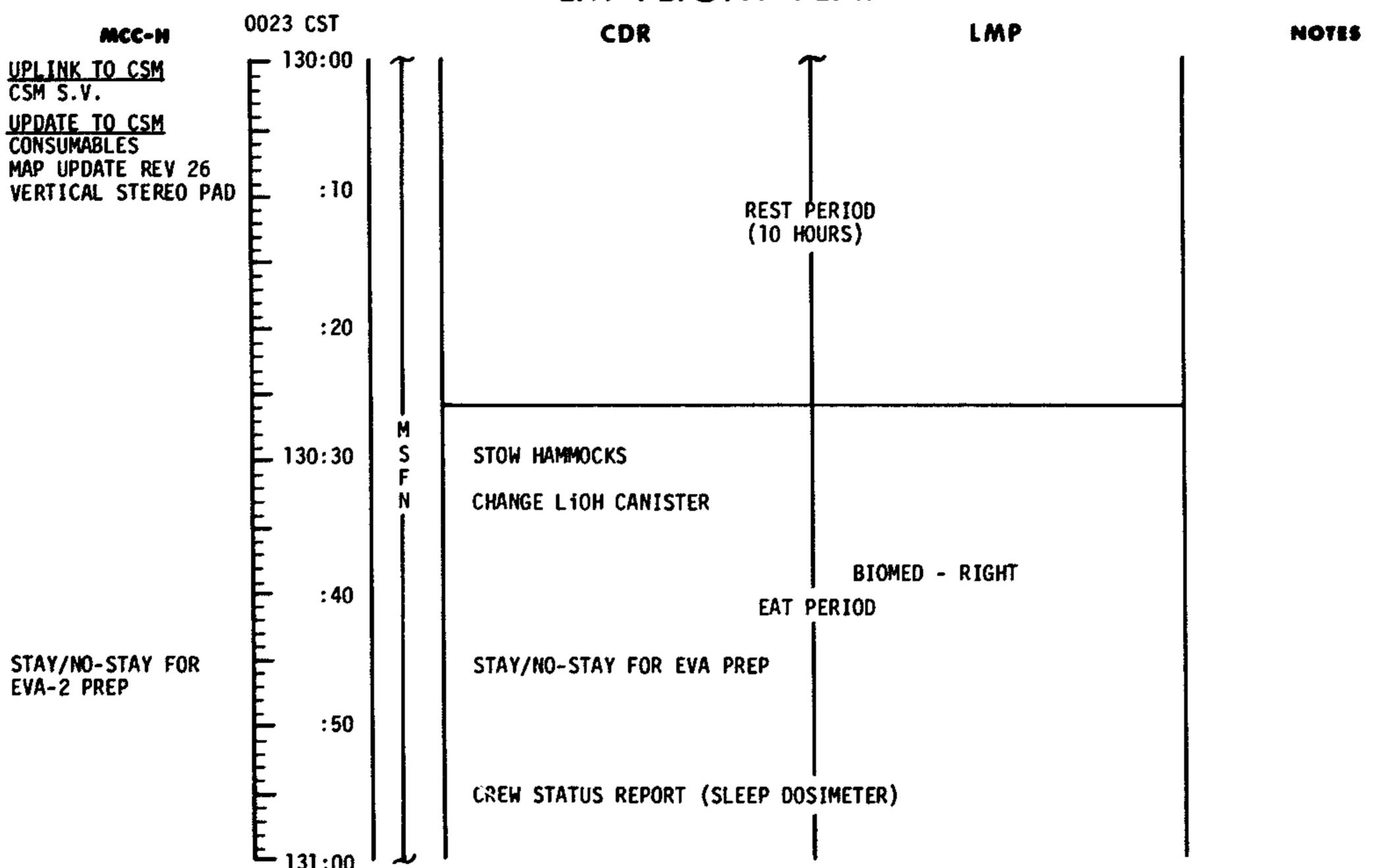
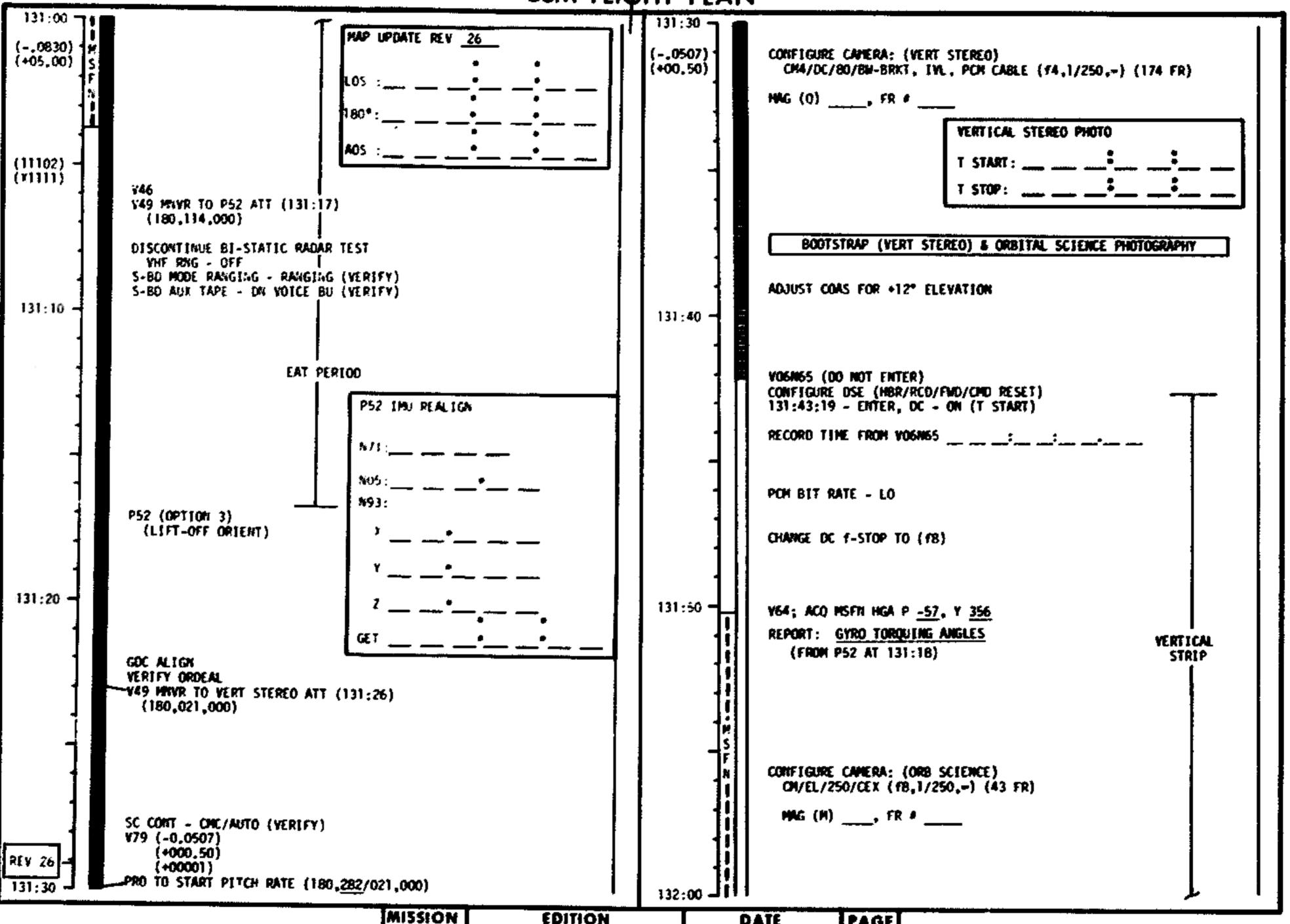


