(BLANK)	ALCS	043U	
88	27	02U		(BLANK)	ALCIM	043U	
88	27	02L		(BLANK)	ALCS	043U	
88	27	03U		(BLANK)	ALCIM	043U	
88	27	03L		(BLANK)	ALCS	043U	
88	27	04U		(BLANK)	ALCIM	043U	
88	27	04L		(BLANK)	ALCS	043U	
88	27	05U		(BLANK)	ALCIM	043U	
88	27	05L		(BLANK)	ALCS	043U	
88	27	06U		(BLANK)	ALCIM	043U	
88	27	06L		(BLANK)	ALCS	043U	
88	27	07U		(BLANK)	ALCIM	043U	
88	27	07L		(BLANK)	ALCS	043U	
88	27	08U		(BLANK)	ALCIM	043U	
88	27	08L		(BLANK)	ALCS	043U	
88	27	09U		(BLANK)	ALCIM	043U	
88	27	09L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	27	10U		(BLANK)	ALCIM	043U	
88	27	10L		(BLANK)	ALCS	043U	
88	27	11U		(BLANK)	ALCIM	043U	
88	27	11L		(BLANK)	ALCS	043U	
88	27	12U		(BLANK)	PBI	043U	
88	27	12L		(BLANK)	ALCS	043U	
88	27	13U		(BLANK)	ALCIM	043U	
88	27	13L		(BLANK)	ALCS	043U	
88	27	14U		(BLANK)	ALCIM	043U	
88	27	14L		(BLANK)	ALCS	043U	
88	27	15U		(BLANK)	ALCIM	043U	
88	27	15L		(BLANK)	ALCS	043U	
88	27	16U		(BLANK)	ALCIM	043U	
88	27	16L		(BLANK)	ALCS	043U	
88	27	17U		(BLANK)	ALCIM	043U	
88	27	17L		(BLANK)	ALCS	043U	
88	27	18U		(BLANK)	PBI	043U	
88	27	18L		(BLANK)	ALCS	043U	
88	28			(ALSEP 1-A2-3-4)		ALSP05	
88	28					043B	
88	28	01	W	FORMAT * 1	ALCIM	ALSPF01	
88	28	02	W	FORMAT * 2	ALCIM	ALSPF02	
88	28	03	W	RECORDER * 1	ALCIM	ALSPR01	
88	28	04	W	RECORDER * 2	ALCIM	ALSPR02	
88	28	05	W	RECORDER * 3	ALCIM	ALSPR03	
88	28	06	W	RECORDER * 4	ALCIM	ALSPR04	
88	28	07	W	FORMAT * 3	ALCIM	ALSPF03	
88	28	08	W	FORMAT * 4	ALCIM	ALSPF04	
88	28	09	W	FORMAT * 5	ALCIM	ALSPF05	
88	28	10	W	ALSEP * 1	ALCIM	ALSP01	
88	28	11	W	ALSEP * 2	ALCIM	ALSP02	
88	28	12U	W	CLEAR	PBI	ALSPCL	
88	28	12L	R	INVAL * REQUEST	ALCS	INVA	
88	28	13	W	FORMAT * 6	ALCIM	ALSPF06	
88	28	14	W	FORMAT * 7	ALCIM	ALSPF07	
88	28	15	W	FORMAT * 8	ALCIM	ALSPF08	
88	28	16	W	ALSEP * 3	ALCIM	ALSP03	
88	28	17	W	ALSEP * 4	ALCIM	ALSP04	
88	28	18	W	EXECUTE	ALCIM	ALSPEX	
88	30					043B	23
88	30	01U		(BLANK)	ALCS	043U	
88	30	01L		(BLANK)	ALCS	043U	
88	30	02U		(BLANK)	ALCS	043U	
88	30	02L		(BLANK)	ALCS	043U	
88	30	03U		(BLANK)	ALCS	043U	
88	30	03L		(BLANK)	ALCS	043U	
88	30	04U		(BLANK)	ALCS	043U	
88	30	04L		(BLANK)	ALCS	043U	
88	30	05U		(BLANK)	ALCS	043U	
88	30	05L		(BLANK)	ALCS	043U	
88	30	06U		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	30	06L		(BLANK)	ALCS	043U	
88	30	07U		(BLANK)	ALCS	043U	
88	30	07L		(BLANK)	ALCS	043U	
88	30	08U		(BLANK)	ALCS	043U	
88	30	08L		(BLANK)	ALCS	043U	
88	30	09U		(BLANK)	ALCS	043U	
88	30	09L		(BLANK)	ALCS	043U	
88	30	10U		(BLANK)	ALCS	043U	
88	30	10L		(BLANK)	ALCS	043U	
88	30	11U		(BLANK)	ALCS	043U	
88	30	11L		(BLANK)	ALCS	043U	
88	30	12U		(BLANK)	ALCS	043U	
88	30	12L		(BLANK)	ALCS	043U	
88	30	13U		(BLANK)	ALCS	043U	
88	30	13L		(BLANK)	ALCS	043U	
88	30	14U		(BLANK)	ALCS	043U	
88	30	14L		(BLANK)	ALCS	043U	
88	30	15U		(BLANK)	ALCS	043U	
88	30	15L		(BLANK)	ALCS	043U	
88	30	16U		(BLANK)	ALCS	043U	
88	30	16L		(BLANK)	ALCS	043U	
88	30	17U		(BLANK)	ALCS	043U	
88	30	17L		(BLANK)	ALCS	043U	
88	30	18U		(BLANK)	ALCS	043U	
88	30	18L		(BLANK)	ALCS	043U	
88	31					043B	23
88	31	01U		(BLANK)	ALCIM	043U	
88	31	01L		(BLANK)	ALCS	043U	
88	31	02U		(BLANK)	ALCIM	043U	
88	31	02L		(BLANK)	ALCS	043U	
88	31	03U		(BLANK)	ALCIM	043U	
88	31	03L		(BLANK)	ALCS	043U	
88	31	04U		(BLANK)	ALCIM	043U	
88	31	04L		(BLANK)	ALCS	043U	
88	31	05U		(BLANK)	ALCIM	043U	
88	31	05L		(BLANK)	ALCS	043U	
88	31	06U		(BLANK)	ALCIM	043U	
88	31	06L		(BLANK)	ALCS	043U	
88	31	07U		(BLANK)	ALCIM	043U	
88	31	07L		(BLANK)	ALCS	043U	
88	31	08U		(BLANK)	ALCIM	043U	
88	31	08L		(BLANK)	ALCS	043U	
88	31	09U		(BLANK)	ALCIM	043U	
88	31	09L		(BLANK)	ALCS	043U	
88	31	10U		(BLANK)	ALCIM	043U	
88	31	10L		(BLANK)	ALCS	043U	
88	31	11U		(BLANK)	ALCIM	043U	
88	31	11L		(BLANK)	ALCS	043U	
88	31	12U		(BLANK)	PBI	043U	
88	31	12L		(BLANK)	ALCS	043U	
88	31	13U		(BLANK)	ALCIM	043U	
88	31	13L		(BLANK)	ALCS	043U	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
88	31	14U		(BLANK)	ALCIM	043U	
88	31	14L		(BLANK)	ALCS	043U	
88	31	15U		(BLANK)	ALCIM	043U	
88	31	15L		(BLANK)	ALCS	043U	
88	31	16U		(BLANK)	ALCIM	043U	
88	31	16L		(BLANK)	ALCS	043U	
88	31	17U		(BLANK)	ALCIM	043U	
88	31	17L		(BLANK)	ALCS	043U	
88	31	18U		(BLANK)	PBI	043U	
88	31	18L		(BLANK)	ALCS	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
91	03	01	G	CSM DATA * IN TRANS	MOC	600DA	
91	03	02	W	DC IN * PROCESS	MOC	601DA	
91	03	03	W	CSM * DECISION * REQUIRED	MOC	602DA	
91	03	04	R	UPDATE * IN PROC	MOC	065M	
91	03	05U	R	TLI * PLANNING	MOC	095T	
91	03	05L	R	LOI * PLANNING	MOC	279L	
91	03	06U	R	RNDZ * PLANNING	MOC	251R	
91	03	06L		(BLANK)	MOC	043U	
91	03	07	G	LEM DATA * IN TRAN	MOC	600DB	
91	03	08	W	DC IN * PROCESS	MOC	601DB	
91	03	09	W	LEM * DECISION * REQUIRED	MOC	602DB	
91	03	10	R	UPDATE * IN PROC	MOC	089L	
91	03	11U		(BLANK)	MOC	043U	
91	03	11L		(BLANK)	MOC	043U	
91	03	12U		(BLANK)	MOC	043U	
91	03	12L		(BLANK)	MOC	043U	
91	03	13	G	OPTICS * MOC	MOC	054O	
91	03	14U	R	CSM STA * CONTACTS	MOC	378C	
91	03	14L	R	LM STA * CONTACTS	MOC	268L	
91	03	15U	R	RESIDUAL * COMP	MOC	273R	
91	03	15L	R	VECTOR * COMP PROC	MOC	071V	
91	03	16U	R	RTE	MOC	252R	
91	03	16L	R	ENTRY TRJ * UPDATE	MOC	086E	
91	03	17U	R	MIDCOURSE * PLANNING	MOC	178M	
91	03	17L	G	RNDZ * RDR	MOC	250R	
91	03	18U	R	ABORT	MOC	001A	
91	03	18L		(BLANK)	MOC	043U	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
100	04			RCM POWER STATUS		057R	65
100	04					043B	
100	04	01	G	28 VDC * 2	PBI	078N	
100	04	02	G	28 VDC * 1	PBI	078N	
100	04	03U	G	-15 VDC * 1	PBI	080N	
