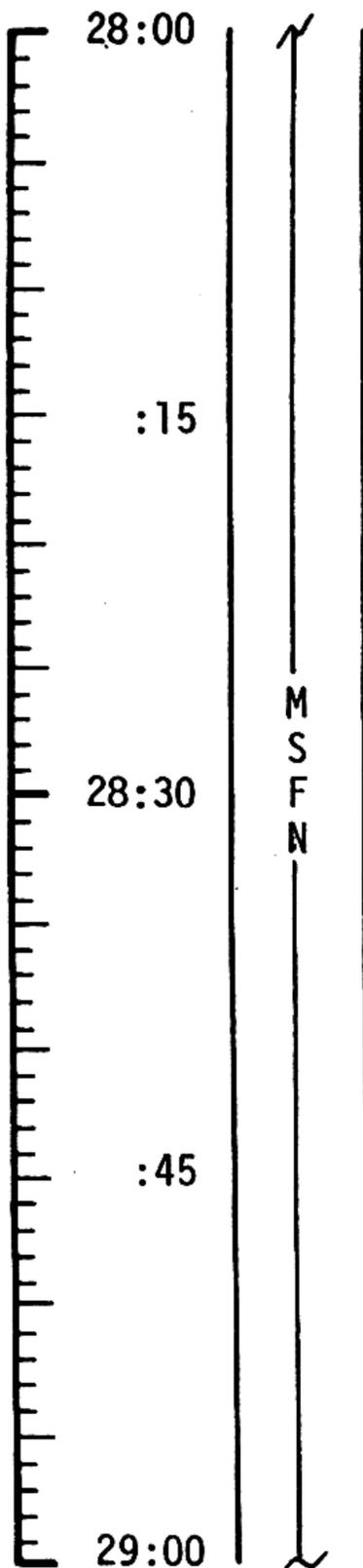


MCC-H

1422 CST

# FLIGHT PLAN

NOTES



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

EAT PERIOD

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

CREW STATUS REPORT

	CDR	CMP	LMP
SLEEP	_____	_____	_____
PRD	_____	_____	_____

UPDATE TO CSM  
CONSUMABLES  
FLIGHT PLAN

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	28:00 - 29:00	2/TLC	3-23

MCC-H

1522 CST

# FLIGHT PLAN

NOTES

29:00

:15

29:30

:45

30:00

M  
S  
F  
N

EAT PERIOD

REPORT LM/CM ΔP

P52 - IMU REALIGN  
OPTION 3 - REFSMMAT

REPORT GYRO TORQUING ANGLES

LIOH CANISTER CHANGE NO 3  
(5 INTO A, STOW 3 IN B5)

UPLINK TO CSM  
STATE VECTOR &  
MCC-2 TGT LOAD

V66

UPDATE TO CSM  
GO/NO-GO MCC-2  
MCC-2 MNVR PAD

PTC  
P 90 Y 0

P52 (PTC ORIENT)

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

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

N93:

X \_\_\_ . \_\_\_

Y \_\_\_ . \_\_\_

Z \_\_\_ . \_\_\_

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

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	29:00 - 30:00	2/TLC	3-24

# FLIGHT PLAN

MCC-2  
BURN TABLE

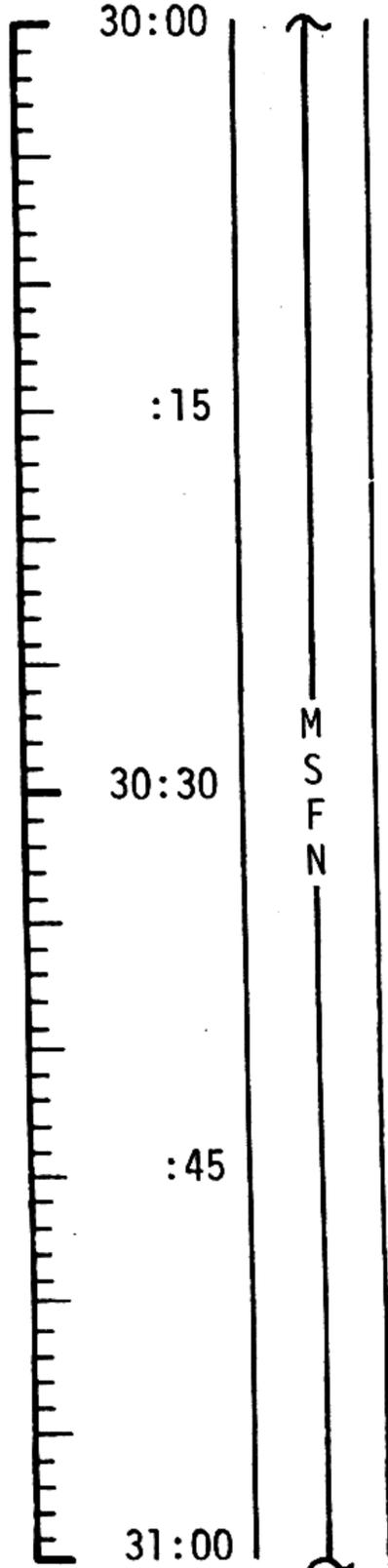
P OR Y RATES	ATT DEVIATION	SHUTDOWN TIME	RESIDUALS
10°/SEC TAKEOVER	+10° TAKEOVER	BT + 1 SEC	IF < 2FPS, TRIM X AXIS TO 0.2FPS IF > 2FPS, NO TRIM