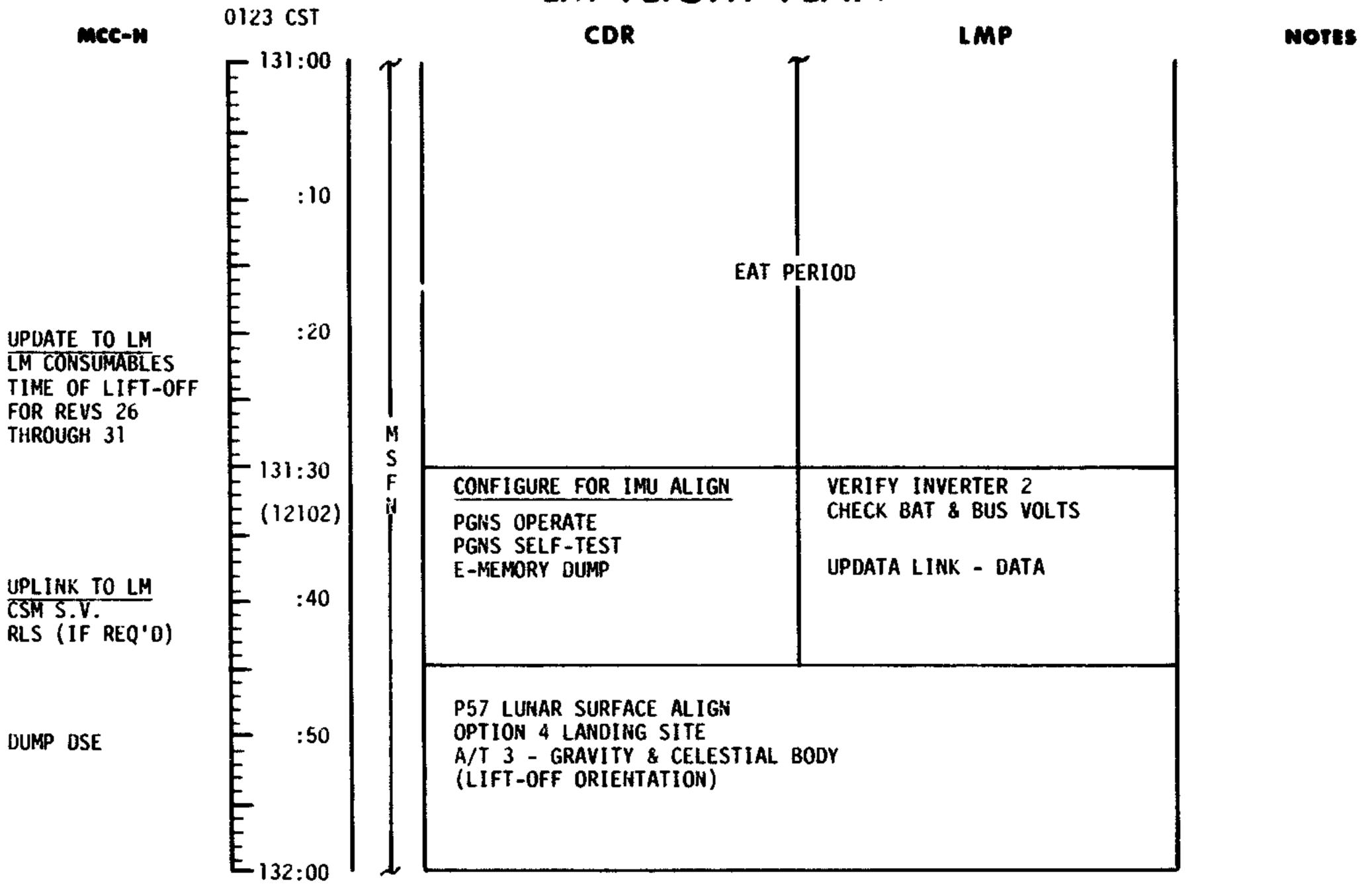
MISSION EDITION DATE PAGE APOLLO 14 CHANGE A (JAN) DECEMBER 23, 1970 3-174



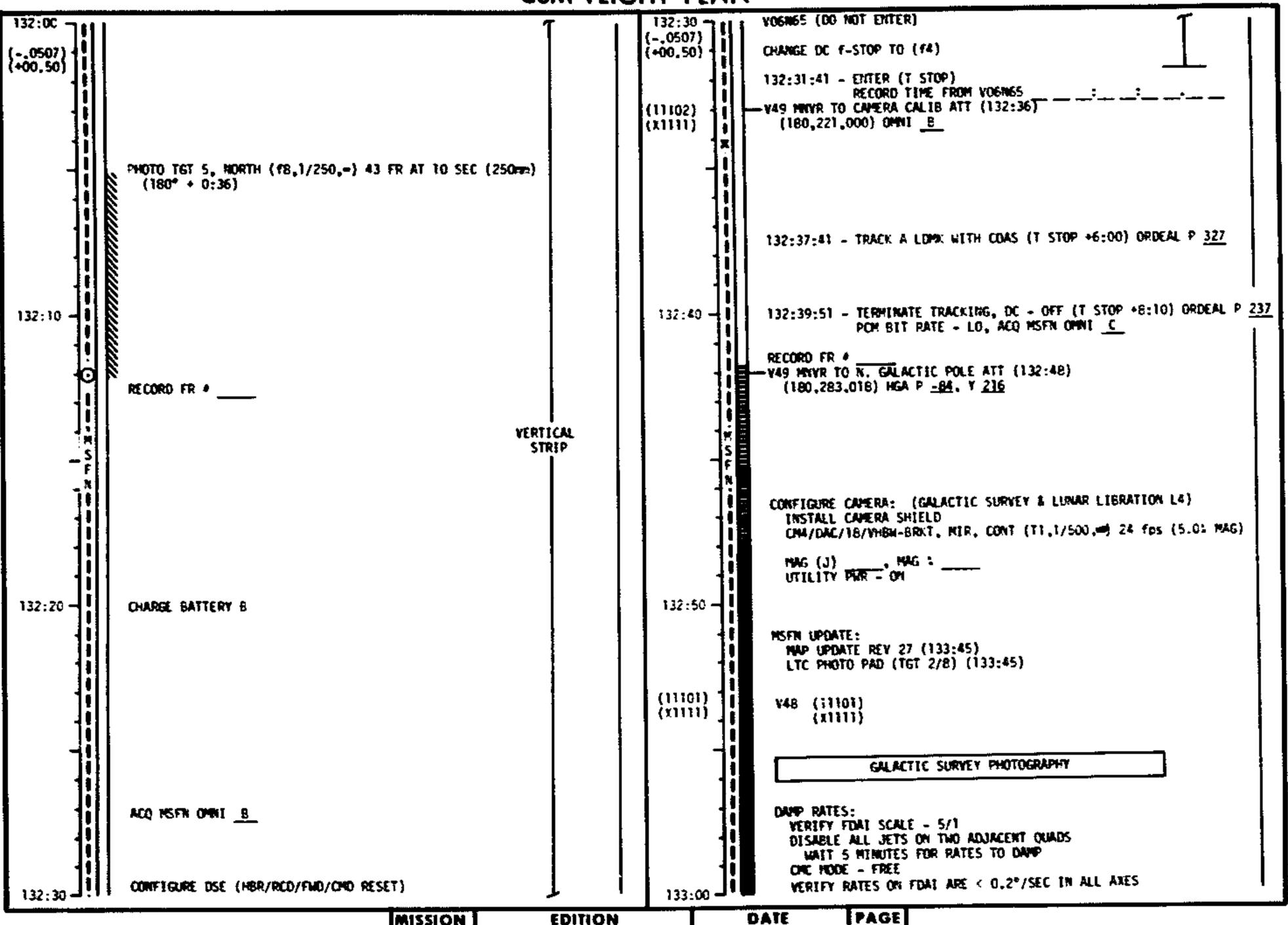
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	130:00 - 131:00	6/25	3-175



