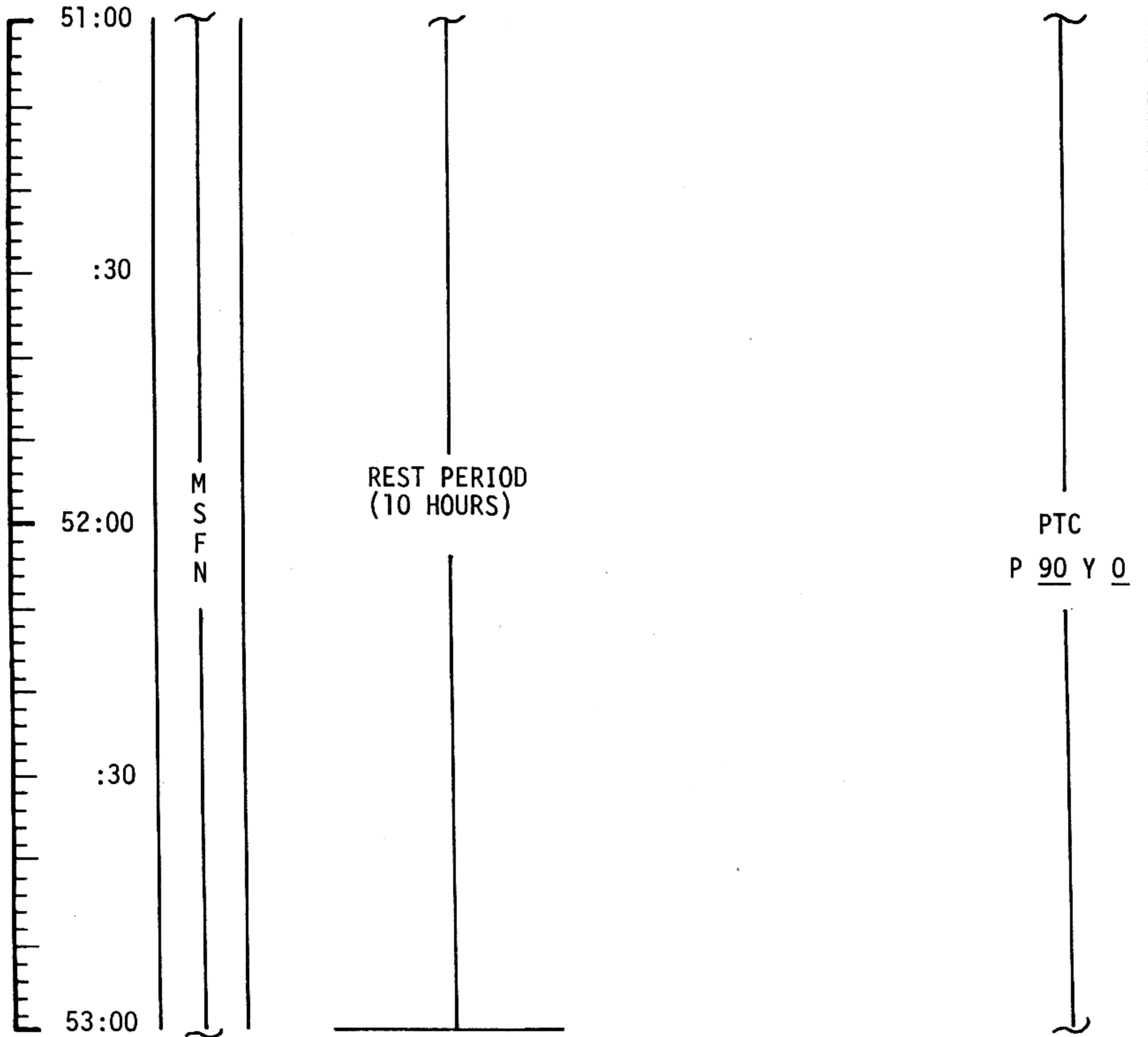


MCC-H

1322 CST

# FLIGHT PLAN

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	51:00 - 53:00	2/TLC	3-37

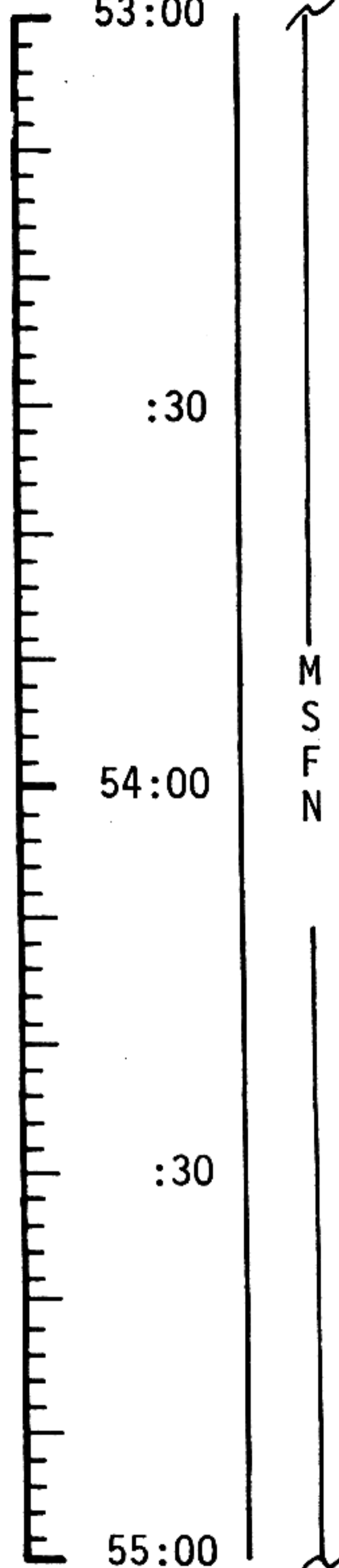
MCC-H

1522 CST

# FLIGHT PLAN

NOTES

UPDATE TO CSM  
CONSUMABLES  
FLIGHT PLAN



M  
S  
F  
N

EAT PERIOD

POSTSLEEP CHECKLIST:  
 CREW STATUS REPORT  
 CONSUMABLES UPDATE  
 CYCLE H2 & O2 FANS  
 FLIGHT PLAN UPDATE  
 NORMAL LUNAR COMM EXCEPT:  
 S-BD AUX TAPE - OFF  
 TAPE RCDR FWD - OFF  
 S-BD ANT - OMNI  
 S-BD ANT OMNI - B

CSM CONSUMABLES UPDATE  
 GET: \_\_\_\_\_ : \_\_\_\_\_  
 RCS TOTAL \_\_\_\_\_ %  
 QUAD A \_\_\_\_\_ % B \_\_\_\_\_ %  
 C \_\_\_\_\_ % D \_\_\_\_\_ %  
 H<sub>2</sub> TOTAL \_\_\_\_\_ %  
 O<sub>2</sub> TOTAL \_\_\_\_\_ %

PTC  
P 90 Y 0

LiOH CANISTER CHANGE  
NO. 5 (7 INTO A, STOW  
5 IN B6)

