

# LM FLIGHT PLAN

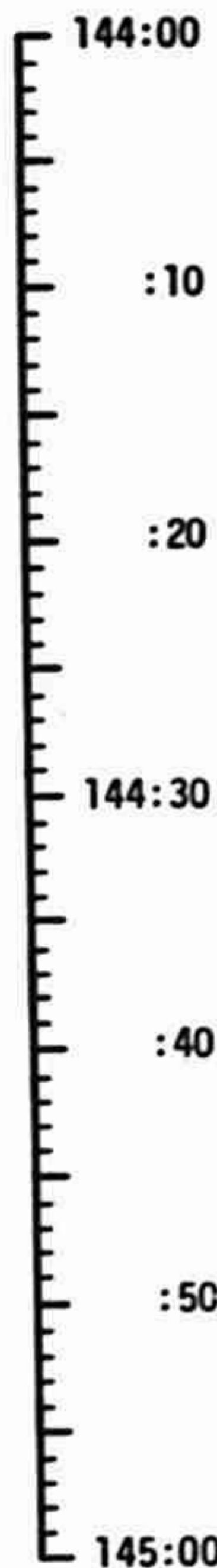
MCC-H

1154 CST

CDR

LMP

NOTES



X  
M  
S  
F  
N

REST PERIOD  
(8 HOURS)

POST-SLEEP  
ACTIVATE LGC, RESET LGC CLOCK, LGC TO STANDBY  
  
STOW HAMMOCKS

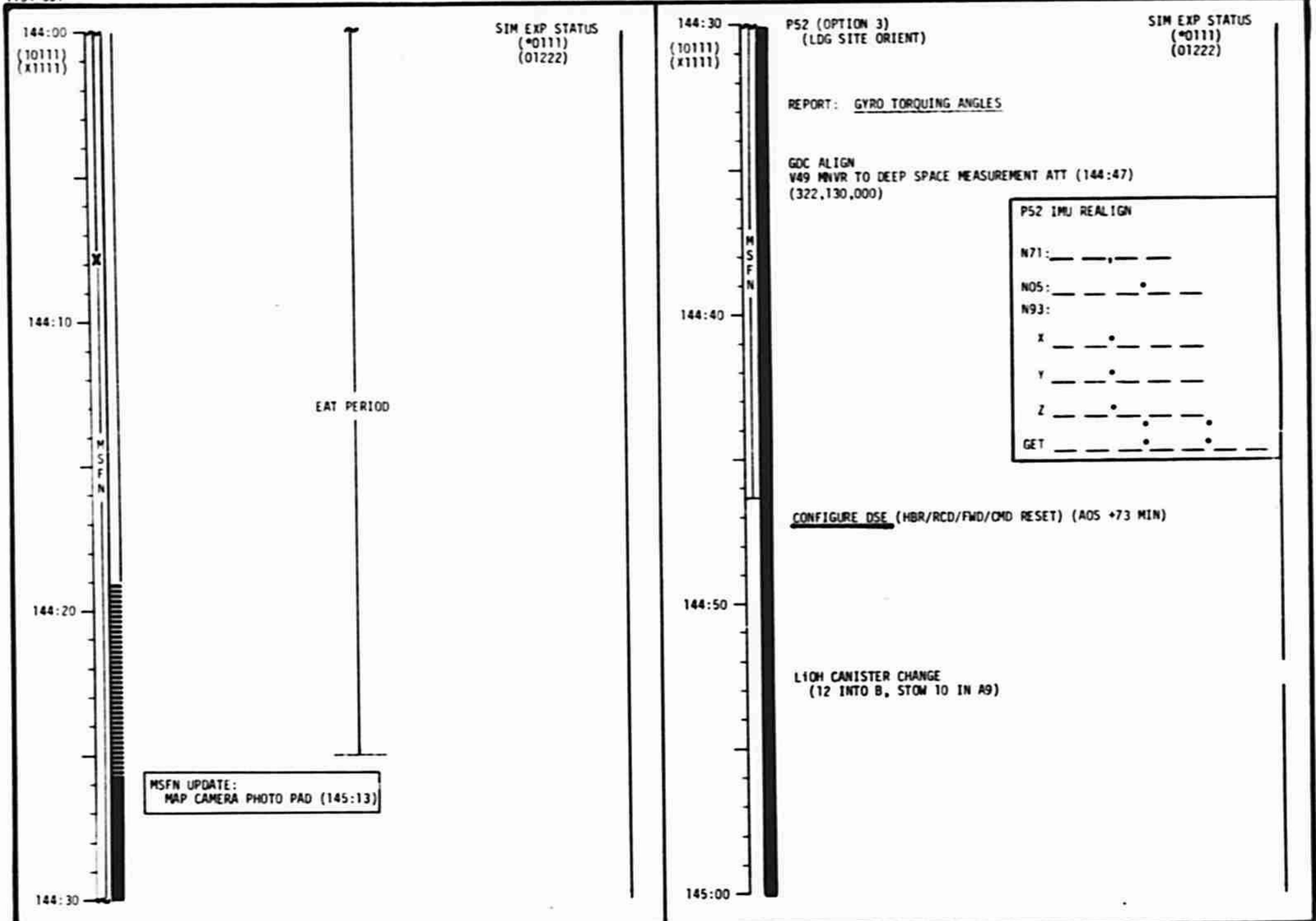
STAY/NO-STAY FOR  
EVA-3

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	144:00 - 145:00	6-7/36	3-204

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

1154 CST



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-205

# LM FLIGHT PLAN

MCC-H

1254 CST

CDR

LMP

NOTES

UPDATE TO LM  
TIME OF LIFT-OFF  
FOR REVS 37-43

145:00  
:10  
:20  
145:30  
:40  
:50  
146:00

M  
S  
F  
N

CREW STATUS (FOOD, MEDICATION, SLEEP)

PLSS O<sub>2</sub> TOP OFF

EAT PERIOD

EVA-3 PLANNING PERIOD  
UPDATE CUFF CHECKLIST AS REQD

CSM REV 37

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	145:00 - 146:00	7/36-37	3-206

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

<p>145:00 (10101) (X1111)</p> <p>(P20) (0.5°DB)</p> <p>145:10</p> <p>REV 37</p> <p>145:20</p> <p>145:30</p>	<p>CYCLE CMC MODE - FREE/AUTO V48 (10101) (X1111)</p> <p>P20 OPT 5 (40°N OBLIQUE PHOTO ATT)(145:18) N78 (+090.00) (+012.25) (+180.00) N79 (+000.50) (102,000/081,000)</p> <p>SET OMNI <u>D</u> FOR AOS ACQ</p> <p>MC/LA COVER - OPEN MC - EXT0</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>MAP CAMERA PHOTO PAD</p> <p>T-START: _____ : _____</p> <p>T-STOP: _____ : _____</p> <p>(159.9°E TO 20.7°W)</p> </div> <p>IMAGE MTN - ON MC - ON (T START) IMAGE MTN-INCR (BP +3 STEPS)/ON</p> <p>CONFIGURE CAMERA: (ORBITAL SCIENCE) CMS/EL/250/CEX-1VL (f11,1/250,-) 7 FR</p> <p>MAG (PP) _____ FR # _____</p>	<p>SIM EXP STATUS (*0111) (01222)</p>	<p>145:30 (P20) (0.5°DB)</p> <p>(10101) (X1111)</p> <p>145:40</p> <p>145:50</p> <p>146:00</p>	<p>SIM EXP STATUS (*1111) (04222)</p> <p>ACQ MSFN OMNI <u>D</u></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>ORBITAL SCIENCE PHOTOS</p> <p>SAENGER (P10-B5) CMS (f11,1/250,-) 7 FR <b>ROOSTER TAIL, CONVERGENT STEREO</b></p> </div> <p>RECORD FR # _____</p> <p>ACQ MSFN HGA: MAN, WIDE P 10, Y 0 S-BD ANT IND &gt; 1/2 SCALE HGA: REACQ, NARROW</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>MSFN CMDS: (~AOS +11 MIN) DSE (STOP/REWIND) CUE: HGA AUTO</p> </div> <p>PC: MODE - STBY PWR - ON</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>MSFN CMDS: (AOS +18 MIN) DSE PLAYBACK</p> </div> <p>PREPARE FOR ORBITAL SCIENCE VISUALS</p>	<p>SIM EXP STATUS (*1111) (04222)</p>
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MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	3-207







MCC-H

1454 CST

# LM FLIGHT PLAN

CDR

LMP

NOTES

147:00	M S F N	PREP FOR EVA-3 STOW ALL LOOSE ITEMS NOT REQUIRED FOR EVA	-1:20
:10			CSM REV 38
:20		EQUIPMENT PREP FOR EVA-3 CHECKOUT OPS APPLY ANTI FOG TO HELMETS STOW HELMET BAGS STOW ETB UNLOCK FWD HATCH HANDLE	-1:10
147:30		PLSS DOWNING CONFIGURE LMP PLSS ATTACH OPS TO PLSS CONNECT RCU	-1:00
:40		CDR REPEAT PLSS DOWNING	-0:50
:50		PLSS COMM CHECK VERIFY POWERDOWN CB CONFIGURATION CONFIGURE COMM FOR EVA, BIOMED - OFF, RECORDER - ON COMM & TM CHECK, REPORT: <u>PLSS O<sub>2</sub> QUANTITY</u> FINAL SYSTEMS PREP	-0:40
148:00			-0:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	147:00 - 148:00	7/37-38	3-210

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN

1454 CS1

147:00  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

147:10  
REV 38

147:20

147:30

SIM EXP STATUS  
(+1111)  
(03222)

CREW EXERCISE PERIOD

CMC MODE - FREE  
V22N79 (+000.50)  
CMC MODE - AUTO

IMAGE MTN - ON  
MC - ON (T START)  
IMAGE MTN - INCR (BP +4 STEPS)/ON

TERMINATOR PHOTOS  
MILLS (P4-B2) CMS

**FLAT AREA  
BETWEEN CRATERS  
(66.6, 1/25, 00) 6FR**

RECORD FR # \_\_\_\_\_

MAP CAMERA PHOTO PAD

T-START: \_\_\_\_\_ : \_\_\_\_\_

T-STOP: \_\_\_\_\_ : \_\_\_\_\_

(174.9°E TO 23.7°W) (1-1/2 REVS)

147:30  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

147:40

147:50

148:00

SIM EXP STATUS  
(+1111)  
(02222)

ACQ MSFN HGA: MAN. WIDE P 10, Y 0  
S-BD ANT IND > 1/2 SCALE HGA: REACQ. NARROW

MSFN CMDS: (~AOS +7 MIN)  
DSE (STOP/REWIND)  
CUE: HGA AUTO

MSFN CMDS: (AOS +14 MIN)  
DSE PLAYBACK

EAT PERIOD

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-211



# LM FLIGHT PLAN

MCC-H

1554 CST

CDR

LMP

NOTES

GO/NO-GO FOR CABIN  
DEPRESS

148:00  
:10  
:20  
148:30  
:40  
:50  
149:00

X  
M  
S  
F  
N  
T  
I  
V

OPS CONNECT LMP, THEN CDR CONNECT PLSS/OPS HOSES TO PGA	
HELMET/GLOVE DONNING PLSS FANS - ON DON HELMETS & LEVA'S VERIFY EVA CB CONFIGURATION DON GLOVES PRESS REGS A&B - EGRESS	
PRESSURE INTEGRITY CHECK	
CABIN DEPRESS START WATCH AT 3.5 PSIA	
FINAL PREP FOR EVA PARTIALLY OPEN FWD HATCH FINAL PREP FOR EGRESS OPEN HATCH	
EGRESS LOWER ETB TO SURFACE	ASSIST CDR VERIFY EVA CB CONFIGURATION
RESET FAR UV CAMERA  TV POWER ON	EGRESS CLOSE HATCH  UNPACK ETB
PLSS LOADUP	PLSS LOADUP

-0:20  
GDS 210 AOS

-0:10

0:00/START EVA-3

+0:10

+0:20  
NOTE: TV WILL NOT BE  
USED WHILE LRV IS IN  
MOTION

+0:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	148:00 - 149:00	7/38	3-212

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

1554 CST

148:00  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

148:10

148:20

148:30

SIM EXP STATUS  
(+1111)  
(02222)

IMAGE MTN - INCR (BP)/ON

EAT PERIOD

GR: SHIELD - OFF

GR: GAINSTEP - ON (UP) 4 STEPS (STEP 3)/SHIELD - ON (CTR)  
MS - RETR TO 0.9 FEET (2 MIN 01 SEC)  
*Obtain Sunrise Solar Corona Tape & check Batteries*

148:30  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

148:30  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

148:40

148:50

149:00

SIM EXP STATUS  
(+1111)(+1121)  
(02222)

MSFN CMD5: (AOS +66 MIN)  
DSE REWIND

CONFIGURE DSE (HBR/RCD/FWD/CMD RESET)(AOS +73 MIN)

CSM EXP/EVA CHECKLIST

**WATCH FOR PAN CAMERA AT COMPLETION OF THE PASS**

SOLAR CORONA (SUNRISE), *PAGE X/2-11*  
MAG (HH)  
MAG (SS)