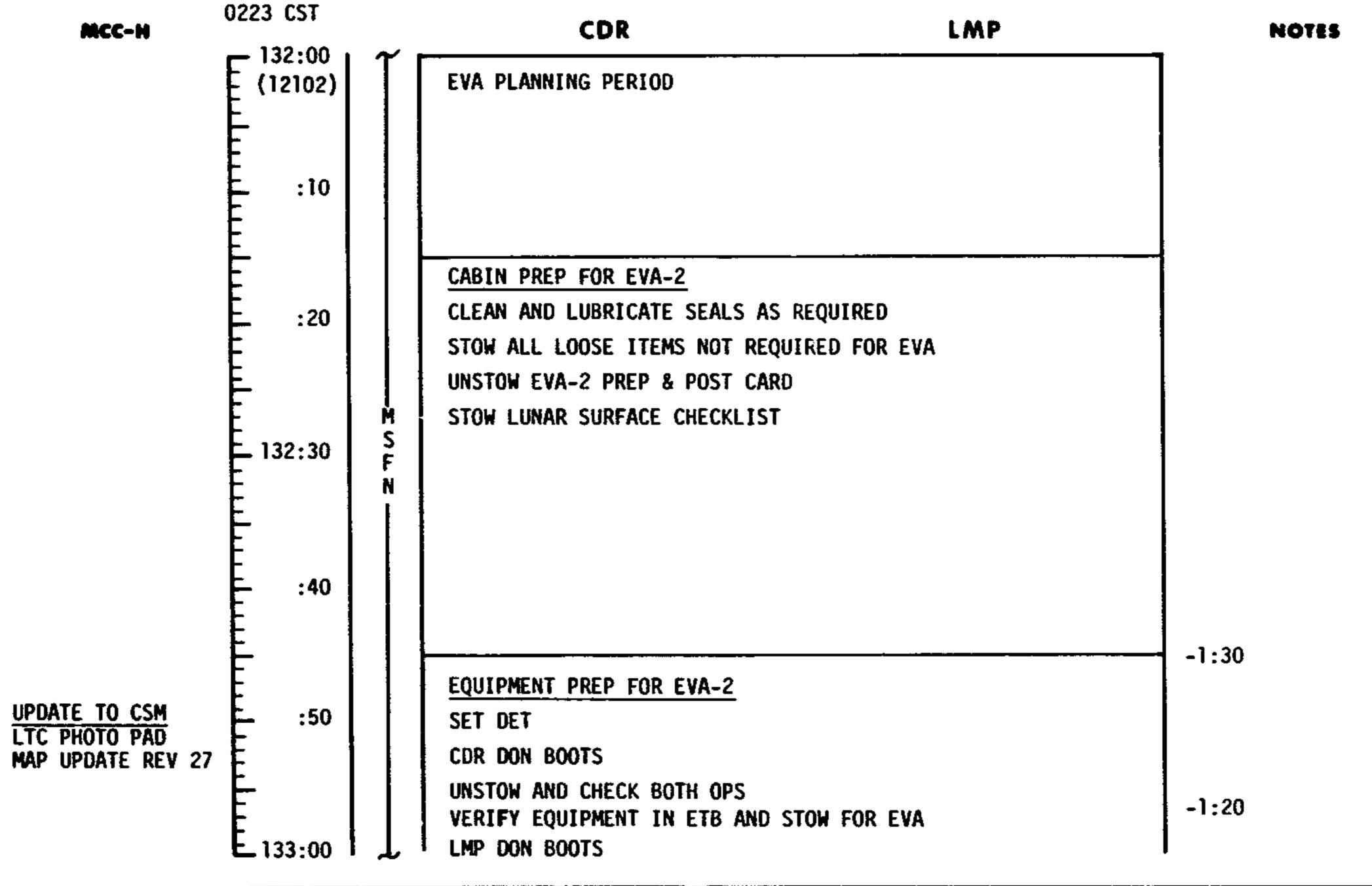
MISSION	EDITION	DATE	PAGE
APOLLO 14	CHANGE A (JAH)	DECEMBER 23, 1970	3-176



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	131:00 - 132:00	6/25-26	3-177



MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-178
	· · · · · · · · · · · · · · · · · · ·		

