

# CSM FLIGHT PLAN

0754 CST

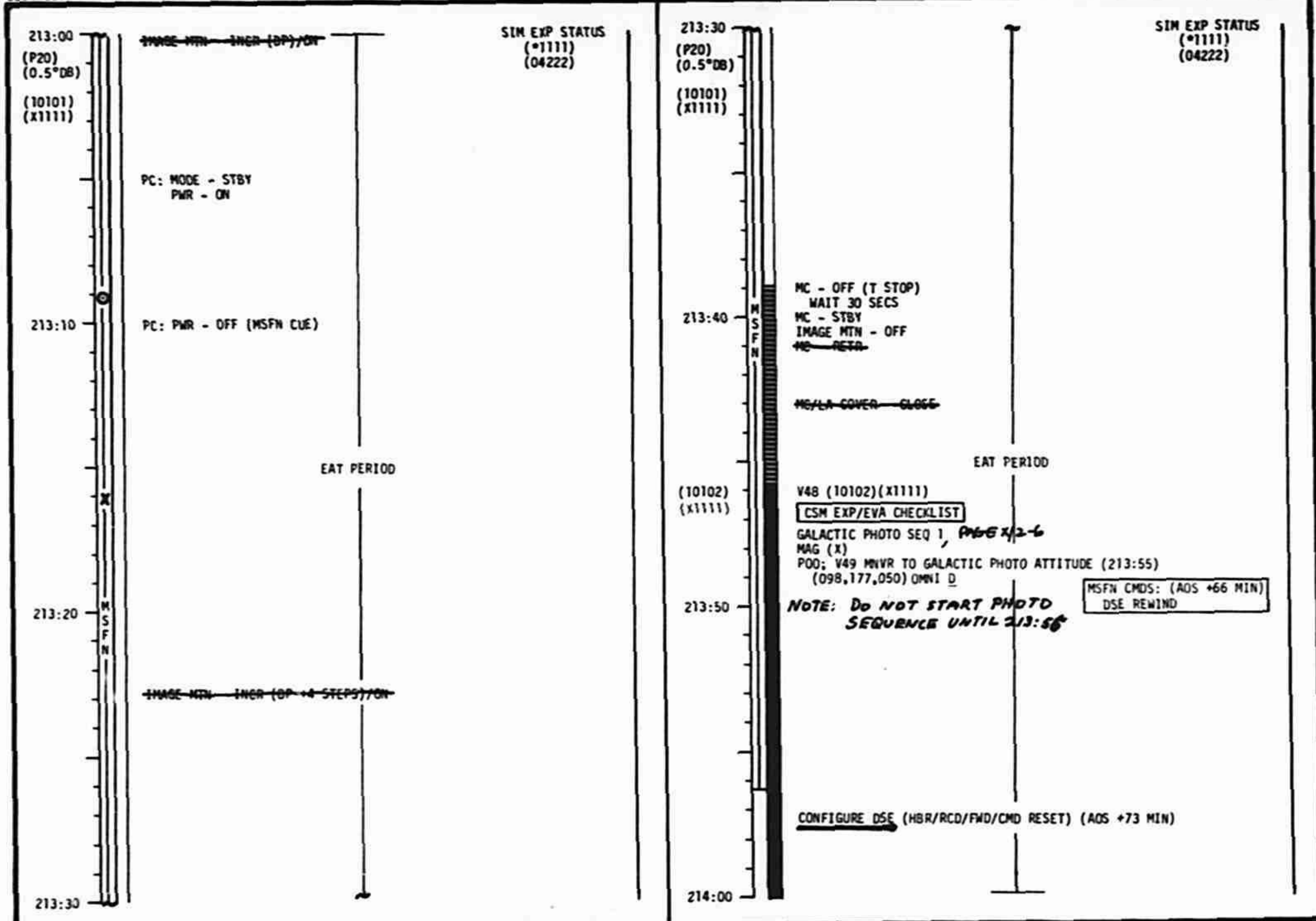
<p>212:00 (P20) (3.0°DB)  (10101) (X1111)</p> <p>212:10</p> <p>212:20</p> <p>212:30</p>	<p>GR: SHIELD - OFF</p> <p style="text-align: right;">SIM EXP STATUS (-0111) (01222)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">P52 IMU REALIGN</p> <p>N71: _____</p> <p>N05: _____</p> <p>N93: _____</p> <p>X _____</p> <p>Y _____</p> <p>Z _____</p> <p>GET _____</p> </div> <p>GR: SHIELD - ON (CTR) CMC MODE - FREE P52 (OPTION 3) (LIFT-OFF ORIENT)</p> <p>GDC ALIGN P20 OPT 5 (40° SOUTH OBLIQUE PHOTO ATT)(212:37) N78 (+270.00)      (+087.75)      (+180.00) N79 (+000.50)      (185,000/052,359) CMC MODE - AUTO SET HGA P 15, Y 340 FOR AOS ACQ</p> <p style="font-size: 1.2em; font-weight: bold;">PLAN THE PHOTO PASS</p> <p>LMP DON BIOMED HARNESS CMP DOFF BIOMED HARNESS</p>	<p>212:30 (P20) (0.5°DB)  (10101) (X1111)</p> <p>212:40</p> <p>212:50</p> <p>213:00</p>	<p style="text-align: right;">SIM EXP STATUS (*0111) (01222)</p> <p>CONFIGURE CAMERA: (ORBITAL SCIENCE) CM1/EL/250/CEX-IVL (f5.6,1/125,-) 45 FR MAG (PP) _____ FR # _____</p> <p>MC/LA COVER - OPEN MC - EXTD</p> <p>MAG (NN) _____ FR # _____ TEMP STOW MAG (NN)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">ORBITAL SCIENCE PHOTOS</p> <p>FLEMING (P9-D4,05) CM1 (f5.6,1/125,-) 45 FR</p> <p>IMAGE MTN - ON <del>MC - ON (T START)</del> CHANGE SHUTTER TO 1/250 IMAGE MTN - INCR (BP)/ON <del>(BP+3 STAB)</del></p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">MAP CAMERA PHOTO PAD</p> <p>T-START: _____</p> <p>T-STOP: _____</p> <p style="text-align: center;">(126.7°E TO 55.8°W)</p> </div> <p>ACQ MSFN HGA: MAN, WIDE P 15, Y 340 S-BD ANT IND &gt; 1/2 SCALE HGA: REACQ, NARROW</p> <p>RECORD FR # _____ CHANGE TO MAG (NN)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>MSFN CMDS: (~ AOS +4 MIN) DSE (STOP/REWIND) CUE: HGA AUTO</p> </div> <p><del>IMAGE MTN - INCR (BP + 1 STAB) ON</del></p> <p>AL-BIRUNI (P11-D6, D7) CM1 (f5.6, 1/250, -) 33 FR     <b>SWIRLS CRATER, SWIRLS</b></p> <p>RECORD FR # _____</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>MSFN CMDS: (AOS +11 MIN) DSE PLAYBACK</p> </div> <p>REPORT: GYRO TORQUING ANGLES (FROM P52 AT 212:11)</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>MSFN UPDATE: TEI 74 PAD</p> </div>
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REV 71