149:00

MISSION	EDITION	DATE	PAGE
APOLLO 16	<i>CHANGE FROM</i> (4/16)	<i>10/72</i> (P2)	3-213

# LM FLIGHT PLAN

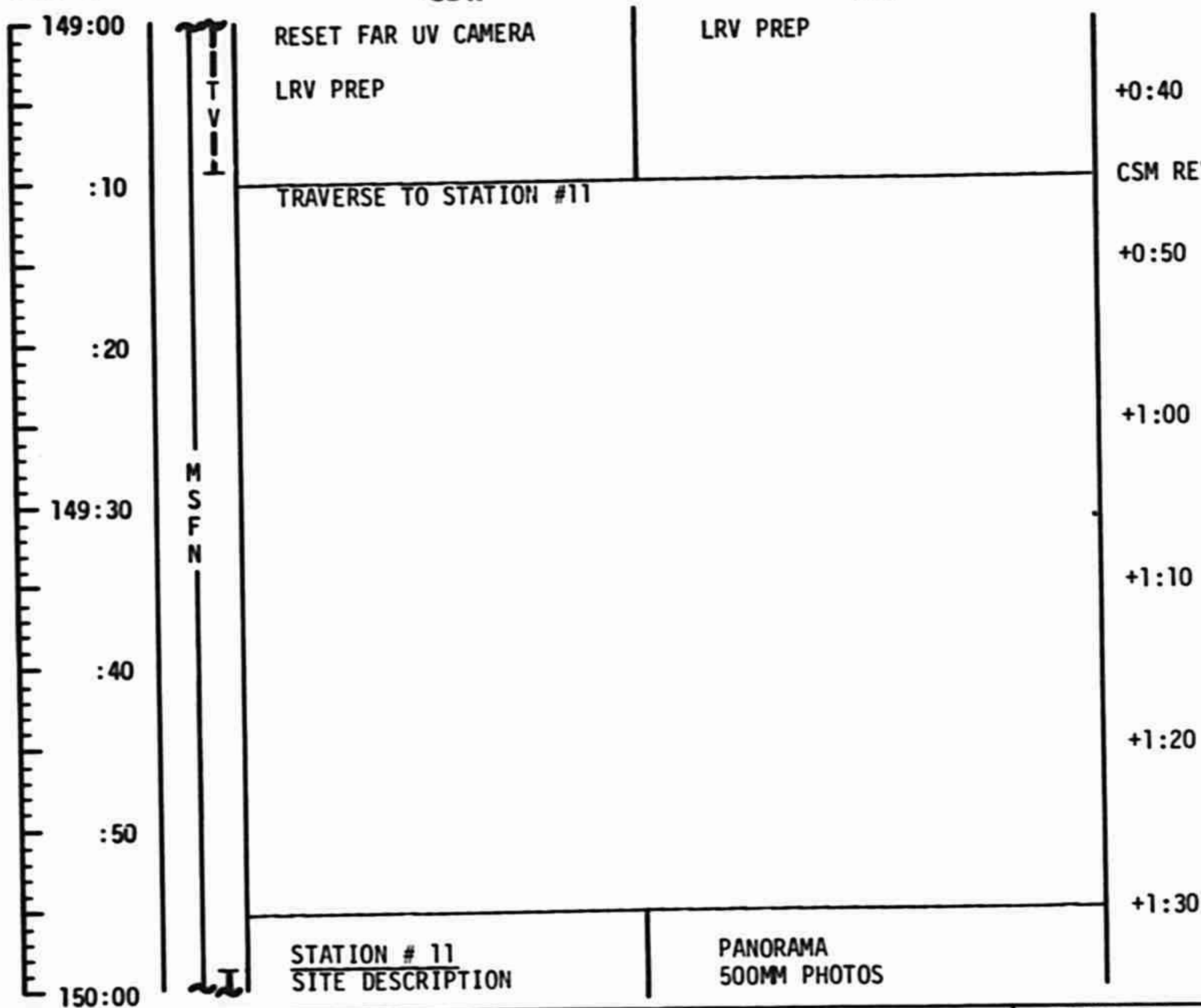
MCC-H

1654 CST

CDR

LMP

NOTES

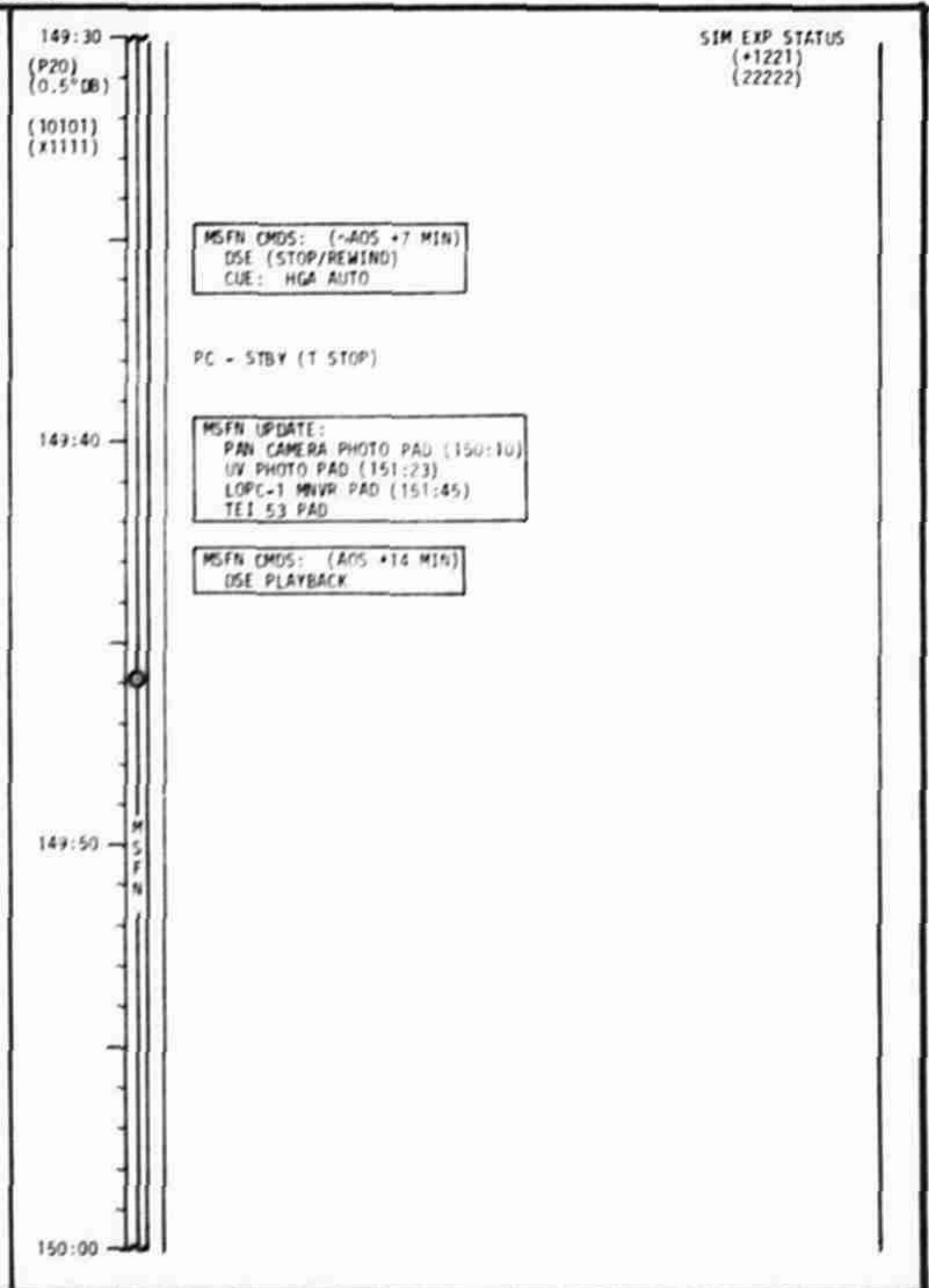
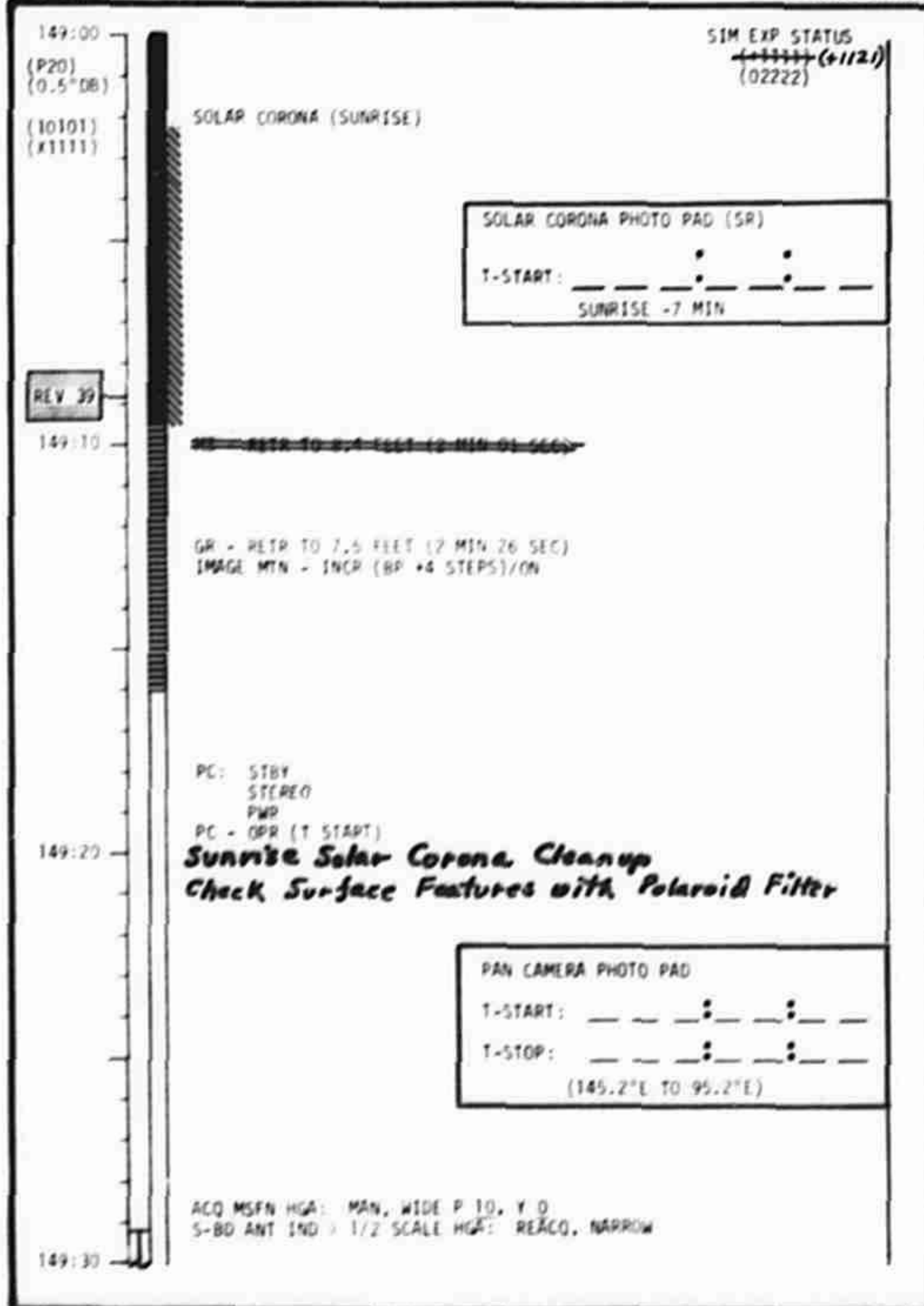


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	149:00 - 150:00	7/38-39	3-214

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	Clg C, 44124 (4/16)	<del>4/17/72</del> 1/10/72	3-215



# LM FLIGHT PLAN

MCC-H

1754 CST

CDR

LMP

NOTES

150:00	X	SET UP FOR NEAR FIELD POLARIMETRIC PHOTOS	FAR FIELD POLARIMETRIC PHOTOS #1	
:10		SAMPLING FOR NEAR FIELD POLARIMETRIC PHOTOS	NEAR FIELD POLARIMETRIC PHOTOS	+1:40
:20	T V	SAMPLING	SAMPLING	+1:50
150:30	M S F N			+2:00
:40		PANORAMA	FAR FIELD POLARIMETRIC PHOTOS #2	+2:10
:50		TRAVERSE TO STATION #12		+2:20
		STATION #12 SITE DESCRIPTION	PANORAMA 500MM PHOTOS	+2:30
151:00	T V	RAKE/SOIL SAMPLE	RAKE/SOIL SAMPLE	

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	150:00 - 151:00	7/39	3-216

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

1754 CST

<p>150:00 (P20) (0.5°DB) (10101) (X1111)</p> <p>PC: STBY STEREO PWR (VERIFY) PC - OPR (T START) IMAGE MTN - INCR (BP)/ON</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">PAN CAMERA PHOTO PAD</p> <p>T-START: _____ : _____</p> <p>T-MONO: _____ : _____</p> <p>T-STOP: _____ : _____</p> <p style="text-align: center;">(18.0°E TO 22.7°W)</p> </div> <p style="margin-top: 10px;"><i>Check Surface Features with Polaroid Filter Re R Move by Lassell</i></p> <p>PC - MONO (T STOP -2:00)</p> <p>PC - STBY (T STOP) MC - OFF (T STOP) WAIT 30 SEC MC - STBY IMAGE MTN - OFF PC - OFF (MSFN CUE) MS: ION SOURCE - OFF EXP - STBY CAUTION: WAIT 5 MIN BEFORE RETRACTING BOOM</p> <p>MC - RETR LA - OFF XR - STBY GR - RETR</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>MSFN UPLINK: CSM S.V. LOPC-1 TGT LOAD DESIRED ORIENT (LOPC-1)</p> </div> <p>MS - RETR MC/LA COVER - CLOSE AP/XR COVER - CLOSE POO, ENABLE ALL JETS V49 MVR TO P52 ATT (150:32) (142,250,042) HGA P -14, Y 250</p> <p>CONFIGURE FOR URINE DUMP</p> <p>150:30 (10101) (X1111)</p>	<p style="text-align: right;">SIM EXP STATUS (+1221) (12222)</p> <p>150:30 (10101) (X1111)</p> <p>P52 (OPTION 3) (LOG SITE ORIENT)</p> <p>REPORT: <u>GYRO TORQUING ANGLES</u></p> <p>P52 (OPTION 1) (LOPC-1 ORIENT)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>MSFN CMDS: (AOS +66 MIN) DSE REWIND</p> </div> <p>GDC ALIGN</p> <p><u>CONFIGURE DSE</u> (LBR/RCD/FWD/OMD RESET) (AOS +73 MIN)</p> <p>O<sub>2</sub> FUEL CELL PURGE WASTE WATER DUMP URINE DUMP</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">P52 IMU REALIGN</p> <p>N71: _____</p> <p>N05: _____</p> <p>N92: _____</p> <p>X _____</p> <p>Y _____</p> <p>Z _____</p> <p>GET _____</p> </div> <p>TERMINATE WASTE WATER DUMP AT 10X</p> <p>151:00</p> <p style="text-align: right;">SIM EXP STATUS (*0000) (01214)</p>
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MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-217

# LM FLIGHT PLAN

MCC-H

1854 CST

CDR

LMP

NOTES



SAMPLING

SAMPLING

+2:40  
CSM REV 40

+2:50

+3:00

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	151:00 - 151:30	7/39-40	3-218

FLIGHT PLANNING BRANCH

1854 CST

# CSM FLIGHT PLAN

SIM EXP STATUS  
(\*0000)  
(01214)

### CSM EXP/EVA CHECKLIST

LUNAR HORIZON AND EARTH UV PHOTO, *PAGE 1/2-23*

MAG (OO)

MAG (PP)

V49 MNVR TO LUNAR HORIZON/EARTH PHOTO ATT (151:20)  
(189,000,341)

SET OMNI D FOR AOS ACQ

REV 40

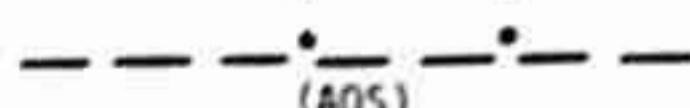
151:00  
(10101)  
(x1111)

151:10

151:20

151:30

UV PHOTO PAD

T-START:   
(AOS)

ACQ MSFN OMNI D  
LUNAR HORIZON AND EARTH UV PHOTO

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGING INITIALS (4/16)	3/27/72 37672-e (161)	3-219