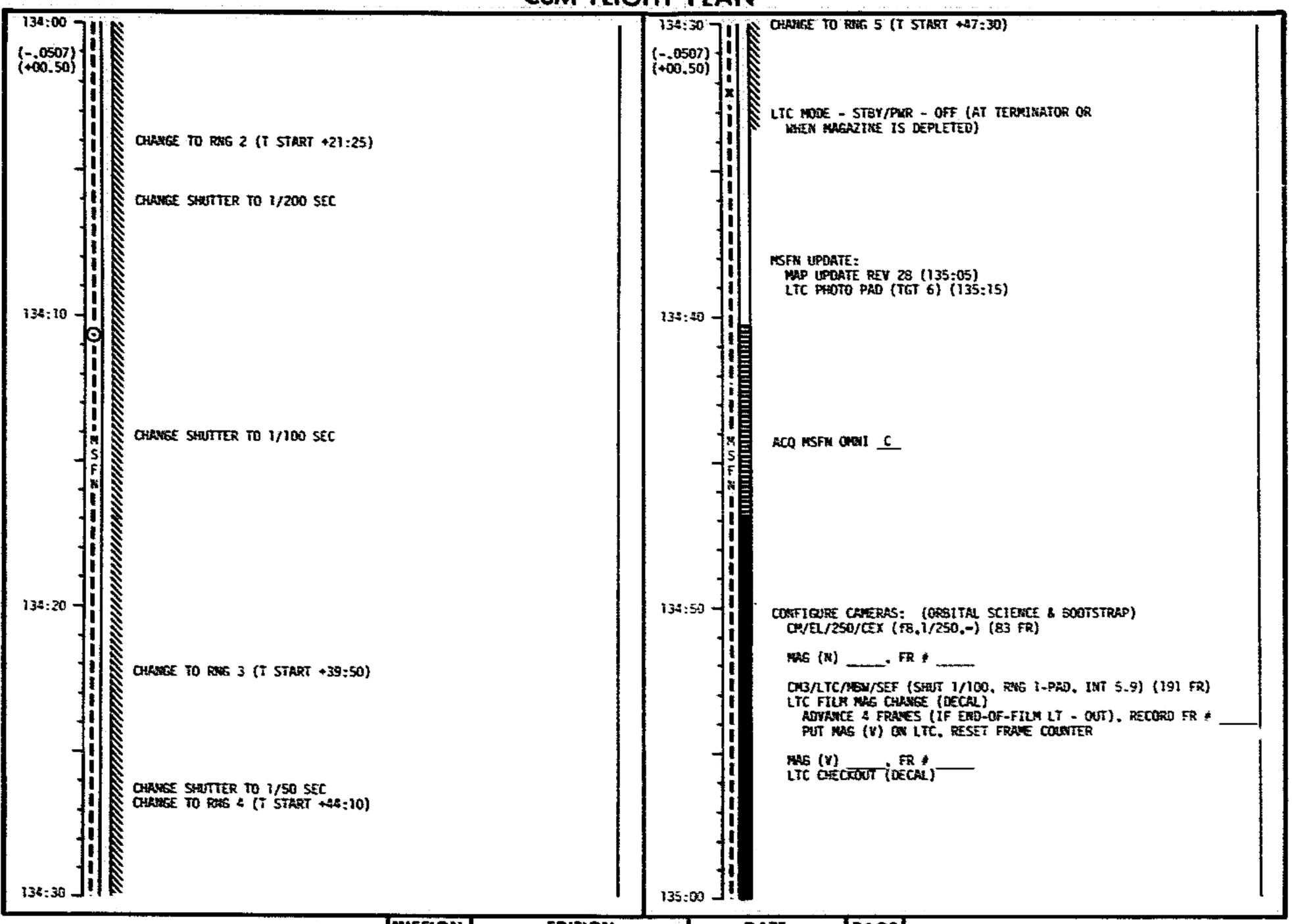


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	132:00 - 133:00	6/26	3-179

133:00	DAC - ON AT 24 Fps FOR 2 SEC	133:30 - V48 (11102)
133:00 M (11101) S (X1111) F (X1111) N	CHANGE TO TIME & 1/60 SEC YERIFY DSE TAPE HOTTON (LER/RCD/FMD/CHD RESET) DIM INTERIOR LIGHTING	(X1111) (11102)
	START PHOTO SEQUENCE: 2 FRAMES, EXP TIME 20 SEC 1 FRAME, EXP TIME 5 SEC	
	VERIFY RATES NOT > 0.2°/SEC IN ANY AXIS  IF RATES > 0.2°/SEC. AND TIME PERHITS -  DAMP RATES FOR GO SEC AND REPEAT EXPOSURE SEQUENCE	
	CHANGE TO 24 fps & 1/500, RUN DAC FOR 2 SEC LIGHTS UP, ONC 100E - AUTO, ENABLE ALL QUADS	GOOTSTRAP (VERT LTC) & ORB SCIENCE PHOTOGRAPHY
	V49 MTVR TO LUNAR LIBRATION ATT (133:20) (180,320,349)	SC CONT - CMC/AUTO (VERIFY)  V79 (-0.0507)  (0507) (+060.50)  (+00.50) (+00001)
133:10	CONFIGURE CAPERA: (EGOTSTRAP/ORB SCIENCE) CM3/LTC/MBM/SEF (SHUT 1/50,RMG 1-PAD,INT 8.1)(436 FR)	PRO TO START PITCH RATE AT ORDEAL P 328  133:40 — CONFIGURE DSE (HER/RCD/FWD/CMD RESET)
1	MAG (U), FR €	VERTEY: LTC MODE - STBY/PHR - ON, ZERO DET (T START -1 MIN)
	· ETC INSTALLATION (DECAL) LTC CHECKOUT (DECAL)	LTC TGT 2/8 (SHUT 1/50, RNG 1-PAD, INT 8.1) (424 FR) LTC MODE - AUTO, DET - UP/START (T START)
133:20 -	LUMAR LIBRATION PHOTOGRAPHY	PCM BIT RATE - LO ACQ MSFN OMNI_B LTC PHOTO PAD TGT: 2/8 (180,032,000)
	INHIBIT - A3,C4,B3,O4 THRUSTERS  DAC - ON AT 24 Fps FOR 2 SEC, CHANGE TO TIME & 1/60 SEC  DIN INTERIOR LIGHTING	133:50   CHANGE SHUTTER   R P Y
	1 FRAME, EXP TIME 60 SEC 2 FRAMES, EXP TIME 20 SEC 1 FRAME, EXP TIME 5 SEC	T STOP:
	CHANGE TO 24 fps & 1/500, RUN DAC FOR 2 SEC LIGHTS UP, ENABLE - A3,C4,63,D4 THRUSTERS REMOVE CAMERA FROM WINDOW HAP UPDATE REV 27	RNG 1(91.0) T START  RNG 2(91.1) T START +21:25
	RECORD HAG : REHOVE CAHERA SHIELD LOS :	RNG 3(90.9) T START +39:50
REV 27	180°:	RNG 4(91.0) T START +44:10
	<del>  </del> -	RXG 5(91.1) T START +47:30
133:30	<u> </u>	134:00 V64; ACO MSFN HGA P -47, Y 357
	MISSION EDITION	DATE PAGE
	APOLLO 14 CHANGE A (JAN)	

0323 CST MCC-H CDR LMP NOTES 133:00 PREPARE VISORS & HELMETS FOR EVA (12102) -1:10 UNLOCK FORWARD HATCH HANDLE :10 PLSS DONNING -1:00 CONFIGURE LMP PLSS FOR DONNING LMP DON PLSS CONFIGURE CDR PLSS FOR DONNING :20 COR DON PLSS UNSTOW RCU'S AND VERIFY CONFIGURATION -0:05 CONNECT RCU TO PLSS 133:30 PLSS COMM CHECK FM VCICE CHECK (TV ON) -0:40 CONFIGURE FOR EVA COMM, BIOMED-OFF RECORDER - ON :40 VERIFY PLSS COMM & TM FINAL SYSTEMS PREP OPS CONNECT -0:30 LMP UNSTOW OPS AND CONNECT TO RCU & PLSS CDR UNSTOW OPS AND CONNECT TO RCU & PLSS :50 VERIFY ITEMS PREPARED FOR JETTISON HELMET/GLOVE DONNING -0:20 DON HELMETS & LEVA'S STOW LM HOSES DUMP DSE <del>-</del> 134:00