MISSION	EDITION	DATE	PAGE
APOLLO 16	Clz C. FINAL (4/16)	21672 4/10/72	3-321

# CSM FLIGHT PLAN

0854 CST



MISSION	EDITION	DATE	PAGE
APOLLO 16	ORIGINAL (4/16)	4/16/72	3-322
	CHANGE REC	3/20/72 (P.9)	



# CSM FLIGHT PLAN

214:00  
(10102)  
(X1111)

GALACTIC PHOTO SEQ 1

SIM EXP STATUS  
~~(01111)~~ (X1111)  
(01222)

214:10

SKYLAB CONTAMINATION ORBIT SEQUENCE, PAGE X/2-26  
MAG (X)  
V49 MNVR TO SKYLAB CONTAMINATION PHOTO ATT **214:24**  
(302,071,310) **MNVR TIME ~ 5 MIN 45 SEC**

**STUDY THE PHOTO TRG & CONFIGURE THE EL  
LOAD N78 ~~OR~~ FOR MNVR AT 214:40**  
NOTE: DO NOT START PHOTO SEQUENCE  
UNTIL 214:29

214:20  
REV 72

SKYLAB CONTAMINATION ORBIT SEQUENCE

214:30

214:30  
(10102)  
(X1111)

SIM EXP STATUS  
~~(01111)~~ (X1111)  
(01222)

(P20)  
(0.5° DB)