TABLE 3-3  
3-25

MCC-H

1622 CST

# FLIGHT PLAN



P30 EXTERNAL  $\Delta V$

V49 - MNVR TO BURN ATT

SXT STAR CHECK

TV (GDS) 30:25 TO 31:00  
CM4/TV-IN (f5.6)

O<sub>2</sub> FUEL CELL PURGE  
WASTE WATER DUMP

P40 - SPS THRUST

GDC ALIGN TO IMU

**MCC-2**

V66 - TRANSFER CSM SV TO LM SLOT  
MCC-2 BURN STATUS REPORT

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

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

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

\*ITEMS TO BE REPORTED TO MSFN

TIG: 30:52:43.7  
 BT: 10.0SEC  
 $\Delta V$ : 68.8 FPS  
 ULLAGE - NONE

ATTITUDE FOR MCC-2  
 BURN IS CONSTRAINED  
 IN ROLL FOR HGA  
 ACQUISITION FOR TV  
 AND BY SXT STAR CHECK

TLI + 28 HRS

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	30:00 - 31:00	2/TLC	3-26

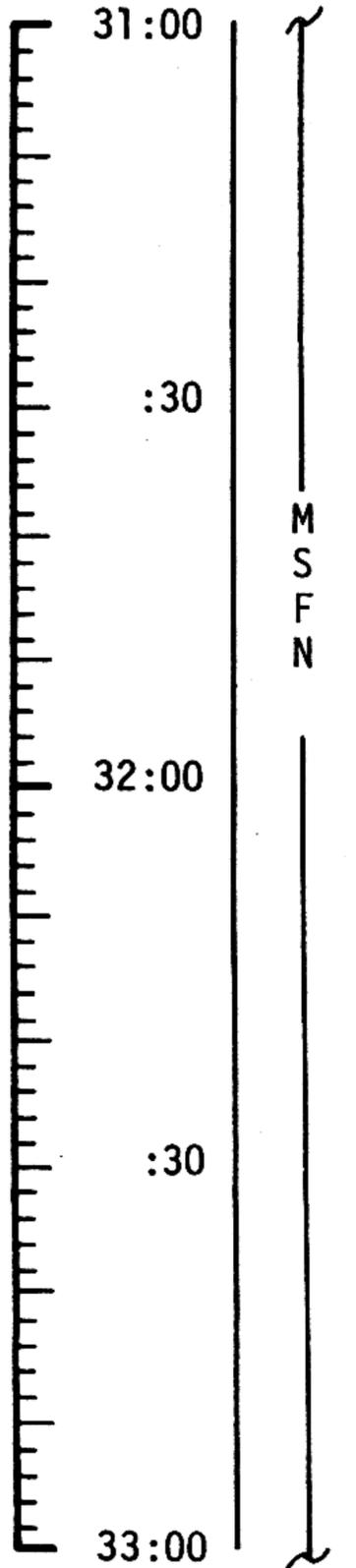
MCC-H

1722 CST

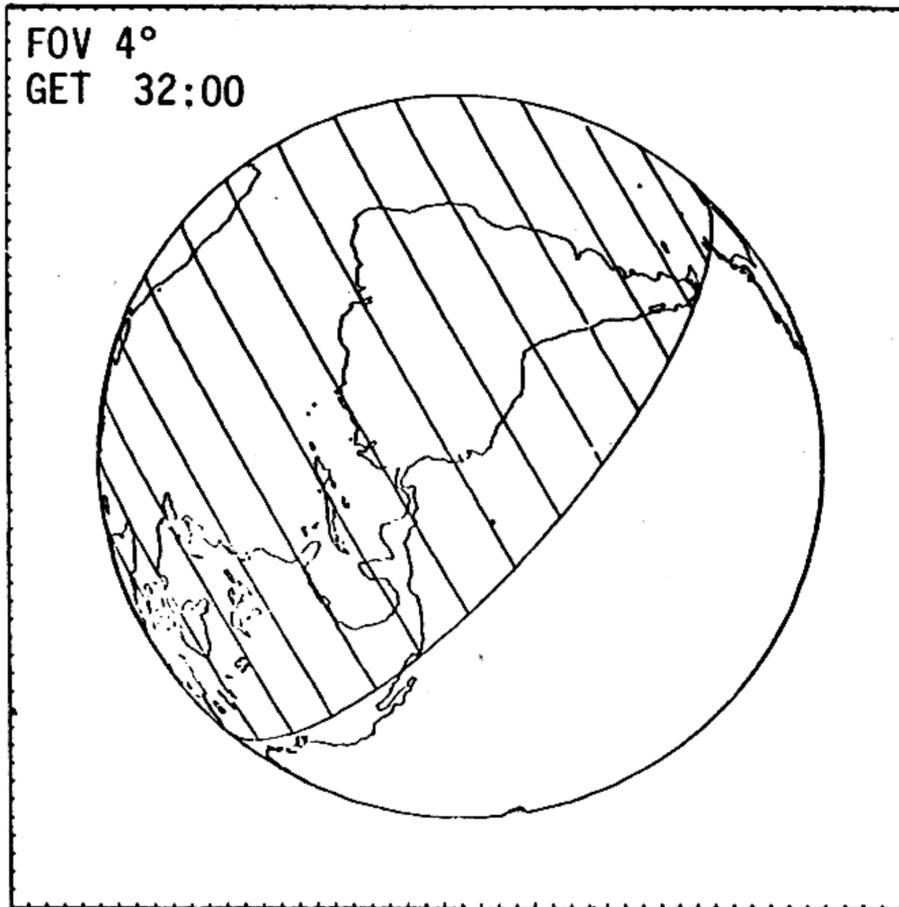
# FLIGHT PLAN

NOTES

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



MANEUVER TO PTC ATTITUDE P 90  
 START PTC Y 0  
 S-BAND ANT - OMNI  
 SECURE HGA  
 HGA TRACK - MAN  
 HGA PITCH -52°  
 HGA YAW 270°  
 CHECK BAT VENT (TEST METER 4A)



PTC  
P 90 Y 0

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	31:00 - 33:00	2/TLC	3-27

MSC Form 29 (May 69)

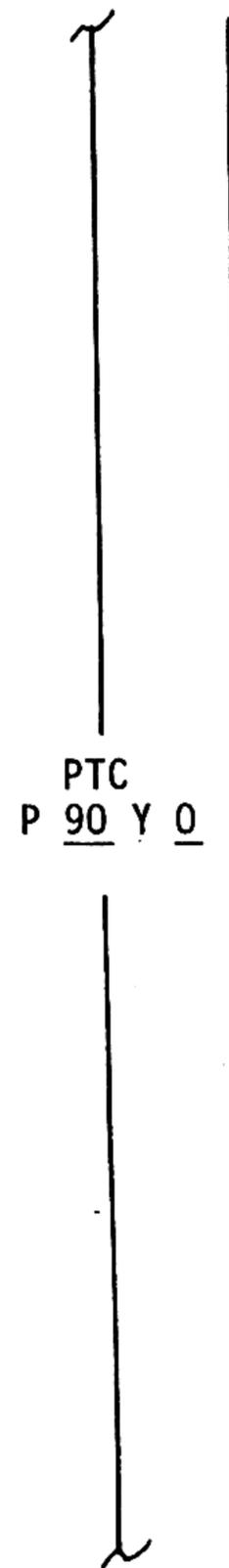
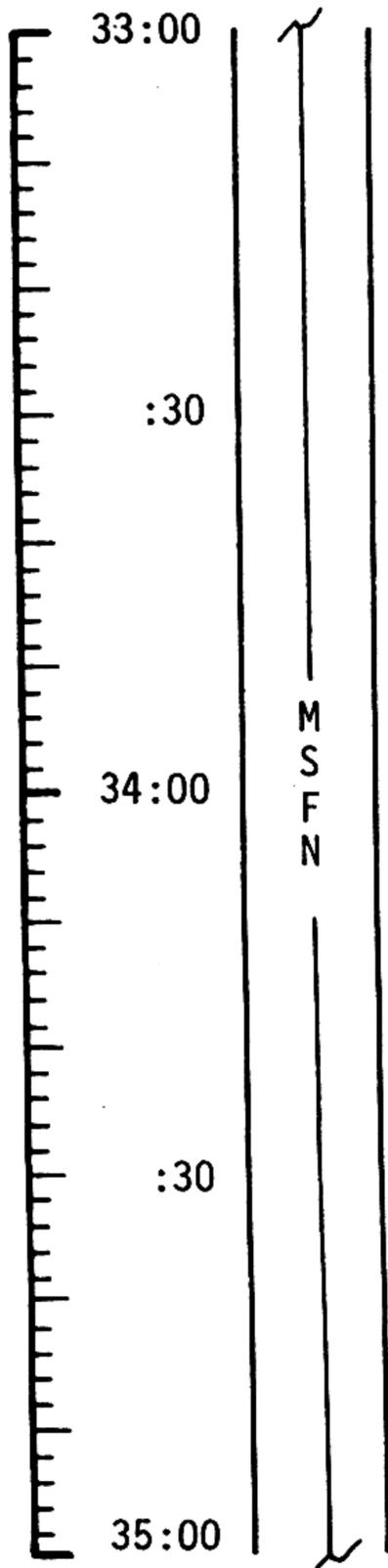
FLIGHT PLANNING BRANCH