100	04	03L	G	-15 VDC * 2	PBI	080N	
100	04	04U	G	5 VDC * 1	PBI	082N	
100	04	04L	G	5 VDC * 2	PBI	082N	
100	05			CCATS RESTART CONTROL		134C	65
100	05					043B	
100	05	01U	W	MISSION * ON-LINE	PBI	058M	
100	05	01L	W	MISSION * STAND-BY	PBI	059M	
100	05	02U	W	MISSION * ON-LINE	PBI	058M	
100	05	02L	W	MISSION * STAND-BY	PBI	059M	
100	05	03U	W	MISSION * ON-LINE	PBI	058M	
100	05	03L	W	MISSION * STAND-BY	PBI	059M	
100	05	04	R	ILLEGAL * RESTART	PBI	037I	
100	05	05U	R	TRANSMIT * FAIL	PBI	026T	
100	05	05L	R	RECEIVE * FAIL	PBI	055R	
100	05	06	R	TIME * OUT	PBI	027T	
100	05	07	A	A	PBI	093A	
100	05	08	A	B	PBI	046B	
100	05	09	A	C	PBI	133C	
100	05	10	A	EXTERNAL * INTERRUPT	PBI	032E	
100	05	11	A	RESTART * INITIATE	PBI	056R	
100	05	12	W	MASTER * CLEAR	PBI	060M	
100	05	13	A	A	PBI	093A	
100	05	14	A	B	PBI	046B	
100	05	15	A	C	PBI	133C	
100	05	16	W	I	PBI	038I	
100	05	17	W	II	PBI	039I	
100	05	18	W	III	PBI	040I	
100	05	19U	W	ICS	PBI	043I	
100	05	19L	W	TAPE	PBI	025T	
100	09					043B	23
100	09	01	R	MOC * TIMING * OUT	CCATS	057M	
100	09	02	A	DSC * TIMING * OUT	CCATS	022D	
100	09	03U		(BLANK)	CCATS	043U	
100	09	03L		(BLANK)	CCATS	043U	
100	09	04	R	RTCC * EXEC * INPUT * ERROR	CCATS	052R	
100	09	05	A	RTCC * TEST * BLOCK * ERROR	CCATS	053R	
100	09	06	R	NO * RTCC * TEST * BLOCKS	CCATS	056N	
100	09	07	R	880 * TIME * OUT	CCATS	060N	
100	09	08	R	432 * TIME * OUT	CCATS	058N	
100	09	09U		(BLANK)	CCATS	043U	
100	09	09L		(BLANK)	CCATS	043U	
100	09	10U		(BLANK)	CCATS	043U	
100	09	10L		(BLANK)	CCATS	043U	
100	09	11	R	<3 * ADAPTER * BUFFERS	CCATS	070N	
100	09	12	R	<1/3 * EXEC * BUFFERS	CCATS	066N	
100	09	13U	A	PBT 1 * SETOUT	CCATS	148P	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
100	09	13L	R	PBT 1 * F. M.	CCATS	146P	
100	09	14	R	PBT 1 * OUTPUT * PROBLEM	CCATS	113P	
100	09	15	R	G S F C * FORCED * MODE	CCATS	011G	
100	09	16U	A	PBT 2 * SETOUT	CCATS	148P	
100	09	16L	R	PBT 2 * F. M.	CCATS	146P	
100	09	17	R	PBT 2 * OUTPUT * PROBLEM	CCATS	113P	
100	09	18U		(BLANK)	CCATS	043U	
100	09	18L		(BLANK)	CCATS	043U	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
101	04			KEYBOARD SELECT		001K	65
101	04					043B	
101	04	01U	G	A * ENABLE	PBI	040A	
101	04	01L	R	A * INHIBIT	PBI	040A	
101	04	02U	G	B * ENABLE	PBI	027B	
101	04	02L	R	B * INHIBIT	PBI	027B	
101	04	03U	G	C * ENABLE	PBI	135C	
101	04	03L	R	C * INHIBIT	PBI	135C	
101	08					043B	23
101	08	01	G	HST * ACTIVE	CCATS	023H	
101	08	02U	G	LST * INPUT	CCATS	043L	
101	08	02L	G	LST * OUTPUT	CCATS	043L	
101	08	03	G	IP * ACTIVE	CCATS	033I	
101	08	04U		(BLANK)	CCATS	043U	
101	08	04L		(BLANK)	CCATS	043U	
101	08	05U	A	PBT 1 * SETOUT	CCATS	148P	
101	08	05L	R	FORCE * MODE	CCATS	013F	
101	08	06U	R	PBT 1 * HUNG	CCATS	147P	
101	08	06L	A	1 INPUT * TEST MODE	CCATS	062N	
101	08	07	R	>5 * HST SITE * INPUT	CCATS	074N	
101	08	08	G	BIOMED * ACTIVE	CCATS	020B	
101	08	09U	A	BIOMED * LFI	CCATS	025B	
101	08	09L	R	DUP ASTRO * ID	CCATS	023D	
101	08	10U	G	RTCC TEXT * INPUT	CCATS	054R	
101	08	10L	R	INPUT * ERROR	CCATS	034I	
101	08	11U	R	PBT INPUT * >50K	CCATS	144P	
101	08	11L	R	<1/3 PBT * BUFFERS	CCATS	066N	
101	08	12U		(RESERVED RECORD)	CCATS	043D	
101	08	12	R	G S F C * FORCED * MODE	CCATS	011G	
101	08	13	G	ALSEP * MSFN * INPUT	CCATS	037A	
101	08	14U	G	ALSEP * CMD	CCATS	032A	
101	08	14L	G	TEST * BLOCK	CCATS	049T	
101	08	15U	R	ALSEP * ERROR	CCATS	035A	
101	08	15L	G	WITH PBT * OUTPUT	CCATS	025W	
101	08	16U		(BLANK)	CCATS	043U	
101	08	16L		(BLANK)	CCATS	043U	
101	08	17U	A	PBT 2 * SETOUT	CCATS	148P	
101	08	17L	R	FORCE * MODE	CCATS	013F	
101	08	18U	R	PBT 2 * HUNG	CCATS	147P	
101	08	18L	A	2 INPUT * TEST MODE	CCATS	062N	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
102	07					043B	23
102	07	01U	G	ALDS * PRI	CCATS	036A	
102	07	01L	G	ALDS * ALT	CCATS	036A	
102	07	02U	G	MIL * A	CCATS	046M	
102	07	02L	G	MIL * B	CCATS	046M	
102	07	03U		(BLANK)	CCATS	043U	
102	07	03L		(BLANK)	CCATS	043U	
102	07	04U	G	ANG * A	CCATS	043A	
102	07	04L	G	ANG * B	CCATS	043A	
102	07	05U	G	BDA * A	CCATS	013B	
102	07	05L	G	BDA * B	CCATS	013B	
102	07	06U	G	ACN * A	CCATS	011A	
102	07	06L	G	ACN * B	CCATS	011A	
102	07	07U	G	CYI * A	CCATS	100C	
102	07	07L	G	CYI * B	CCATS	100C	
102	07	08U	G	MAD * A	CCATS	003M	
102	07	08L	G	MAD * B	CCATS	003M	
102	07	09U	G	CRO * A	CCATS	057C	
102	07	09L	G	CRO * B	CCATS	057C	
102	07	10U	G	HSK * A	CCATS	083H	
102	07	10L	G	HSK * B	CCATS	083H	
102	07	11U	G	GWM * A	CCATS	063G	
102	07	11L	G	GWM * B	CCATS	063G	
102	07	12U	G	HAW * A	CCATS	002H	
102	07	12L	G	HAW * B	CCATS	002H	
102	07	13U	G	GDS * A	CCATS	018G	
102	07	13L	G	GDS * B	CCATS	018G	
102	07	14U	G	GYM * A	CCATS	075G	
102	07	14L	G	GYM * B	CCATS	075G	
102	07	15U	G	TEX * A	CCATS	012T	
102	07	15L	G	TEX * B	CCATS	012T	
102	07	16U	G	VAN * A	CCATS	013V	
102	07	16L	G	VAN * B	CCATS	013V	
102	07	17U		(BLANK)	CCATS	043U	
102	07	17L		(BLANK)	CCATS	043U	
102	07	18U	G	BIOMED * TM	CCATS	025B	
102	07	18L	R	>4 BIOMED * SITES	CCATS	072N	
102	08					043B	23
102	08	01U	G	S I * DECOM	CCATS	062S	
102	08	01L	B	S I * OUTPUT	CCATS	062S	
102	08	02U	G	S II * DECOM	CCATS	064S	
102	08	02L	B	S II * OUTPUT	CCATS	064S	
102	08	03U	G	S 4 * DECOM	CCATS	067S	
102	08	03L	B	S 4 * OUTPUT	CCATS	067S	
102	08	04U	G	IU * DECOM	CCATS	036I	
102	08	04L	B	IU * OUTPUT	CCATS	036I	
102	08	05U	G	LM * DECOM	CCATS	045L	
102	08	05L	B	LM * OUTPUT	CCATS	045L	
102	08	06U	G	LGC * DECOM	CCATS	046L	
102	08	06L	B	LGC * OUTPUT	CCATS	046L	
102	08	07U	G	CMC * DECOM	CCATS	131C	
102	08	07L	B	CMC * OUTPUT	CCATS	131C	