214:40

P20 OPT 5 (10° SOUTH OBLIQUE PHOTO ATT) (214:35) **MNVR TIME  
~ 7 MIN 47 SEC**

N78 (+090.00)  
(+062.25)  
(+180.00)  
N79 (+000.50)  
(154,000/030,358)

ACQ MSFN ~~MAN~~ ~~WIDE~~ ~~210~~ ~~Y-200~~ HGA: P-62, Y 203  
~~6-DB ANT IND - 1/2 SCALE, HGA: REACQ, NARROW~~

CONFIGURE CAMERA: (ORBITAL SCIENCE)  
CMS/EL/250/CEX-IVL ~~(10,1/250,00)~~ **(511,1/250,00) 136 FR**  
MAG (M) \_\_\_\_\_ FR # \_\_\_\_\_

~~ORBITAL SCIENCE PHOTOS~~

~~AL DIRINI (P11 06,07)~~  
~~CHI (10,1/250,00) 33 FR~~ **SWISS CENTER, SWISS**

214:50

MSFN CMDS: (AOS +9 MIN)  
DSE (STOP/REWIND)  
~~CUE: HGA AUTO~~

~~RECORD FR~~  
~~CHANGE TO MAG (RR)~~

MSFN UPDATE:  
MAP CAMERA PHOTO PAD (215:30)  
PAN CAMERA PHOTO PAD (215:35)  
SHAPE MNVR PAD (216:15)

215:00

MSFN CMDS: (AOS +17 MIN)  
DSE PLAYBACK

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE # (4/16)	4/10/72 2127-72 677/72	3-323

# CSM FLIGHT PLAN

215:00  
(P20)  
(0.5°DB)  
(10102)  
(X1111)

MSFN UPLINK:  
SHAPE TGT LOAD  
CSM S.V. & V66

L10H CANISTER CHANGE  
(18 INTO A, STOW 16 IN A3)

SIM EXP STATUS  
~~(#0111)~~ (#1111)  
(01222)

215:10

DESCARTES (P15-D10,D11)  
CMS (f11,1/250,-) 20 FR

VOGEL/LASSELL (P17-D11,D12)  
CMS (f8,1/250,-) 44 FR  
MS: ION SOURCE - OFF  
EXP - STBY  
CAUTION: WAIT 5 MIN BEFORE RETRACTING BOOM  
GR - RETR  
~~MC/LA COVER - OPEN~~

215:20

~~MC - ENFB~~

MS - RETR  
PC: STBY  
STEREO  
PWR  
LA - ON  
BULLIALDUS/GASSENDI (P23-D12,D13)  
CMS (f5.6,1/250,-) 62 FR

IMAGE MTN - ON

CHANGE SHUTTER TO 1/125

215:30

215:30  
(P20)  
(0.5°DB)  
(10102)  
(X1111)

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

SIM EXP STATUS  
(\*1001)  
(13212)

HANSTEEN (P26-D14)  
CMS (f5.6,1/125,-) 10 FR

MAP CAMERA PHOTO PAD  
T-START: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
T-STOP: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
(35.8°W TO 56.8°W)

PAN CAMERA PHOTO PAD  
T-START: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
T-STOP: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_  
(35.8°W TO 55.8°W)

PC - STBY (T STOP)  
MC - OFF (T STOP)  
WAIT 30 SECS  
MC - STBY  
IMAGE MTN - OFF  
LA - OFF  
MC - RETR  
XR - STBY  
PC - OFF (MSFN CUE)  
MC/LA COVER - CLOSE  
AP/XR COVER - CLOSE  
RECORD FR # \_\_\_\_\_

MSFN CMDS:  
DSE REWIND

H<sub>2</sub> PURGE LINE HEATERS - ON  
CONFIGURE FOR URINE DUMP

215:40

215:50

MSFN CMDS:  
DSE RECORD

VERIFY DSE TAPE MOTION (LBR/RCD/FWD/CMO RESET)

216:00

CMC MODE - FREE

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE #4/16	217172-2/10/72	3-324



# CSM FLIGHT PLAN

216:00  
(P20)  
(0.5°08)  
  
(10102)  
(X1111)

P52 (OPTION 3)  
(LIFT-OFF ORIENT)

SIM EXP STATUS  
(\*0000)  
(01214)