MCC-H

1922 CST

# FLIGHT PLAN

NOTES



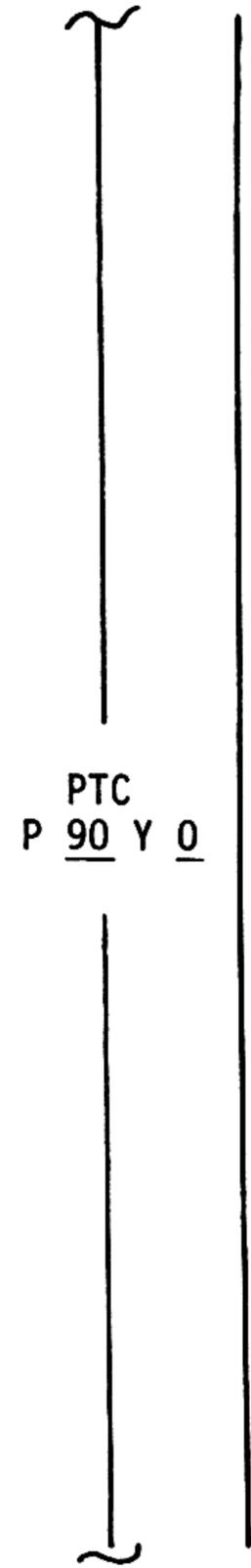
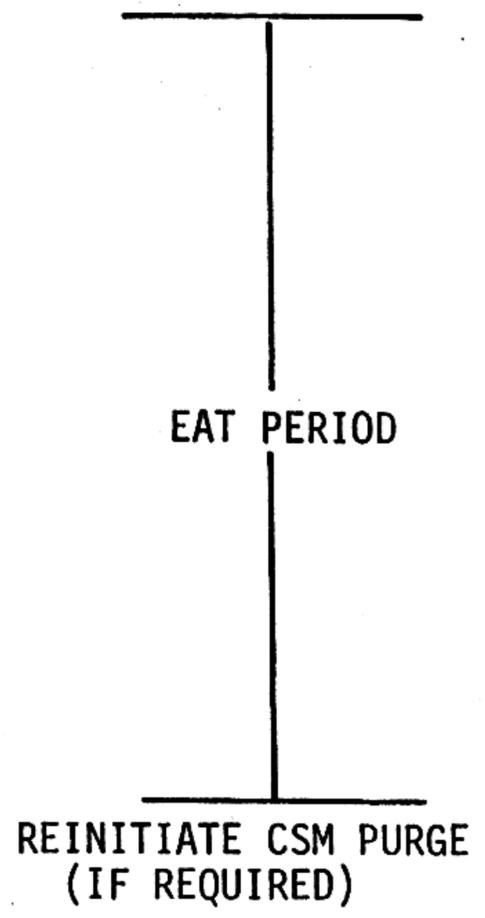
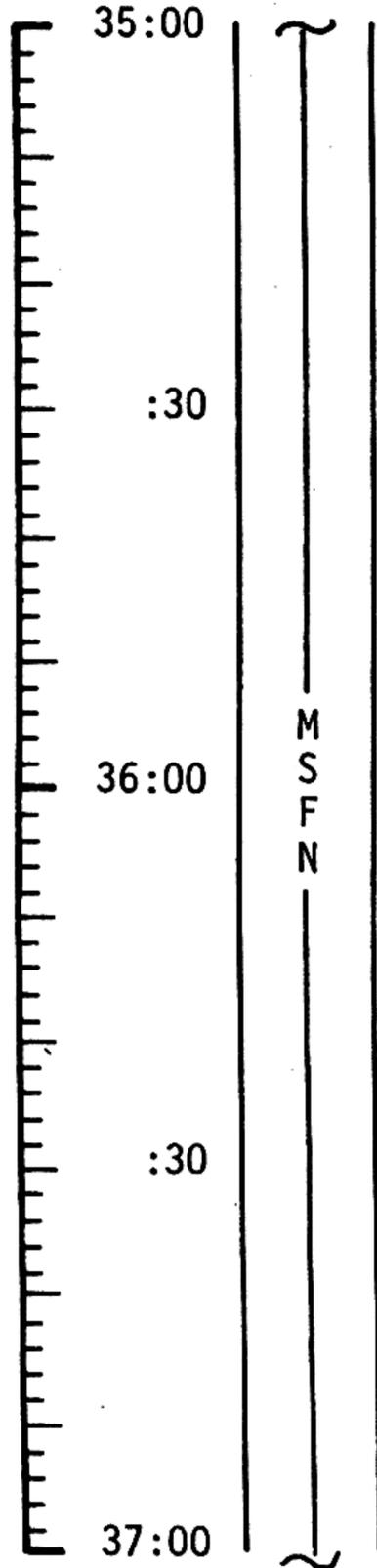
UPDATE TO CSM  
LOI-1 MINUS 5 HR  
ABORT PAD

LOI-1 MINUS 5 HR  
ABORT IS  
CIRCUMLUNAR  
TRAJECTORY TO THE  
PRI MPL AND  
WITH A PERILUNE  
BETWEEN 60 AND  
1500 NM.

