

FLIGHT PLAN

MCC-H

0754 CST

NOTES

UPDATE TO CSM
CONSUMABLES STATUS
FLIGHT PLAN
SIM EXP STATUS
DSE VOICE STATUS

236:00
:10
:20
236:30
:40
:50
237:00

M
S
F
N

CSM SYSTEMS CHECKLIST

POST-SLEEP CHECKLIST PAGE S/1-29
LOGIC PWR (2) - DPLY/RETR
GR - RETR

CSM G&C CHECKLIST

EXIT G&N PTC USING SIM BAY JET CONFIGURATION
PAGE G/8-3

V49 MNVR TO THERMAL ATTITUDE (237:00)
(145,213,340) HGA P -15, Y 50 REACQ, NARROW

EAT PERIOD

GR: SHIELD - OFF

PTC

SIM EXP STATUS
(*0110)
(01224)

DAP LOAD STATUS
(11101)(X1111)

EARTH DISTANCE
~ 187,800 NM

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	236:00 - 237:00	10-11/TEC	3-344

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0854 CST

NOTES

UPDATE TO CSM
GR BOOM DPLY
TIME (2 FEET)

237:00
(11101)
(X1111)

SIM EXP STATUS
(*0010)
(01124)

UPDATE TO CSM
GO/NO-GO FOR MCC-5

:10

GR: DPLY 2 FEET (21 SEC)



EAT PERIOD

:20

GR: SHIELD - ON (CTR)

237:30

P52 (OPTION 3)
(PTC ORIENT)

M
S
F
N

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

:40

REPORT: GYRO TORQUING ANGLES
GDC ALIGN

(11101)
(X1111)

CSM EXP/EVA CHECKLIST

:50

CORONA WINDOW CALIBRATION, PAGE X/2-13
V49 MNVR TO CORONA WINDOW CAL ATT (238:03)
(089,359,004) HGA P -57, Y 191
MAG (TT)

CAN DO MNVR EARLIER

238:00

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	237:00 - 238:00	11/TEC	3-345

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0954 CST

NOTES

UPLINK TO CSM
CSM S.V. & V66
MCC-5 TGT LOAD
(IF REQUIRED)
UPDATE TO CSM
MCC-5 MNVR PAD
(IF REQUIRED)

238:00
(11101)
(X1111)
:10
:20
238:30
:40
:50
239:00

M
S
F
N

V49 MNVR TO SKYLAB CONTAMINATION PHOTO ATT (238:18)
(043,229,004) HGA P -66, Y 296
MAG (X)
SKYLAB CONTAMINATION SEQ A, PAGE X/2-28

CONFIGURE FOR URINE DUMP
VERIFY REPRESS PKG O₂ PRESSURE-865-~~605~~⁹³⁵ PSI
MS: ION SOURCE - OFF
EXP - STBY
CAUTION: WAIT 5 MIN BEFORE RETRACTING BOOM
GR - RETR
MS - RETR
*P30 EXTERNAL ΔV
*V49 MNVR TO PAD BURN ATTITUDE

LiOH CANISTER CHANGE
(20 INTO A, STOW 18 IN A4)

*SXT STAR CHECK

SIM EXP STATUS
(*0210)
(01224)

*PERFORM IF MCC-5
IS REQUIRED

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE <i>A</i> (4/16)	3/27/72 4/7/72	238:00 - 239:00	11/TEC	3-346

FLIGHT PLANNING BRANCH

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APOLLO 16

FINAL (4/16)

3/6/72

3-347

FLIGHT PLAN

MCC-5
BURN TABLE

MANEUVER	P OR Y RATES	ATT DEVIATION	SHUTDOWN TIME	RESIDUALS
CORRIDOR CONTROL	10°/SEC COMPLETE	+10° COMPLETE	BT + 1 SEC AND $V_c = 0$	TRIM X AXIS ONLY TO 0.2 FPS
IP CONTROL	10°/SEC TERMINATE	+10° TERMINATE	BT + 1 SEC AND $V_c = 0$	TRIM X & Z AXIS TO 0.2 FPS