P52 IMU REALIGN

N71: \_\_\_\_\_  
 NOS: \_\_\_\_\_  
 N93: \_\_\_\_\_  
 X \_\_\_\_\_  
 Y \_\_\_\_\_  
 Z \_\_\_\_\_  
 GET \_\_\_\_\_

P20; CMC MODE - AUTO  
GDC ALIGN

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

216:10

P30; VERIFY SHAPE BURN TIG  
AND ΔV'S

H<sub>2</sub> PURGE LINE HEATERS - OFF

TERMINATE WASTE WATER DUMP AT 10%

REV 73

216:20

ENABLE ALL JETS  
POQ; V49 MIVR TO SHAPE BURN PAD ATT (216:28)  
SET HGA P -42, Y 24 FOR AOS ACQ

(10102)  
(X1111)

216:30

P30 MANEUVER

SET STARS	S	H	A	P	E	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	GETI
	+	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	(003)
	X	X	X			P	(058)
	X	X	X			Y	(357)
	+					H <sub>A</sub>	N44
						H <sub>P</sub>	
	+					ΔVT	
HORIZON/WINDOW	X	X	X			BT	
	X					ΔVC	
	X	X	X	X		SXTS	
	+				0	SFT	
	+				0	TRN	
	X	X	X			BSS	
	X	X				SPA	
	X	X	X			SXP	

# CSM FLIGHT PLAN

216:30  
(10102)  
(x1111)

PRE-SPS BURN SIM PREP (CUE CARD)

SIM EXP STATUS  
(\*0000)  
(01214)

(P40)  
(0.5°DB)

V45 (RESET LUNAR SURFACE FLAG)

SET DET COUNTING UP TO SHAPE BURN

P40 (TRIM)

216:40

ACQ MSFN HGA: P -42, Y 24  
REPORT: GYRO TORQUING ANGLES  
(FROM P52 AT 216:00)

CSM SHAPE TABLE

P OR Y RATES	ATT DEVIATION	SHUTDOWN TIME	RESIDUALS
10°/SEC TERMINATE	+10° TERMINATE	BT +1 SEC	TRIM X, Y, AND Z TO ±0.2 FPS. IF (-) V <sub>gy</sub> OR (+) V <sub>gz</sub> ROLL AND USE -Z THRUSTERS

MSFN UPDATE:  
GO/NO-GO FOR CSM SHAPE

CSM SHAPE (003,050/058,357)

TIG: 216:49:12  
BT: 02.2 SECS  
ΔVT: 38.0 FPS  
ULLAGE: 2 JET 17 SEC  
ORBIT: 85 x 55 NM

216:50  
(10102)  
(x1111)

P00  
V66 SET CSM S.V. INTO LM S.V.  
REPORT: BURN STATUS

MSFN       :  
DSE DUMP

POST-SPS BURN SIM PREP (CUE CARD)

217:00

BURN STATUS REPORT

X	X								ΔTIG
X	X								BT
									V <sub>gx</sub>
TRIM									
X	X	X							R
X	X	X							P
X	X	X							Y
									V <sub>gx</sub>
									V <sub>gy</sub>
									V <sub>gz</sub>
									ΔV <sub>c</sub>
X									FUEL
X									OX
X									UNBAL

# CSM FLIGHT PLAN

217:00  
(10102)  
(x1111)

MSFN

SIM EXP STATUS  
(\*0000)  
(01214)

MSFN UPDATE:  
SUBSAT LAUNCH PAD (217:38)

MSFN UPLINK:  
LM S.V. (CSM S.V. & SUBSAT LAUNCH ΔV)

*The Subsat State Vector  
is Actually Uplinked*

217:10

X

217:20

217:30

217:30  
(10102)  
(x1111)

MSFN

SIM EXP STATUS  
(\*0000)  
(01214)

SUBSAT LAUNCH PAD

GET:     .     .     .     .     .     .