# LM FLIGHT PLAN

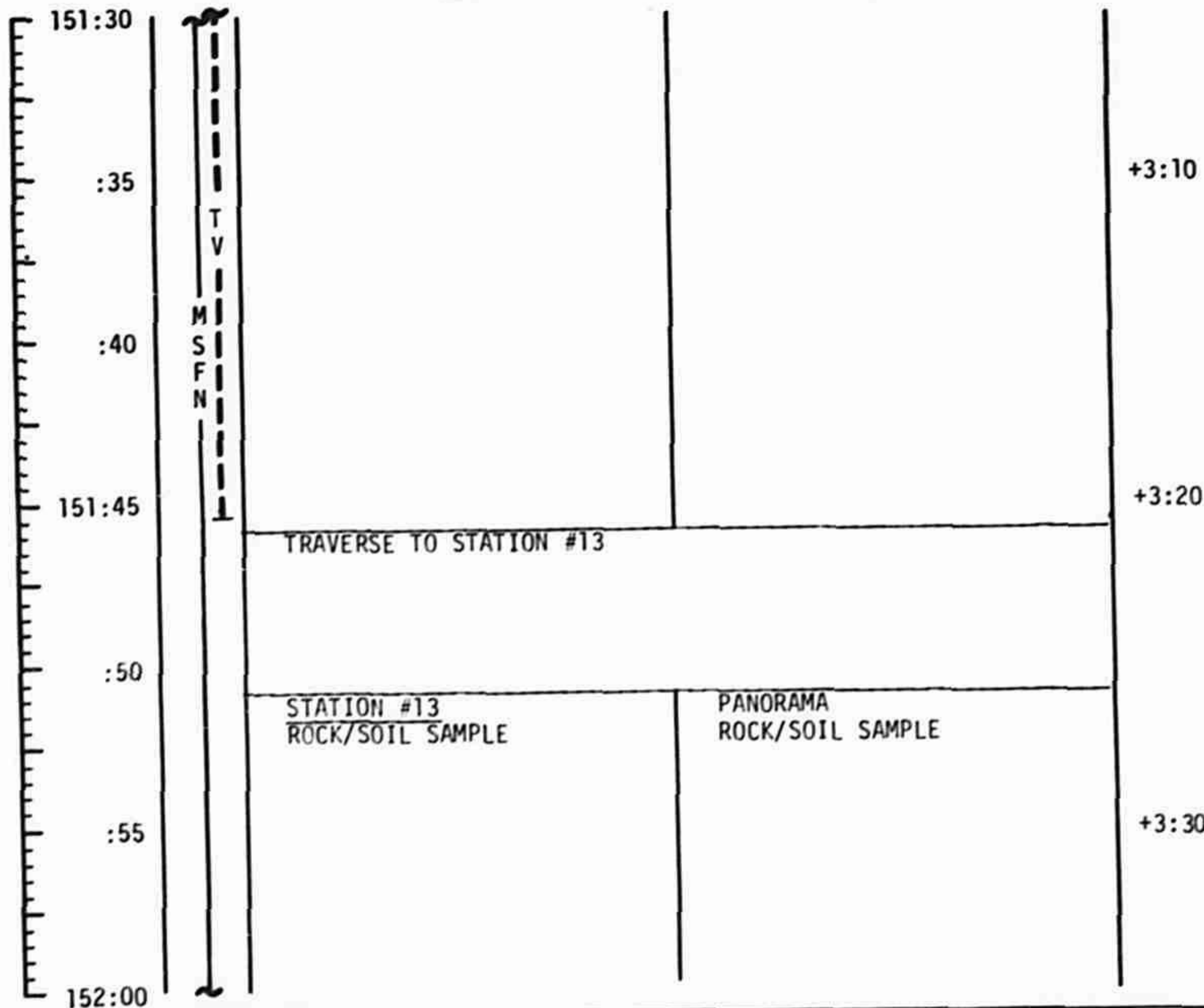
MCC-H

1924 CST

CDR

LMP

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	151:30 - 152:00	7/40	3-220

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

SIM EXP STATUS  
 (\*0000)  
 (01214)

151:30  
 (10101)  
 (X1111)

MSFN  
 SFN

151:40

151:50

152:00

P30 VERIFY LOPC-1 TIG AND ΔVs

V49 MNVR TO LOPC-1 BURN PAD ATT (151:57)  
 HGA P -17, Y 285

MSFN CMDS:  
 DSE DUMP

P30 MANEUVER

SET STARS	L	O	P	C	-	I	PURPOSE
	S	P	S/G	&	N	PROP/GUID	
	•						WT N47
R ALIGN		0	0		•		P TRIM N48
P ALIGN		0	0		•		Y TRIM
Y ALIGN	•	0	0				HRS GET1
	•	0	0	0			MIN N33
	•	0			•		SEC
ULLAGE						•	ΔV <sub>X</sub> N81
						•	ΔV <sub>Y</sub>
						•	ΔV <sub>Z</sub>
	X	X	X				R (000)
	X	X	X				P (000)
	X	X	X				Y (000)
	•					•	H <sub>A</sub> N44
						•	H <sub>P</sub>
	•					•	ΔVT
	X	X	X		•		BT
	X				•		ΔVC
	X	X	X	X			SXTS
	•					0	SFT
	•					0 0	TRN
	X	X	X				BSS
	X	X				•	SPA
	X	X	X			•	SXP

# LM FLIGHT PLAN

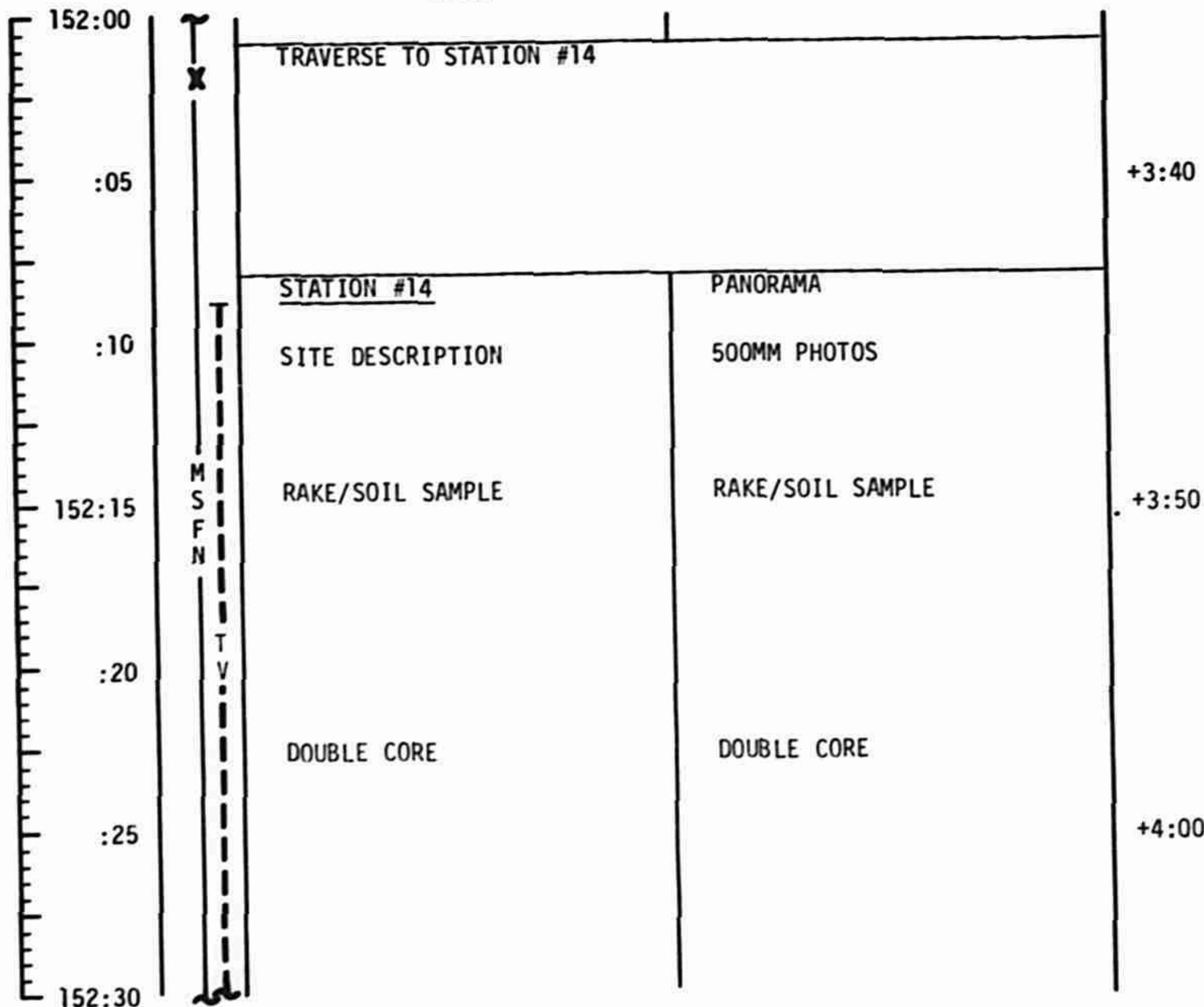
MCC-H

1954 CST

CDR

LMP

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	152:00 - 152:30	7/40	3-222

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

1954 CST

SIM EXP STATUS  
(\*0000)  
(01214)

152:00  
(10101)  
(x1111)

M  
S  
F  
N

(P40)  
(0.5"NB)

152:10

152:20

(10101)  
(x1111)

152:30

PRE SPS BURN SIM PREP (CUE CARD)

SET DET COUNTING UP TO LOPC-1

SECURE EQUIPMENT FOR LOPC-1

P40 (TRIM)

SXT STAR CHECK

## SINGLE BANK

MSFN UPDATE:  
GO/NO-GO FOR LOPC-1

LOPC-1 (000,000,000)

TIG: 152:28:48.1  
BT: 9.1 SEC  
ΔVT: 158.7 FPS  
ULLAGE: 2 JET, 17 SEC  
ORBIT: 62.0 x 57.3

P00

LOPC-1 BURN TABLE			
P OR Y RATES	ATT DEVIATION	SHUTDOWN TIME	RESIDUALS
10°/SEC TERMINATE	+10° TERMINATE	BT +1 SEC	TRIM $V_{gy}$ TO 0.2 FPS IF $-V_{gy}$ ROLL 90° CCW AND USE -2 THRUSTERS

BURN STATUS REPORT				
X	X			ΔTIG
X	X			BT
				$V_{gx}$
TRIM				
X	X	X		R
X	X	X		P
X	X	X		Y
				$V_{gx}$
				$V_{gy}$
				$V_{gz}$
				ΔV <sub>c</sub>
X				FUEL
X				OX
X				UNBAL



# LM FLIGHT PLAN

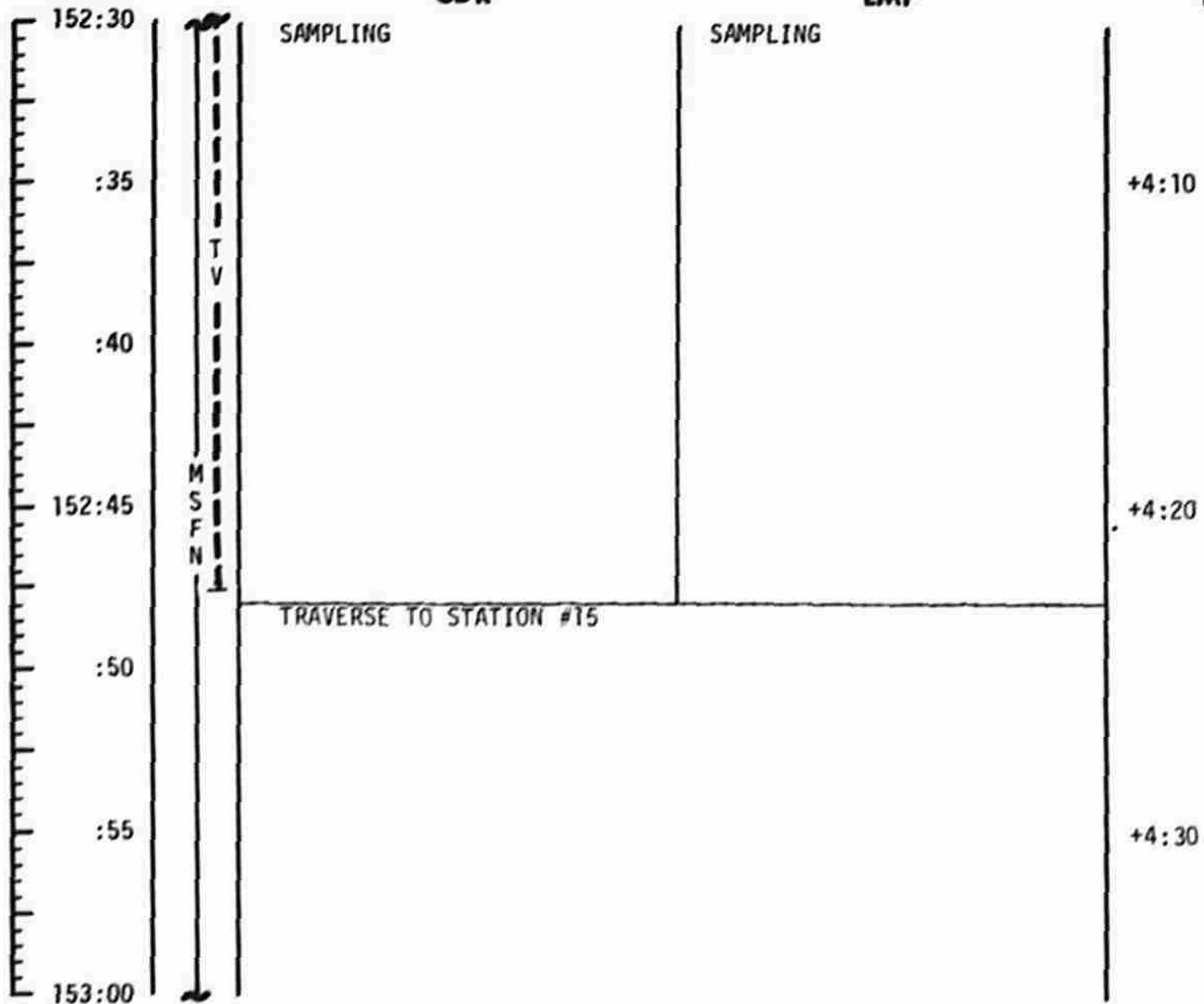
MCC-H

2024 CST

CDR

LMP

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	152:30 - 153:00	7/40	3-224

FLIGHT PLANNING BRANCH

## CSM FLIGHT PLAN

152:30  
(10101)  
(X1111)

MSFN CMDS:  
DSE DUMP  
REPORT: BURN STATUS

SIM EXP STATUS  
(\*0000)  
(31000)

M  
S  
F  
N

MSFN UPLINK:  
DESIRED ORIENT (LIFT-OFF)

INHIBIT ALL JETS EXCEPT - A1 & C2 OR D1 & B2, A3, C4, B3, D4  
V49 MNVR TO P52 ATT (152:48)  
(219,315,015)

MSFN CMDS:  
DSE RECORD

152:40

VERIFY DSE TAPE MOTION (HBR/RCD/FWD/OMD RESET)

POST SPS BURN SIM PREP (CUE CARD)

AP/XR COVER - OPEN

XR - ON

MS - DPLY

GR - DPLY

MS: EXP - ON  
ION SOURCE - STBY

P52 (OPTION 1)  
(LIFT-OFF ORIENT)

152:50

(P20)  
(3.0"DB)

GDC ALIGN  
P20 OPT 5 (-X FWD SIM ATT)(153:00)  
N79 (+003.00)  
SET HGA P 0, Y 170 FOR AOS ACQ

CONFIGURE CAMERA: (MASS SPECT BOOM PHOTOS)  
CMS/DAC/18/BW164-BRKT,MIR(15.6,1/250,-) 1 fps (762)