FLIGHT PLAN

MCC-H

1054 CST

NOTES

SIM EXP STATUS
(*0000)
(01214)

*PERFORM IF MCC-5
IS REQUIRED

239:00
(11101)
(X1111)
:10
:20
239:30
:40
:50
240:00

M
S
F
N

O₂ FUEL CELL PURGE
WASTE WATER DUMP
URINE DUMP

PRE-SPS BURN SIM PREP (CUE CARD) EXCEPT PC REMAINS OFF
ENABLE ALL JETS
*P40 SPS THRUSTING OR
*P41 RCS THRUSTING

**SET UP TAPE FOR RCS SOUNDS DURING MCC - IF
NO MCC-5 TRY 270:00 DURING CONTAMINATION FIRING**

TIG:	239:21
BT:	NOM ZERO
ΔVT:	NOM ZERO
ULLAGE:	NOM ZERO

MCC-5

*V66 SET CSM S.V. INTO LM S.V.
*REPORT: BURN STATUS

MC - OFF
V49 MNVR TO THERMAL ATTITUDE (239:40)
(145,213,340) HGA P -15, Y 50 REACQ, NARROW

CHARGE BATTERY B

CSM EXP/EVA CHECKLIST

CM EVA PREP PAGE X/3-1
CABIN PREP FOR EVA

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

TEI +17 HR

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	239:00 - 240:00	11/TEC	3-349

FLIGHT PLAN

MCC-H

1154 CST

NOTES



M
S
F
N

TV AND DAC PREP
MAG (FF)

EVA EQUIPMENT PREP

PGA DONNING
CMP & LMP DON BIOMED HARNESSSES

SIM EXP STATUS
(*0000)
(00000)
EARTH DISTANCE
~ 181,400

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	240:00 - 241:00	11/TEC	3-350

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1254 CST

NOTES

MSFN CMDS:
DATA SYS-OFF

UPDATE TO CSM
GO/NO-GO FOR
CABIN DEPRESS

241:00
(11101)
(X1111)
:10
(10101)
(10011)
:20
241:30
:40
:50
242:00

M
S
F
N

T
V

V49 MNVR TO EVA ATT (241:15)
(039,043,038) HGA P -1, Y 221

PRESS GAGE STATIC CHECK

COMM CHECK

S-BAND AUX TV - TV

V48 (10101)(10011)

LOAD MEED ATT (072,051,037) IN N22

SYSTEMS PREP FOR DEPRESS

INHIBIT ALL JETS EXCEPT:

C1, C2, C3, C4, D3, & D4 AT CONCLUSION OF MNVR
O₂ HEATERS 1, 2 & 3 (3) - AUTO

CMP EVA EQUIP DONNING

OPS DONNING

CDR/LMP INTEGRITY CHECK

CMP HELMET/GLOVE DONNING

EVA WARNING TONE CHECK

CMP INTEGRITY CHECK

CABIN DEPRESS

GO/NO-GO FOR CABIN DEPRESS

HATCH OPENING

SIM EXP STATUS
(*0000)
(00000)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	241:00 - 242:00	11/TEC	3-351

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1354 CST

NOTES

242:00
 (10101)
 (10011)
 :10
 :20
 242:30
 :40
 :50
 243:00

M
S
T
F
V
N

EVA OPERATIONS

CMP EGRESS

INSTALL TV/DAC, ADJUST

RETRIEVE PAN CAMERA CASSETTE

REST
 RETRIEVE MAPPING CAMERA CASSETTE

REST
 REMOVE TV/DAC & INGRESS
 V49 MNVR TO MEED ATT (242:44)
 (072,051,037) HGA P -24, Y 220
 DEPLOY MEED ON POLE
 ACTIVATE EXP, GIVE MARK