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CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
102	08	08U	G	AGS * DECOM	CCATS	039A	
102	08	08L	B	AGS * OUTPUT	CCATS	039A	
102	08	09U	G	CSM * DECOM	CCATS	132C	
102	08	09L	B	CSM * OUTPUT	CCATS	132C	
102	08	10U	G	LMX * DECOM	CCATS	045L	
102	08	10L	B	LMX * OUTPUT	CCATS	045L	
102	08	11U	G	LGC X * DECOM	CCATS	046L	
102	08	11L	B	LGC X * OUTPUT	CCATS	046L	
102	08	12U	G	CMC X * DECOM	CCATS	131C	
102	08	12L	B	CMC X * OUTPUT	CCATS	131C	

CONS NO.	MOD LOC	IND LOC	CLR	LABEL	EQUIP. SOURCE	MEAS. NUMBER	NOTE
103	07					043B	23
103	07	01U	R	1/3 41 WD * QUEUE	CCATS	064N	
103	07	01L	R	BAD * RELEASE	CCATS	026B	
103	07	02U	R	1/3 11 WD * QUEUE	CCATS	064N	
103	07	02L	R	BAD * RELEASE	CCATS	026B	
103	07	03U	R	1/3 5 WD * QUEUE	CCATS	064N	
103	07	03L	R	BAD * RELEASE	CCATS	026B	
103	07	04U		(BLANK)	CCATS	043U	
103	07	04L		(BLANK)	CCATS	043U	
103	07	05	R	DISCARD * ERROR	CCATS	024D	
103	07	06	R	SAFING * ERROR	CCATS	054S	
103	07	07U		(BLANK)	CCATS	043U	
103	07	07L		(BLANK)	CCATS	043U	
103	07	08U		(BLANK)	CCATS	043U	
103	07	08L		(BLANK)	CCATS	043U	
103	07	09U		(BLANK)	CCATS	043U	
103	07	09L		(BLANK)	CCATS	043U	
103	07	10U		(BLANK)	CCATS	043U	
103	07	10L		(BLANK)	CCATS	043U	
103	07	11U		(BLANK)	CCATS	043U	
103	07	11L		(BLANK)	CCATS	043U	
103	07	12U	G	RTCC CMD * INPUT	CCATS	054R	
103	07	12L	R	INPUT * ERROR	CCATS	034I	
103	07	13U		(BLANK)	CCATS	043U	
103	07	13L		(BLANK)	CCATS	043U	
103	07	14U		(BLANK)	CCATS	043U	
103	07	14L		(BLANK)	CCATS	043U	
103	07	15U		(BLANK)	CCATS	043U	
103	07	15L		(BLANK)	CCATS	043U	
103	07	16U		(BLANK)	CCATS	043U	
103	07	16L		(BLANK)	CCATS	043U	
103	07	17U	R	PBT 1 * F. M.	CCATS	146P	
103	07	17L	R	PBT 2 * F. M.	CCATS	146P	
103	07	18	R	NO * RTCC * TEST * BLOCKS	CCATS	056N	