R ( 088 ) P ( 247 ) Y ( 000 )

CSM EXP/EVA CHECKLIST

V49 MNVR TO SUBSAT LAUNCH PAD ATT (217:47)  
HGA P 15, Y 232  
SUBSAT LAUNCH PROCEDURES, PAGE X/1-8

217:40

217:50

MSFN OMS:  
DSE RECORD

MSFN UPDATE:  
GO/NO-GO FOR SUBSAT LAUNCH

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

218:00

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	3-327



# CSM FLIGHT PLAN

218:00  
(10102)  
(X1111)

SIM EXP STATUS  
(\*0000)  
(01214)

**SUBSAT LAUNCH 218:02:08**  
( $\Delta V_X = +1.04$ ,  $\Delta V_Y = +4.13$ ,  $\Delta V_Z = -0.11$ )

CONFIGURE DSE (LBR/RCD/FWD/CMD RESET)

218:10

(10101)  
(X1111)  
(P20)  
(3.0°DB)

V48 (10101)(X1111)  
P20 OPT 4 (SUBSAT TRACKING) (218:27)  
N78 (+000.00)  
(-035.00)  
(+015.00)  
N79 (+003.00)  
(304,170/253,055)  
SET OMNI JA FOR AOS ACQ

**REV 74**

218:20

218:30

218:30  
(P20)  
(3.0°DB)

SIM EXP STATUS  
(\*0000)  
(01214)

TAKE SXT MARKS - 1/MIN

(10101)  
(X1111)

218:40

ACQ MSFN OMNI JA  
REPORT: SUBSAT LAUNCH

MSFN

218:50

ACQ MSFN HGA: MAN, WIDE P-15, Y 145  
S-80 ANT IND > 1/2 SCALE HGA: REACQ, NARROW

219:00

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE <u>X</u> (4/16)	2107724/7/72	3-328



# CSM FLIGHT PLAN

1454 CST

219:00  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

219:10

219:20

219:30

**MSFN CUE: (NAOS+20MIN)  
HGA AUTO**

**MSFN CMDS:  
DSE DUMPS**

*Photos of Opportunity/TV*

**MSFN UPDATE:  
PRELIM TE1 75 PAD**

SIM EXP STATUS  
(\*0000)  
(01214)

219:30  
(P20)  
(3.0°DB)  
(10101)  
(X1111)

~~**MSFN CMDS:  
DSE DUMP**~~

SIM EXP STATUS  
(\*0000)  
(01214)

(10101)  
(X1111)

**MSFN UPLINK:  
DESIRED ORIENT (TE1)**

CMC MODE - FREE  
POO  
CMC MODE - AUTO  
V49 MNVR TO P52 ATT (220:05)  
(224,096,012)  
SET HGA P 34, Y 284 FOR AOS ACQ

**MSFN CMDS:  
DSE RECORD**

VERIFY DSE TAPE MOTION  
(LBR/RCD/FWD/CMD RESET)

EAT PERIOD

MISSION	EDITION	DATE	PAGE
APOLLO 16	<i>AGB. FINAC</i> (4/16)	3/6/72 4/7/72	3-329

# CSM FLIGHT PLAN

1554 CST

220:00  
(10101)  
(X1111)

220:10

220:20

REV 75

220:30

P52 (OPTION 3)  
(LIFT-OFF ORIENT)

P52 (OPTION 1)  
(TEI ORIENT)

EAT PERIOD

SIM EXP STATUS  
(\*0000)  
(01214)

P52 IMU REALIGN

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

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

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

X \_\_\_\_\_

Y \_\_\_\_\_

Z \_\_\_\_\_

GET \_\_\_\_\_

220:30  
(10101)  
(X1111)

220:40

220:50

221:00

GDC ALIGN

ACQ NSFN HGA: P 34, Y 284

NSFN CMDS:  
DSE DUMP

REPORT: GYRO TORQUING ANGLES  
(FROM P52 AT (220:23))

NSFN UPLINK:  
CSM S.V. & V66  
TEI 75 TGT LOAD

NSFN UPDATE:  
TEI 75 PAD (221:45)  
TEI 76 PAD  
MAP UPDATE REV 76 (222:25)

EAT PERIOD

SIM EXP STATUS  
(\*0000)  
(01214)

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-330



# CSM FLIGHT PLAN

1654 CST

221:00  
(10101)  
(x1111)

SIM EXP STATUS  
(#0000)  
(01214)

M  
S  
F  
N

**CSM SYSTEMS CHECKLIST**

221:10

CONTAMINATION CONTROL S/1-19  
**CREW OPTION**

X

CMWS OPERATIONAL CHECKS S/1-20

CM RCS MONITORING CHECK S/1-1

SM RCS MONITORING CHECK S/1-1

221:20

SPS MONITORING CHECK S/1-1

221:30

MISSION	EDITION	DATE	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	3-331

# CSM FLIGHT PLAN

1724 CST

221:30  
(10101)  
(X1111)