DEACTIVATE EXP, GIVE MARK

REMOVE MEED AND POLE

SIM EXP STATUS
 (*0000)
 (00000)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	242:00 - 243:00	11/TEC	3-352

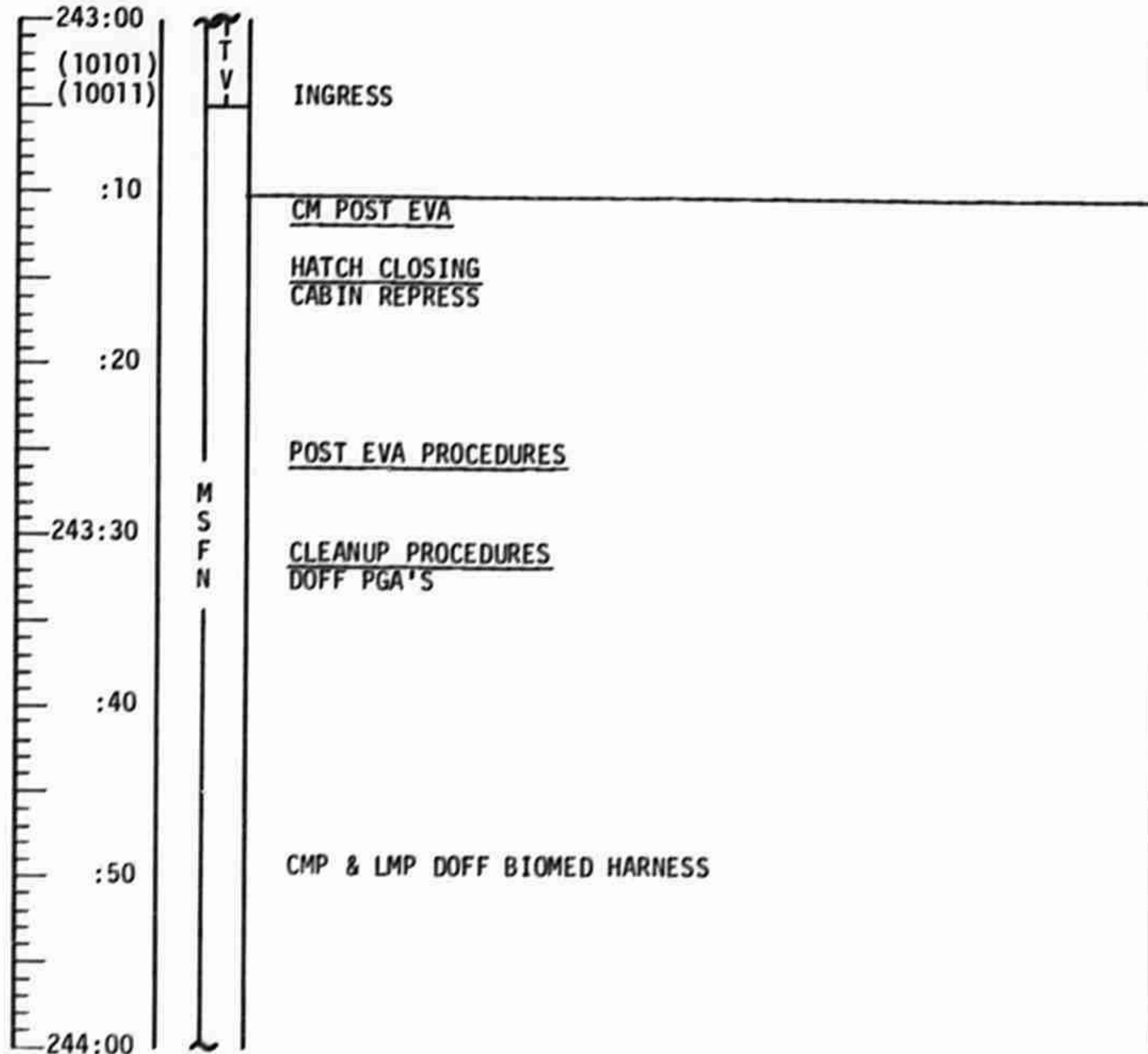
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1454 CST