CONSOLE DETAIL NOTES

NOTE 01: PR-01 ROOM 314, PARALLELED TO CR-5 ROOM 112.

NOTE 02: FORMATS FOR CHART RECORDERS 1,2,3 & 4 ROOM 314, ARE SELECTED BY CONSOLE 88, MODULE 28.

NOTE 03: AT LIFT-OFF DISPLAY DESIGNATION CHANGES TO ''GET''. AND "ETR" HOLD CHANGES CLOCK NUMERALS TO RED.

NOTE 04: PARALLED WITH GD-06 THROUGH GROUP DISPLAY DRIVERS.

NOTE 05: PARALLED WITH GD-05 THROUGH GROUP DISPLAY DRIVERS.

NOTE 06: SEQUENTIAL DEPRESSION OF PBI 2 ON CONSOLE 7 SMEK REPLACES -20 SERIES CALIBRATION CURVE IN THE MOC WITH THE -30 SERIES OR -10 SERIES FOR MEASUREMENT CF0005P.

NOTE 07: SEQUENTIAL DEPRESSION OF PBI 12 ON CONSOLE 7 SMEK REPLACES -20 SERIES CALIBRATION CURVE IN THE MOC WITH THE -10 SERIES OR -30 SERIES FOR MEASUREMENT CF0157P.

NOTE 08: DEPRESSION OF PBI 11 ON CONSOLE 24 SMEK REPLACED -10 SERIES CALIBRATION CURVES IN THE MOC WITH THE -20 SERIES CURVE FOR MEASUREMENTS CT0620V AND CT0640F.

