

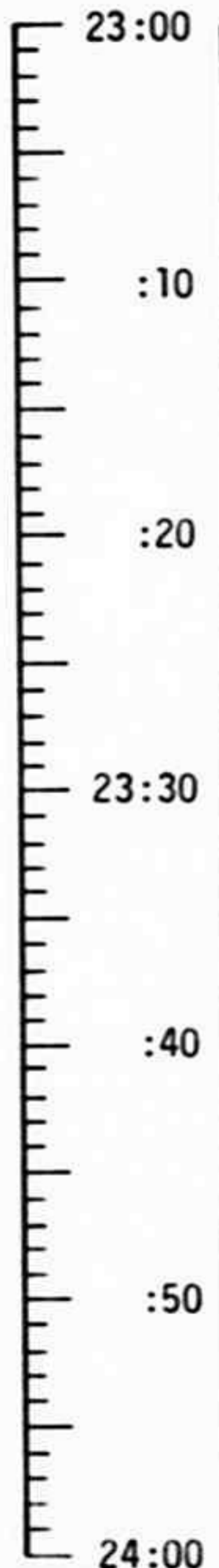
FLIGHT PLAN

MCC-H

1054 CST

NOTES

UPDATE TO CSM
CONSUMABLES STATUS
FLIGHT PLAN



CSM SYSTEMS CHECKLIST

POST-SLEEP CHECKLIST PAGE S/1-29
CHARGE BATTERY A
H₂ HEATERS 1&2 - OFF

BEGIN URINE COLLECTION PERIOD:
UNSTOW URINE SAMPLE BAGS, AS NEEDED (A6)
COLLECT URINE PER URINE DUMP MODES PAGE S/1-11
C. UTS (COLLECTION)
D. UTS/URINE BAG (TRANSFER)



DAP LOAD STATUS
(21101)(X1111)
EARTH DISTANCE
~ 97,700 NM

COLLECTION PERIOD
BEGINS WITH SECOND
VOID AFTER WAKEUP.
EACH CREWMAN WILL
USE A SEPERATE URINE
SAMPLE BAG FOR URINE
COLLECTION.

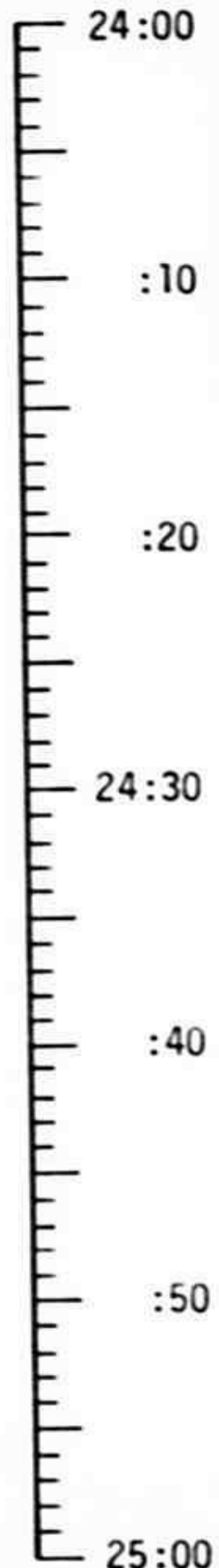
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	23:00 - 24:00	2/TLC	3-25

FLIGHT PLAN

MCC-H

1154 CST

NOTES



MSFN

EAT PERIOD

PTC

DAP LOAD STATUS
(21101)(X1111)

LiOH CANISTER CHANGE
(4 INTO B, STOW 2 INTO B5)

ACQ MSFN, HGA: REACQ, NARROW (CUE MSFN FOR PITCH AND YAW ANGLES)
REPORT: LM/CM ΔP

CSM EXP/EVA CHECKLIST

PC AND MC FILM CYCLING, PAGE X/1-17

OMNI B
SECURE HGA: MAN, WIDE HGA P -52, Y 270

CDR DON BIOMED HARNESS
LMP DOFF BIOMED HARNESS

UPDATE TO CSM
HGA ANGLES FOR
FILM CYCLE

MSFN CMD
DATA SYS - OFF

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/27/72 3/6/72	24:00 - 25:00	2/TLC	3-26