REPORT LM/CM ΔP

CREW STATUS REPORT

	CDR	CMP	LMP
SLEEP	_____	_____	_____
PRD	_____	_____	_____

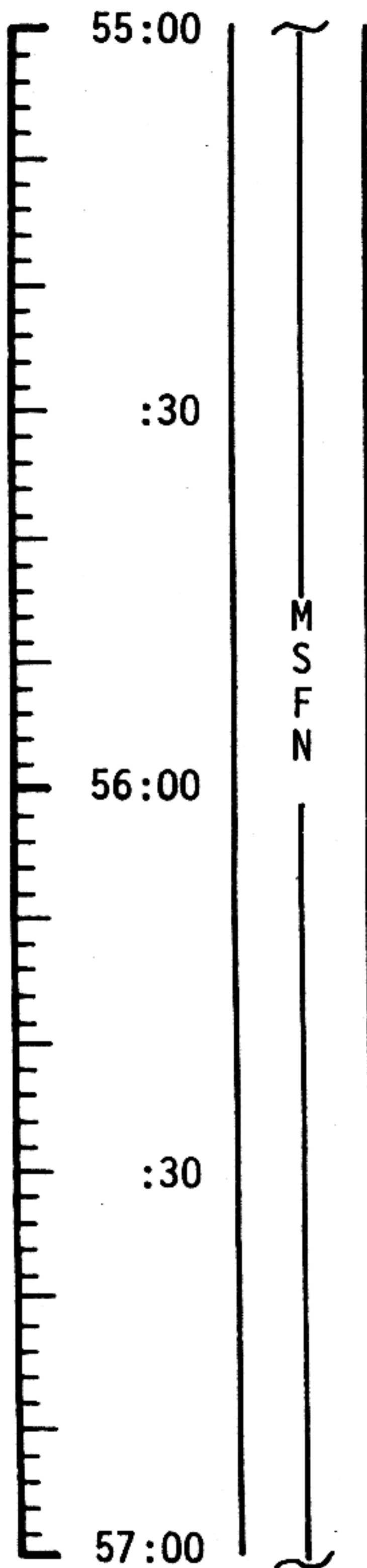
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	53:00 - 55:00	3/TLC	3-38

MCC-H

1722 CST

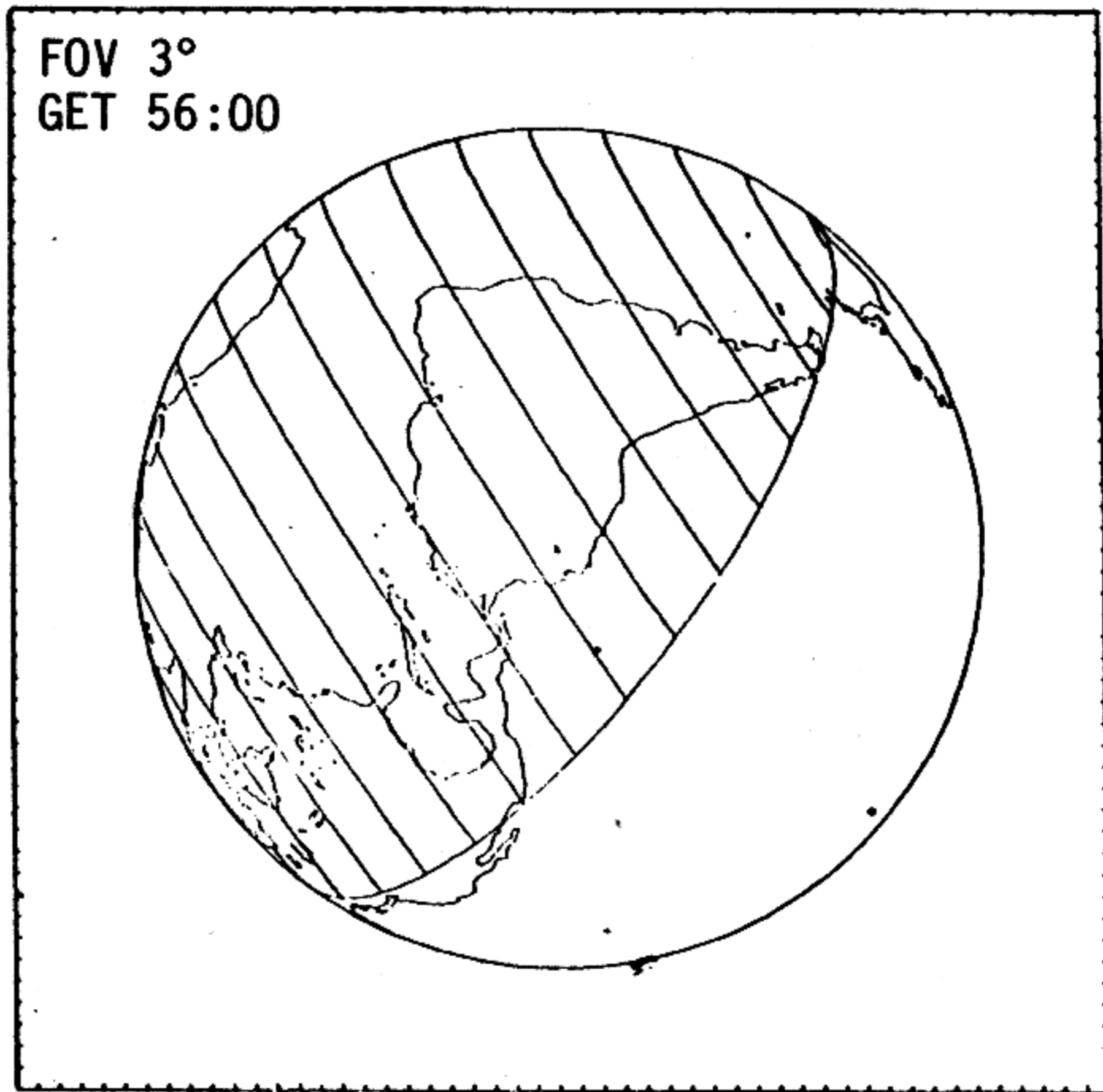
# FLIGHT PLAN

NOTES



P52 IMU REALIGN  
OPTION 3 REFSMMAT  
(OPTIONAL)

REPORT GYRO TORQUING ANGLES



P52 (PTC ORIENT)

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

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

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

X \_\_\_\_\_

Y \_\_\_\_\_

Z \_\_\_\_\_

GET \_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_

UPLINK TO CSM  
 $\Delta H$  (IF REQUIRED)

PTC  
P 90 Y 0

$\Delta H$  DETERMINED  
FROM STAR/EARTH  
HORIZON SIGHTINGS  
WILL BE UPLINKED  
IF IT DIFFERS FROM  
 $\Delta H$  IN E-MEMORY  
BY MORE THAN 5.0 KM