P30; VERIFY TEI TIG AND ΔV'S

SIM EXP STATUS  
(\*0000)  
(01214)

V49 MVR TO TEI PAD BURN ATT (221:45)  
OMNI C

221:40

MSFN

MSFN UPDATE:  
GO/NO-GO FOR TEI

221:50

SIX STAR CHECK

P40 (TRIM)

MSFN CMDS:  
DSE RECORD

(P40)  
(0.5°DB)

VERIFY DSE TAPE MOTION (LBR/RCD/FWD/CMD RESET)

222:00

## P30 MANEUVER

	T	E	I			PURPOSE
	S	P	S	G	& N	PROP/GUID
SET STARS	+					WT N47
R ALIGN		0	0			P TRIM N48
P ALIGN		0	0			Y TRIM
Y ALIGN	+	0	0			HRS GETI
	+	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 (180)
	X	X	X			P (000)
	X	X	X			Y (000)
	+					H <sub>A</sub> N44
						H <sub>P</sub>
	+					ΔVT
HORIZON/WINDOW	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
OTHER		0				LAT N61
						LONG
	+					RTGO EMS
	+					V10
						GET 0.05G





## CSM FLIGHT PLAN

222:30 (P20) (0.5"DB) ACQ MSFN OMNI C  
 (10101) (X1111) INHIBIT ALL JETS EXCEPT: A1&C2 OR B2&D1,A3,C4,B3,D4  
 PCM BIT RATE - HIGH  
 MC/LA COVER OPEN  
 MC - EXT0  
 PC - STBY  
 MODO  
 PWR  
 MC - ON  
 PC - OPR  
 IMAGE MTR - INCR (BP +3 STEPS)/OFF (FOR RATE CONTROL)  
 REPORT: BURD STATUS  
 ACQ MSFN HGA P 45 . Y 320  
 S-BD ANT INO - 172 SCALE, HGA: REACQ, NARROW

MSFN UPLINK:  
 DESIRED ORIENT (PTC)

222:40 (11101) (X1111) V48 (11101)  
 (X1111)

MSFN CMDS:  
 DSE DUMP

GP - DPLY  
 MS - DPLY

MS: EXP - ON  
 ION SOURCE - STBY

222:50

PC - OFF  
 MC - STBY  
 MC - RETR

**USE NOMINAL TURNOFF PROCEDURES** NOTE: PC AND MC FILM SHOULD BE EXPENDED AT THIS TIME. CUE MSFN FOR STOP TIMES.

POO: V49 MNVR TO MOON UV PHOTO/P52 ATT (223:06)  
 (197,173,064) HGA P -82, Y 305

MC/LA COVER - CLOSE

223:00

SIM EXP STATUS  
 (\*0000)  
 (01214)

MISSION	EDITION	DATE	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	3-334

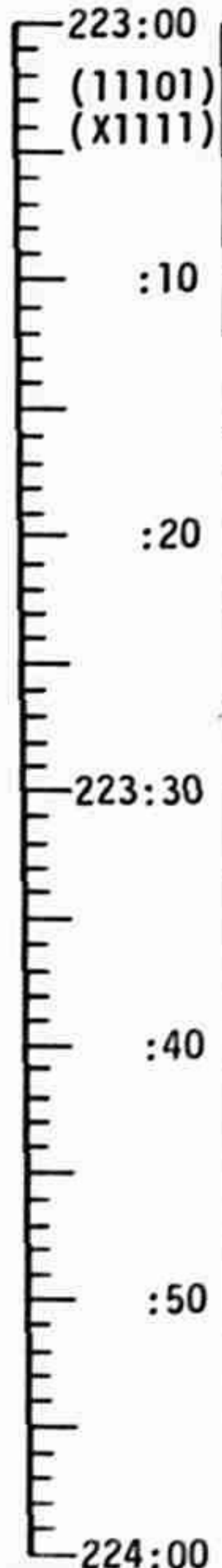


# FLIGHT PLAN

MCC-H

1854 CST

NOTES



M  
S  
F  
N

**CSM EXP/EVA CHECKLIST**

MOON UV PHOTOGRAPHY, PAGE X/2-19  
MAG (OO)  
MAG (RR)