MAG (1) \_\_\_\_\_, MAG 2 \_\_\_\_\_  
UTILITY PWR - ON

153:00

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-225

MCC-H

2054 CST

# LM FLIGHT PLAN

CDR

LMP

NOTES

153:00 :10 :20 153:30 :40 :50 154:00	M S F N T V 	STATION #15 LPM MEASUREMENT	PANORAMA ROCK/SOIL SAMPLE
		TRAVERSE TO STATION #16	
		STATION #16 LPM MEASUREMENT	PANORAMA ROCK/SOIL SAMPLE
		TRAVERSE TO STATION #17	
		STATION #17 SITE DESCRIPTION RAKE/SOIL SAMPLE	PANORAMA SITE DESCRIPTION RAKE/SOIL SAMPLE
		LPM MEASUREMENT	SAMPLING
		SAMPLING	

+4:40

CSM REV 41

+4:50

+5:00

+5:10

+5:20

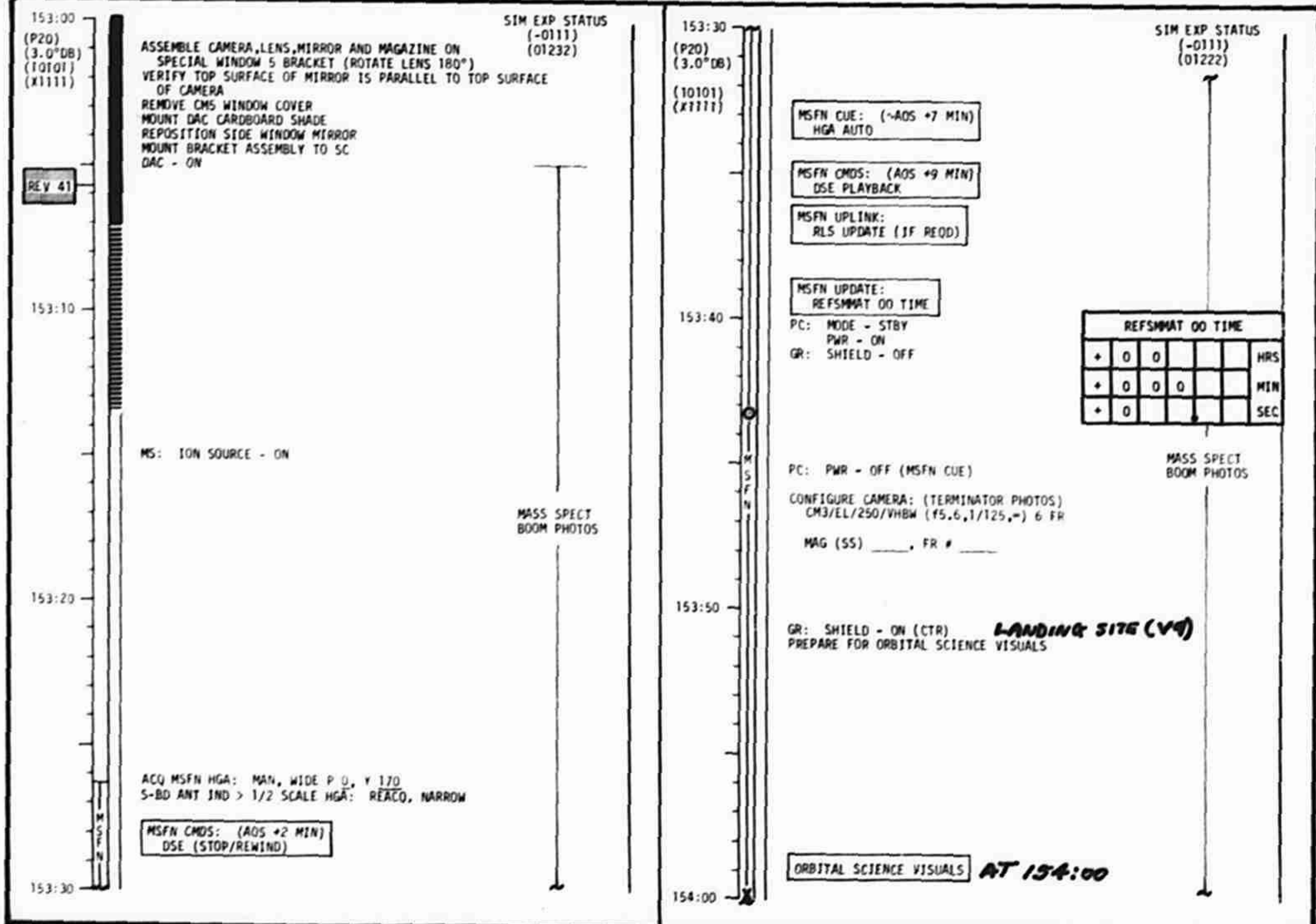
+5:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	153:00 - 154:00	7/40-41	3-226

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN



153:00  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

REV 41

153:10

153:20

153:30

ASSEMBLE CAMERA, LENS, MIRROR AND MAGAZINE ON SPECIAL WINDOW 5 BRACKET (ROTATE LENS 180°) VERIFY TOP SURFACE OF MIRROR IS PARALLEL TO TOP SURFACE OF CAMERA  
REMOVE CMS WINDOW COVER  
MOUNT DAC CARDBOARD SHADE  
REPOSITION SIDE WINDOW MIRROR  
MOUNT BRACKET ASSEMBLY TO SC  
DAC - ON

SIM EXP STATUS  
(-0111)  
(01232)

MS: ION SOURCE - ON

MASS SPECT  
BOOM PHOTOS

ACQ MSFN HGA: MAN, WIDE P D, Y 170  
S-BD ANT IND > 1/2 SCALE HGA: REACO, NARROW

MSFN CMDS: (AOS +2 MIN)  
DSE (STOP/REWIND)

153:30  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

153:40

153:50

154:00

MSFN CUE: (~AOS +7 MIN)  
HGA AUTO

MSFN CMDS: (AOS +9 MIN)  
DSE PLAYBACK

MSFN UPLINK:  
RLS UPDATE (IF REQD)

MSFN UPDATE:  
REFSMAT OO TIME

PC: MODE - STBY  
PWR - ON  
GR: SHIELD - OFF

PC: PWR - OFF (MSFN CUE)

CONFIGURE CAMERA: (TERMINATOR PHOTOS)  
CM3/EL/250/VH BW (f5.6, 1/125, -) 6 FR

MAG (SS) \_\_\_\_\_, FR # \_\_\_\_\_

GR: SHIELD - ON (CTR)  
PREPARE FOR ORBITAL SCIENCE VISUALS

ORBITAL SCIENCE VISUALS **AT 154:00**

SIM EXP STATUS  
(-0111)  
(01222)

REFSMAT OO TIME				
+	0	0		HRS
+	0	0	0	MIN
+	0			SEC

MASS SPECT  
BOOM PHOTOS

**LANDING SITE (V9)**



# LM FLIGHT PLAN

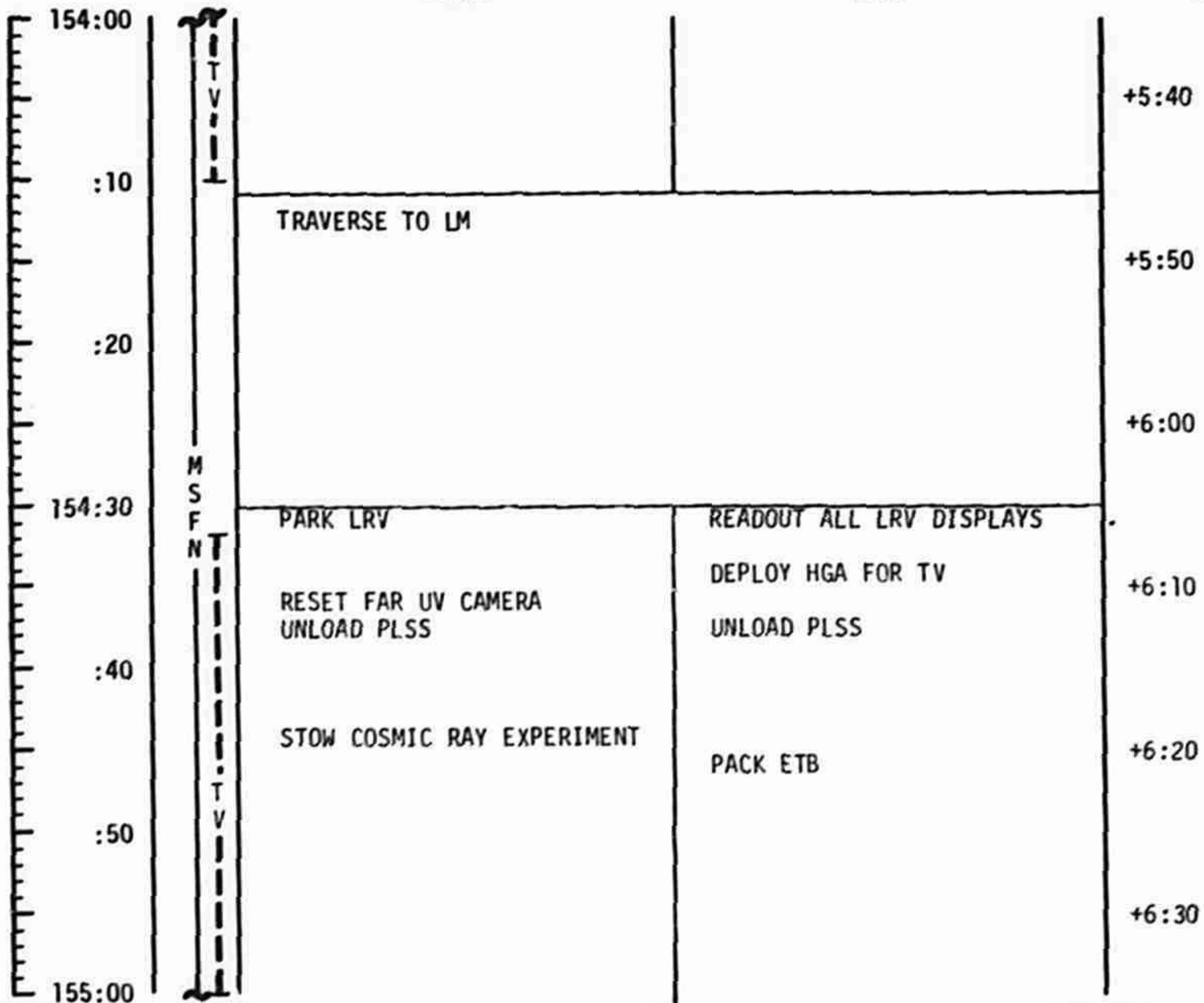
MCC-H

2154 CST

CDR

LMP

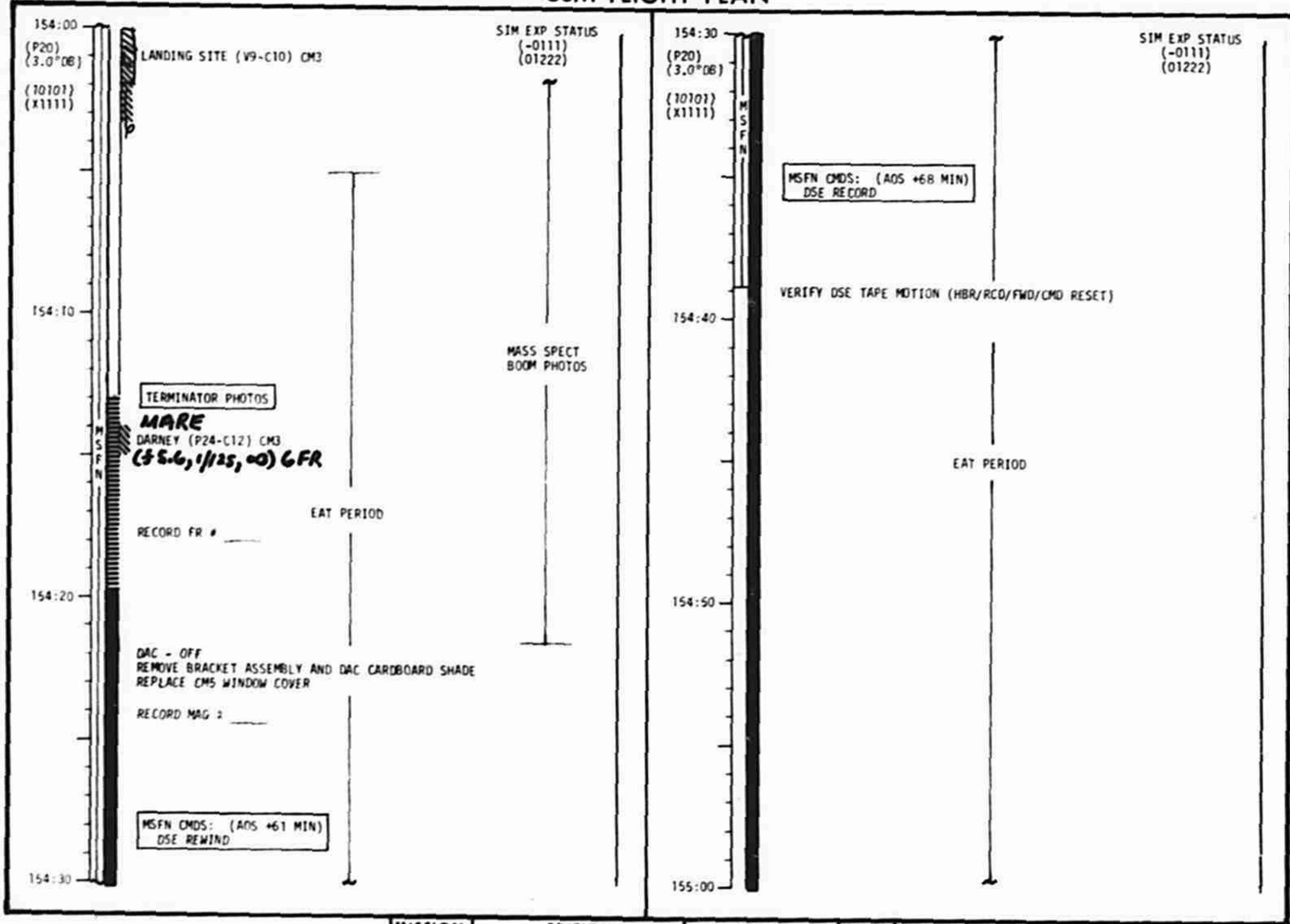
NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	154:00 - 155:00	7/41	3-228

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	CONCEPTUAL (4/16)	3/27/72 3/6/72 (P29)	3-229

MCC-H

2254 CST

# LM FLIGHT PLAN

CDR

LMP

NOTES

155:00 :10 :20 155:30 :40 :50 156:00	MSFN 	LRV GRAN PRIX	FILM GRAN PRIX	CSM REV 42
		PARK & CONFIGURE LRV FOR MCC-H CONTROL	RETRIEVE SWC	+6:40
		CLEAN EMU'S RESET FAR UV CAMERA TRANSFER ETB INGRESS LM	CLEAN EMU'S INGRESS LM TRANSFER ETB TRACK LIGHT TEST	+6:50
		CLOSE HATCH, REPRESSURIZE CABIN POST EVA-3 SYSTEMS CONFIGURATION		+7:00/END EVA-3
		VERIFY EVA CB CONFIGURATION DOFF GLOVES, STOW ON COMM PANELS TRANSFER TO LM ECS HOSES CONNECT TO LM COMM		
		BIOMED - LEFT		
PLSS/OPS DOFFING DISCONNECT OPS & RCU FROM PLSS				
LMP, THEN CDR DOFF PLSS/OPS REPORT: <u>OPS PRESSURE</u>				
STOW OPS'S				