NOTE 09: PROVIDES CAPABILITY TO GIVE THE RSO AT KSC INDICATING AN S1C ENGINE NO.3 OUT CONDITION.

NOTE 10: FORMATS FOR ALSEP CHART RECORDER NO.5, DRUM RECORDER GROUP A OR B, ARE SELECTED BY CONSOLE 84, MODULE 15.

NOTE 11: THIS MODULE REQUIRES SR/EO ACTION FOR RECONFIGURATION. DATA PACK CHANGES ARE NOT VALID

NOTE 12: COORDINATE ANY CHANGES WITH FSD/CCATS SECTION.

NOTE 13: SWITCH POSITION 1.

NOTE 14: SWITCH POSITION 2.

NOTE 15: SWITCH POSITION 3.

NOTE 16: ILLUMINATES FOR ANY 3 D9/9B ABORT SWITCH ACTIVE.

NOTE 17: SAME SOURCE AS D9/9B COMMAND VERIFY.

NOTE 18: CENTERED ARROW POINTING UP AND EXTENDING FROM BOTTOM TO CENTER OF INDICATOR.

NOTE 19: CENTERED ARROW POINTING DOWN AND EXTENDING FROM CENTER TO BOTTOM OF INDICATOR.

NOTE 20: NOT REQUIRED THIS MISSION.

CONSOLE DETAIL NOTES (CON'T)

NOTE 21: TO BE SUPPLIED.

NOTE 22: METER MODULE PARALLELED OFF OF DRUM RECORDER ADDRESS AND DAC'S.

NOTE 23: IMPLEMENTATION OF ADD, CHANGE OR DELETE OF MODULE OR INDICATOR IS CONTINGENT UPON E.C. COMPLETION.

NOTE 24: CLEAR PLASTIC COVERS REQUIRED ON ALL PBI'S.

NOTE 25: CLEAR PLASTIC COVER REQUIRED.

NOTE 26: INDICATOR ILLUMINATED WHEN MODULE IS ACTIVE.

NOTE 27: ALL LEFT PBIS ARE CONNECTED TO CHANNEL 'A' DAC 134 THRU 141, ALL RIGHT PBIS ARE CONNECTED TO CHANNEL 'B' DAC 134 THRU 141.

NOTE 28: UTILIZES PCK ENCODER.

NOTE 29: ANALOG LINES 301-350 CORRESPOND RESPECTIVELY WITH PCM 4 (101-150) ON MASTER ANALOG PATCHBOARD AND ARE USED FOR MOCR-3 MISSION.

NOTE 30: NO BIT ASSIGNMENT AVAILABLE

NOTE 31: ANALOG LINES 352-364 CORRESPOND RESPECTIVELY WITH VEHICLE 2 (138-150) ON MASTER ANALOG PATCHBOARD AND ARE USED FOR MOCR-3 MISSION.

NOTE 32: ALTERNATE ACTION PBI WILL SWITCH ASSOCIATED METER TO CHOICE "A" OR CHOICE "B" ANALOG LINE DEPENDING UPON WHETHER UPPER HALF OR LOWER HALF OF PBI IS ILLUMINATED.

NOTE 33: ANALOG LINES 365-372 CORRESPOND RESPECTIVELY WITH RIGHT -SIDE A-H ON FM PATCHBOARD AND ARE USED FOR MOCR-3 MISSION.

NOTE 34: MODULE TEMPORARILY REMOVED "X" CONNECTS STILL ASSIGNED TO MODULE LOCATION.

NOTE 35: EVENT CHANNELS ARE DRIVEN BY TEDS AND DEFLECT LEFT FOR EVENT BUT DO NOT DEFLECT FOR NO-EVENT.

NOTE 36: LABEL TO BE CENTERED IN UPPER HALF OF INDICATOR.

NOTE 37: LABEL TO BE CENTERED IN LOWER HALF OF INDICATOR.

NOTE 38: SPECIAL CHARACTER IS UPPER CASE DELTA SYMBOL.

CONSOLE DETAIL NOTES (CON'T)

NOTE 39: PENS ARE PARALLELED WITH CR-2 WHICH IS CONTROLLED BY CON 88, MOD 28.

NOTE 40: SPECIAL CHARACTER IS LOWER CASE PHI.

NOTE 41: SET PEN AT RIGHT EDGE, + DEFLECTION LEFT.

NOTE 42: PENS ARE PARALLELED WITH CR-4 WHICH IS CONTROLLED BY CON 88, MOD 28.

NOTE 43: LAMP IS DRIVEN FROM ALCIM ENCODER RACK LAMP DRIVER

NOTE 44: SET PEN AT CENTER, + DEFLECTION RIGHT.

NOTE 45: (OPEN NOTE)

NOTE 46: SET PEN AT LEFT EDGE, + DEFLECTION RIGHT.

NOTE 47: PBI'S 05, 11 AND 17 ARE INTERLOCKED.

NOTE 48: CSM EECOM OVERLAY.

NOTE 49: (OPEN NOTE)

NOTE 50: (OPEN NOTE)

NOTE 51: (OPEN NOTE)

NOTE 52: (OPEN NOTE)

NOTE 53: (OPEN NOTE)

NOTE 54: SPECIAL CHARACTER IS INTEGRAL SYMBOL.

NOTE 55: SPECIAL CHARACTER IS UPPER CASE GAMMA.

NOTE 56: (OPEN NOTE)

NOTE 57: BOOSTER OVERLAY.

NOTE 58: (OPEN NOTE)

NOTE 59: (OPEN NOTE)

NOTE 60: (OPEN NOTE)

NOTE 61: DEPRESSION OF PBI INHIBITED.

NOTE 62: (OPEN NOTE)

CONSOLE DETAIL NOTES (CON'T)

NOTE 63: DEPRESSION OF PBI 36 ON CONSOLE 24 SMEK REPLACED -10 SERIES CALIBRATION CURVES IN THE MOC WITH THE -30 SERIES CURVE FOR MEASUREMENTS GT0992B AND GT0994V.