V49 MNVR TO THERMAL ATTITUDE (223:30)  
(214,200,299) HGA P -67, Y 63

MS: ION SOURCE - ON  
XR - ON  
LIMIT CYCLE - ON  
ATT DEADBAND - MIN  
RATE - LOW  
BMAG (3) - ATT 1/RATE 2  
SCS CONT - SCS  
P52 (OPTION 3)  
(TEI ORIENT)

STARS \_\_\_\_\_,  
SA \_\_\_\_\_,  
TA \_\_\_\_\_,

REPORT: GYRO TORQUING ANGLES  
P52 (OPTION 1)  
(PTC ORIENT.)  
GDC ALIGN  
SC CONT - CMC  
BMAG (3) - RATE 2

CDR DON BIOMED HARNESS  
LMP DOFF BIOMED HARNESS

SIM EXP STATUS  
(\*0110)  
(01234)

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

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	223:00 - 224:00	10/TEC	3-335

FLIGHT PLANNING BRANCH

# FLIGHT PLAN

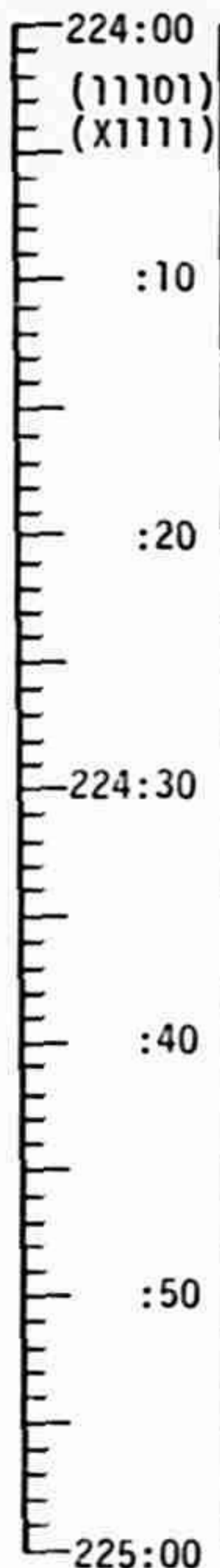
MCC-H

1954 CST

NOTES

UPDATE TO CSM  
MS BOOM RETR  
TIMES (20,15,10 & 5  
FEET)

SIM EXP STATUS  
(\*0111)  
(01222)



M  
S  
F  
N

LiOH CANISTER CHANGE  
(19 INTO B, STOW 17 IN A4)

V49 MNVR TO X-RAY POINTING (SCO X-1) ATT (224:30)  
(332,280,000) HGA P 1, Y 261

AP/XR COVER - OPEN  
MS - RETR TO 20 FEET (38 SEC)



SCO  
X-1

MS - RETR TO 15 FEET (36 SEC)



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	223:00 - 224:00	10/TEC	3-336

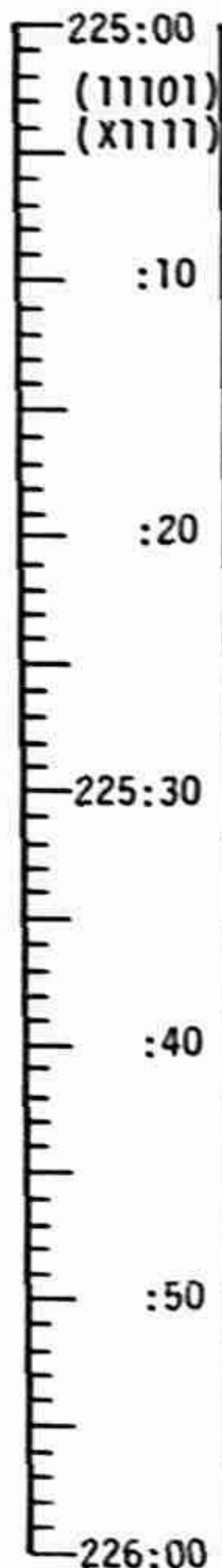
FLIGHT PLANNING BRANCH

# FLIGHT PLAN

MCC-H

2054 CST

NOTES



M  
S  
F  
N

MS - RETR TO 10 FEET (36 SEC)

EAT PERIOD

MS - RETR TO 5 FEET (36 SEC)

SCO  
X-1

SIM EXP STATUS  
 (\*0121)  
 (01222)  
 EARTH DISTANCE  
 ~ 210,100 NM

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	223:00 - 224:00	10/TEC	3-337