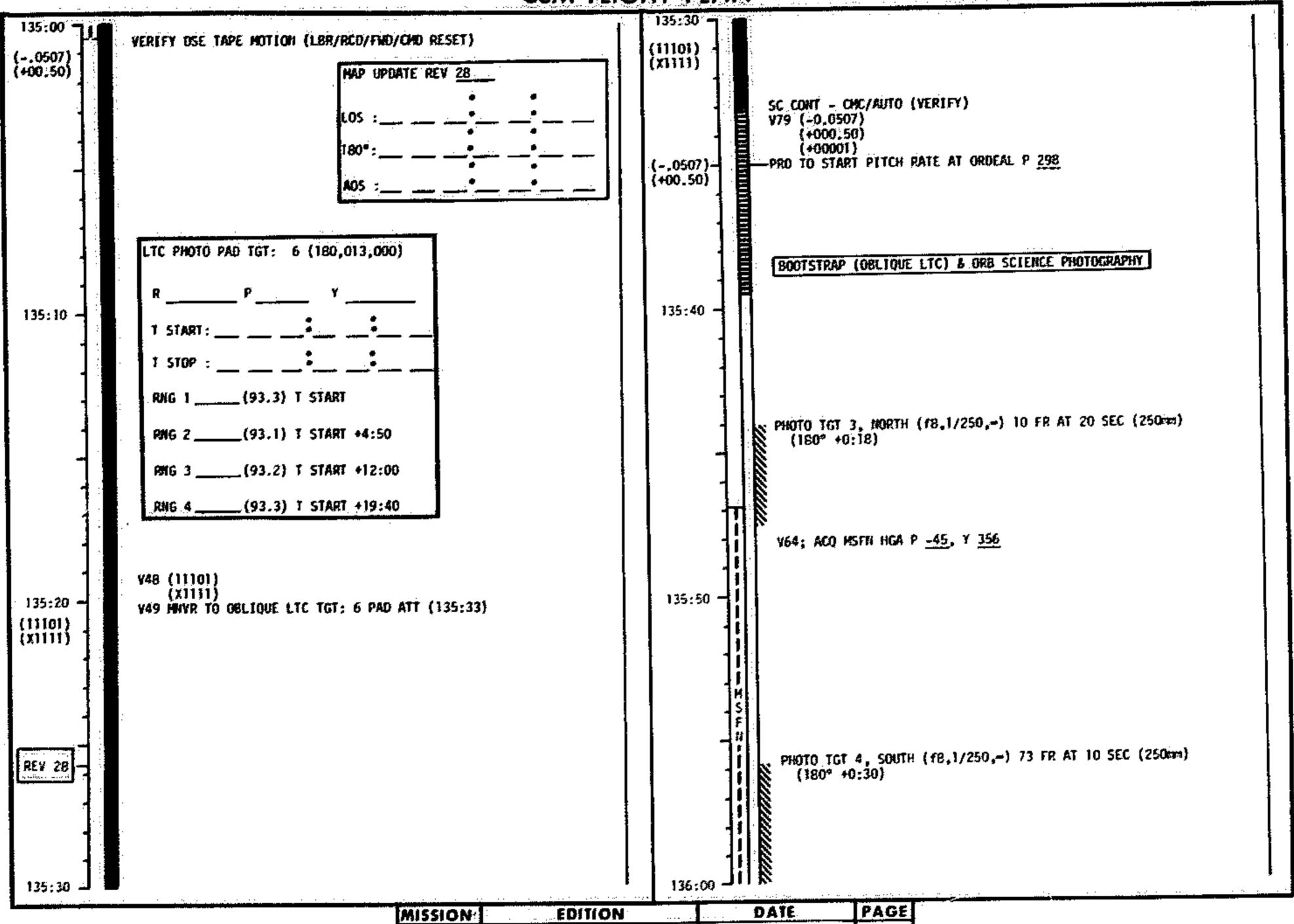
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	133:00 - 134:00	6/26-27	3-181



MISSION	EDITION	DATE	PAGE
APOLLO 14	Final (Jak)	DECEMBER 2, 1970	3-182

MCC-H	0423 CST	CDR	NOTES
	F (12102)	VERIFY PGA CONFIGURATION	
		VERIFY CB CONFIGURATION FOR EVA DON GLOVES	-0:10
	:10	PRESSURE INTEGRITY CHECK PLSS 0 <sub>2</sub> - ON	
		CABIN DEPRESS DEPRESS CABIN TO 3.5 PSIA. START EVA WATCH OVHD OR FWD DUMP VALVE - OPEN PARTIALLY OPEN FWD HATCH	0:00 START EVA
	:20	FINAL PREP FOR EGRESS  PLSS FEEDWATER - OPEN, FWD HATCH - OPEN  VERIFY CWEA & PGA STATUS  RELEASE PLSS ANTENNAS, LOWER VISOR	0:10
	134:30	CDR EGRESS AND TRANSFER  ST DESCEND TO SURFACE FV DEPLOY LEC TRANSFER ETB TO SURFACE AND LOAD ETB FOR TRANSFER STOW ON MESA	0:20
UPDATE TO CSM	:40	MET LOAD  MOVE MET NEAR MESA  LMP EGRESS  CLOSE HATCH AND DESCEND	
MAP UPDATE REV 28	-	OPEN SRC AND STOW EQUIPMENT MET LOAD ASSIST ON MET ON MET ON MET OPEN SRC AND STOW EQUIPMENT OPEN SRC AND STOW EQU	0:30
		MAGNETOMETER OFFLOAD MAGNETOMETER OFFLOAD, MET TRACK & FOOTPRINT EVAL STOW ON MET	
	:50	TRAVERSE TO STATION A PHOTOGRAPH AND COMMENT ON MET TRACKS TRAVERSE TO STATION A PHOTOGRAPH AND COMMENT ON	0:40
	E 135:00	STATION A STATION A LMP POINT MEASUREMENT	

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	134:00 - 135:00	6/27	3-183



FINAL (JAH)