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/27/72 3/6/72c (PWS)	155:00 - 156:00	7/41-42	3-230

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN

SIM EXP STATUS  
(-0111)  
(01222)

155:00  
(P20)  
(3.0°DB)  
(10101)  
(X1111)  
REV 42  
155:10  
155:20  
155:30

EAT PERIOD

CONFIGURE CAMERA: (ORBITAL SCIENCE)  
CMS/EL/250/CEX-1VL (f5.6,1/250,-) 80 FR

MAG (00) \_\_\_\_\_ FR # \_\_\_\_\_

ORBITAL SCIENCE PHOTOS

KOHLSCHUETTER (P5-C2,C3)  
CMS (f5.6,1/250,-) 80 FR

CHANGE TO f8

RECORD FR # \_\_\_\_\_

ACQ MSFN HGA: MAN, WIDE P O, Y 170  
S-BD ANT IND > 1/2 SCALE HGA: REACQ, NARROW

MSFN CMDS: (AOS +2 MIN)  
DSE (STOP/REWIND)

155:30  
(P20)  
(3.0°DB)  
(10101)  
(X1111)  
155:40  
155:50  
156:00

**CSM SYSTEMS CHECKLIST**

PRE-SLEEP CHECKLIST PAGE S/1-29  
LOGIC PWR (2) - OFF

MSFN CMDS: (AOS +9 MIN)  
DSE PLAYBACK

VHF AM T/R - RCV (PNL 9)  
VHF AM A - DUPLEX

**MSFN UPLINK:  
JET-ON MONITOR LOADS**

FILM MAGS REQD FOR NEXT DAY:  
DAC: CEX-8B6DD  
EL: VHBW-SS, CEX-QQ  
NR: VHBW-ZZ

SIM EXP STATUS  
(-0111)  
(01222)

**ONBOARD READOUT**

BAT C	_____
PYRO BAT A	_____
PYRO BAT B	_____
RCS A	_____
B	_____
C	_____
D	_____
DC IND SEL - MNA OR B	_____

# LM FLIGHT PLAN

MCC-H

2354 CST

CDR

LMP

NOTES

156:00  
:10  
:20  
156:30  
:40  
:50  
157:00

GO/NO-GO FOR  
DEPRESS

M  
S  
F  
N

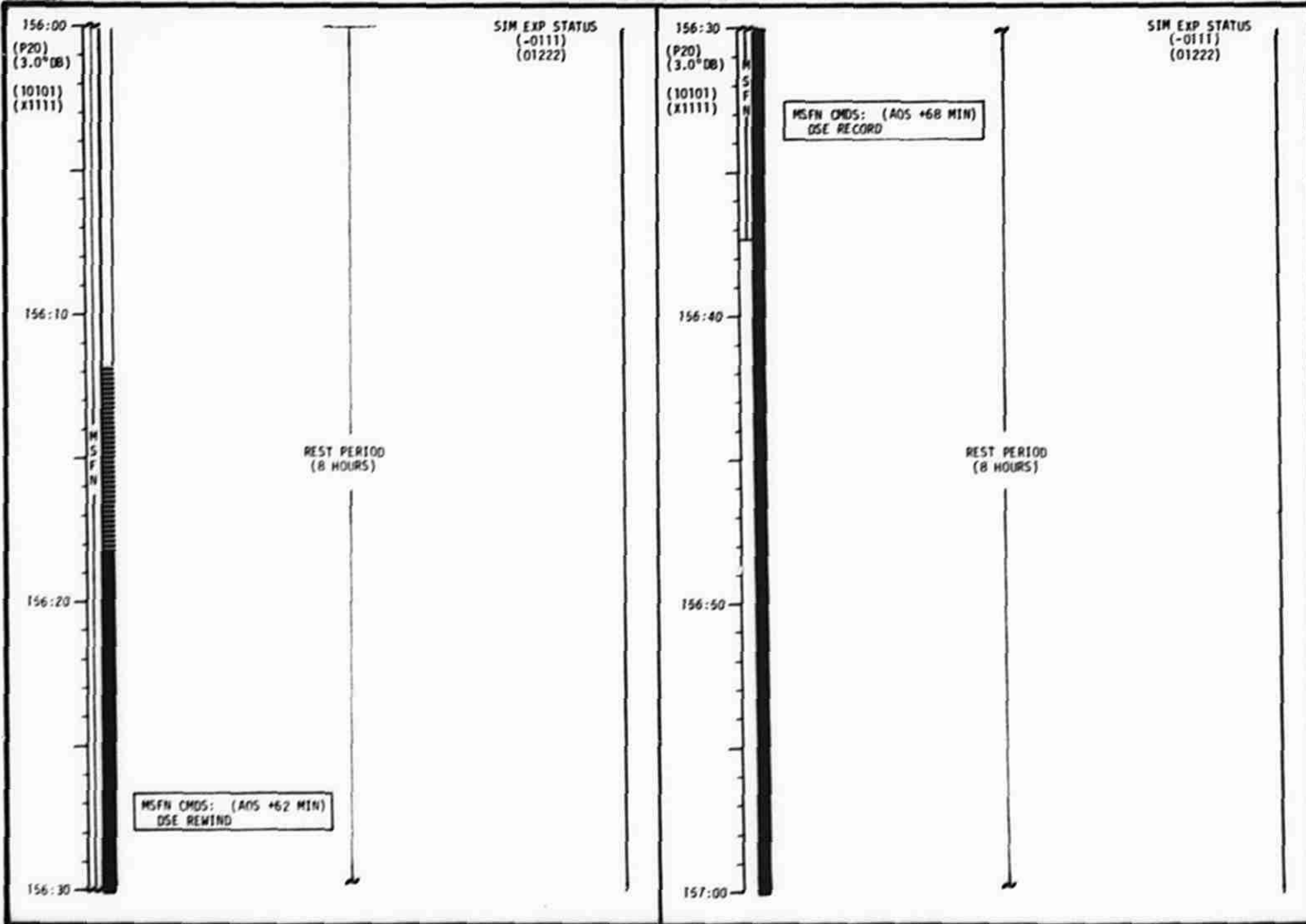
<p><u>PREP FOR EQUIPMENT JETTISON</u></p> <p>UNSTOW SCALE WEIGH BSLSS ROCK BAG &amp; COLLECTION BAGS, REPORT: <u>WEIGHTS</u> WEIGH ISA STOW SCALE &amp; BAGS UNLOCK FWD HATCH HANDLE REMOVE ISS WRAP &amp; TIE LUNAR BOOTS, ARMRESTS, RCU'S, YO-YO'S POSITION PLSS'S FOR JETTISON DON EV GLOVES AUDIO MODE - VOX</p>			
<p>PRESSURE INTEGRITY CHECK</p>			
<p>CABIN DEPRESS FOR JETTISON</p>			
<p>EQUIPMENT JETTISON</p>			
<p><u>CABIN REPRESS</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>VERIFY CABIN PRESS STABLE DOFF HELMETS &amp; GLOVES AUDIO MODE - ICS/PTT</p> </td> <td style="width: 50%; border: none;"> <p>BATS 3 &amp; 4 - ON LUNAR BAT - OFF/RESET CHECK BUS VOLTS</p> </td> </tr> </table>		<p>VERIFY CABIN PRESS STABLE DOFF HELMETS &amp; GLOVES AUDIO MODE - ICS/PTT</p>	<p>BATS 3 &amp; 4 - ON LUNAR BAT - OFF/RESET CHECK BUS VOLTS</p>
<p>VERIFY CABIN PRESS STABLE DOFF HELMETS &amp; GLOVES AUDIO MODE - ICS/PTT</p>	<p>BATS 3 &amp; 4 - ON LUNAR BAT - OFF/RESET CHECK BUS VOLTS</p>		
<p>POST EVA CABIN CLEANUP</p>			
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p><u>DOFF SUITS</u></p> <p>CDR DOFF PGA DON ICG CONNECT AND VERIFY COMM</p> </td> <td style="width: 50%; border: none;"> <p>BIOMED - OFF</p> </td> </tr> </table>		<p><u>DOFF SUITS</u></p> <p>CDR DOFF PGA DON ICG CONNECT AND VERIFY COMM</p>	<p>BIOMED - OFF</p>
<p><u>DOFF SUITS</u></p> <p>CDR DOFF PGA DON ICG CONNECT AND VERIFY COMM</p>	<p>BIOMED - OFF</p>		

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	156:00 - 157:00	7/42	3-232

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

2354 CST



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-233



# LM FLIGHT PLAN

MCC-H

0054 CST

CDR

LMP

NOTES

157:00  
:10  
:20  
157:30  
:40  
:50  
158:00

M  
S  
F  
N  
X

CHANGE LM L10H CANISTER  
LMP DOFF PGA  
DON ICG  
CONNECT & VERIFY COMM

BIOMED - RIGHT

EVA-3 DEBRIEFING

EAT PERIOD

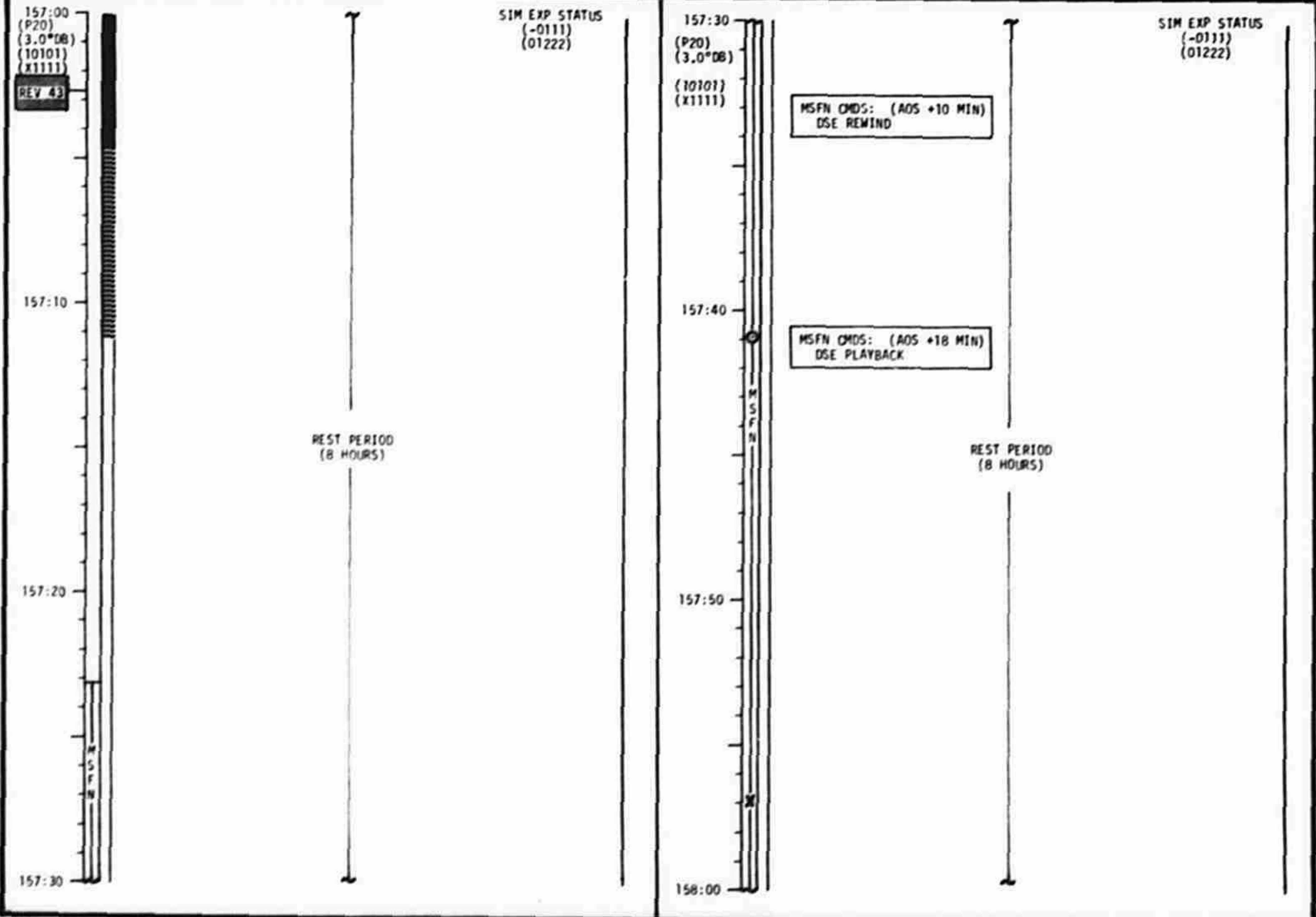
CSM REV 43

COPY LIFT-OFF TIMES  
FOR REVS 44-49

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	157:00 - 158:00	7/42-43	3-234

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



157:00  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

REV 43

157:10

157:20

157:30

REST PERIOD  
(8 HOURS)

SIM EXP STATUS  
(-0111)  
(01222)

157:30  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

MSFN CMD5: (AOS +10 MIN)  
DSE REWIND

157:40

MSFN CMD5: (AOS +18 MIN)  
DSE PLAYBACK

157:50

158:00

REST PERIOD  
(8 HOURS)

SIM EXP STATUS  
(-0111)  
(01222)