FLIGHT PLANNING BRANCH



# FLIGHT PLAN

MCC-H

2154 CST

NOTES

226:00  
(11101)  
(X1111)

:10

:20

226:30

:40

:50

227:00

M  
S  
F  
N

MS - DPLY  
PRE-EVA HOUSEKEEPING

GR: SHIELD - OFF

XR - STBY  
AP/XR COVER - CLOSE

**CSM G&C CHECKLIST**

PASSIVE THERMAL CONTROL (G&N)  
 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)

PAGE G/8-2

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

SCO  
X-1

PTC

SIM EXP STATUS  
(\*0121)  
(01222)

DAP LOAD STATUS  
(11101)(X1111)

UPLINK TO CSM  
CSM S.V. & V66

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	CHANGE A (4/16)	3/27/72	226:00 - 227:00	10/TEC	3-338

FLIGHT PLANNING BRANCH

# FLIGHT PLAN

MCC-H

2254 CST



M  
S  
F  
N

**CSM SYSTEMS CHECKLIST**

PRE-SLEEP CHECKLIST      PAGE S/1-29  
COMM - HGA

GR: SHIELD - ON (CTR)  
LOGIC PWR (2) - OFF

*FILM MAGS REQD FOR NEXT DAY:*

DAC: CEX-FF  
EL: VHBW-TT  
NK: VHBW-X

REST PERIOD  
(8.5 HOURS)

PTC

## NOTES

SIM EXP STATUS  
(\*0110)  
(01124)

DAP LOAD STATUS  
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	4.0 FINAL (4/16)	3/6/72 4/7/72	227:00 - 228:00	10/TEC	3-339

# FLIGHT PLAN

MCC-H

2354 CST

NOTES



M  
S  
F  
N

REST PERIOD  
(8.5 HOURS)

PTC

SIM EXP STATUS  
(\*0110)  
(01224)

DAP LOAD STATUS  
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	228:00 - 230:00	10/TEC	3-340

FLIGHT PLANNING BRANCH



# FLIGHT PLAN

MCC-H

0154 CST

NOTES



M  
S  
F  
N

REST PERIOD  
(8.5 HOURS)

PTC

SIM EXP STATUS  
(\*0110)  
(01224)

DAP LOAD STATUS  
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	230:00 - 232:00	10/TEC	3-341

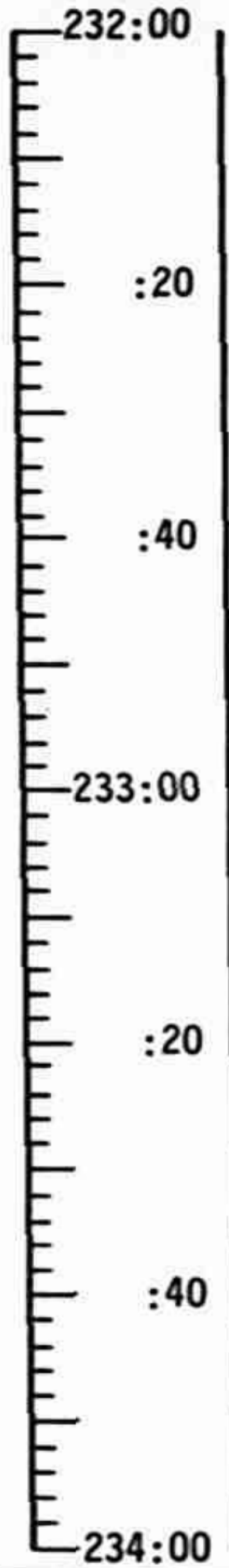
FLIGHT PLANNING BRANCH

# FLIGHT PLAN

MCC-H

0354 CST

NOTES



M  
S  
F  
N

REST PERIOD  
(8.5 HOURS)

PTC

SIM EXP STATUS  
(\*0110)  
(01224)  
  
DAP LOAD STATUS  
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	232:00 - 234:00	10/TEC	3-342

FLIGHT PLANNING BRANCH

# FLIGHT PLAN

MCC-H

0554 CST

## NOTES



M  
S  
F  
N

REST PERIOD  
(8.5 HOURS)

PTC

SIM EXP STATUS  
(\*0110)  
(01224)

DAP LOAD STATUS  
(11101)(X1111)

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 16	FINAL (4/16)	3/6/72	234:00 - 236:00	10/TEC	3-343

FLIGHT PLANNING BRANCH