CHANGE A

FLIGHT PLANNING BRANCH

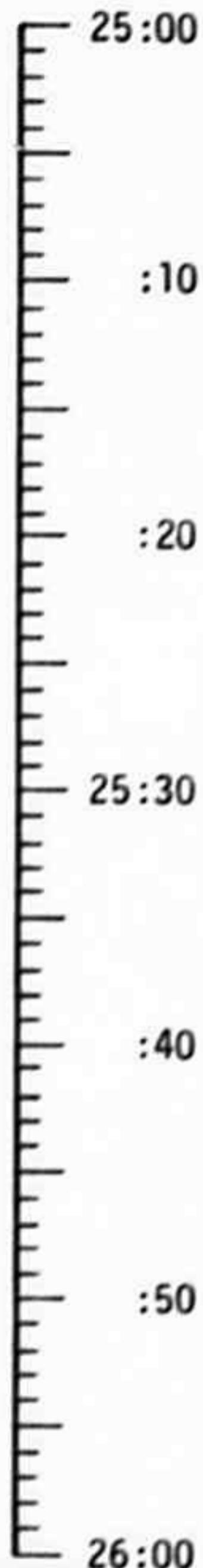
FLIGHT PLAN

MCC-H

1254 CST

NOTES

DAP LOAD STATUS
(21101)(X1111)



M
S
F
N

CSM EXP/EVA CHECKLIST
ELECTROPHORESIS, PAGE X/2-36
MAG (UU)

ELECTROPHORESIS

PTC

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16) <i>CHANGE A</i>	3/27/72 3/6/72	25:00 - 26:00	2/TLC	3-27

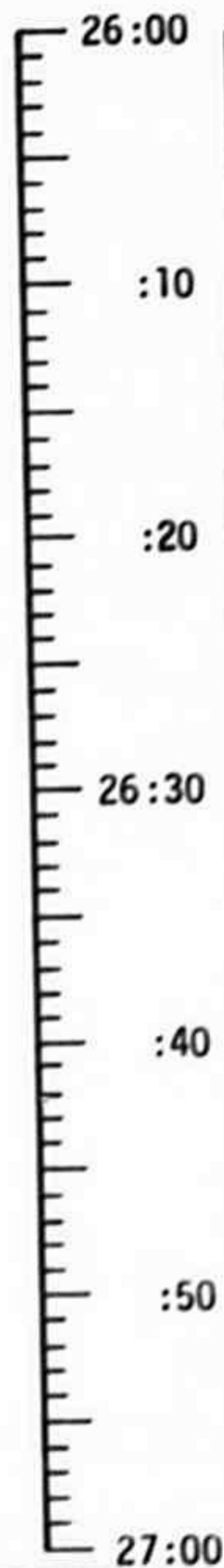
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1354 CST

NOTES



MSFN

ELECTROPHORESIS

PTC

CREW EXERCISE PERIOD

DAP LOAD STATUS
(21101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	26:00 - 27:00	2/TLC	3-28

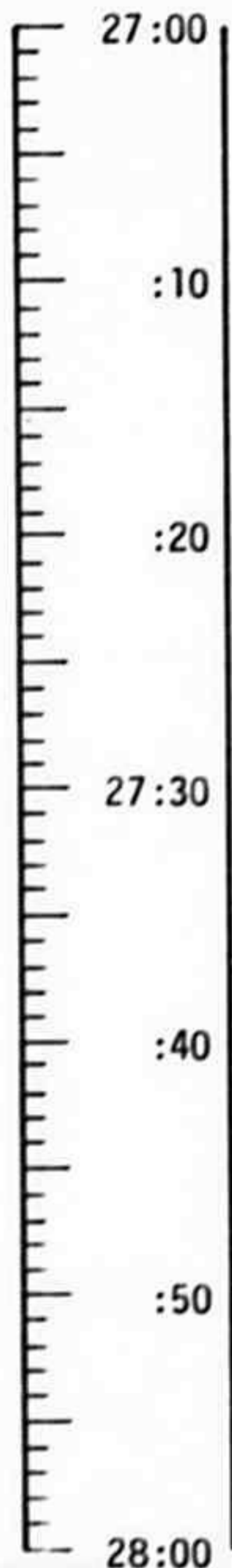
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1454 CST