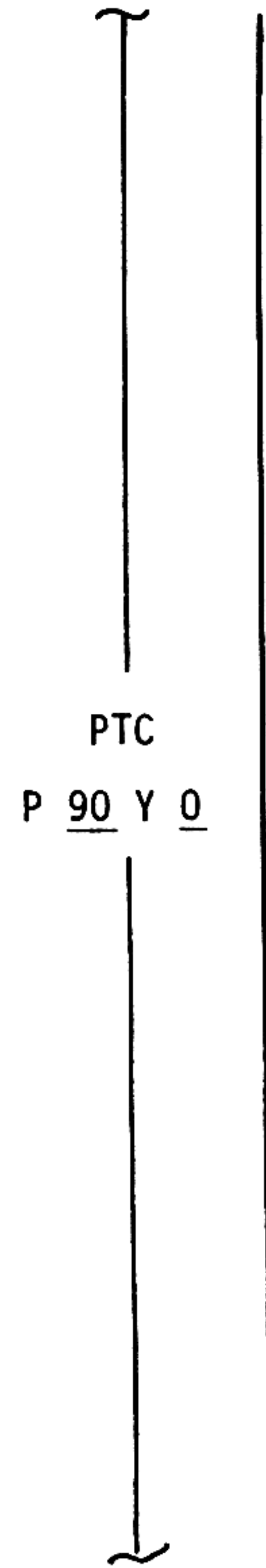
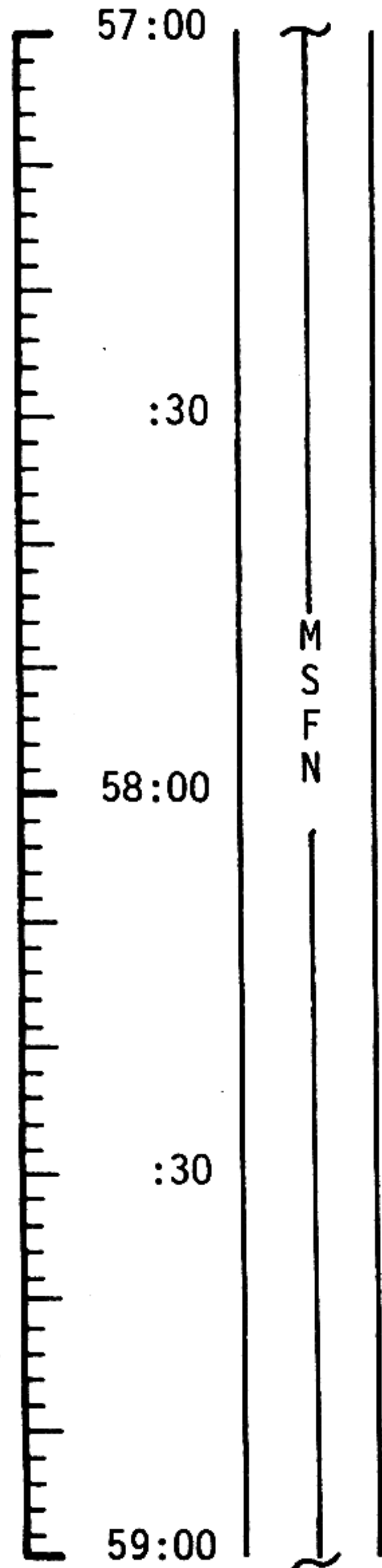
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	55:00 - 57:00	3/TLC	3-39

MCC-H

1922 CST

# FLIGHT PLAN

NOTES



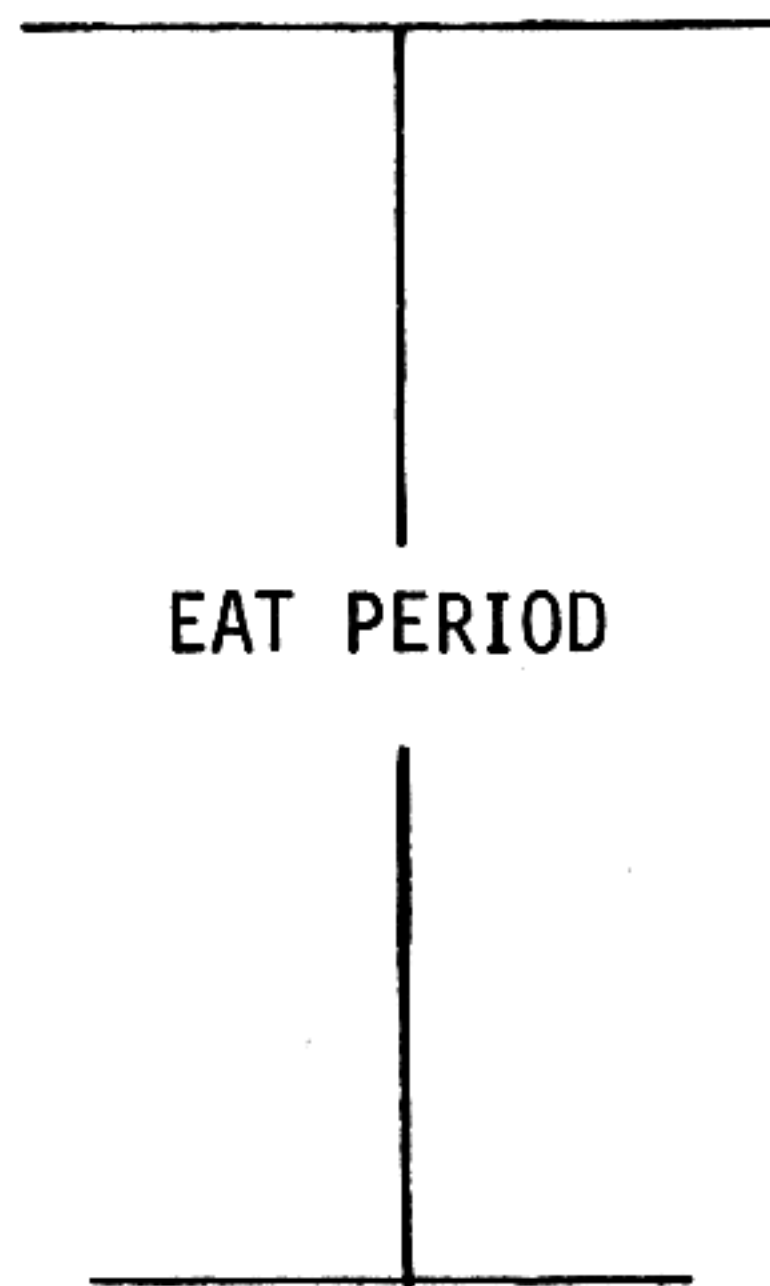
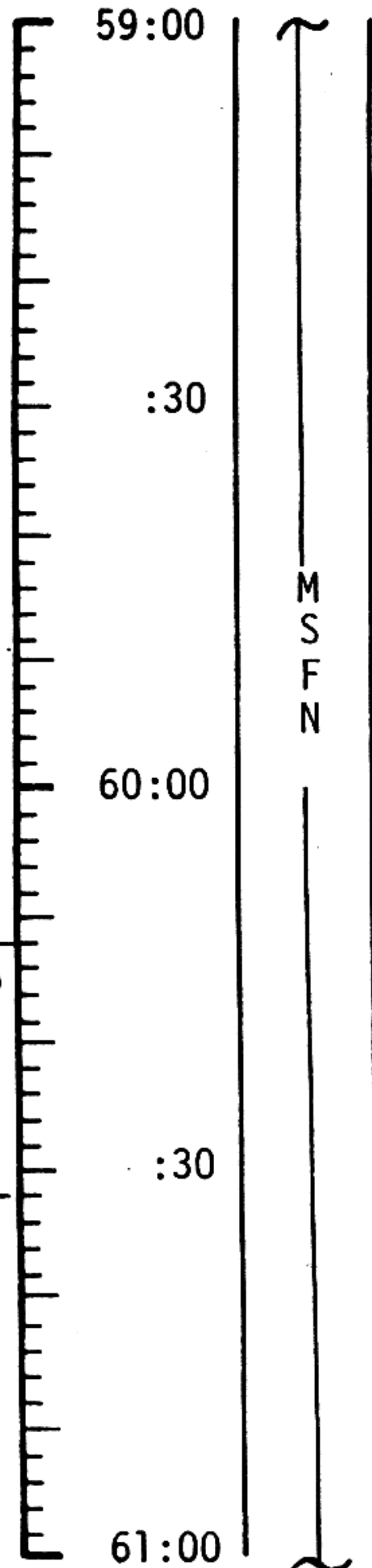
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	57:00 - 59:00	3/TLC	3-40