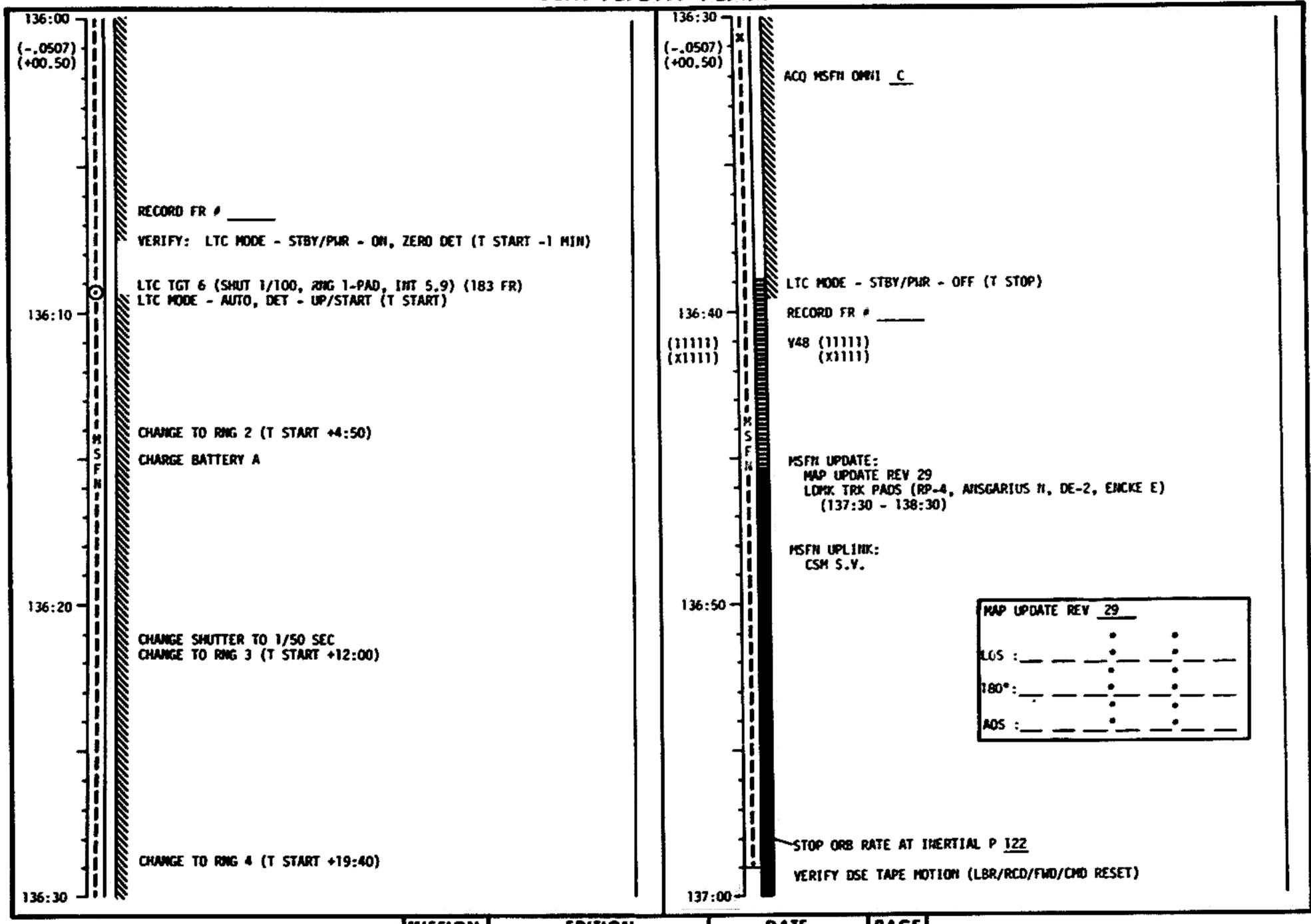
APOLLO 14

DECEMBER 2, 1970

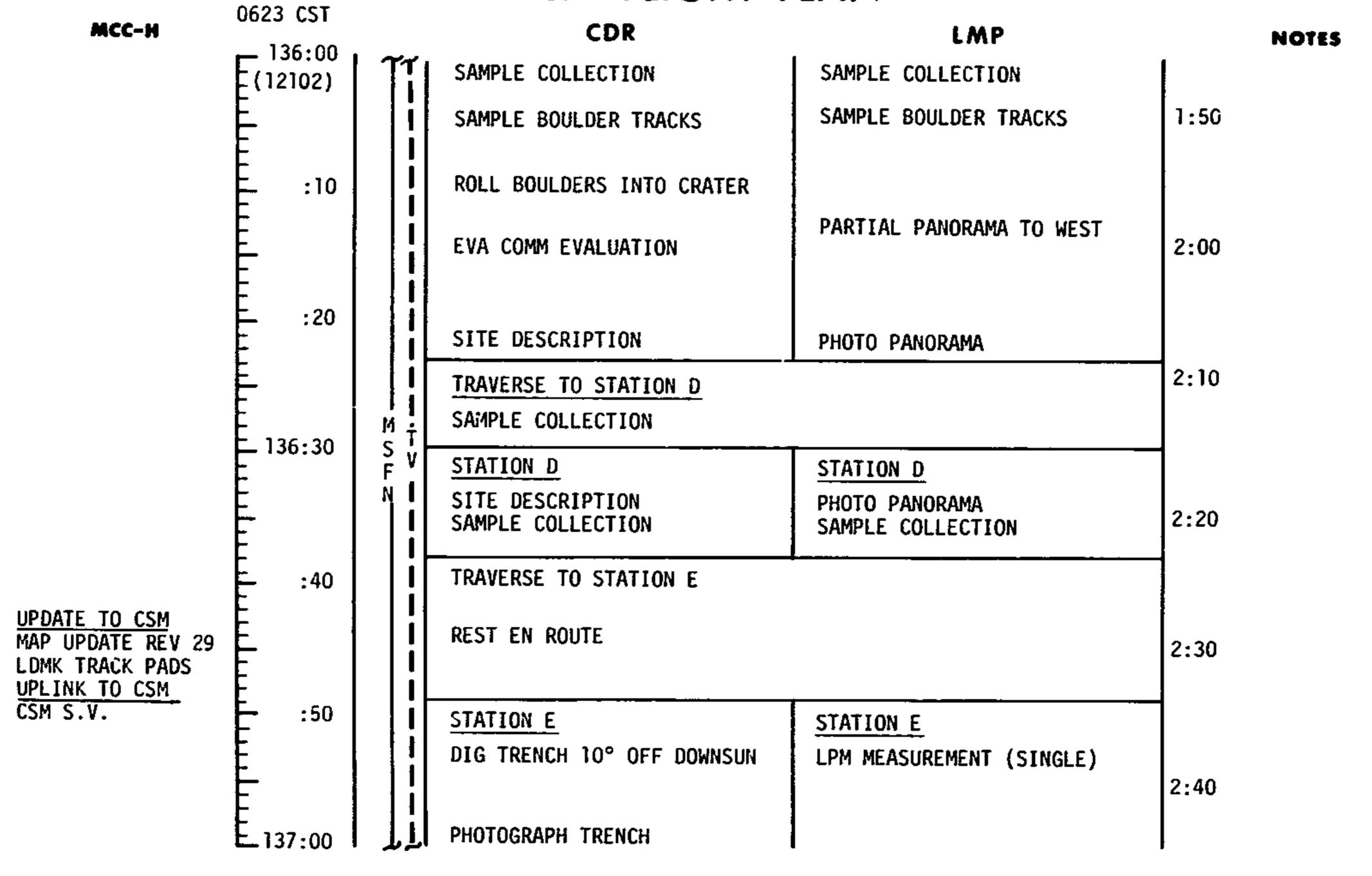
3-184

MCC-H	0523 CST	CDR	NOTES
	[ 135:00 [ (12102) [ ]	REBAG AND STOW TDS SAMPLES PHOTO PANORAMA SITE DESCRIPTION COLLECT SAMPLES  REPORT X,Y,Z READINGS AT EACH OF THREE POSITIONS PHOTOGRAPH SITE	0:50
	:10	STOW SENSOR/TRIPOD ON MET REWIND CABLE, STOW ON MET	1:00
	:20	DOUBLE CORE PLACE GNOMON HAMMER TUBES INTO SURFACE STOW HAMMER & GNOMON  DOUBLE CORE ASSEMBLE TUBES PHOTOGRAPH TUBES IN SURFACE REMOVE AND STOW TUBES	1
	E	TRAVERSE TO STATION B	1:10