NOTES



M
S
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N

CREW EXERCISE PERIOD

PTC

DAP LOAD STATUS
(21101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	27:00 - 28:00	2/TLC	3-29

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1554 CST

NOTES



M
S
F
H

CREW EXERCISE PERIOD

PTC

DAP LOAD STATUS
(21101)(X1111)

UPDATE TO CSM
GO/NO-GO FOR MCC-2

* CSM G&C CHECKLIST

*EMS ΔV TEST & NULL BIAS CHECK PAGE G/2-5

*REPORT: BIAS

*MEASURE SPEED REPEATABILITY OF TAPE
RECORDER & PREPARE ZODIACAL LIGHT & S.R.
SOLAR CORONA TAPES*

*PERFORMED IF MCC-2
IS REQUIRED

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	28:00 - 29:00	2/TLC	3-30

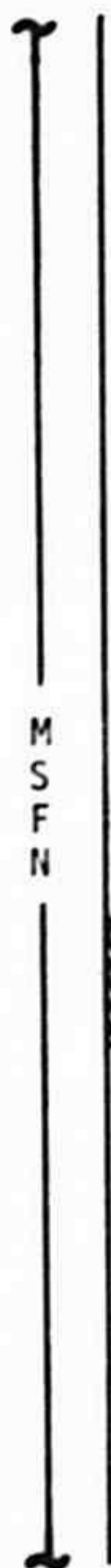
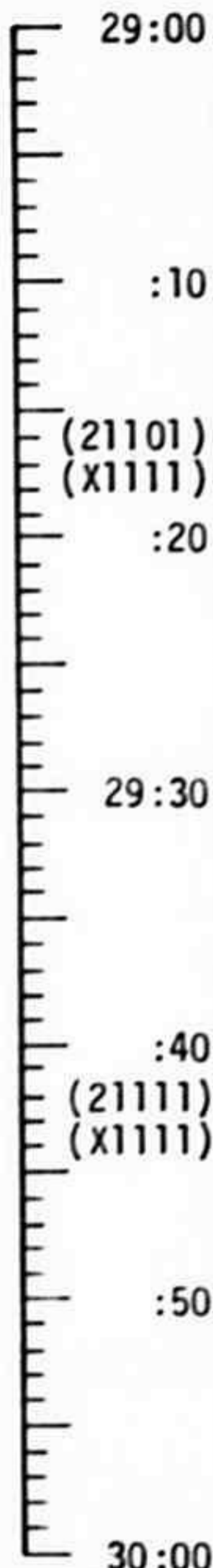
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1654 CST

NOTES



CSM G&C CHECKLIST

EXIT G&N PTC PAGE G/8-3

CSM EXP/EVA CHECKLIST

V49 MNVR TO EARTH UV PHOTO ATT (29:30)
 (208,358,022) OMNI D
 EARTH UV PHOTOGRAPHY SEQ A, PAGE X/2-16
 MAG (00)
 MAG (NN)

V48(21111)
 (X1111)
 P52 (OPTION 3)
 (PTC ORIENT)

REPORT: GYRO TORQUING ANGLES
 GDC ALIGN



DAP LOAD STATUS
 (21101)(X1111)

P52 IMU REALIGN	
N71:	___ . ___
N05:	___ . ___
N93:	
X	___ . ___
Y	___ . ___
Z	___ . ___
GET	___ : ___ : ___

EARTH DISTANCE
 ~ 117,600 NM

UPLINK TO CSM
 CSM S.V. & V66
 MCC-2 TGT LOAD

UPDATE TO CSM
 MCC-2 MNVR PAD

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16) <i>CHANGE A</i>	3/27/72 3/6/72	29:00 - 30:00	2/TLC	3-31