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	33:00 - 35:00	2/TLC	3-28

# FLIGHT PLAN

## NOTES



THE LENGTH OF THE SECOND CSM CABIN PURGE WILL BE DETERMINED REAL TIME BASED ON THE LM LEAK RATE INSURING LM O<sub>2</sub> PURITY REQUIREMENTS ON THE LUNAR SURFACE

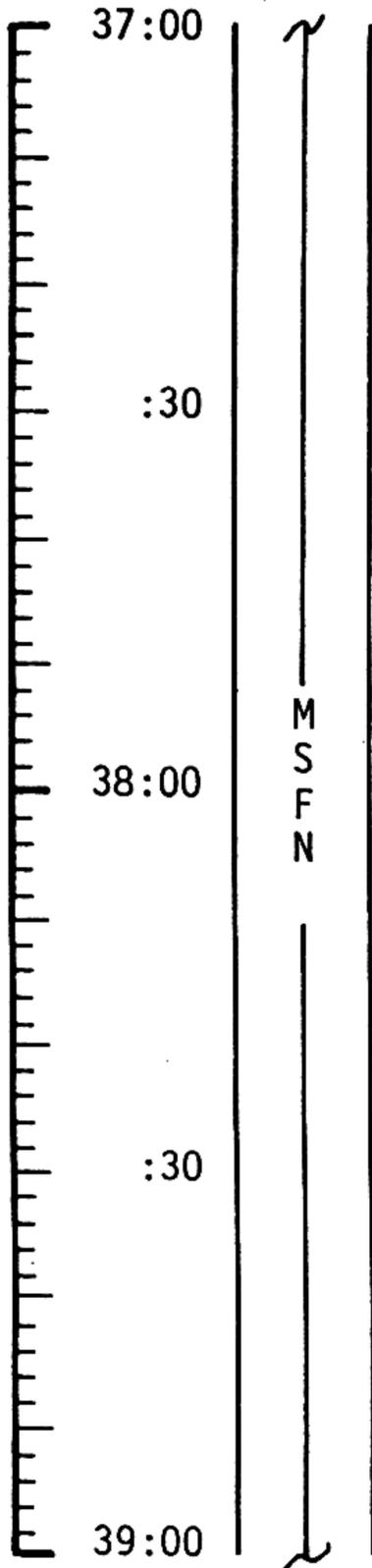
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	35:00 - 37:00	2/TLC	3-29

MCC-H

2322 CST

# FLIGHT PLAN

NOTES



PTC  
P 90 Y 0

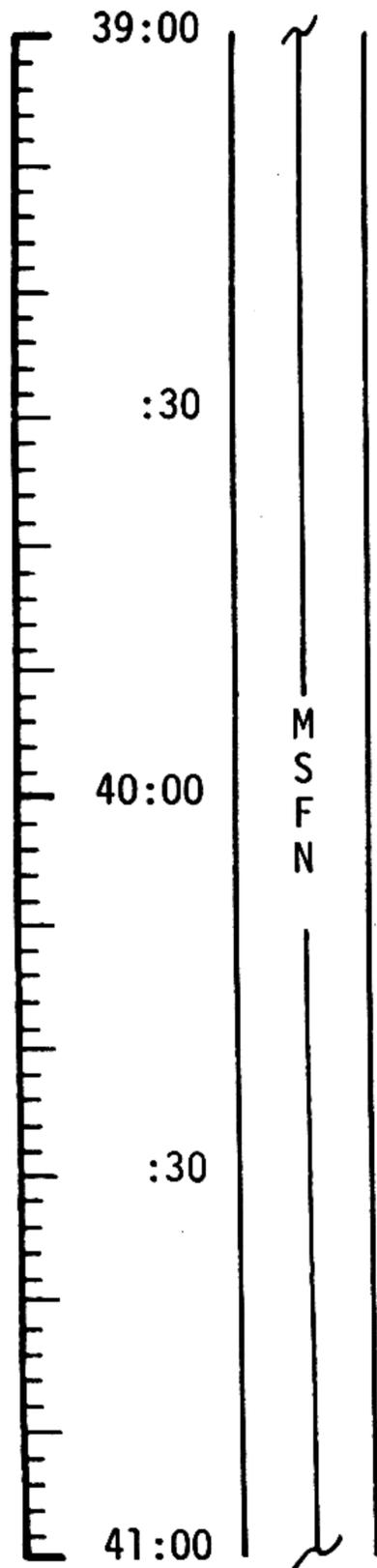
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	37:00 - 39:00	2/TLC	3-30

MCC-H

0122 CST

# FLIGHT PLAN

NOTES



M  
S  
F  
N

REPORT LM/CM ΔP

PTC  
P 90 Y 0

H<sub>2</sub> PURGE LINE HTRS - ON

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	39:00 - 41:00	2/TLC	3-31

MCC-H

0322 CST

# FLIGHT PLAN

## NOTES

41:00

:30

42:00

:30

43:00

M  
S  
F  
N

WASTE WATER DUMP  
H<sub>2</sub> & O<sub>2</sub> FUEL CELL PURGE  
LiOH CANISTER CHANGE NO. 4  
(6 INTO B, STOW 4 IN B5)