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-235

# LM FLIGHT PLAN

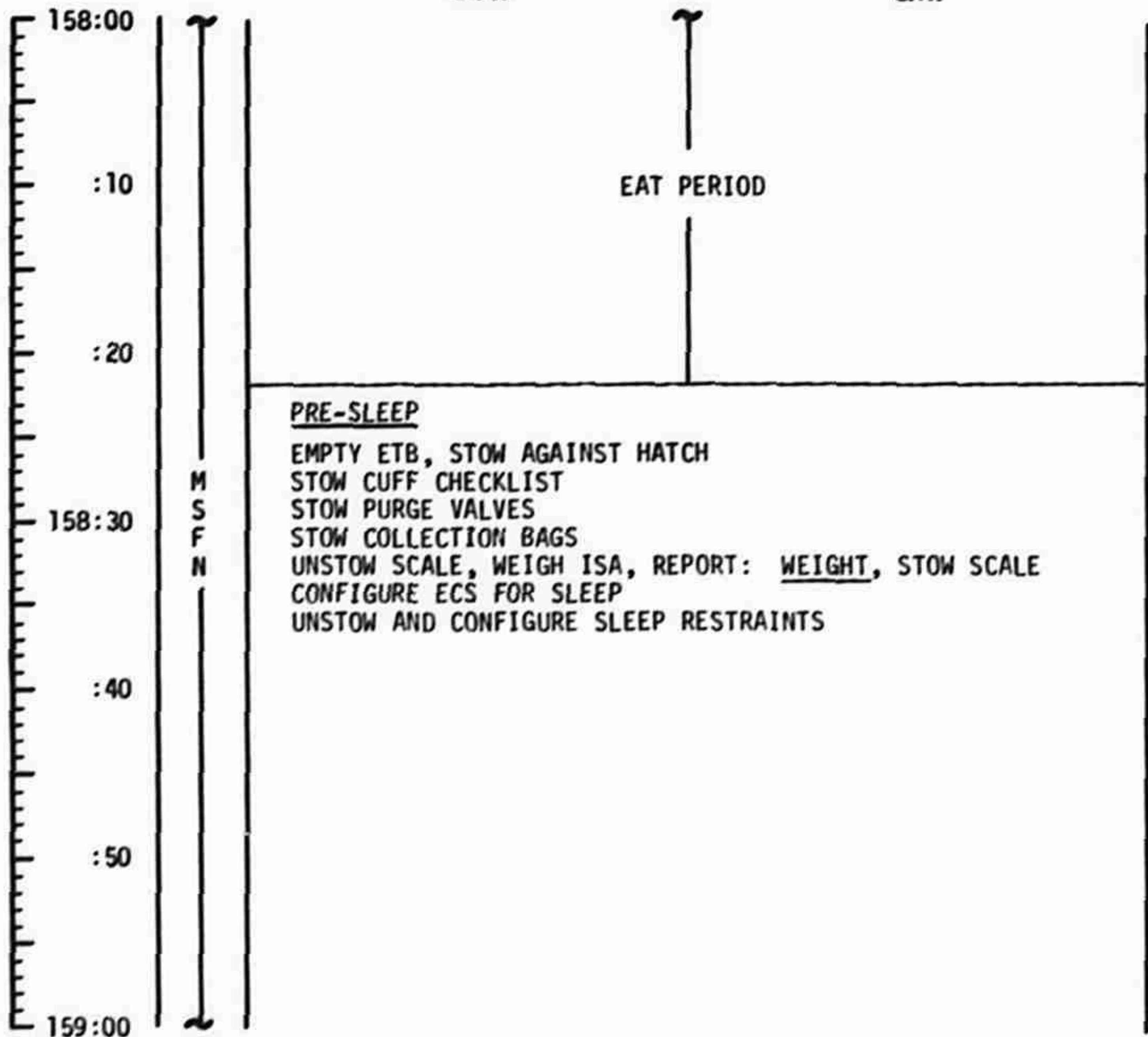
MCC-H

0154 CST

CDR

LMP

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	158:00 - 159:00	7/43	3-236

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN

158:00  
 (P20)  
 (3.0°DB)  
 (10101)  
 (X1111)

158:10

158:20

158:30

SIM EXP STATUS  
 (-0111)  
 (01222)

158:30  
 (P20)  
 (3.0°DB)  
 (10101)  
 (X1111)

158:40

158:50

159:00

SIM EXP STATUS  
 (-0111)  
 (01222)

MSFN CMD5: (AOS +68 MIN)  
 DSE RECORD

REST PERIOD  
 (8 HOURS)

REST PERIOD  
 (8 HOURS)

MSFN CMD5: (AOS +62 MIN)  
 DSE REWIND

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-237

# LM FLIGHT PLAN

MCC-H

0254 CST

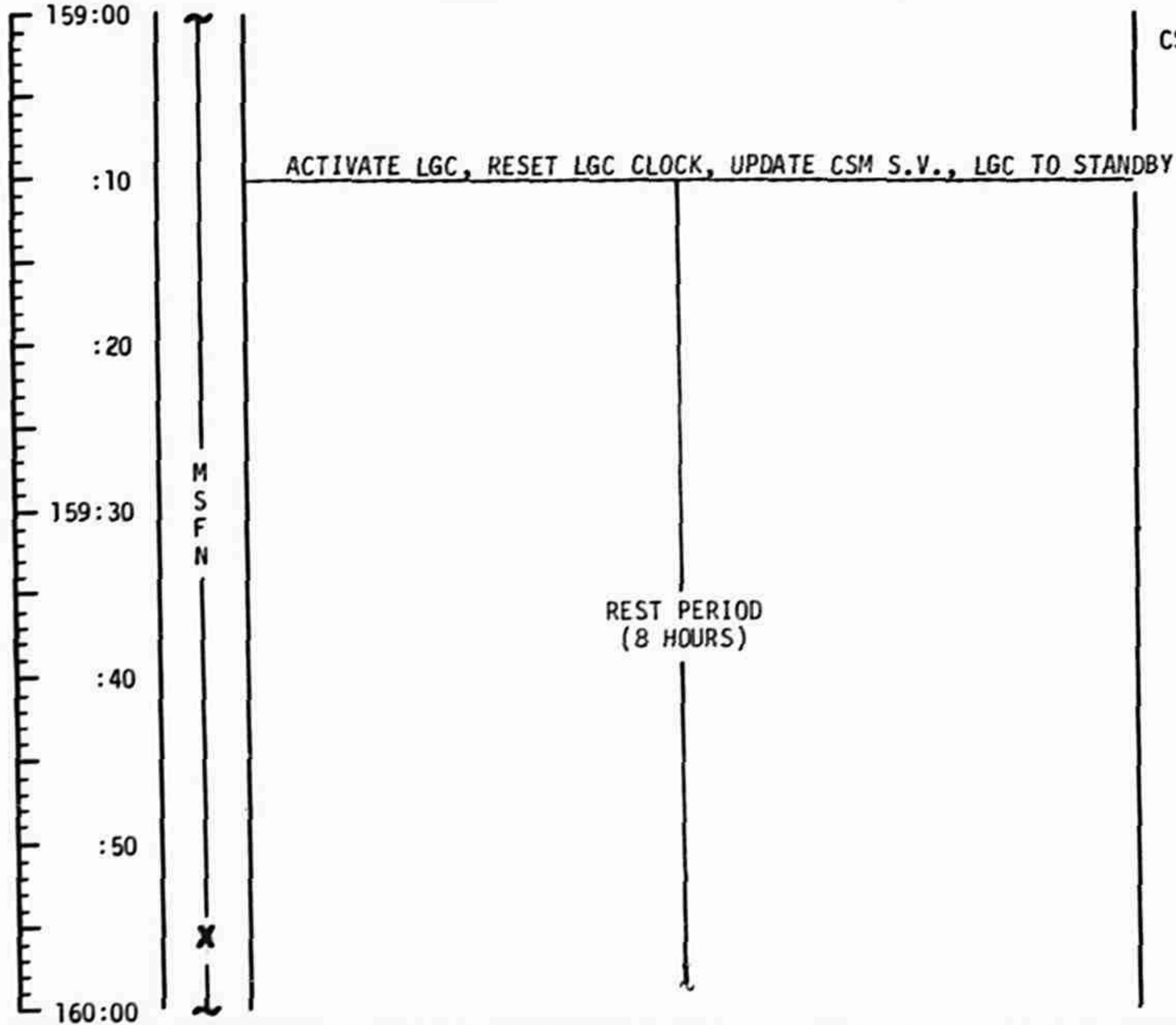
CDR

LMP

NOTES

CSM REV 44

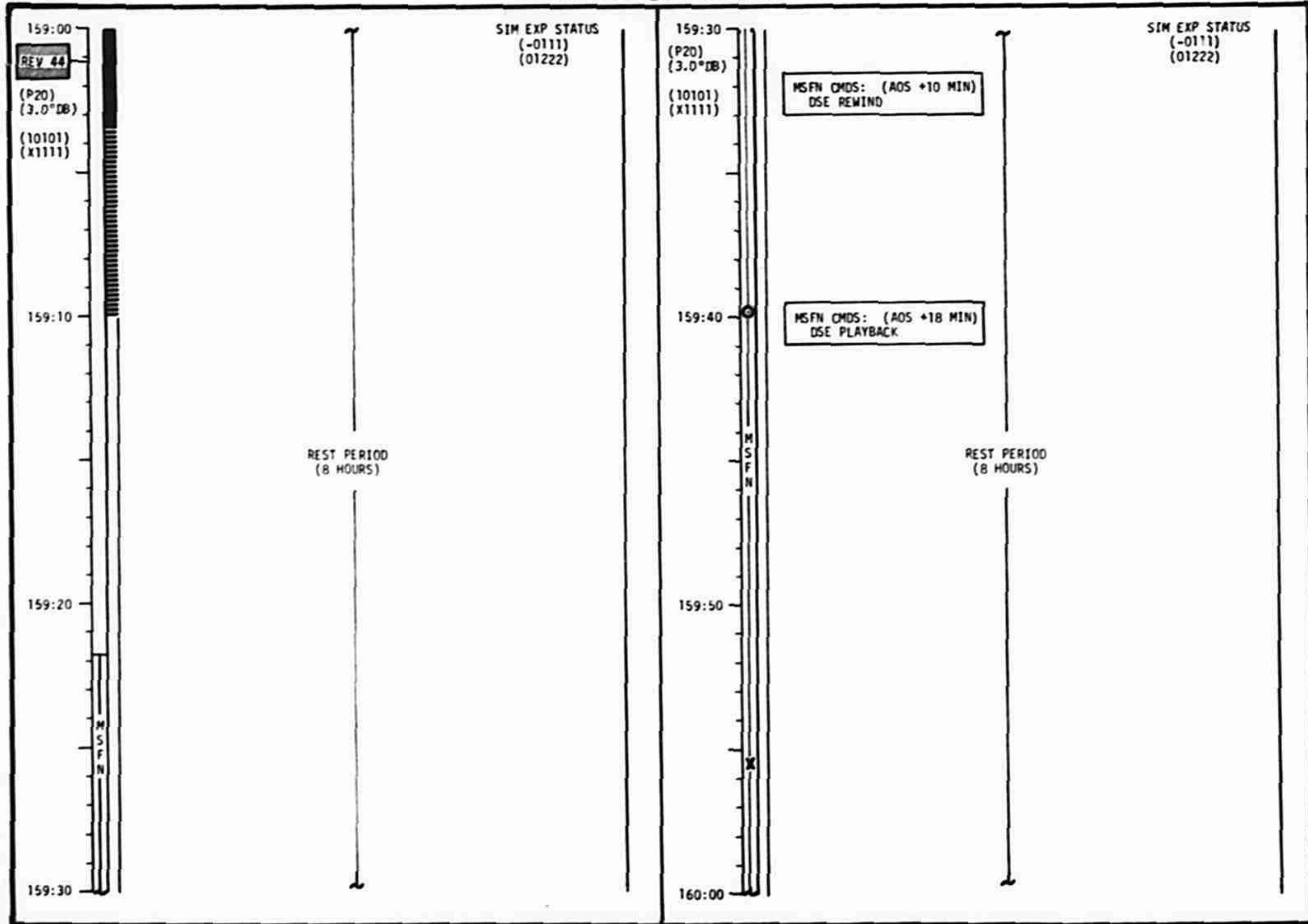
UPLINK TO LM  
CSM S.V.



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	159:00 - 160:00	7/43-44	3-238

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-239



# LM FLIGHT PLAN

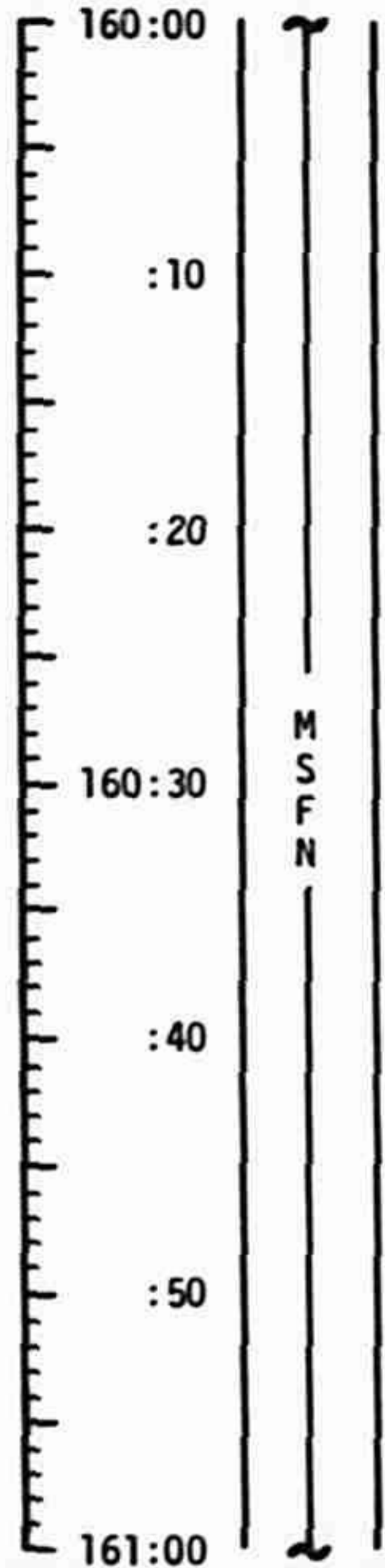
MCC-H

0354 CST

CDR

LMP

NOTES

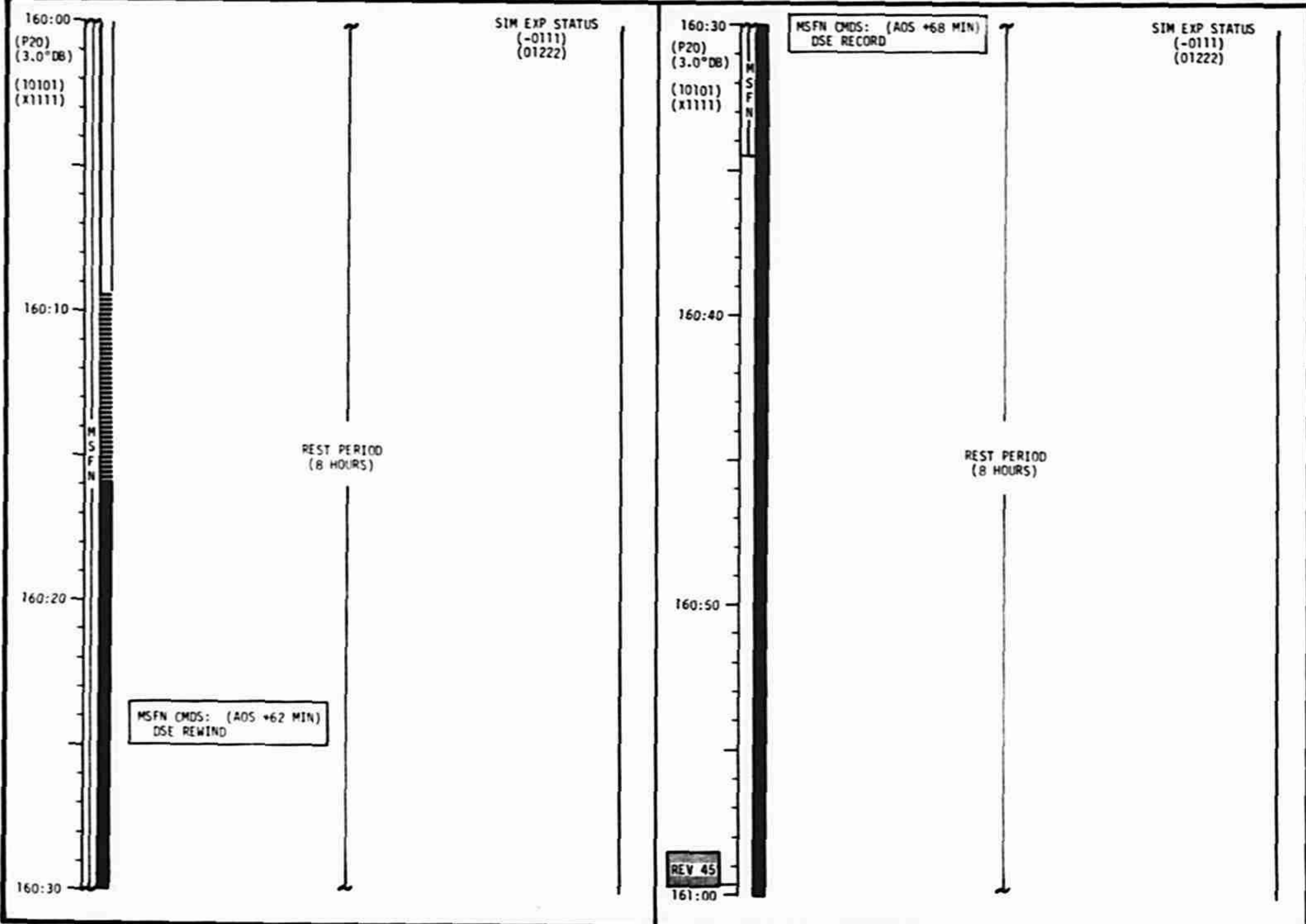


GDS 210 LOS

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	160:00 - 161:00	7/44-45	3-240