NOTES



SIM EXP STATUS
(*0000)
(00000)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	243:00 - 244:00	11/TEC	3-353

FLIGHT PLANNING BRANCH

MCC-H

1554 CST

FLIGHT PLAN

NOTES

244:00
 (10101)
 (10011)
 (11101)
 (X1111)
 :10

 :20

 244:30

 :40

 :50

 245:00

M
S
F
N

ENABLE ALL JETS
 V48 (11101)(X1111)
 V49 MNVR TO THERMAL ATT (244:22)
 (175,283,340) OMNI D
 STOW EQUIPMENT

SIM EXP STATUS
 (*0000)
 (00000)

MSFN CMDS:
DATA SYS-ON

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	244:00 - 245:00	11/TEC	3-354

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1654 CST

NOTES



MSFN

O₂ HEATERS 3 - OFF
 SIM BASIC CONFIG (CUE CARD)
 EXCEPT: MC - OFF
 PC - OFF
 SELF TEST - OFF
 SM/AC PWR - OFF

XR - ON
 GR: SHIELD - ON (VERIFY)
 MS - DPLY
 MS: EXP - ON
 ION SOURCE - STBY

V49 MNVR TO X-RAY POINTING/THERMAL (CYG X-1) ATT (245:35)
 (278,295,310) OMNI XC

AP/XR COVER - OPEN

CSM EXP/EVA CHECKLIST

GAS/WATER SEPARATOR, PAGE X/2-42

EAT PERIOD

CYG
X-1

SIM EXP STATUS
 (*0000)
 (00000)
 EARTH DISTANCE
 ~ 168,274 NM

MSFN CMD:
 DSE RECORD HBR

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE # ^B (4/16)	3/27/72 4/17/72	245:00 - 246:00	11/TEC	3-355

FLIGHT PLANNING BRANCH

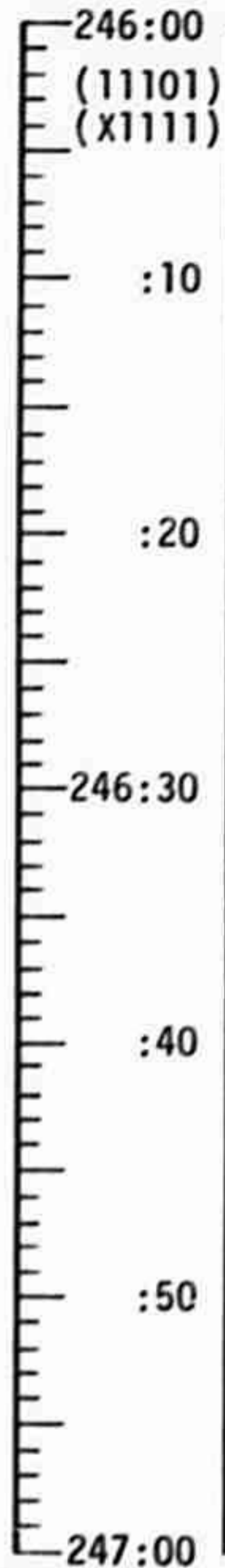
MCC-H

1754 CST

FLIGHT PLAN

NOTES

UPDATE TO CSM
GR BOOM DPLY
TIME (4 FEET)



M
S
F
N

MS: ION SOURCE - ON

GR - DPLY TO 4 FEET (33 SEC)

EAT PERIOD

V49 MNVR TO X-RAY POINTING (CYG X-1) ATT (246:45)
(175,133,032) HGA P -22, Y 98

SIM EXP STATUS
(*0011)
(00232)

CYG
X-1

CYG
X-1

MSFN CMDS:
DSE STOP/REWIND

MSFN CMDS:
DSE DUMP

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	246:00 - 247:00	11/TEC	3-356