FLIGHT PLANNING BRANCH

MCC-2
BURN TABLE

NO MANUAL START OR RESTART

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

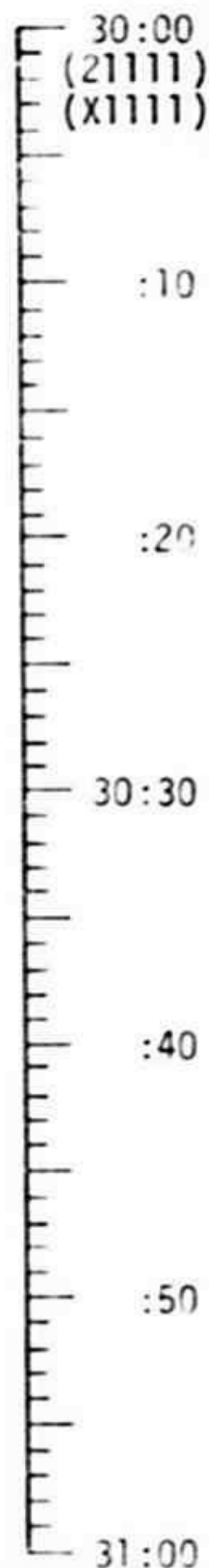
FLIGHT PLAN

MCC-H

1754 CST

NOTES

*PERFORM IF MCC-2
IS REQUIRED



H₂ PURGE LINE HEATERS - ON

- *P30 EXTERNAL ΔV
- *CYCLE CMC MODE - FREE/AUTO
- *V48(21101)(X1111)
- *V49 MNVR TO PAD BURN ATTITUDE
- *IF SPS MIDCOURSE REQUIRED:
 - * PRE SPS BURN SIM PREP (CUE CARD)
 - * TERMINATE BATTERY CHARGE A
- *SXT STAR CHECK
- *P40 SPS THRUSTING OR P41 RCS THRUSTING
- WASTE WATER DUMP
- H₂ & O₂ FUEL CELL PURGE

H₂ PURGE LINE HEATERS - OFF

MCC-2

- *V66 SET CSM S.V. INTO LM S.V.
- *IF SPS MIDCOURSE PERFORMED:
 - * PC - OFF
 - * MC - OFF
 - * SM/AC PWR - OFF
 - * CHARGE BATTERY A
- *REPORT: BURN STATUS
- *V48(21111)
(X1111)
- REPORT: LM/CM ΔP
- IF LM/CM ΔP < 2.7 PSID, TUNNEL VENT VLV-VENT
UNTIL ΔP > 2.7 PSID.

TIG: 30:39
 BT: NOM ZERO
 ΔVT: NOM ZERO
 ULLAGE: NONE

TLI CUTOFF +28 HR

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 _c
X	X	X		FUEL
X	X	X		OX
X	X	X		UNBAL

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	30:00 - 31:00	2/TLC	3-33

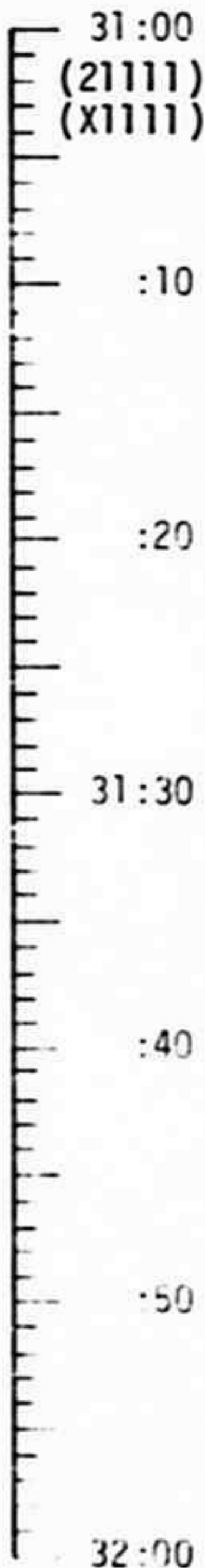
FLIGHT PLANNING BRANCH

MCC-H

1854 CST

FLIGHT PLAN

NOTES



M
S
F
N

EVALUATE FOOD TEMPERATURE

EAT PERIOD

O₂ HEATERS 1,2,3 - AUTO

EARTH DISTANCE
~ 122,800 NM

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	31:00 - 32:00	2/TLC	3-34

FLIGHT PLANNING BRANCH

MCC-H

1954 CST

FLIGHT PLAN

NOTES

32:00
(21111)
(X1111)

:10

:20

32:30

:40

:50

33:00

M
S
F
N

PREPARE ITEMS PER CSM TO LM TRANSFER LIST

CSM TO LM TRANSFER LIST (TLC)