EAT PERIOD

**PRESLEEP CHECKLIST:**  
 CREW STATUS REPORT (MED)  
 ONBOARD READOUTS  
 CYCLE O<sub>2</sub> & H<sub>2</sub> FANS  
 CHLORINATE POTABLE WATER  
 VERIFY:  
 WASTE MNGT OVBD DRAIN - OFF  
 WASTE STOW VENT VLV - CLOSED  
 EMER CABIN PRESS VLV - BOTH  
 SURGE TK O<sub>2</sub> VLV - ON  
 REPRESS O<sub>2</sub> 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

UPLINK TO CSM  
STATE VECTOR & V66

PTC  
P 90 Y 0

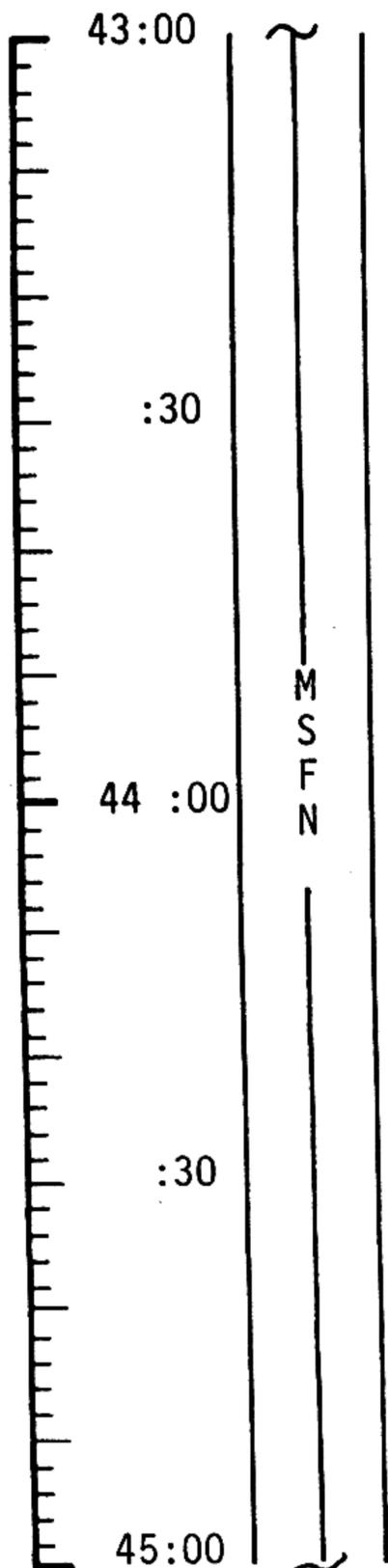
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	41:00 - 43:00	2/TLC	3-32

MCC-H

0522 CST

# FLIGHT PLAN

## NOTES



M  
S  
F  
N

REST PERIOD  
(10 HOURS)

PTC  
P 90 Y 0

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

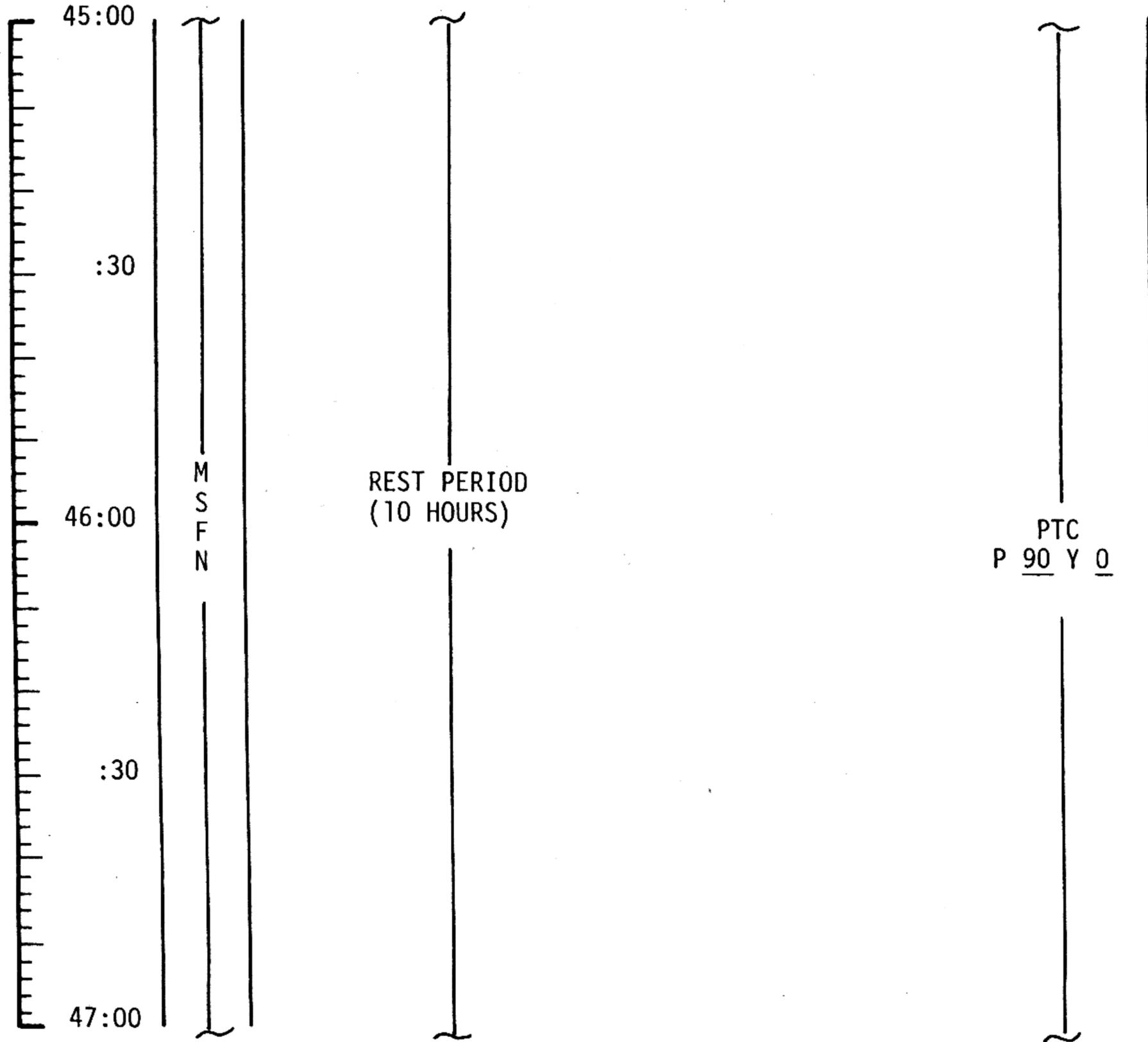
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	43:00 - 45:00	2/TLC	3-33