MCC-H

2122 CST

# FLIGHT PLAN

NOTES



H2 PURGE LINE HTRS - ON

CONTINUE PTC IF MCC-3 IS NOT PERFORMED

P52 - IMU REALIGN  
OPTION 3 - REFSMMAT

REPORT GYRO TORQUING ANGLES

PTC  
P 90 Y 0

P52 (PTC ORIENT)	
N71:	___, ___
N05:	___ . ___
N93:	___
X	___ . ___
Y	___ . ___
Z	___ . ___
GET	___ : ___ : ___

UPLINK TO CSM  
STATE VECTOR & V66  
MCC-3 TGT LOAD

UPDATE TO CSM  
GO/NO-GO MCC-3  
MCC-3 MNVR PAD

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	59:00 - 61:00	3/TLC	3-41

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# FLIGHT PLAN

MCC-3  
BURN TABLE

P OR Y RATES	ATT DEVIATION	SHUTDOWN TIME	RESIDUALS
10°/SEC TAKEOVER	+10° TAKEOVER	BT + 1 SEC	IF <2FPS, TRIM X_AXIS TO 0.2FPS IF >2FPS, NO TRIM

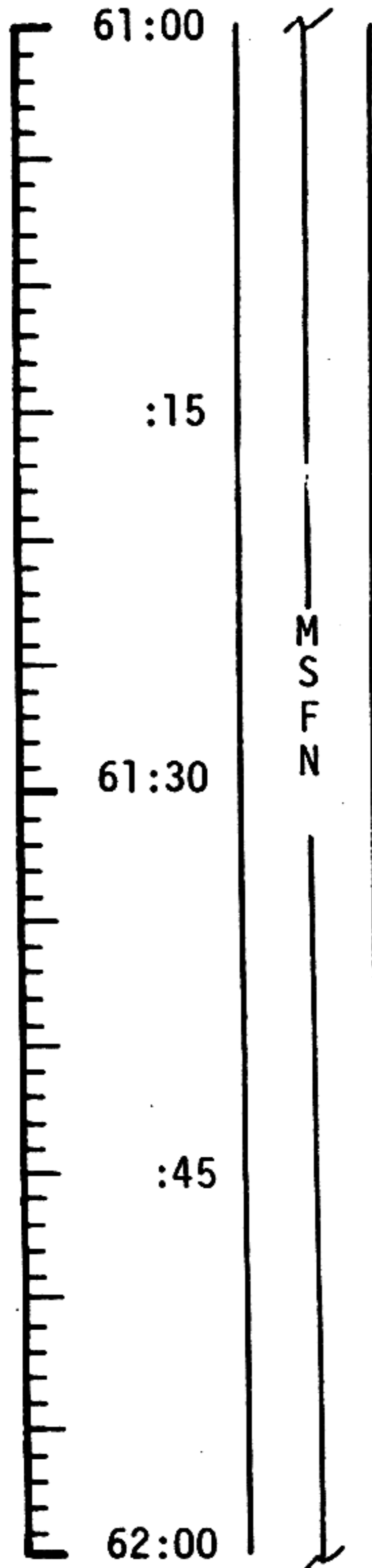
TABLE 3-4  
3-42

2322 CST

MCC-H

# FLIGHT PLAN

NOTES



P30 - EXTERNAL  $\Delta V$

V49 - MNVR TO BURN ATT

SXT STAR CHECK  
 O2 FUEL CELL PURGE  
 WASTE WATER DUMP  
 P40/P41 - SPS/RCS THRUST

GDC ALIGN TO IMU

MCC-3

V66 - TRANSFER CSM SV TO LM SLOT  
 MCC-3 BURN STATUS REPORT

MNVR TO PTC ATTITUDE

P 90  
 Y 0

START PTC

MCC-3 WILL BE  
 DELAYED TO MCC-4  
 IF PROPELLANT  
 COST IS NOT  
 PROHIBITIVE

BURN STATUS REPORT			
X	X	<input type="checkbox"/>	•
X	X		•
<input type="checkbox"/>			•
TRIM			
X	X	X	
X	X	X	
X	X	X	
<input type="checkbox"/>			•
<input type="checkbox"/>			•
<input type="checkbox"/>			•
<input type="checkbox"/>			•
X	X	X	
X	X	X	
X	X	X	

TIG: 61:25:18.2  
 $\Delta V$ : NOMINALLY  
 ZERO

$\Delta TIG$   
 BT  
 $V_{gx}$   
 R  
 P  
 Y  
 $V_{gx}$   
 $V_{gy}$   
 $V_{gz}$   
 $\Delta V_c$  \*  
 FUEL \*  
 OX \*  
 UNBAL

\* ITEMS TO BE  
 REPORTED TO MSFN

(LOI<sub>1</sub> - 22 HRS)

UPDATE TO CSM  
 QUADS TO DISABLE  
 FOR PTC (LOWEST  
 QUANTITY PRPLNT)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	61:00 - 62:00	3/TLC	3-43

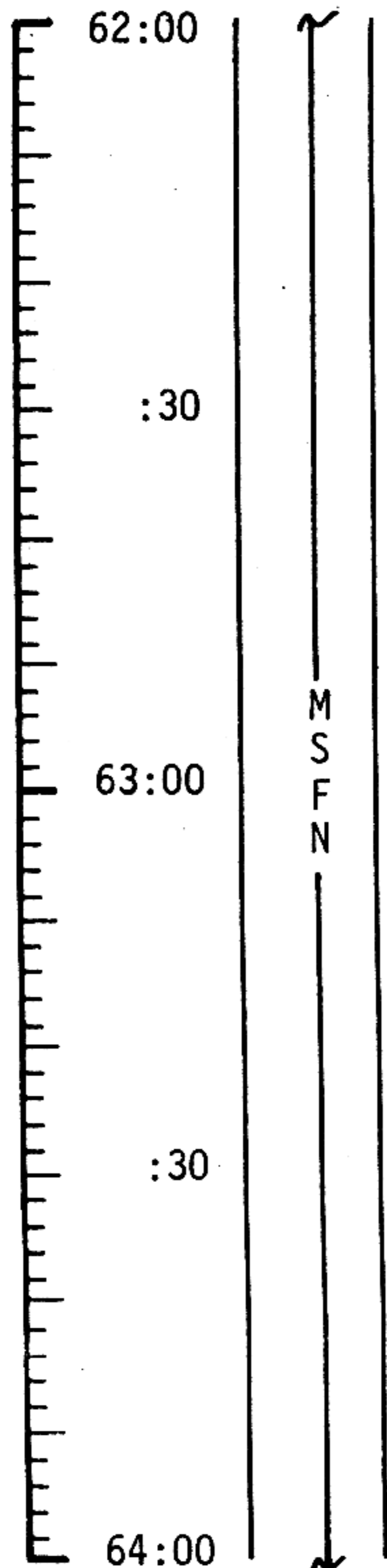


MCC-H

0022 CST

# FLIGHT PLAN

NOTES



BATTERY CHARGE, BATTERY B

PRESSURIZE CSM TO 5.7 PSIA THEN:  
PRESSURIZE LM

STOP PTC AT TV ATTITUDE

R \_\_\_\_\_  
HGA: P \_\_\_\_\_ Y \_\_\_\_\_

TV(GDS) 63:30 to 64:20  
CM4/TV - IN(f5.6)