CSM LOCATION	ITEM	LM LOCATION
A2	JETTISON BAG	TEMP STOW
ICG	SCISSORS (1)	DATA FILE
CCU CABLE ON CREW	CWG ELECT ADAPT W/CAP (2)	ON CREW
R5	COMM CARR (2)	ON CREW
R5	INFLIGHT STRAPS (4)	ON CDR'S UMBIL
R13	UTILITY STRAPS (3)	LHSSC
R13	70MM MAG (4) IN BAG	AFT RHSSC (BW-L, HCEX-A,E & F)
R13	70MM MAG (3) IN BAG	AFT ENG COVER (BW-H & I, HCEX-D)
A8	70MM MAG (3) IN BAG	AFT ENG COVER (BW- L,K,M J, K, M)
R13	70MM MAG (3) IN BAG	FWD RHSSC (BW-G, HCEX-B&C)
R13	16MM MAG (6) W/BAG INCL PASSIVE DOS(0101)	RHSSC (P,Q,R,S,T & U)
R13	16MM MAG (2) IN BAG	1-W/BAG PKT (O) 1-WINDOW SEQ CAMR (N)
R3	LM ACTIVATION C/L (2)	DATA FILE

DIRECT O₂ VLV - OPEN
UNTIL CABIN PRESS
=5.7 PSIA, then CLOSE
V49 MNVR TO LM
CHECK OUT ATT (32:45)
(337,087,000)
HGA P -30, Y 270

COUCHES: CDR - 0°, CMP - 0°, LMP - 180°
TUNNEL LIGHTS - ON
CM/LM PRESSURE EQUALIZATION (DECAL)
TUNNEL HATCH REMOVAL (DECAL)
PROBE REMOVAL (DECAL)
DROGUE REMOVAL (DECAL)
O₂ HEATERS 1,2 - OFF
O₂ HEATERS 3 - AUTO

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE X8 (4/16)	3/27/72 4/7/72	32:00 - 33:00	2/TLC	3-35

FLIGHT PLANNING BRANCH

FLIGHT PLAN

CSM

LM

MCC-H

2054 CST

CMP
 REPORT: DOCKING
 TUNNEL INDEX ANGLE
 OPEN LM HATCH
 LMP TRANSFER TO LM
 TRANSFER ITEMS PER
 LM ACTIVATION
 CHECKLIST

M S F N	33:00 (21111) (X1111)	CDR	LMP
		LM ACTIVATION CHECKLIST PAGE 1-3	
	:10	IVT TO LM	IVT TO LM ENTRY STATUS CHECK
	:20	HOUSEKEEPING	
	33:30	FABRICATE FLOOD LIGHT SHADES ADD TAPE TO TUNNEL DECALS	
	:40	EVALUATE FLUID BEHAVIOR	
	:50		
	34:00		

UPDATE TO CSM
 LOI -5 HR FLYBY

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	33:00 - 34:00	2/TLC	3-36

FLIGHT PLAN

CSM
CMP

LM

MCC-H

2154 CST

CDR

LMP

34:00
(21111)
(X1111)

HOUSEKEEPING

:10

LM PWR - RESET/OFF
(AT LMP REQUEST)
REPORT: GET(____:____:____)

SYS TEST - 7D
SYS TEST IND = 0 VOLTS

:20

COMM ACTIVATION

CSM/LM VHF VOICE CHECK
(SIMPLEX A&B)

M
S
F
N

34:30

S-BAND/VHF SIMPLEX VOICE TEST

:40

OPS CHECKOUT

LM PWR - ON
(AT LMP REQUEST)
REPORT: GET(____:____:____)
SYS TEST - 7D
SYS TEST IND = 0.5-3.2
VOLTS

:50

COMM DEACTIVATION

LMP & CDR IVT TO CSM PAGE 1-21

35:00

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	34:00 - 35:00	2/TLC	3-37

MCC.H

2254 CST

FLIGHT PLAN

NOTES

35:00
 (21111)
 (X1111)

:10

:20

35:30

:40
 (21101)
 (X1111)

:50

36:00

M
S
F
N

CLOSE LM HATCH
 INSTALL DROGUE (DECAL)
 INSTALL PROBE (DECAL)
 HATCH INSTALLATION (DECAL)
 LM TUNNEL VENT VALVE - LM/CM ΔP
 TUNNEL LIGHTS - OFF