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-241

# LM FLIGHT PLAN

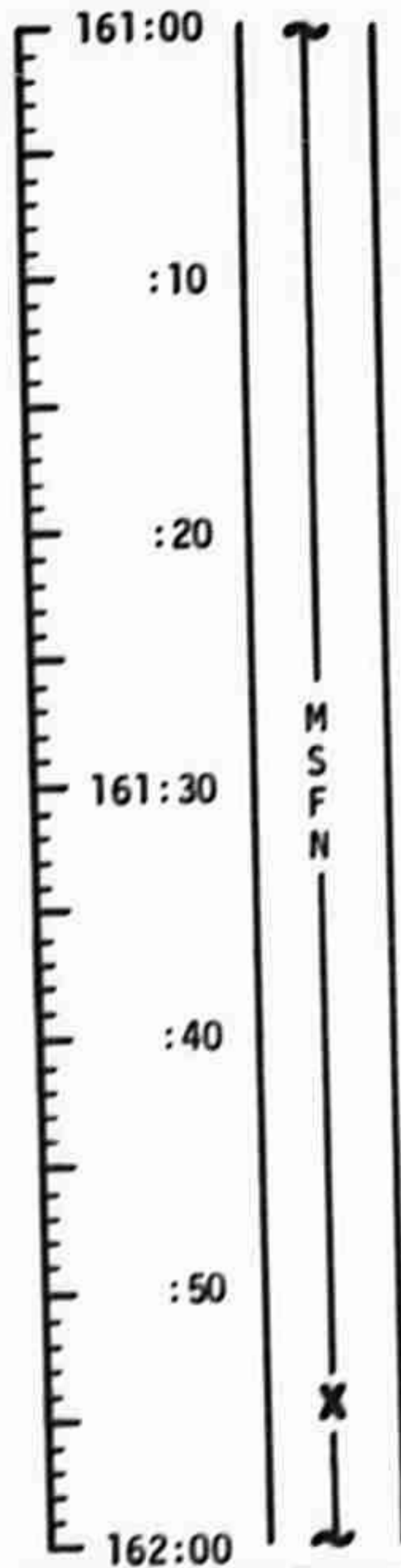
MCC-H

0454 CST

CDR

LMP

NOTES



REST PERIOD  
(8 HOURS)

CSM REV 45

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	161:00 - 162:00	7/45	3-242

FLIGHT PLANNING BRANCH



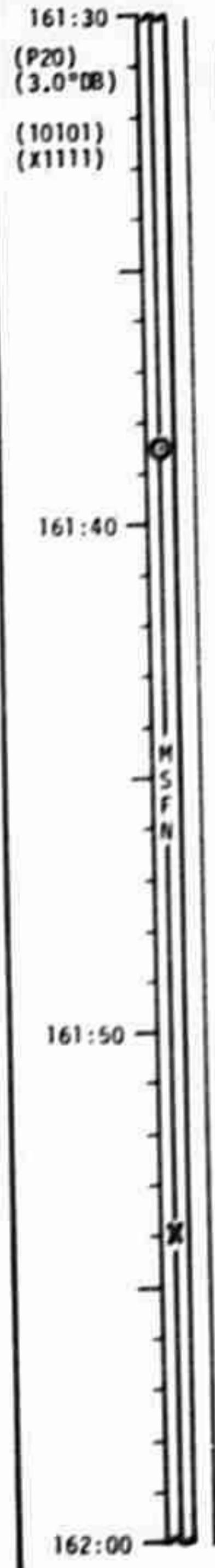
# CSM FLIGHT PLAN

0454 CST



REST PERIOD  
(8 HOURS)

SIM EXP STATUS  
(-0111)  
(01222)



MSFN CMDs: (AOS +10 MIN)  
DSE REWIND

MSFN CMDs: (AOS +18 MIN)  
DSE PLAYBACK

REST PERIOD  
(8 HOURS)

SIM EXP STATUS  
(-0111)  
(01222)

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-243

# LM FLIGHT PLAN

MCC-H

0554 CST

CDR

LMP

NOTES

162:00  
:10  
:20  
162:30  
:40  
:50  
163:00

M  
S  
F  
N

REST PERIOD  
(8 HOURS)

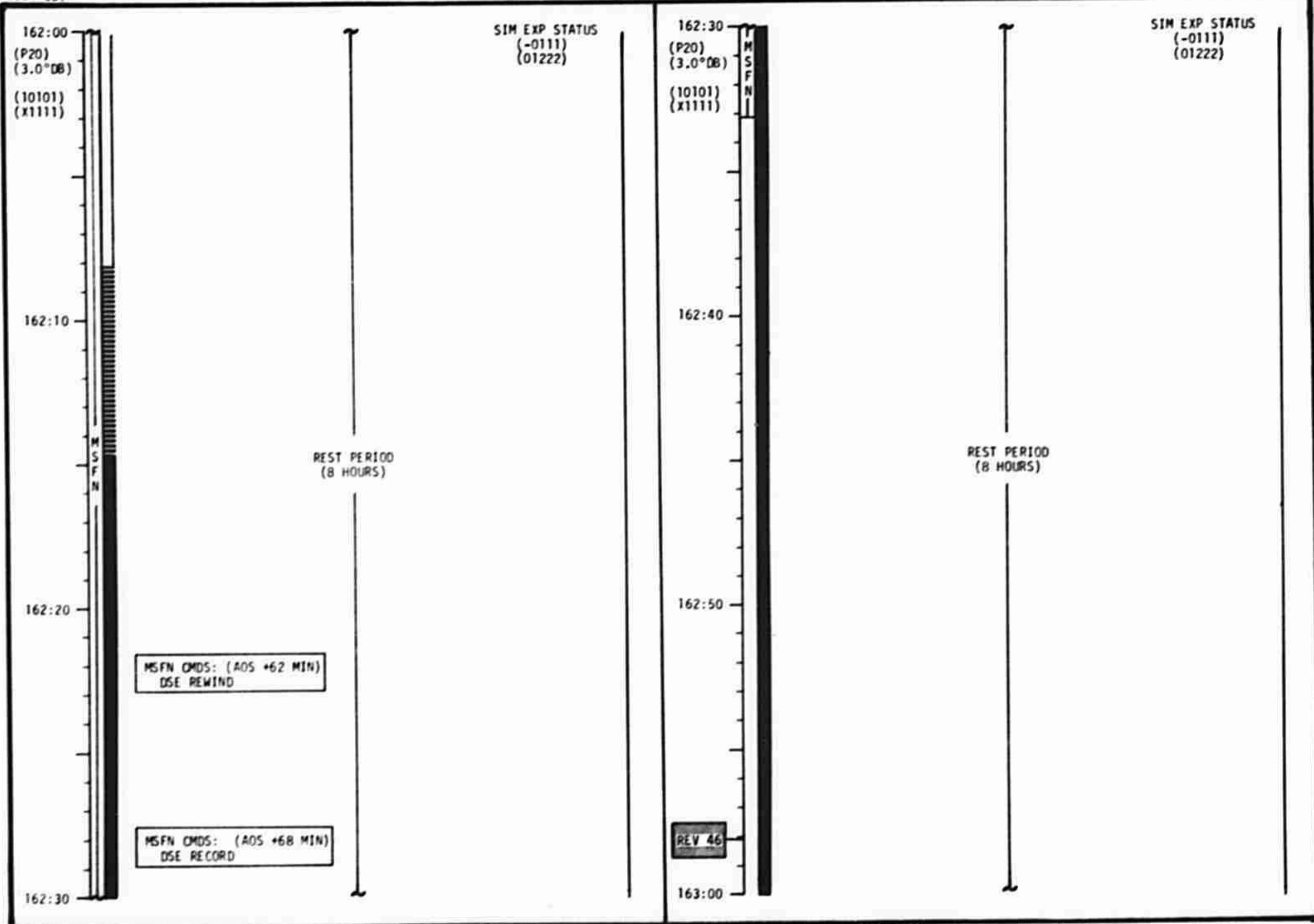
CSM REV 46

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	162:00 - 163:00	7/45-46	3-244

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

0554 CST



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-245



MCC-H

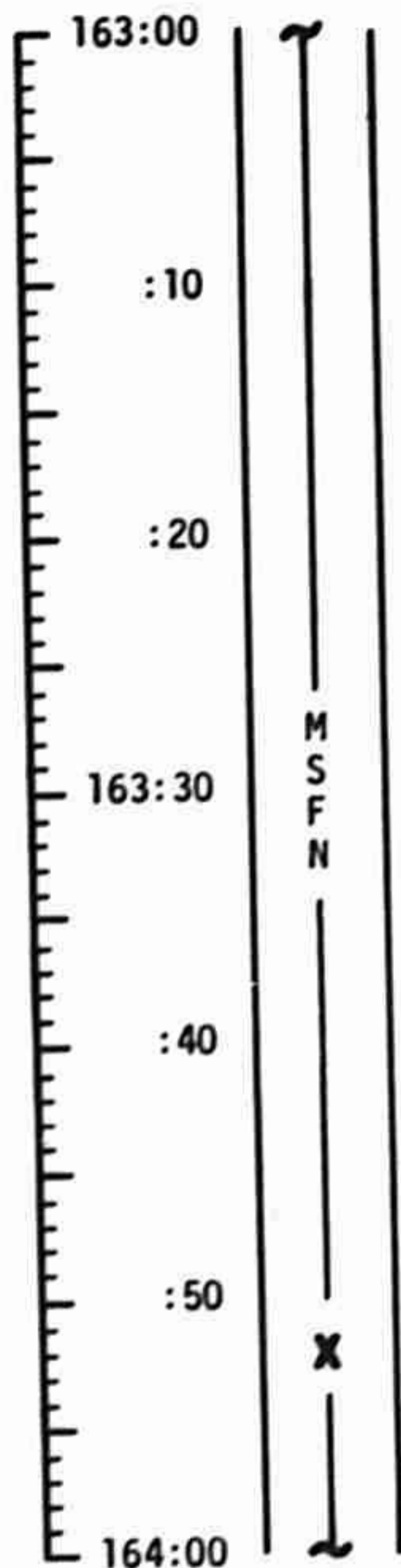
0654 CST

# LM FLIGHT PLAN

CDR

LMP

NOTES



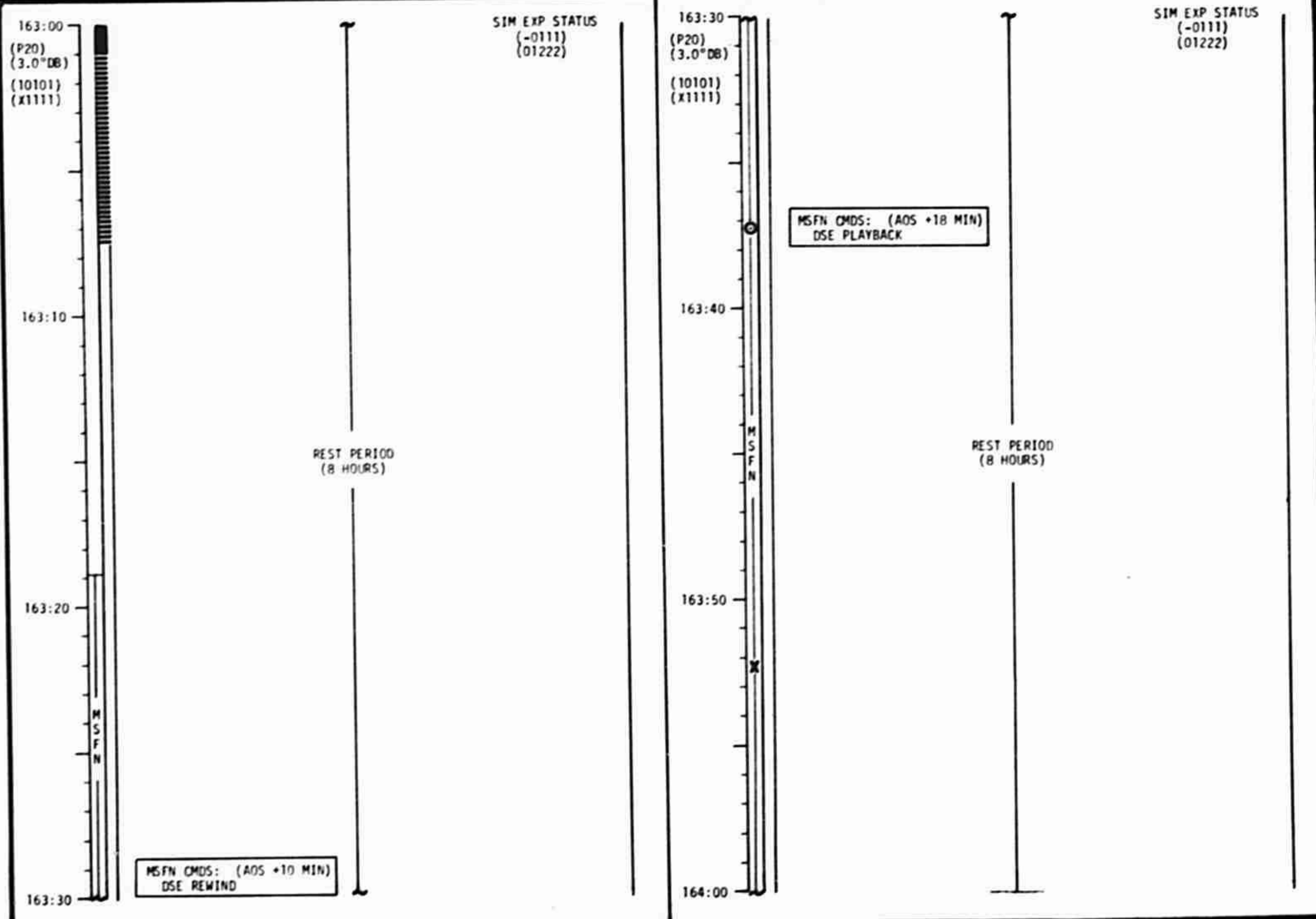
REST PERIOD  
(8 HOURS)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	163:00 - 164:00	7/46	3-246

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

0654 CST



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-247

# LM FLIGHT PLAN

MCC-H

0754 CST

CDR

LMP

NOTES

164:00  
:10  
:20  
164:30  
:40  
:50  
165:00

M  
S  
F  
N

REST PERIOD  
(8 HOURS)

CSM REV 47

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	164:00 - 165:00	7/46-47	3-248

FLIGHT PLANNING BRANCH



# CSM FLIGHT PLAN

0754 CST

164:00  
(P20)  
(3.0°DB)  
  
(10101)  
(X1111)

164:10

164:20

164:30

**CSM SYSTEMS CHECKLIST**

POST-SLEEP CHECKLIST PAGE 5/1-29  
LOGIC PWR (2) - DPLY/RETR  
GR: SHIELD - OFF

MSFN UPDATE  
CONSUMABLES STATUS  
MAP CAMERA PHOTO PAD (165:04)  
FLIGHT PLAN  
SIM EXP STATUS  
DSE VOICE STATUS

MSFN UPLINK  
CSM S.V.