PTC  
P 90 Y 0

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	62:00 - 64:00	3/TLC	3-44

# FLIGHT PLAN

**CSM**

0222 CST

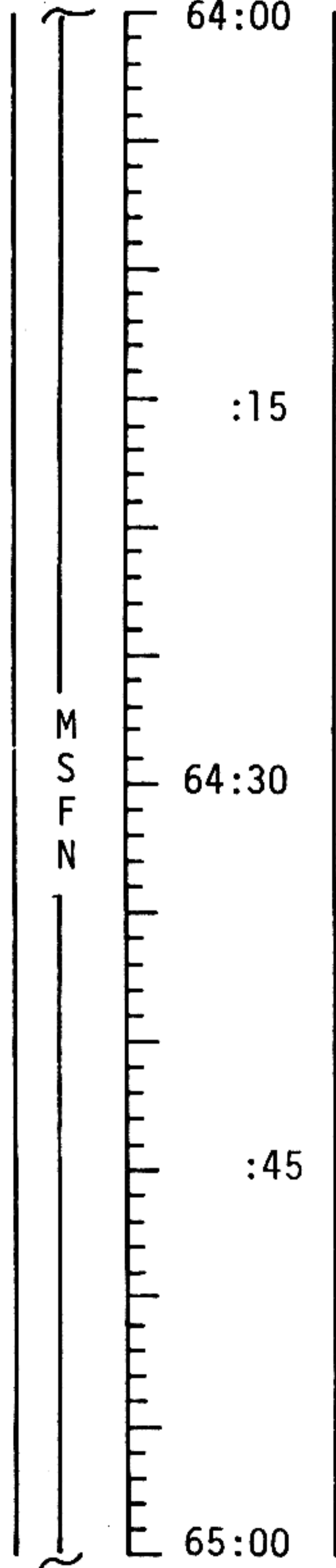
**LM**

**MCC-H**

**CMP**

CLEAR TUNNEL OF  
CM HATCH  
INSPECT TUNNEL &  
DOCKING LATCHES  
REMOVE PROBE & DROGUE

TEMPORARILY STOW  
PROBE & DROGUE



**CDR**

**LMP**

		OPEN LM HATCH RECORD AND REPORT ROLL CALL ANGLE IVT TO LM	
		IVT TO LM	
IVT TO LM		ASSIST CDR	
LM FAMILIARIZATION		LM FAMILIARIZATION	

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	64:00 - 65:00	3/TLC	3-45

FLIGHT PLANNING BRANCH

CSM

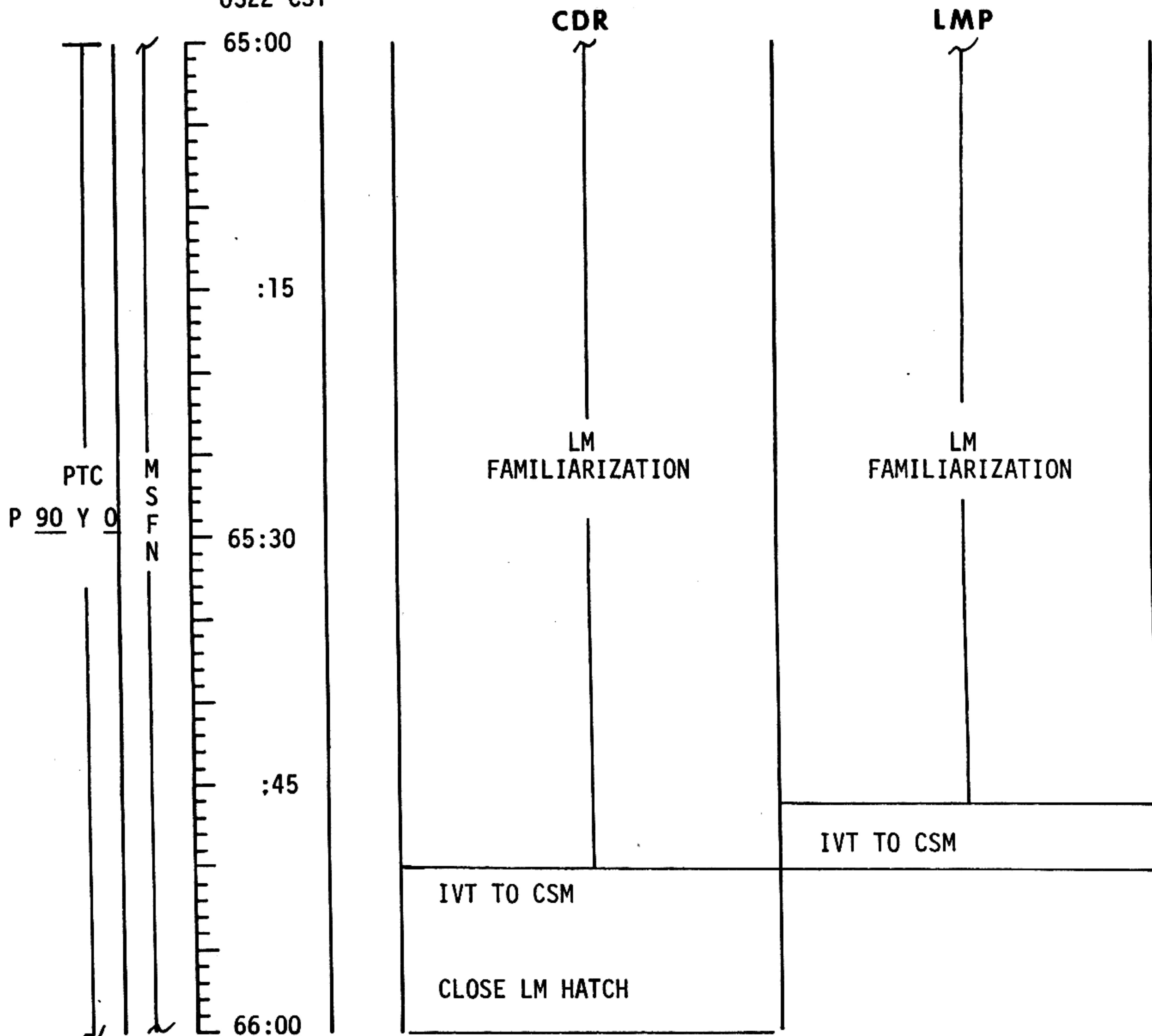
CMP

START PTC

0322 CST

LM

MCC-H



UPDATE TO CSM  
QUADS TO DISABLE  
FOR PTC (LOWEST  
QUANTITY PRPLNT)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	65:00 - 66:00	3/TLC	3-46