NOTE 64: DEPRESSION OF PBI CLEARS THE EXISTING INFORMATION FROM THE DISPLAY AND REINITIALIZES THE PLOT

NOTE 65: LEGEND FOR NAME PLATE ON MODULE

NOTE 66: CLEARS THE LIGHT LOGIC OF THE TOGGLE SWITCH CMD PANELS ON CONSOLE 2,11, AND 10.

NOTE 67: ASK-AIM-CLR19 INTERLOCK FOR PEN 1, 3, 5 REMOVED. INDICATOR ILLUMINATED FOR "BLANKING DISABLE" MODE.

NOTE 68: (OPEN NOTE)

NOTE 69: PBI DEPRESSED ON ANALOG INPUT MATRIX (AIM) WILL FLASH WHITE AND WILL CAUSE CORRESPONDING PBI ON ANALOG SELECT MATRIX (ASK) TO FLASH WHITE. WHEN THE FLASHING ASK PBI IS DEPRESSED BOTH PBI'S WILL CEASE FLASHING AND WILL BE ILLUMINATED GREEN. THE ASK IS USED TO SELECT THE INPUTS (ANY ONE OF 5) FOR EACH OF PENS 1 THRU 8 OF CRL 19.

NOTE 70: (OPEN NOTE)

NOTE 71: X ON LEFT SIDE OF SECOND LINE OF INDICATOR.

NOTE 72: (OPEN NOTE)

NOTE 73: (OPEN NOTE)

NOTE 74: 3/8" ARROW POINTING RIGHT ON RIGHT SIDE OF SECOND LINE OF INDICATOR.

NOTE 75: LONG ARROW POINTING LEFT ON LEFT SIDE OF SECOND LINE OF INDICATOR.

NOTE 76: (OPEN NOTE)

NOTE 77: (OPEN NOTE)

NOTE 78: M&O CALIBRATE ANALOG RECORDERS IAW PEN DEFLECTIONS PRESCRIBED THIS PHASE.

NOTE 79: (OPEN NOTE)

NOTE 84: (OPEN NOTE)

NOTE 80: THIS RELAY ENABLES AN AUDIBLE TONE TO LSB CONSOLES 16 & 29.

CONSOLE DETAIL NOTES (CON'T)

NOTE 81: THIS RELAY ENABLES AN AUDIBLE TONE TO CSB CONSOLES 07, 20 & 31.

NOTE 82: THIS RELAY ENABLES AN AUDIBLE TONE TO CSB CONSOLES 08 & 32.

NOTE 83: THIS RELAY ENABLES AN AUDIBLE TONE TO LSB CONSOLES 09, 21, 30 & 33.

NOTE 85: COMMAND STORED IN CCATS PRIORITY WORD LOCATION NO. 2.

NOTE 86: COMMAND STORED IN CCATS PRIORITY WORD LOCATION NO. 1.

NOTE 87: COMMAND STORED IN CCATS PRIORITY WORD LOCATION NO. 4.

NOTE 88: COMMAND STORED IN CCATS PRIORITY WORD LOCATION NO. 3.

NOTE 89: COMMAND STORED IN CCATS PRIORITY WORD LOCATION NO. 5.

NOTE 90: FOR PRELIMINARY PLANNING PURPOSES ONLY.

NOTE 91: SPECIAL CHARACTER IS UPPER CASE SIGMA.

NOTE 92: SUBSCRIPT IN PARENTHESES.

NOTE 93: LARGE DOT-LIKE SPOT ON LEFT SIDE OF SECOND LINE OF INDICATOR.

NOTE 94: SPECIAL CHARACTER IS LOWER CASE GAMMA.

NOTE 95: CENTER LABEL ON INDICATOR.

NOTE 96: SECOND WORD OF LABEL SUPERIMPOSED ON DIVIDING LINE OF SPLIT INDICATOR.

NOTE 97: SPECIAL CHARACTER IS LOWER CASE ALPHA.

NOTE 98: SPECIAL CHARACTER IS LOWER CASE RHO.

NOTE 99: BRUSH MARK 250 RECORDER IN LIFE SUPPORT SSR ON OTHER FLOOR USED DURING SUPPORT OF MISSION CONTROLLED FROM THIS FLOOR. USE OF RIGHT (REAR) JACK WITH IRIG D TIME CROSS CONNECTED AT MITE CONCURRED BY W. R. HAWKINS, M.D., DD-68-M-94.

CONSOLE DETAIL NOTES (CON'T)

NOTE 1A: EVENT CHANNELS ARE ACTIVE ONLY DURING THE TIME FORMAT 30 IS BEING TRANSMITTED TO HOUSTON AND REGARDLESS OF THE MEASUREMENT NUMBER APPEARING ON THE OVERLAY, THE FOLLOWING RELATIONSHIPS ARE HEREWITH ESTABLISHED: PCMF30-I (CCATS-PCMGS WORD 81) CONTAINS 8 BI LEVELS FOR THE LIGHT BEAM OSCILLOGRAPH.

BIT	MEAS NO	LBO CHAN
1	PCMF30XX1	08
2	PCMF30XX2	11
3	PCMF30XX3	26
4	PCMF30XX4	29
5	PCMF30XX5	44
6	PCMF30XX6	47
7	PCMF30XX7	62
8	PCMF30XX8	65

NOTE 1B: OUTPUT FOR THIS PEN IS SELECTED FROM ONE OF SIX SERIAL DECIMAL TIME CONVERTERS BY A SIX POSITION ROTARY SWITCH HAVING A SEPARATE LABEL FOR EACH POSITION. CLOCKWISE THE LABELS ARE IU EGMT, CSMEGMT, LM EGMT, MET (GL0501), CTE (CT0145), AND GMT.