CYCLE CMC MODE - FREE/AUTO
 V48 (21101)(X1111)
 OMNI B
 SECURE HGA: MAN, WIDE HGA P -52, Y 270

CSM G&C CHECKLIST

PASSIVE THERMAL CONTROL (G&N) PAGE G/8-2
 V49 MNVR TO PTC ATTITUDE
 (N20,270,000)
 P20 OPT 2 X-AXIS
 N78 (0,0,0)
 N79 (-0.4200, +000.50)
 N34 (0,0,0)

LM TO CM TRANSFER LIST (TLC)		
LM LOCATION	ITEM	CM LOCATION
ON CREW	COMM CARR (2)	ON CREW
ON CREW	CWG ADPTR W/CAP(2)	CCU CABLE
TEMP. STG.	LM ACT C/L (1)	R3
TEMP. STG.	JETTISON BAG	A2
JETT BAG	DRINK BAG (2)	TEMP STOWAGE
JETT BAG	FOOD STICK (1)	TEMP STOWAGE

UPDATE TO CSM
 QUADS TO ENABLE
 FOR PTC SPINUP

DAP LOAD STATUS
 (21101)(X1111)

PTC

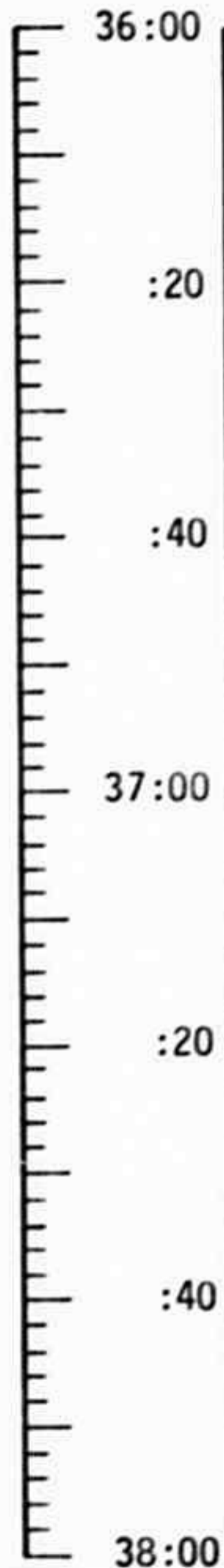
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	35:00 - 36:00	2/TLC	3-38

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

2354 CST



M
S
F
N

EAT PERIOD

LiOH CANISTER CHANGE
(5 INTO A, STOW 3 INTO B5)

CSM SYSTEMS CHECKLIST

PRE-SLEEP CHECKLIST
COMM-OMNI

CMP DON BIOMED HARNESS
CDR DOFF BIOMED HARNESS

PAGE S/1-29
FILM MAGS REQD FOR NEXT DAY:
DAC: CIN-JJ
EL: 2LV-00, CEX-NN
NK: CIN-VV

REST PERIOD
(8 HOURS)

PTC

NOTES

DAP LOAD STATUS
(21101)(X1111)
EARTH DISTANCE
~ 132,500 NM

ONBOARD READOUT

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

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16) <i>chg. 8.</i>	3/6/72 4/7/72	36:00 - 38:00	2/TLC	3-39

FLIGHT PLANNING BRANCH

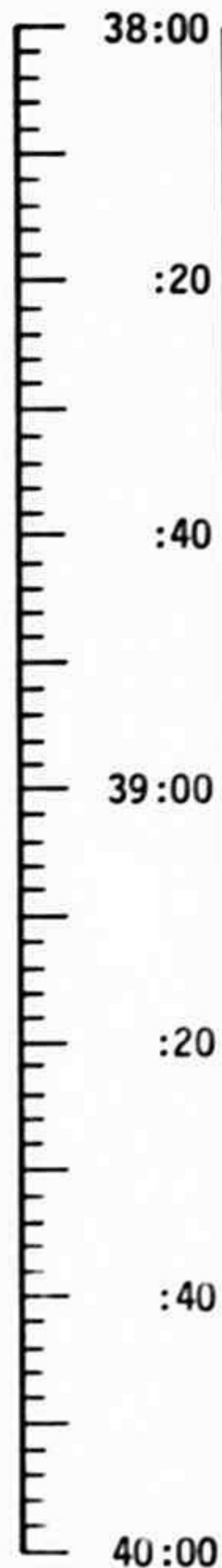
MCC-H

0154 CST

FLIGHT PLAN

NOTES

DAP LOAD STATUS
(21101)(X1111)