MCC-H

0722 CST

# FLIGHT PLAN

NOTES



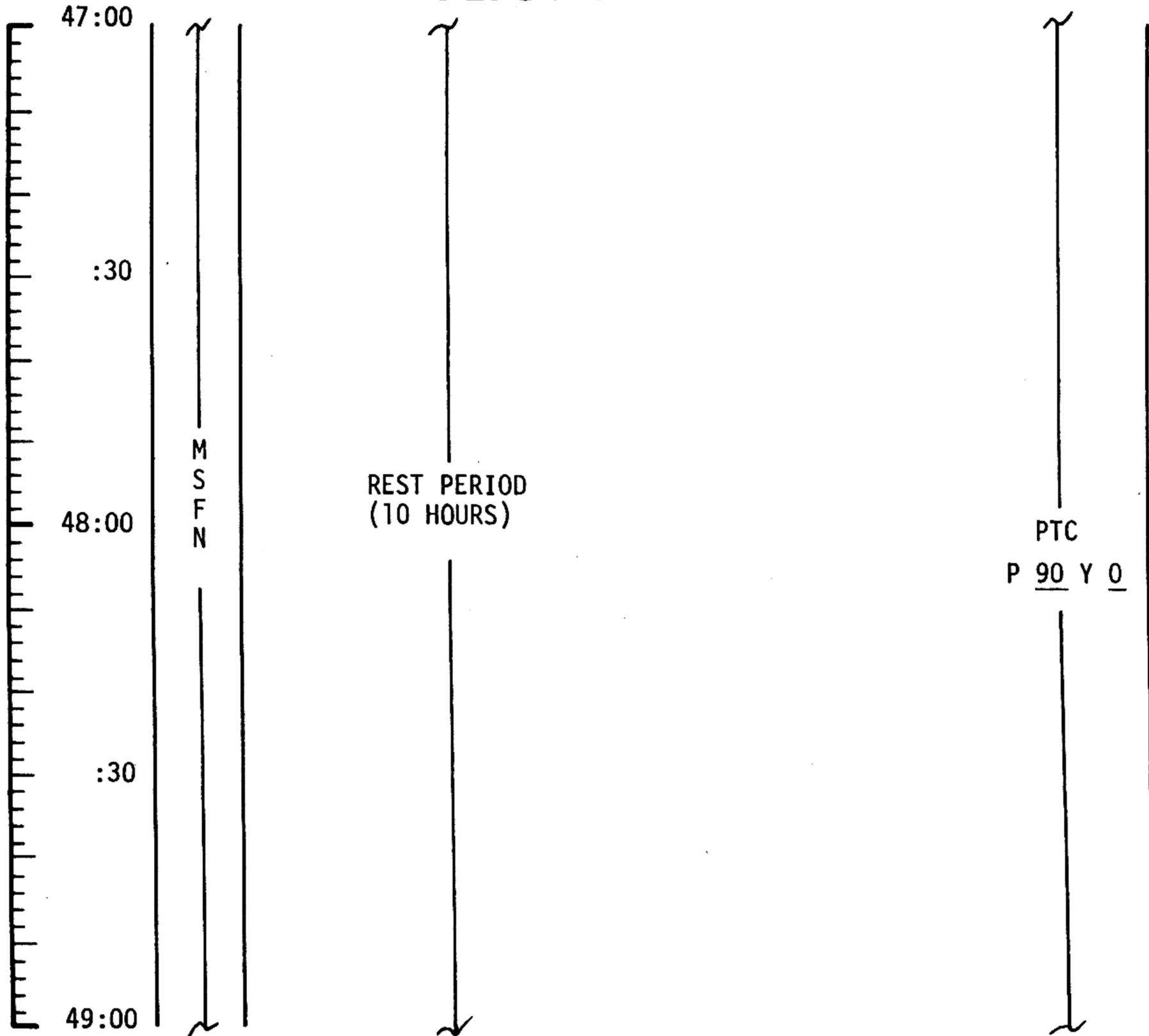
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	45:00 - 47:00	2/TLC	3-34