NOTE 1C: THE MODULE NUMBER DIGITS HAVE THE FOLLOWING SIGNIFICANCE: FIRST DIGIT - 1=CSB REQUIREMENT, 4=LSB REQUIREMENT; SECOND DIGIT - 0=FORMAT 30 SUBFORMAT. REGARDLESS OF THE MEASUREMENT NUMBER APPEARING ON THE OVERLAY, THE FOLLOWING RELATIONSHIPS ARE HEREWITH ESTABLISHED:

MEAS NO	SAMPLE RATE	CCATS-PCM WORD NO	LBO CHAN
PCMF30-A	10 S/S	73	09
B	10 S/S	74	10
C	10 S/S	75	27
D	10 S/S	76	28
E	50 S/S	77,173,269,365,461	45
F	50 S/S	78,174,270,366,462	46
G	50 S/S	79,175,271,367,463	63
H	50 S/S	80,176,272,368,464	64

NOTE 1D: THESE PARAMETERS ARE PRESENT AS A RESULT OF INITIALIZATION ACTION TAKEN AT THE TELEMETRY INSTRUMENT CONTROL M.E.D.(CONSOLE 75). NOT MORE THAN 20 MINUTES TO BE REQUIRED FOR RECONFIGURATION.

NOTE 1E: SUBFORMATS OF HSD FORMAT 30 ARE TO BE AVAILABLE WITH AN ACCESS TIME OF 20 MIN.

NOTE 1F: OUTPUT FOR THIS PEN IS SELECTED BY THE LEFT 6-POSITION ROTARY SWITCH. CLOCKWISE THE TIMING SIGNALS ARE 1-PPM, SPCGT0145 (CTE), 12-PPS, 1-PPS, IRIG B, GMT. (PEN 1)

NOTE 1G: ANALOG DATA PROVIDED BY PCMGS TAPE 2.

CONSOLE DETAIL NOTES (CON'T)

NOTE 1H: ANALOG LINE IS INTERFACE BETWEEN FM/FM PATCH BOARD AND BLDG 45 ROOM 320 PORTABLE 6-PEN STRIP CHART RECORDER

NOTE 1I: UNUSED FOR D/TV, ALIGNMENT HOLES MAY BE SHOWN

NOTE 1J: NOT RECOMMENDED FOR USE BY D/TV DUE TO HIGH LIGHT INTENSITY, THIS PROBLEM DOES NOT EXIST IN DTE

NOTE 1K: DACS WHICH CAN BE MODIFIED HAVE BEEN ASSIGNED TO 20 ANALOG DISPLAY DEVICES AS FOLLOWS:

	PEN	DAC		PEN	DAC		CHAN	DAC
CRL20	1	012*A	CRL32	1	005	LBO	09	015*B
CRL20	2	013*A	CRL32	2	006	LBO	10	016*B
CRL20	3	014*A	CRL32	3	007	LBO	27	017*B
CRL20	4	003	CRL32	4	008	LBO	28	018*C
CRL20	5	004	CRL32	5	009	LBO	45	019*C
			CRL32	6	010	LBO	46	020*C
			CRL32	7	011	LBO	63	001
						LBO	64	002

WHERE *A DACS MODIFIED AS A GROUP
*B DACS MODIFIED AS A GROUP
*C DACS MODIFIED AS A GROUP

NOTE 1L: ANALOG DATA PROVIDED BY PCMGS TAPE 4.

NOTE 1M: ANALOG LINE IS INTERFACE BETWEEN FM/FM PATCHBOARD AND BLDG 30 ROOM 311 LIGHT BEAM OSCILLOGRAPH CHANNEL.

NOTE 1N: ANALOG LINE IS INTERFACE BETWEEN FM/FM PATCHBOARD AND BLDG 30 ROOM 311 CRL 34.

NOTE 1P: PARAMETERS OF SET 1 (CALLED FORMAT 1 IN THE DATA PACK) WILL BE RECORDED ONLY IF THE LEFT SWITCHES ON THE FMGS RACK ARE POSITIONED FOR OPTION "A" INPUT.

NOTE 1Q: PARAMETERS OF SET 2 (CALLED FORMAT 2 IN THE DATA PACK) WILL BE RECORDED ONLY IF THE LEFT SWITCHES ON THE FMGS RACK ARE POSITIONED FOR OPTION "B" INPUT.

NOTE 1T: OUTPUT FOR THIS PEN IS SELECTED BY THE RIGHT 6-POSITION ROTARY SWITCH. CLOCKWISE THE TIMING SIGNALS ARE 1-PPM, SPCGL0501 (MET), 12-PPS, 1-PPS, IRIG B, GMT. (PEN 17)

NOTE 1U: PCMFMT30 ANALOG DATA CAN BE RECORDED ON THIS RECORDER ONLY IF THE RIGHT SWITCHES ON THE FMGS RACK ARE POSITIONED FOR OPTION "I" INPUT.

NOTE 1W: ELECTRICAL SYSTEM ANALOG DATA CAN BE RECORDED ON THIS RECORDER ONLY IF THE RIGHT SWITCHES ON THE FMGS RACK ARE POSITIONED FOR OPTION "II" INPUT.