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	38:00 - 40:00	2/TLC	3-40

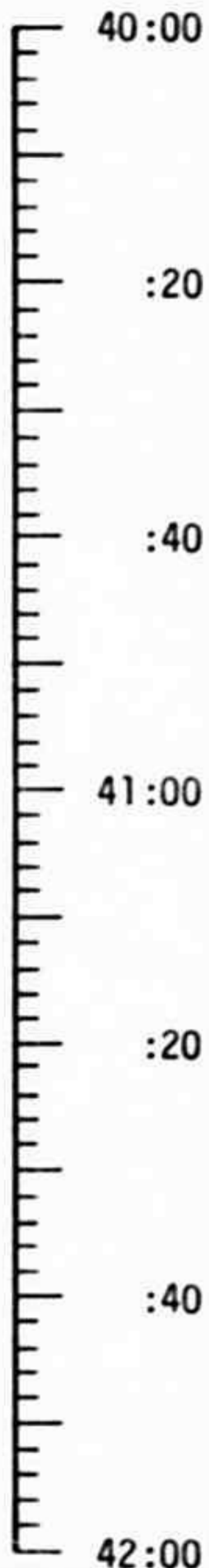
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0354 CST

NOTES



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

DAP LOAD STATUS
(21101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	40:00 - 42:00	2/TLC	3-41

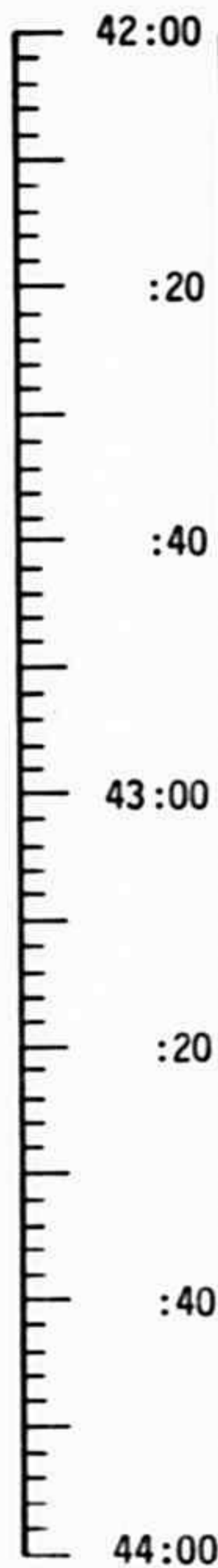
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0554 CST

NOTES



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

DAP LOAD STATUS
(21101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	42:00 - 44:00	2/TLC	3-42

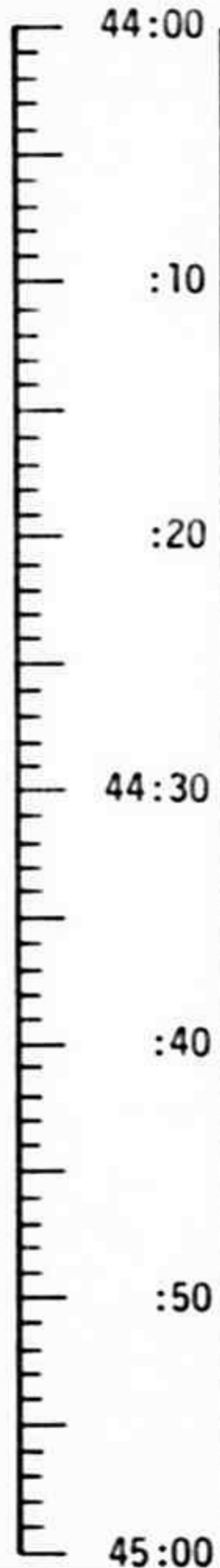
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0754 CST

NOTES



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

DAP LOAD STATUS
(21101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	44:00 - 45:00	2-3/TLC	3-43

FLIGHT PLANNING BRANCH