CC-H

0922 CST

# FLIGHT PLAN

NOTES



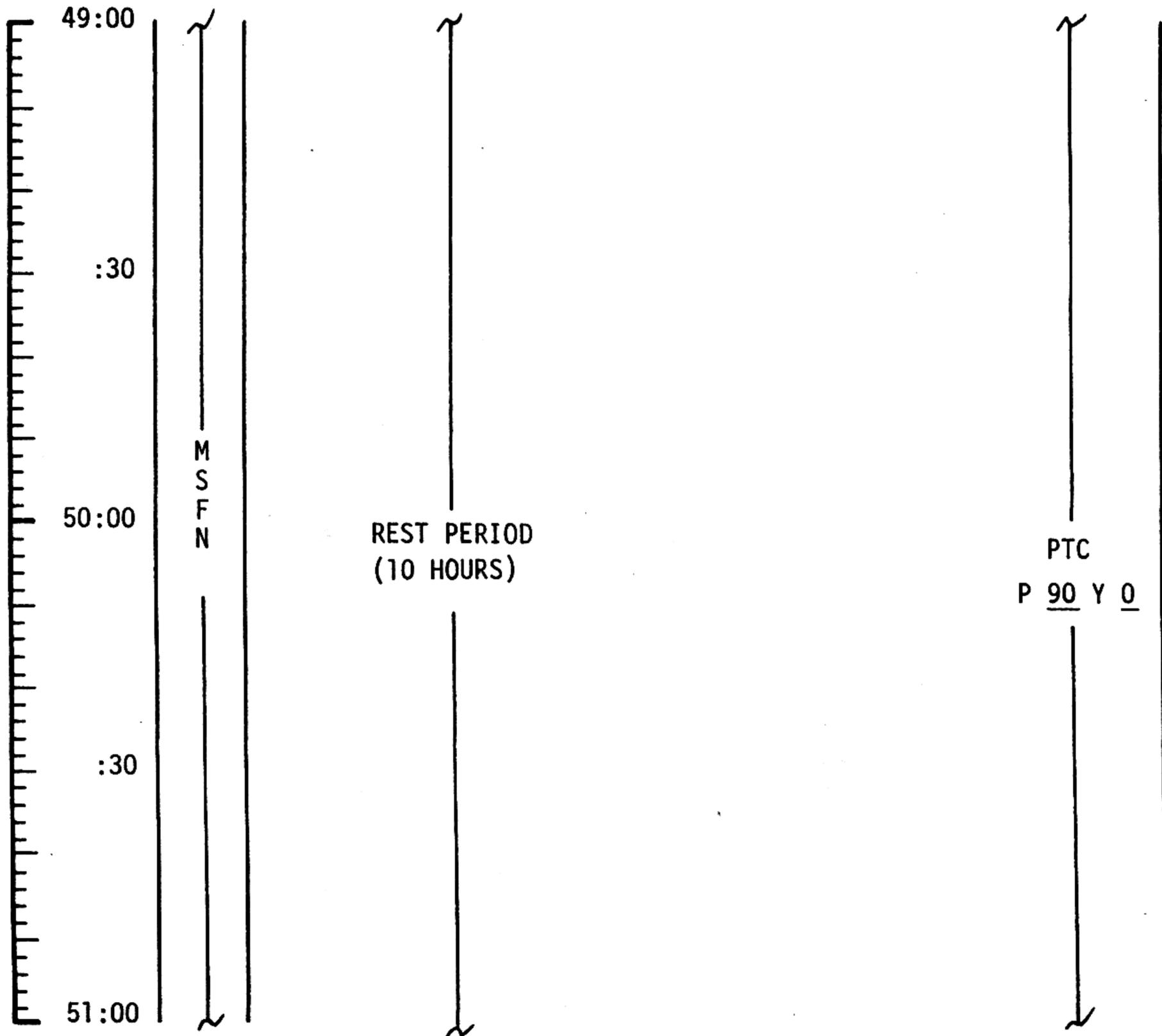
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	47:00 - 49:00	2/TLC	3-35

MCC-H

1122 CST

# FLIGHT PLAN

NOTES



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 12	FINAL (NOV 14)	OCTOBER 15, 1969	49:00 - 51:00	2/TLC	3-36