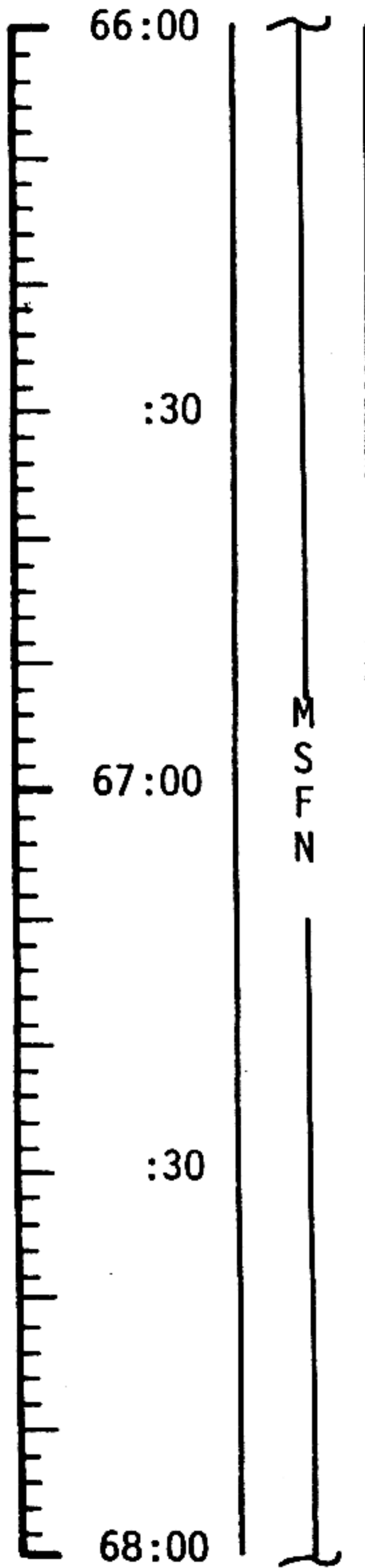
FLIGHT PLANNING BRANCH

MCC-H

0422 CST

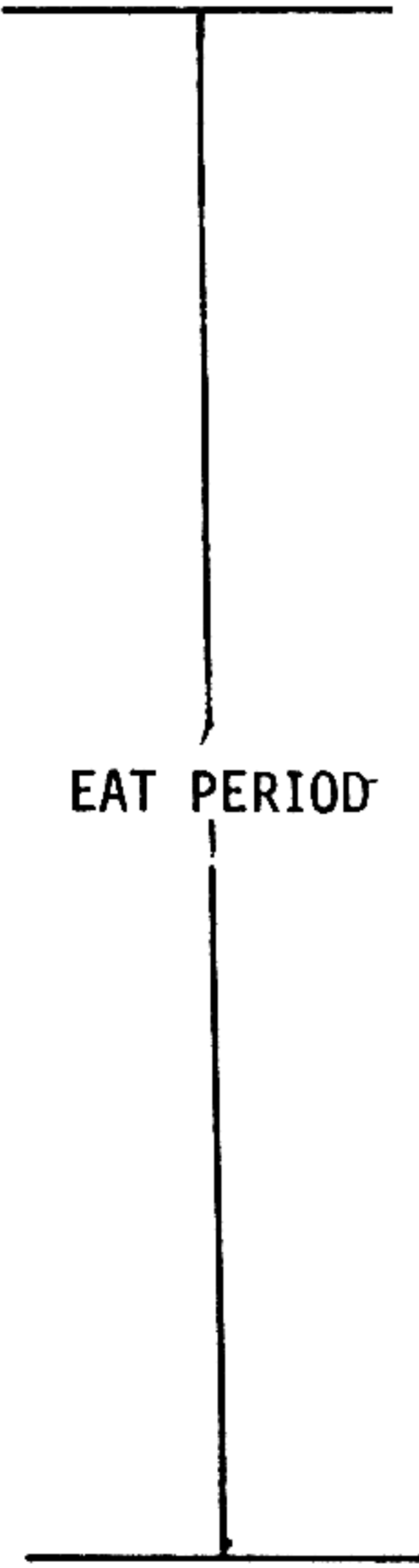
# FLIGHT PLAN

NOTES



CMP: INSTALL PROBE AND DROGUE  
 INSTALL CM HATCH  
 LM TUNNEL VENT VALVE - LM/CM ΔP

LiOH CANISTER CHANGE  
 NO. 6 (8 INTO B, STOW  
 6 IN B6)



PRESLEEP CHECKLIST:  
 CREW STATUS REPORT (MED)  
 ONBOARD READOUTS  
 CYCLE O2 & H2 FANS  
 CHLORINATE POTABLE WATER  
 VERIFY:  
 WASTE MNGT OVBD DRAIN - OFF  
 WASTE STOW VENT VLV - CLOSED  
 EMERG CABIN PRESS VLV - BOTH  
 SURGE TK O2 VLV - ON  
 REPRESS O2 VLV - OFF  
 LM TUNNEL VENT - LM/CM ΔP  
 "E" MEMORY DUMP  
 NORMAL LUNAR COMM EXCEPT:  
 S-BD NORMAL MODE VOICE - OFF  
 S-BD SQUELCH - ENABLE  
 S-BD AUX TAPE - OFF  
 S-BD ANT - OMNI  
 S-BD ANT OMNI - B  
 TAPE RCDR FWD - OFF