P52 IMU REALIGN

N71: \_\_\_\_\_

N05: \_\_\_\_\_

N93: \_\_\_\_\_

X \_\_\_\_\_

Y \_\_\_\_\_

Z \_\_\_\_\_

GET \_\_\_\_\_

GR: SHIELD - ON (CTR)

CMC MODE - FREE  
P52 (OPTION 3)  
(LIFT-OFF ORIENT)

REPORT: GYRO TORQUING  
ANGLES

P20, CMC MODE - AUTO  
GDC ALIGN

MSFN CMDS: (AOS +62 MIN)  
DSE REWIND

MSFN CMDS: (AOS +68 MIN)  
DSE RECORD

SIM EXP STATUS  
(-0111)  
(01222)

164:30  
(P20)  
(3.0°DB)  
  
(10101)  
(X1111)

164:40  
(P20)  
(0.5°DB)

164:50

165:00

VERIFY DSE TAPE MOTION (HBR/RCD/FWD/OMD RESET)

MANUALLY ROLL CW 40°

P20 OPT 5 (+X FWD SIM BAY ATT)(165:00)  
N79 (+000.50)  
SET HGA P 10, Y 0 FOR AOS ACQ

CONFIGURE CAMERA: (TERMINATOR PHOTOS)  
CM5/EL/250/VHBW (f5.6,1/125,-) 6 FR  
MAG (SS) \_\_\_\_\_, FR # \_\_\_\_\_

MC/LA COVER - OPEN  
MC - EXTD

SIM EXP STATUS  
(-0111)  
(01222)

REV 47

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-249

# LM FLIGHT PLAN

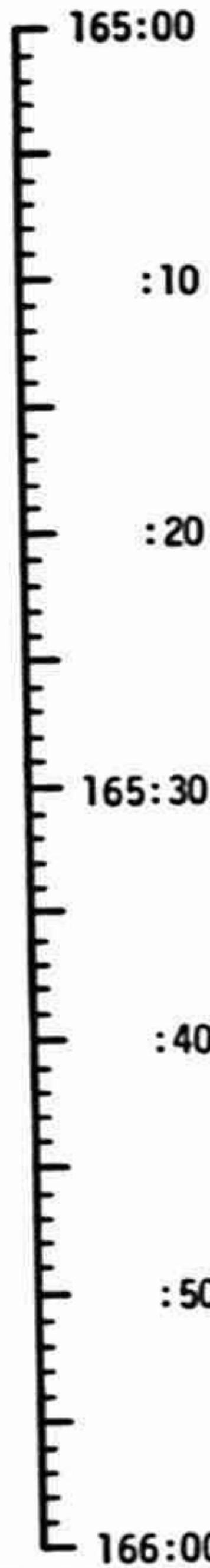
MCC-H

0854 CST

CDR

LMP

NOTES



M  
S  
F  
N

X

REST PERIOD  
(8 HOURS)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	165:00 - 166:00	7/47	3-250

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN

165:00  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

LA - ON  
IMAGE MTN - ON  
MC - ON (T START)  
IMAGE MTN - INCR (BP)/ON

**TERMINATOR PHOTOS**  
*(55.6, 4125, 00) 6FR*  
ST JOHN (P6-C3) CMS

MAP CAMERA PHOTO PAD  
T-START: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
T-STOP: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
(165.9°E TO 148.8°E) (1 REV)

SIM EXP STATUS  
(+1111)  
(01222)

RECORD FR # \_\_\_\_\_

165:10

IMAGE MTN - INCR (BP +4 STEPS)/ON

ACQ MSFN HGA: MAN, WIDE P 10, Y 0  
S-BD ANT IND > 1/2 SCALE HGA: REACQ, NARROW

PREPARE FOR ORBITAL SCIENCE VISUALS

MSFN CMDS: (AOS +2 MIN)  
DSE (STOP/REWIND)

MSFN CUE: (~ AOS +7 MIN)  
HGA AUTO

MSFN CMDS: (AOS +9 MIN)  
DSE PLAYBACK

MSFN UPDATE:  
MS RETR TIMES (20, 15, 10 & 5 FEET)

165:20

MSFN

165:30

165:30  
(P20)  
(0.5°DB)  
(10101)  
(X1111)

PC: MODE - STBY  
PWR - ON  
MS - RETR TO 20 FEET (38 SEC)

SIM EXP STATUS  
(+1111)  
(02222)

PC: PWR - OFF (MSFN CUE)  
MS - RETR TO 15 FEET (36 SEC)

**ORBITAL SCIENCE VISUALS**

COLOMBO HIGHLANDS (V7-C8,C9) CMS

165:40

MSFN

165:50

IMAGE MTN - INCR (BP)/ON  
MS - RETR TO 10 FEET (36 SEC)

MS - RETR TO 5 FEET (36 SEC)

166:00

MS - DPLY

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-251



# LM FLIGHT PLAN

MCC-H

0954 CST

CDR

LMP

NOTES

166:00  
:10  
:20  
166:30  
:40  
:50  
167:00

M  
S  
F  
N

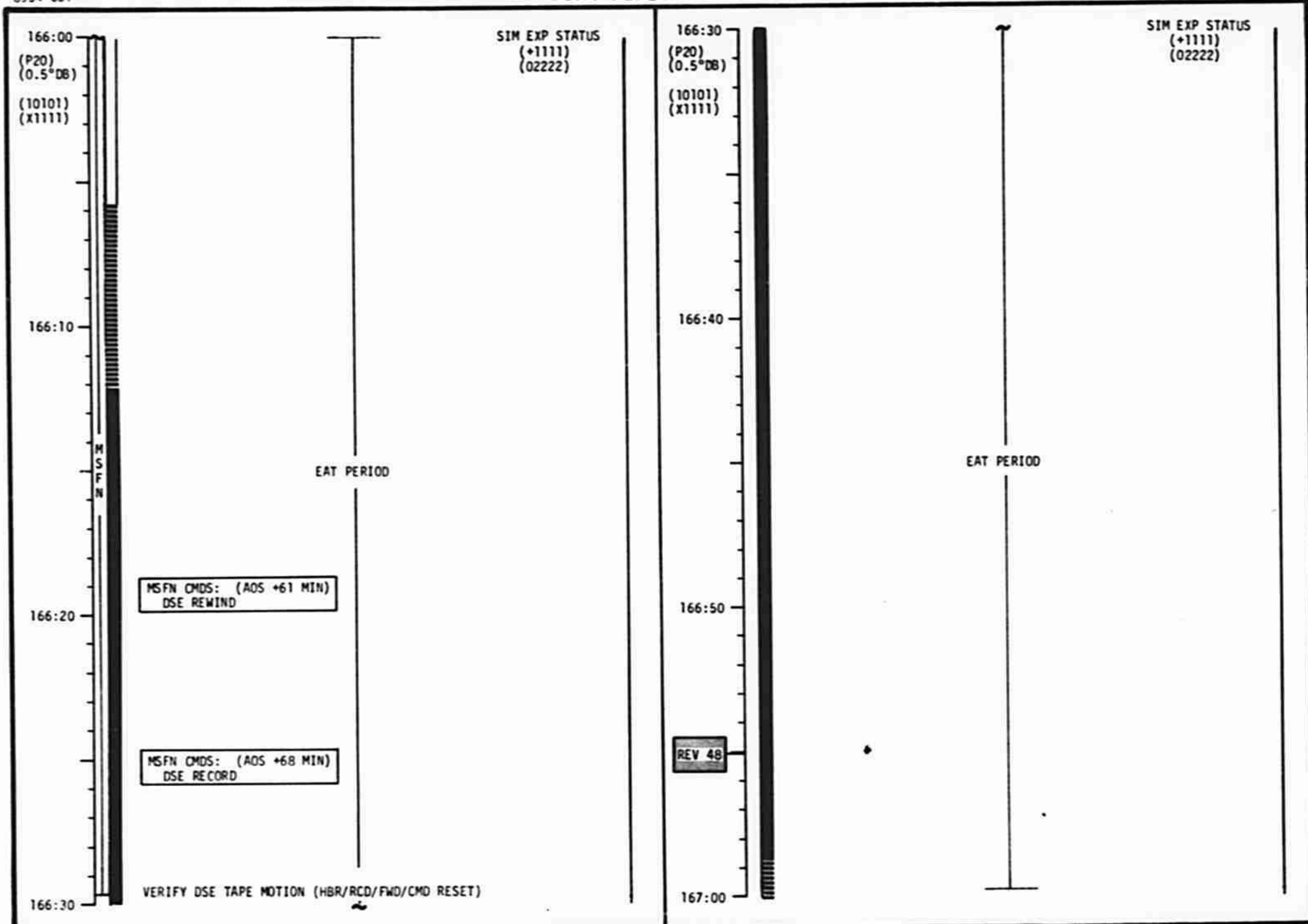
REST PERIOD  
(8 HOURS)

CSM REV 48

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	166:00 - 167:00	7/47-48	3-252

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-253

# LM FLIGHT PLAN

MCC-H

1054 CST

CDR

LMP

NOTES

167:00  
:10  
:20  
167:30  
:40  
(22112)  
:50  
168:00

M  
S  
F  
N  
  
X

↑  
REST PERIOD  
(8 HOURS)  
↓

POST-SLEEP  
RR OPR HTRS - ON  
AOT HTR - ON

STOW HAMMOCKS AND SLEEP RESTRAINTS

CREW STATUS REPORT (FOOD, MEDICATION, SLEEP)

PGNS TURN ON & SELF TEST  
E-MEMORY DUMP

P57 LUNAR SURFACE ALIGN  
OPTION 4 LANDING SITE  
A/T 3 - GRAVITY AND CELESTIAL BODY, PLUS 4 STARS  
(LIFT-OFF ORIENT)

-4:00

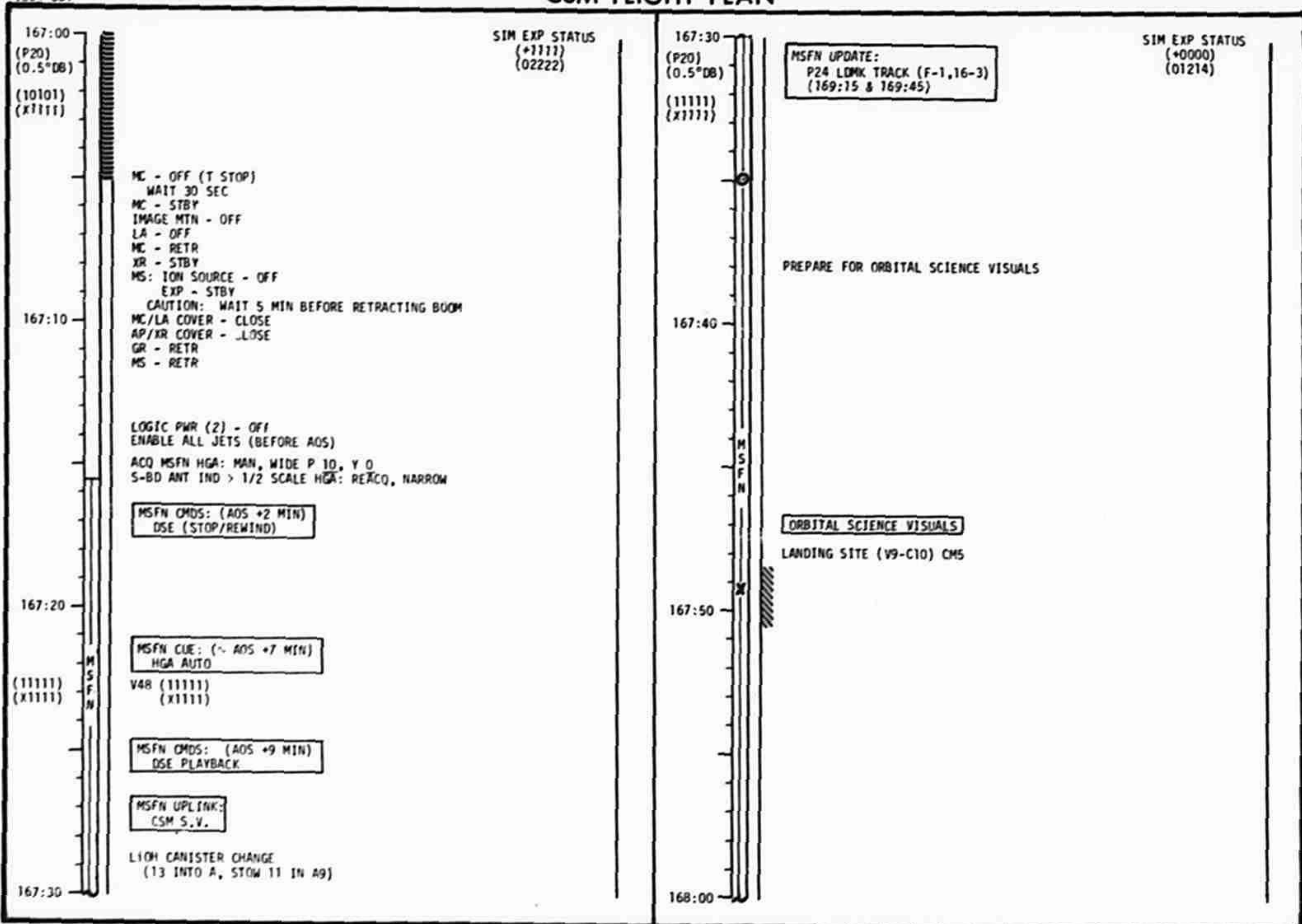
STAY/NO STAY FOR  
FINAL JETTISON

UPDATE TO LM  
P57 LIFT-OFF TIME  
P22 ACQ TIME  
UPLINK TO LM  
CSM S.V. (L/O)  
RLS

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	167:00 - 168:00	7-8/48	3-254

FLIGHT PLANNING BRANCH

# CSM FLIGHT PLAN



MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-255