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

1854 CST

NOTES



M
S
F
N

CYG
X-1

SIM EXP STATUS
 (*0211)
 (00222)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	247:00 - 248:00	11/TEC	3-357

FLIGHT PLANNING BRANCH

MCC-H

1954 CST

FLIGHT PLAN

NOTES

248:00
 (11101)
 (X1111)

:10

:20

248:30

:40

:50

249:00

M
S
F
N

CYG
X-1

SIM EXP STATUS
 (*0211)
 (00222)

V49 MNVR TO X-RAY POINTING SCO X-1 ATT (249:00)
 (332,280,000) HGA P 0, Y 258

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	248:00 - 249:00	11/TEC	3-358

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

2054 CST

NOTES

UPDATE TO CSM
GR BOOM DPLY
TIME (8 FEET)



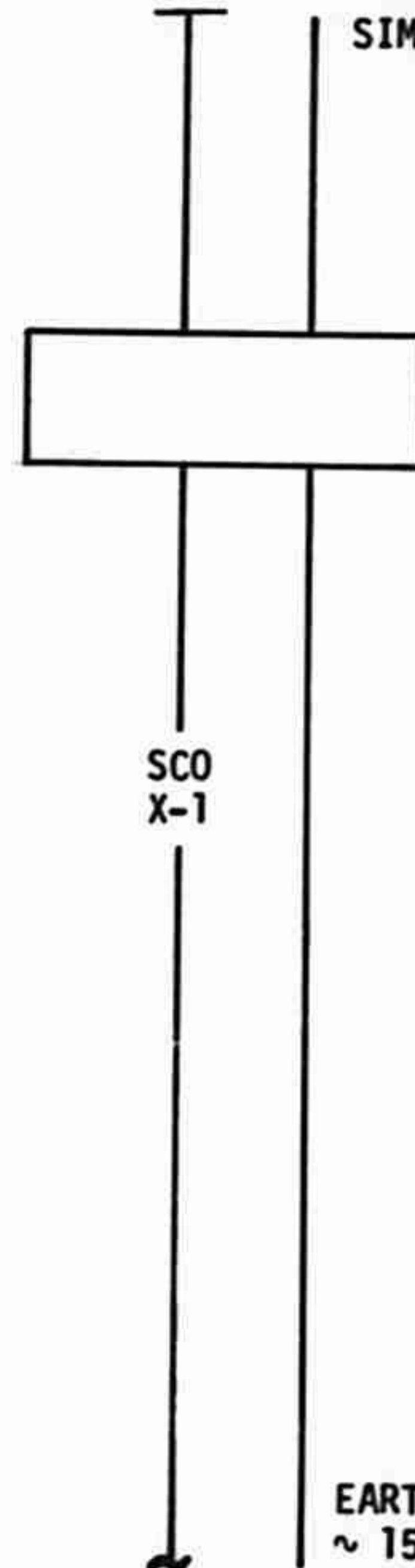
M
S
F
N

GR: SHIELD - OFF

GR - RETR then DPLY TO 8 FEET (57 SEC)

GR: SHIELD - ON (CTR)

SIM EXP STATUS
(*0211)
(00222)



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	249:00 - 250:00	11/TEC	3-359

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

2154 CST

NOTES

250:00
 (11101)
 (X1111)
 :10
 :20
 250:30
 :40
 :50
 251:00

M
S
F
N

P52 (OPTION 3)
 (PTC ORIENT)

REPORT: GYRO TORQUING ANGLES
 GDC ALIGN

CSM SYSTEMS CHECKLIST

CONTAMINATION CONTROL

PAGE S/1-19

EAT PERIOD

SIM EXP STATUS
 (*0211)
 (00222)

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

SCO
 X-1

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	250:00 - 251:00	11/TEC	3-360

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

2254 CST

NOTES



M
S
F
N

EAT PERIOD

SCO
X-1

SIM EXP STATUS
(*0211)
(00222)