CONSOLE DETAIL NOTES (CON'T)

NOTE 2A: SPECIAL CHARACTER IS LOWER CASE BETA

NOTE 2B: SPECIAL CHARACTER IS LOWER CASE DELTA

NOTE 2C: SPECIAL CHARACTER IS LOWER CASE EPSILON

NOTE 2D: SPECIAL CHARACTER IS LOWER CASE ETA

NOTE 2E: SPECIAL CHARACTER IS LOWER CASE THETA

NOTE 2F: SPECIAL CHARACTER IS UPPER CASE LAMBDA

NOTE 2G: SPECIAL CHARACTER IS LOWER CASE LAMBDA

NOTE 2H: SPECIAL CHARACTER IS LOWER CASE MU

NOTE 2I: SPECIAL CHARACTER IS LOWER CASE NU

NOTE 2J: SPECIAL CHARACTER IS LOWER CASE PI

NOTE 2K: SPECIAL CHARACTER IS LOWER CASE SIGMA

NOTE 2L: SPECIAL CHARACTER IS UPPER CASE PHI

NOTE 2M: SPECIAL CHARACTER IS UPPER CASE PSI

NOTE 2N: SPECIAL CHARACTER IS LOWER CASE PSI

NOTE 2O: SPECIAL CHARACTER IS UPPER CASE OMEGA

NOTE 2P: SPECIAL CHARACTER IS LOWER CASE OMEGA

NOTE 2Q: SPECIAL CHARACTER TWO LINES PERPENDICULAR

NOTE 2R: SPECIAL CHARACTER DEGREE

NOTE 2S: SPECIAL CHARACTER ANGLE

NOTE 2T: SPECIAL CHARACTER LEFT BRACKET

NOTE 2U: SPECIAL CHARACTER CYCLES

NOTE 2V: SPECIAL CHARACTER DOT BOX

NOTE 2W: SPECIAL CHARACTER RIGHT BRACKET

NOTE 2X: SPECIAL CHARACTER BOX

NOTE 2Y: SPECIAL CHARACTER CLOSED STAR ILLEGAL FOR D/TV

NOTE 2Z: SPECIAL CHARACTER CONCENTRIC CIRCLES

CONSOLE DETAIL NOTES (CON'T)

NOTE 3A: SPECIAL CHARACTER FOWARD WEDGE

NOTE 3B: SPECIAL CHARACTER OPEN STAR

NOTE 3C: PLACE DOT ABOVE DENOMINATOR (FIRST TIME-DERIVITIVE)

NOTE 3D: MODULE LABEL TO LEFT OF IND. 01

NOTE 3E: MODULE LABEL TO LEFT OF IND. 02

NOTE 3F: MODULE LABEL TO LEFT OF IND. 03

NOTE 3G: MODULE LABEL ABOVE IND. 01

NOTE 3H: MODULE LABEL ABOVE IND. 04

NOTE 3I: MODULE LABEL ABOVE IND. 07

NOTE 3J: MODULE LABEL ABOVE IND. 10

NOTE 3K: MODULE LABEL ABOVE IND. 13

NOTE 3L: CENTER LABEL ON UPPER HALF

NOTE 3M: CENTER LABEL ON LOWER HALF, USE 48 POINT TYPE

NOTE 3N: CENTER,THAT WHICH IS IN PARENTHESIS,ON LOWER LEFT SIDE. USE 24 POINT TYPE.

NOTE 3O: CENTER,THAT WHICH IS IN PARENTHESIS,ON LOWER RIGHT SIDE. USE 24 POINT TYPE.

NOTE 3P: CENTER LABEL. USE 24 POINT TYPE.

NOTE 3R: CENTER LABEL ON UPPER HALF, USE 24 POINT TYPE.

NOTE 3S: CENTER LABEL ON LOWER HALF, USE 24 POINT TYPE.

NOTE 3T: LOWER HALF, TO BE HALF CIRCLE BACKGROUND.

NOTE 4A: CSM LAUNCH. TAPE 2 FORMAT 9

NOTE 4B: CSM LAUNCH & EPS SPECIAL. TAPE 2 FORMAT 8

NOTE 4C: CSM COAST EPS NORMAL. TAPE 2 FORMAT 7

NOTE 4D: CSM MANEUVER EPS SPECIAL. TAPE 2 FORMAT 6

NOTE 4E: CSM PTC MON & EPS SPECIAL. TAPE 2 FORMAT 5

NOTE 4F: CSM COAST & EVA EPS SPECIAL. TAPE 2 FORMAT 4

CONSOLE DETAIL NOTES (CON'T)

NOTE 4G: SLV LAUNCH/EPS NORMAL. TAPE 4 FORMAT 9

NOTE 4H: CSM EPS SPECIAL & FUEL CELLS. TAPE 4 FORMAT 8

NOTE 4I: UNSTG/PLSS. TAPE 4 FORMAT 7

NOTE 4J: STG/PLSS. TAPE 4 FORMAT 6

NOTE 4K: UNSTG/CSM. TAPE 4 FORMAT 5

NOTE 4L: STG/CSM. TAPE 4 FORMAT 4

NOTE 4S: PEN IS DRIVEN BY TED AND DEFLECTS RIGHT FOR EVENT BUT DOES NOT DEFLECT FOR NO-EVENT.

NOTE 5A: PAGE V-03-04-01 BITS 4-6 DTE OCTAL 0

NOTE 5B: PAGE V-03-04-01 BITS 4-6 DTE OCTAL 1

NOTE 5C: PAGE V-03-04-01 BITS 4-6 DTE OCTAL 2

NOTE 5D: PAGE V-03-04-01 BITS 4-6 DTE OCTAL 3

NOTE 5E: PAGE V-03-04-01 BITS 4-6 DTE OCTAL 4

NOTE 5F: FUNCTION CODE UP 1 SPACE

NOTE 5G: FUNCTION CODE UP 1/2 SPACE

NOTE 5H: FUNCTION CODE BACK 1 SPACE

NOTE 5I: FUNCTION CODE DOWN 1 SPACE

NOTE 5J: FUNCTION CODE DOWN 1/2 SPACE

NOTE 5K: FUNCTION CODE DELETE

NOTE 5L: FUNCTION CODE MARGIN RETURN

NOTE 5M: FUNCTION CODE DYNAMIC

NOTE 5N: FUNCTION CODE END OF TRANSMISSION

NOTE 5O: FUNCTION CODE CARRIAGE RETURN

NOTE 5P: AT:AS 200 @ $1 EACH

NOTE 5Q: FUNCTION CODE CHARACTER SPACE (CURSOR ADVANCE 1 SPACE)

NOTE 5R: FUNCTION CODE INCREMENT

NOTE 5S: FUNCTION CODE REPEAT