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

PTC  
 P 90 Y C

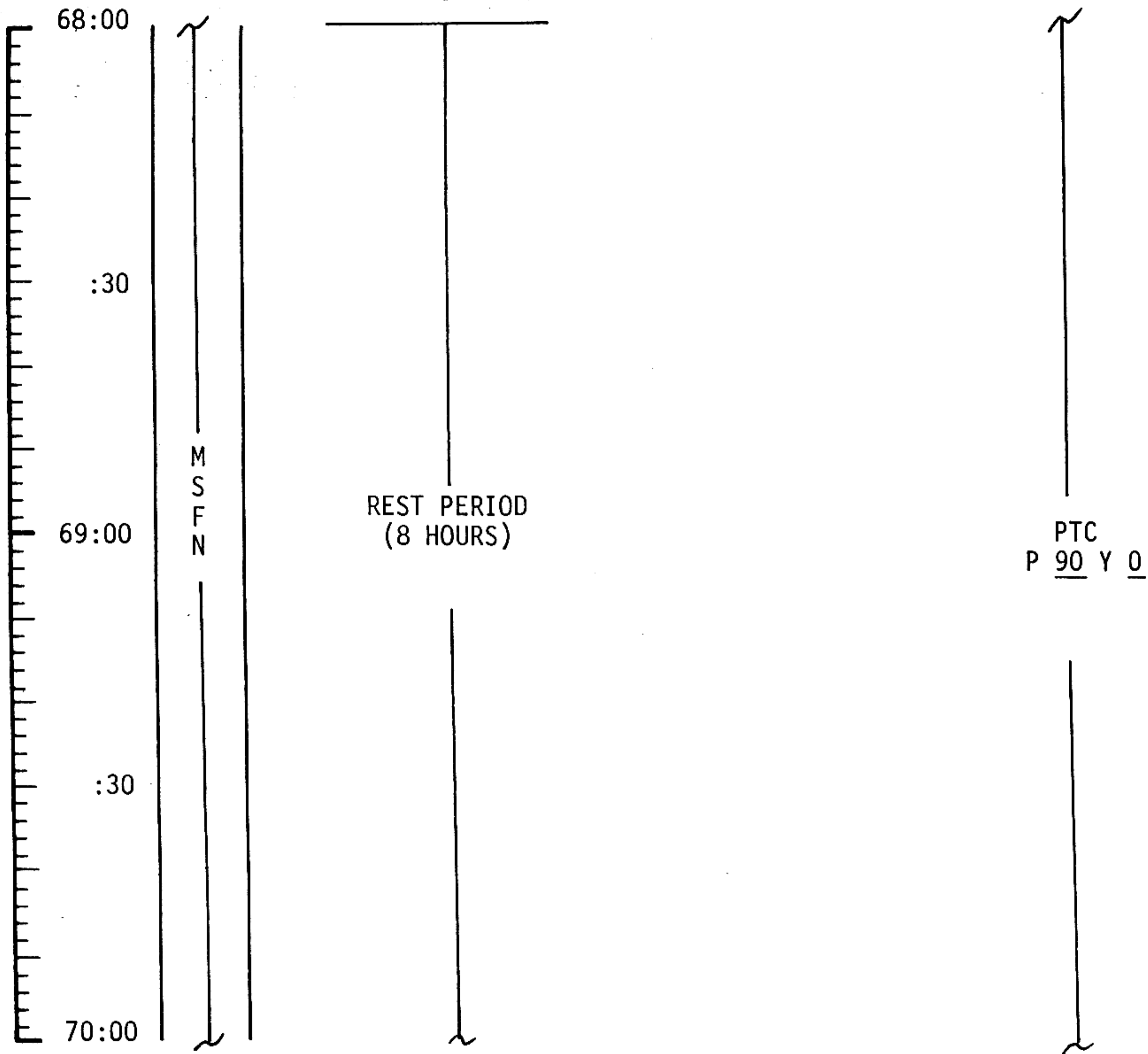
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	66:00 - 68:00	3/TLC	3-47

MCC-H

0622 CST

# FLIGHT PLAN

## NOTES



DURING REST PERIOD  
TWO CREWMEN IN  
COUCHES AND ONE  
IN REST STATION

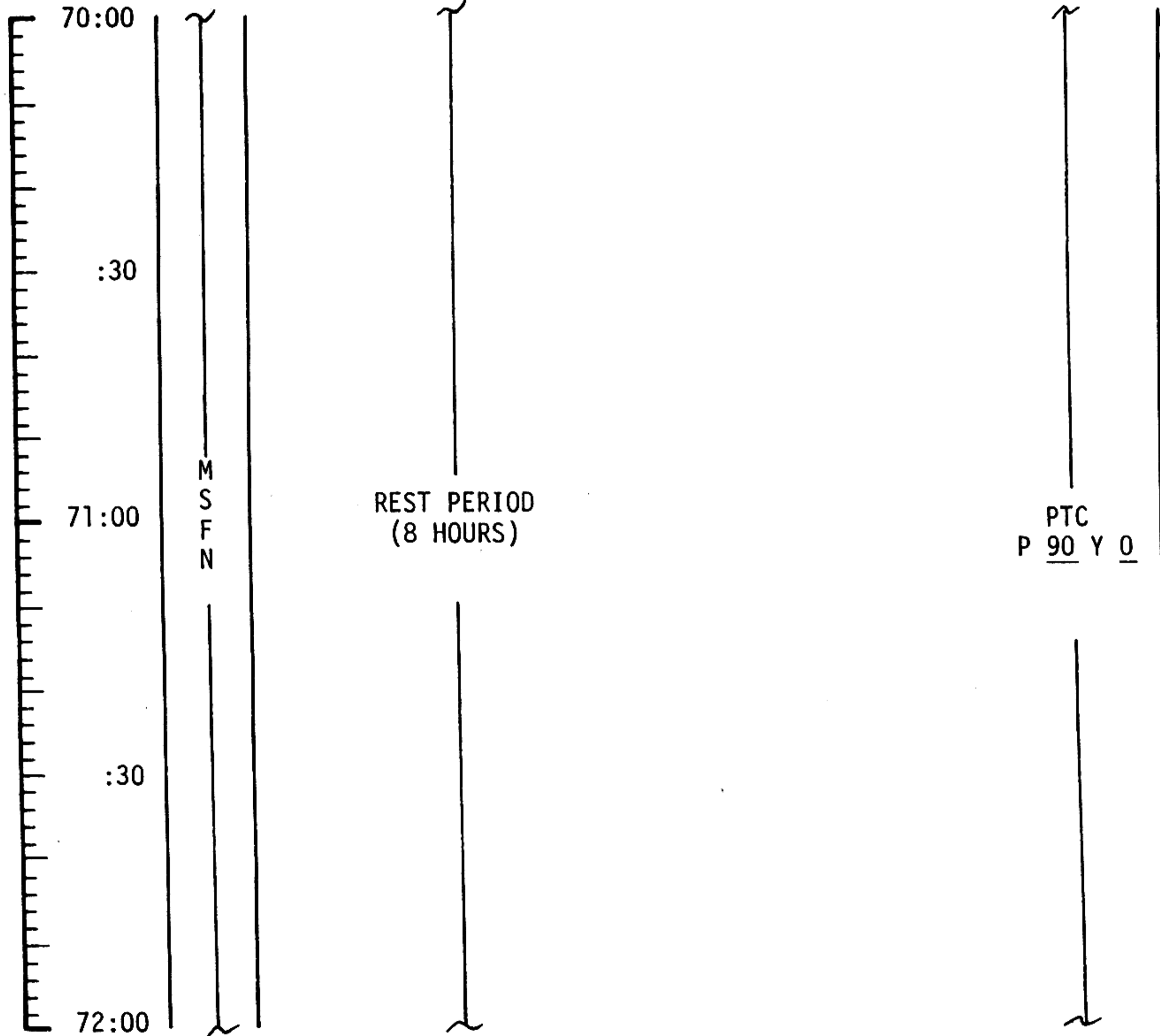
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	68:00 - 70:00	3/TLC	3-48