XR - STBY
AP/XR COVER - CLOSE

CSM G&C CHECKLIST

PASSIVE THERMAL CONTROL (G&N) PAGE G/8-2)

COMM: HGA REACQ MODE P -40, Y 90

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)

GR RETR then DPLY TO 6 FEET (45 SEC)

GR: GAINSTEP - ON (UP) 4 STEPS (STEP 7)/SHIELD-ON (CTR)

QUAD D, A3, AND
C4 WILL BE USED
FOR PTC RATE
DAMPING, B2 & D2
FOR PTC SPINUP

PTC

DAP LOAD STATUS
(11101)(X1111)

CDR DOFF BIOMED HARNESS
LMP DON BIOMED HARNESS
LiOH CANISTER CHANGE
(21 INTO B, STOW 19 INTO A4)

EARTH DISTANCE
~ 151,800 NM

UPDATE TO CSM
GR BOOM DPLY
TIME (6 FEET)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	251:00 - 252:00	11/TEC	3-361

FLIGHT PLANNING BRANCH

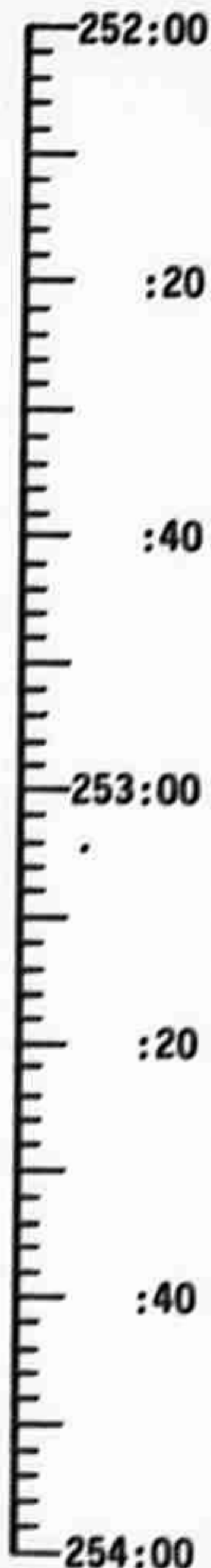
MCC-H

2354 CST

FLIGHT PLAN

NOTES

UPLINK TO CSM
CSM S.V. & V66



M
S
F
N

CSM SYSTEMS CHECKLIST

PRE-SLEEP CHECKLIST PAGE 5/1-29

COMM - HGA

LOGIC PWR (2) - OFF

FILM MAGS REQD FOR NEXT DAY:

DAC: VHBW - HH & MM

EL: VHBW - TT

NK: VHBW - X

REST PERIOD
(8 HOURS)

PTC

SIM EXP STATUS
(*0210)
(00224)

DAP LOAD STATUS
(11101)(X1111)

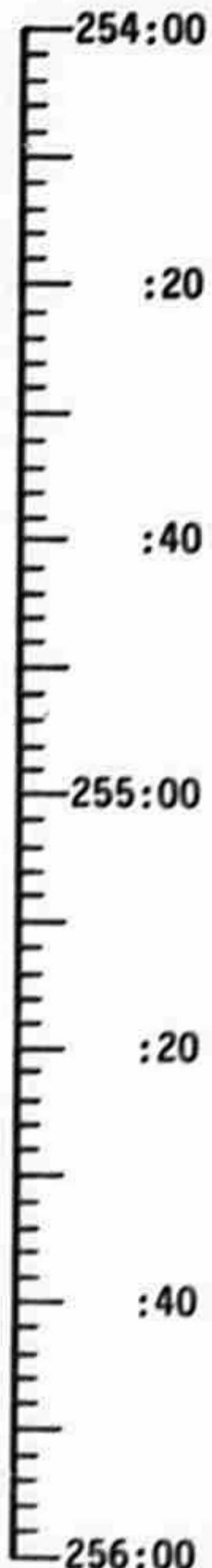
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16) <i>chg B.</i>	3/5/72 4/7/72	252:00 - 254:00	11/TEC	3-362

FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0154 CST



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

NOTES

SIM EXP STATUS
(*0210)
(00224)

DAP LOAD STATUS
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	254:00 - 256:00	11/TEC	3-363

FLIGHT PLANNING BRANCH

MCC-H

0354 CST

FLIGHT PLAN

NOTES



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

SIM EXP STATUS
(*0210)
(00224)

DAP LOAD STATUS
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	256:00 - 258:00	11/TEC	3-364

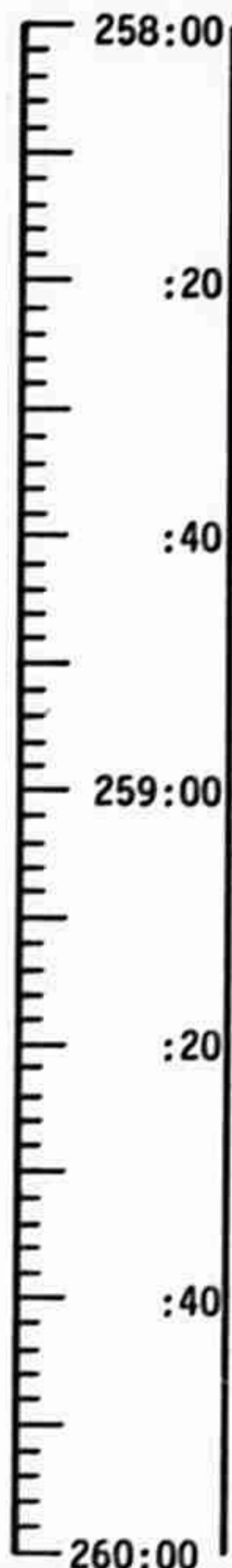
FLIGHT PLANNING BRANCH

FLIGHT PLAN

MCC-H

0554 CST

NOTES



M
S
F
N

REST PERIOD
(8 HOURS)

PTC

SIM EXP STATUS
(*0210)
(00224)

DAP LOAD STATUS
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	258:00 - 260:00	11/TEC	3-365

FLIGHT PLANNING BRANCH

MCC-H

0754 CST

FLIGHT PLAN

NOTES

260:00
:10
:20
260:30
:40
:50
261:00

M
S
F
N

REST PERIOD
(8 HOURS)

PTC

SIM EXP STATUS
(*0210)
(00224)

DAP LOAD STATUS
(11101)(X1111)

UPDATE TO CSM
CONSUMABLES STATUS
FLIGHT PLAN
SIM EXP STATUS
DSE VOICE STATUS

CSM SYSTEMS CHECKLIST

POST - SLEEP CHECKLIST

PAGE S/1-29

CMP DON BIOMED - HARNESS
LMP DOFF BIOMED - HARNESS
GR: SHIELD - OFF

CSM G&C CHECKLIST

EXIT G&N PTC USING SIM BAY JET CONFIGURATION PAGE G/8-3

PASSIVE THERMAL CONTROL (G&N) PAGE G/8-2

COMM: HGA REACQ MODE P -40, Y 90

V49 MNVR TO SUPER GAL AUX PTC ATT

(N20,189,031)

P20 OPT 2, X-AXIS

N78 (0,0,0)

N79 (-0.4200, +000.50)

N34 (0,0,0)

LOGIC PWR (2) - DPLY/RETR

GR: SHIELD - ON (CTR)

QUAD D, A3, AND
C4 WILL BE USED
FOR PTC RATE
DAMPING, B2 & D2
FOR PTC SPINUP

SUPER
GAL
AUX
PTC

ONLY 5 MIN OF RATE
DAMPING REQD

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	260:00 - 261:00	11-12/TEC	3-366

FLIGHT PLANNING BRANCH