MCC-H

0822 CST

# FLIGHT PLAN

NOTES



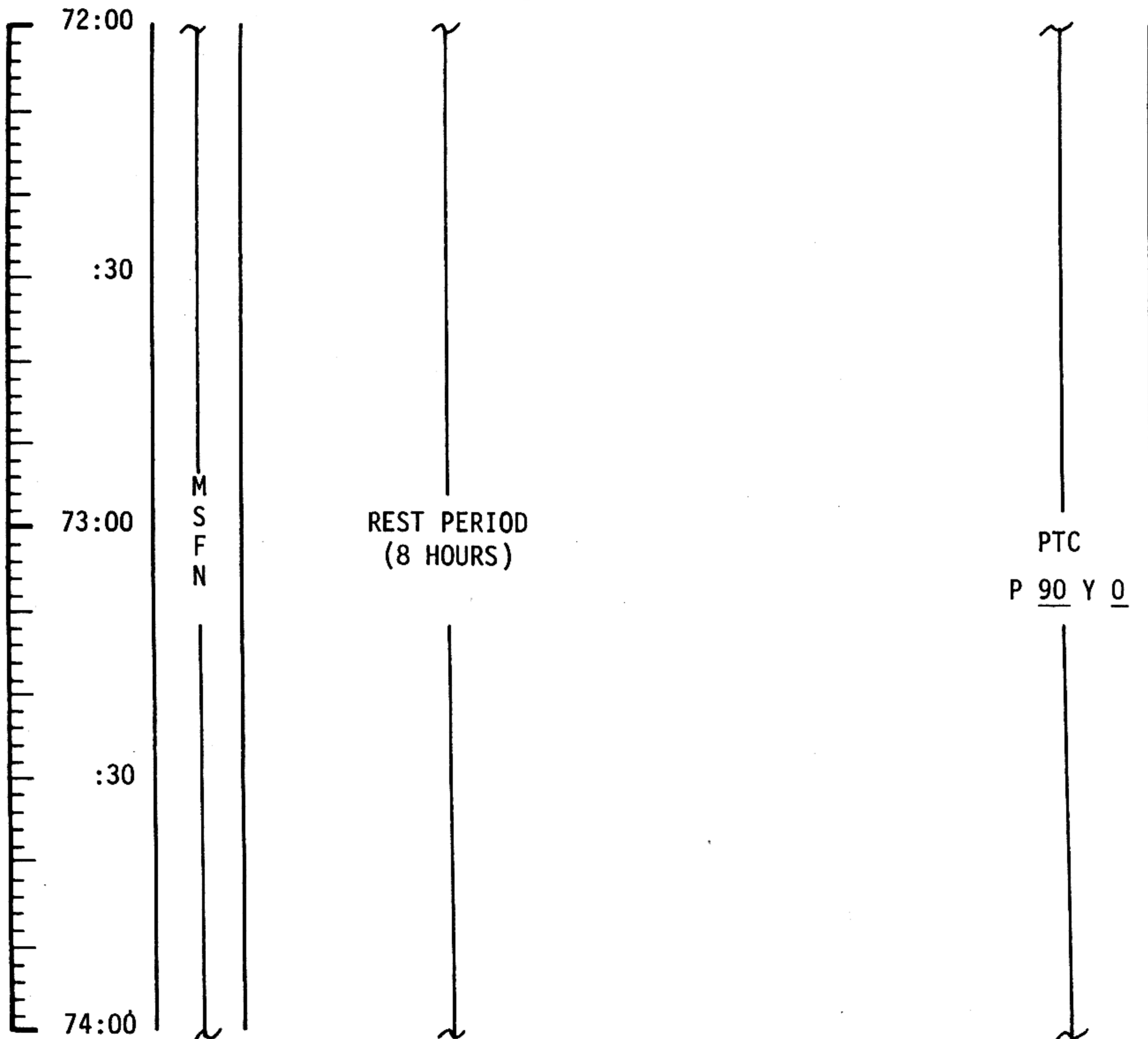
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	70:00 - 72:00	3/TLC	3-49

MCC-H

1022 CST

# FLIGHT PLAN

NOTES



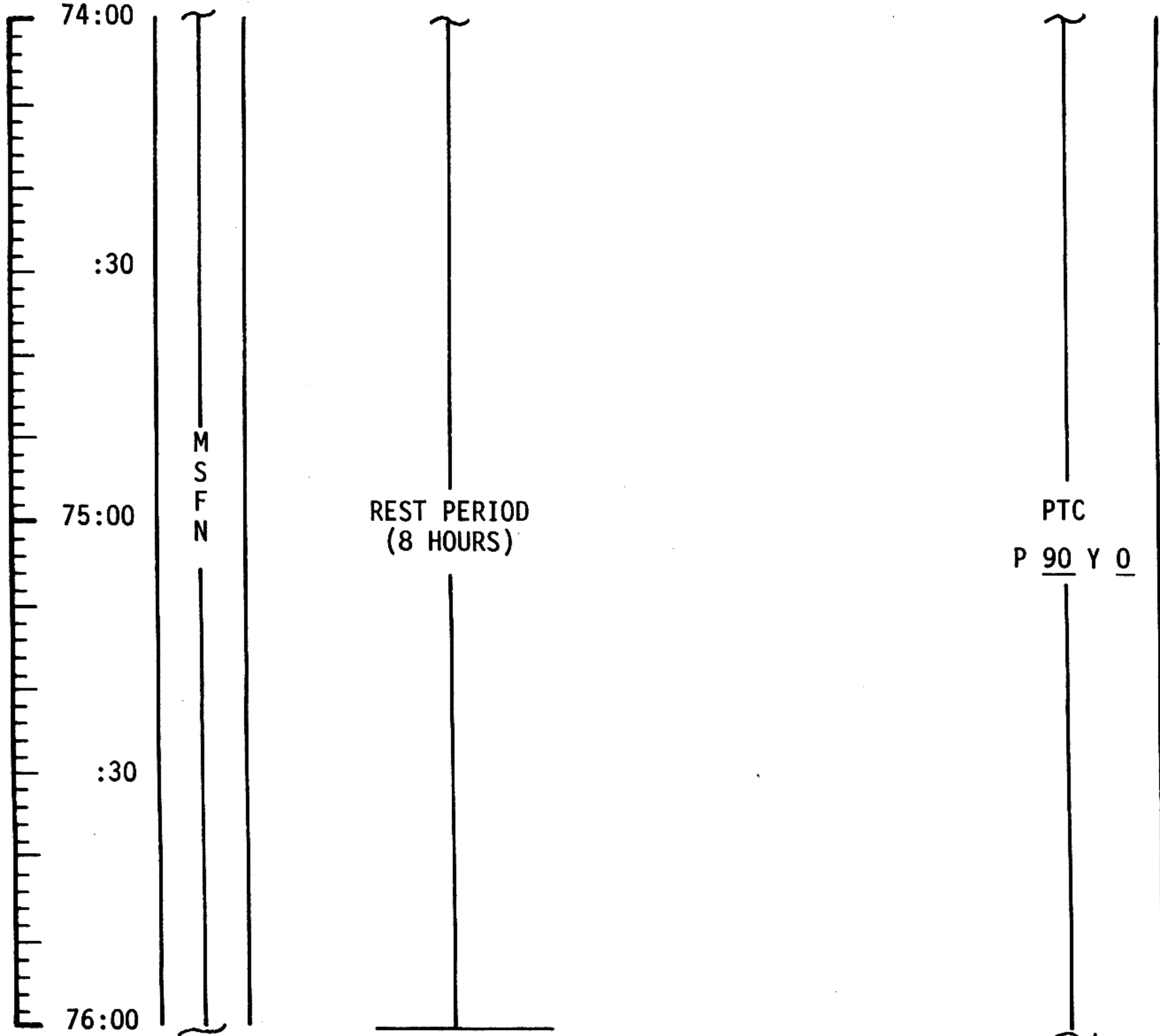
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	72:00 - 74:00	3/TLC	3-50

MCC-H

1222 CST

# FLIGHT PLAN

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	74:00 - 76:00	3/TLC	3-51