	135:30	STATION B PHOTO PANORAMA SITE DESCRIPTION SAMPLE COLLECTION SAMPLE COLLECTION	
	F I	TRAVERSE TO BEND AREA	1:20
	F	BEND AREA: PHOTO PANORAMA AND SITE DESCRIPTION	<b>□</b> ···•
DUMP DSE	:40 :-	TRAVERSE TO CONE CRATER VIA STATION D  REST EN ROUTE	1:30
GO/NO-GO FOR EVA EXTENSION	A-2E E E 136:00	CONE CRATER RIM SITE DESCRIPTION SAMPLE COLLECTION PROCEED TO SOUTH RIM  CONE CRATER RIM PHOTO PANORAMA SAMPLE COLLECTION PROCEED TO SOUTH RIM	1:40

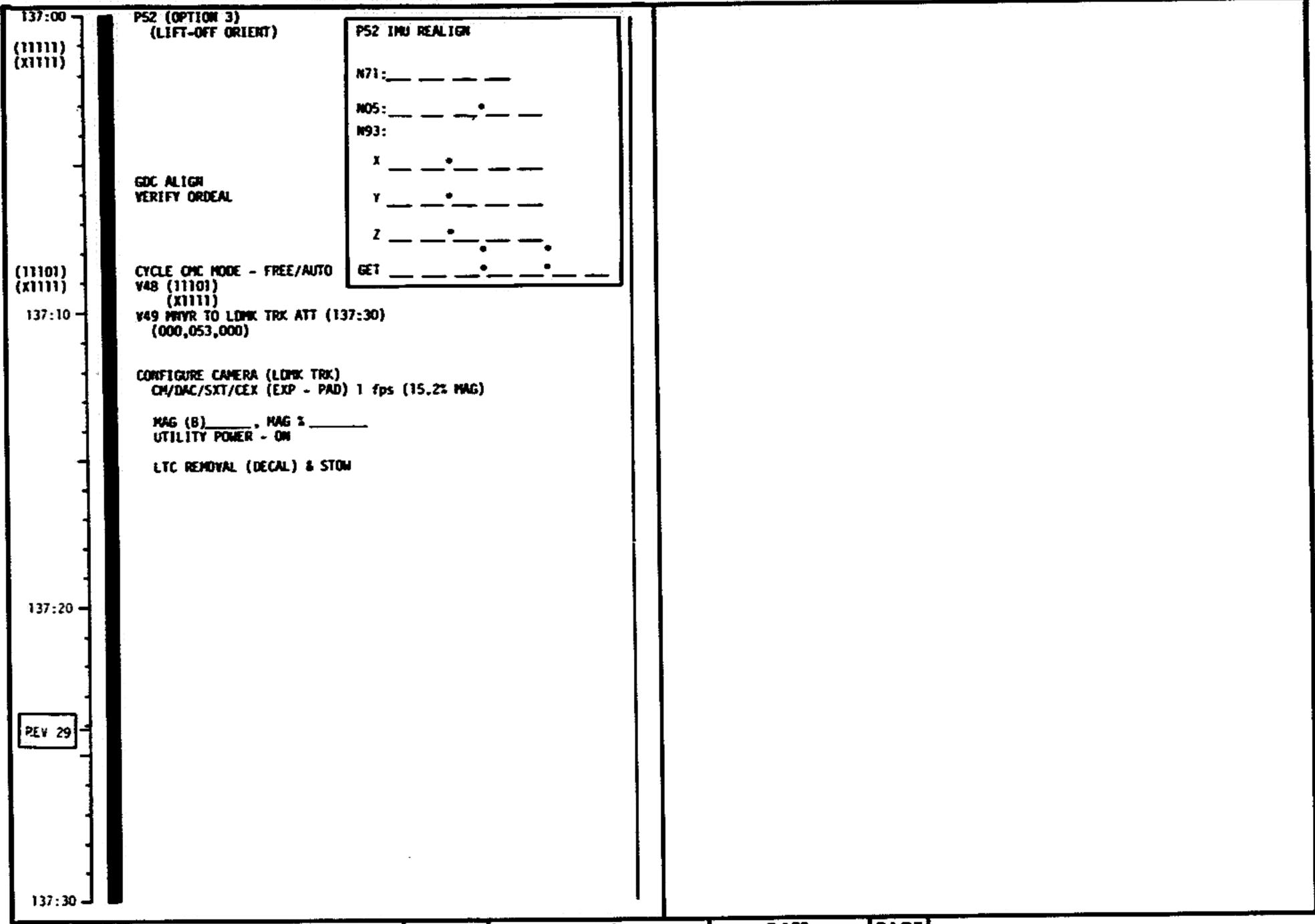
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	135:00 - 136:00	6/27-28	3-185



MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-186



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	136:00 - 137:00	6/28	3-187

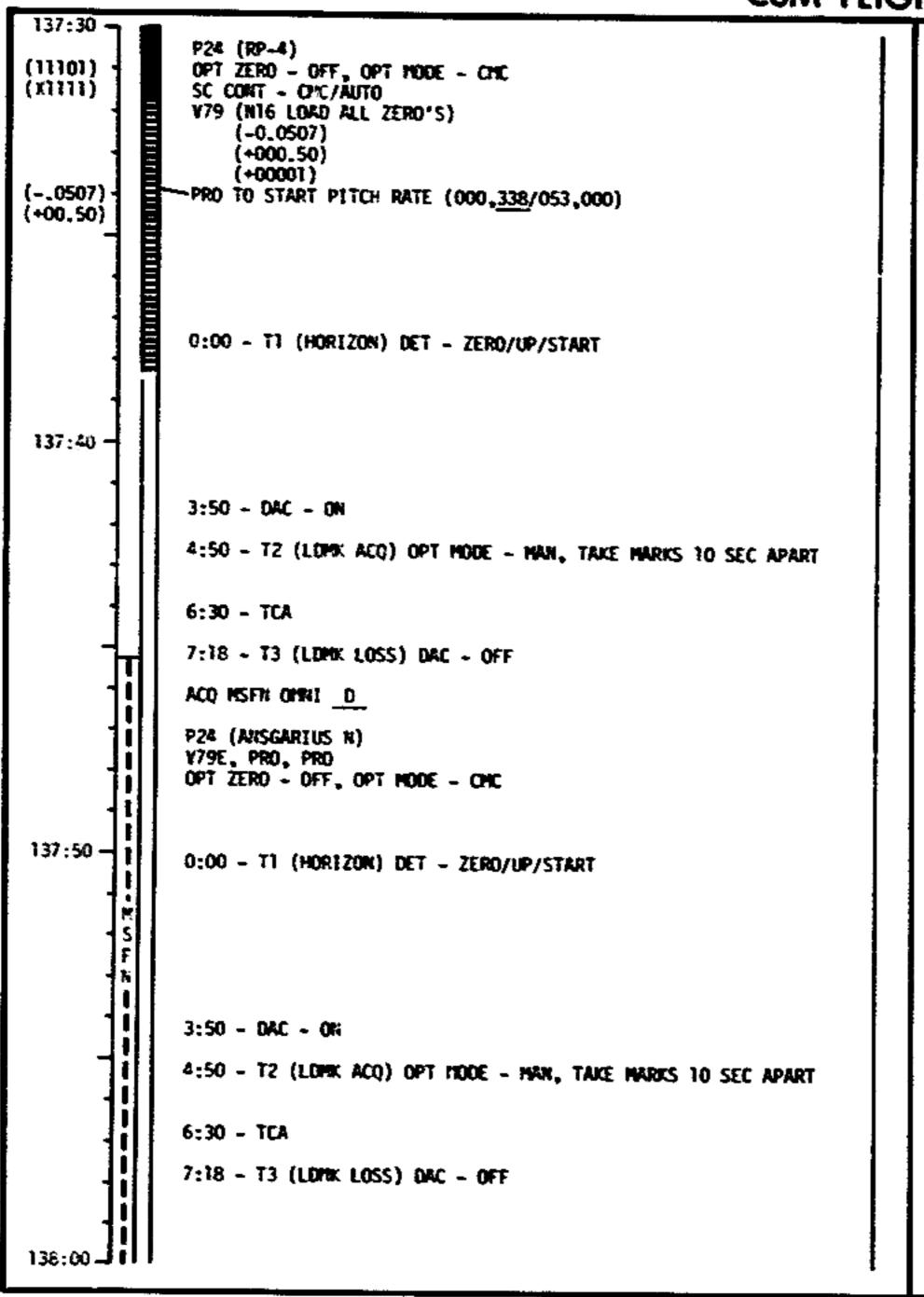


MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-188

0723 CST NOTES LMP CDR MCC-H 137:00 PHOTOGRAPH TRENCH MAKE BOOTPRINT IN FILL (12102) SPECIAL ENVIRONMENTAL SPECIAL ENVIRONMENTAL SAMPLE SAMPLE SAMPLE TRENCH INTERIOR SAMPLE TRENCH INTERIOR :05 2:50 :10 3:00 TRAVERSE TO STATION F -137:15 :20 STATION F STATION F PHOTO PANORAMA SITE DESCRIPTION SAMPLE COLLECTION SAMPLE COLLECTION 3:10 :25 TRIPLE CORE SAMPLE TRIPLE CORE SAMPLE

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	137:00 - 137:30	6/28-29	3-189

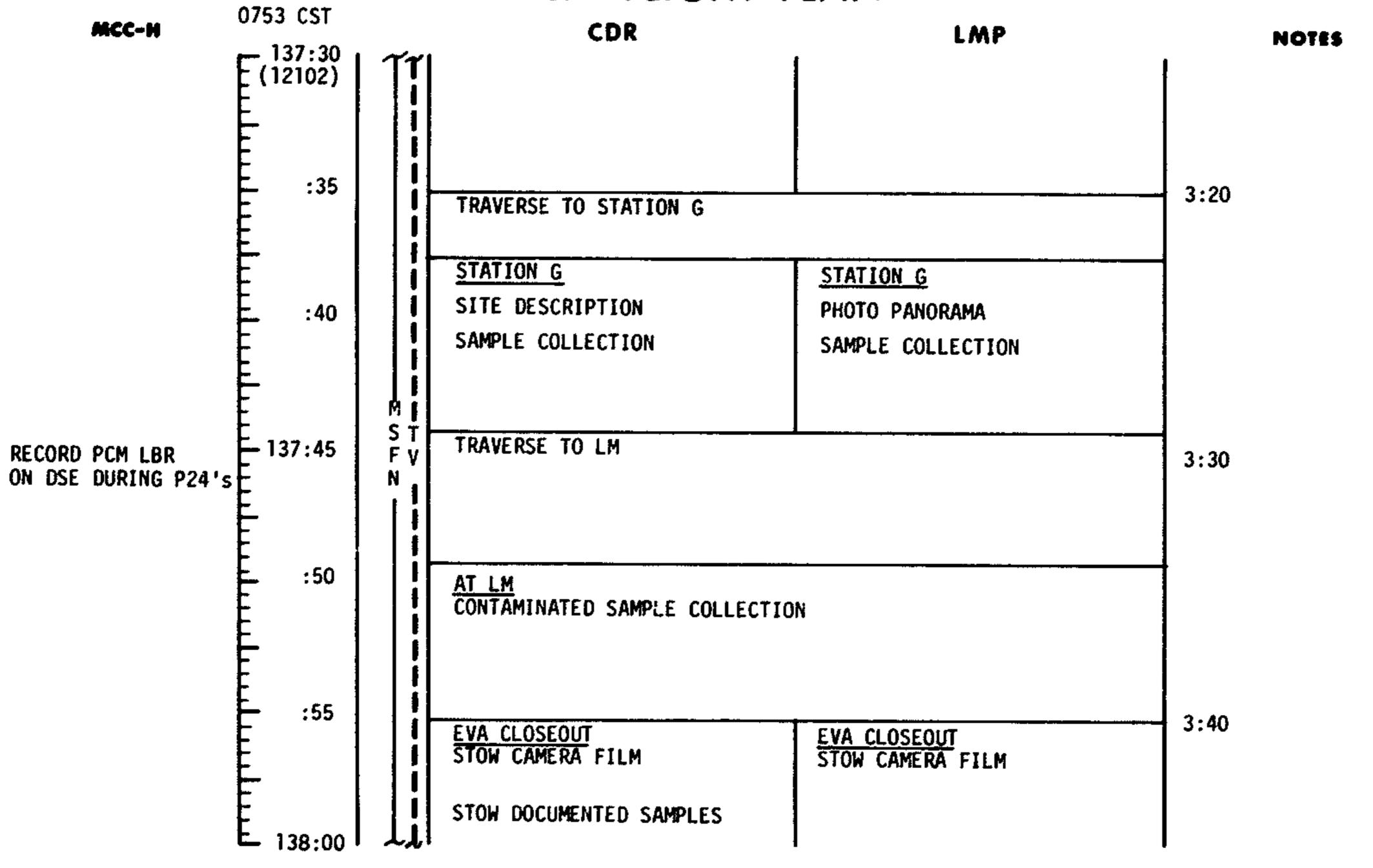
**└**137:30



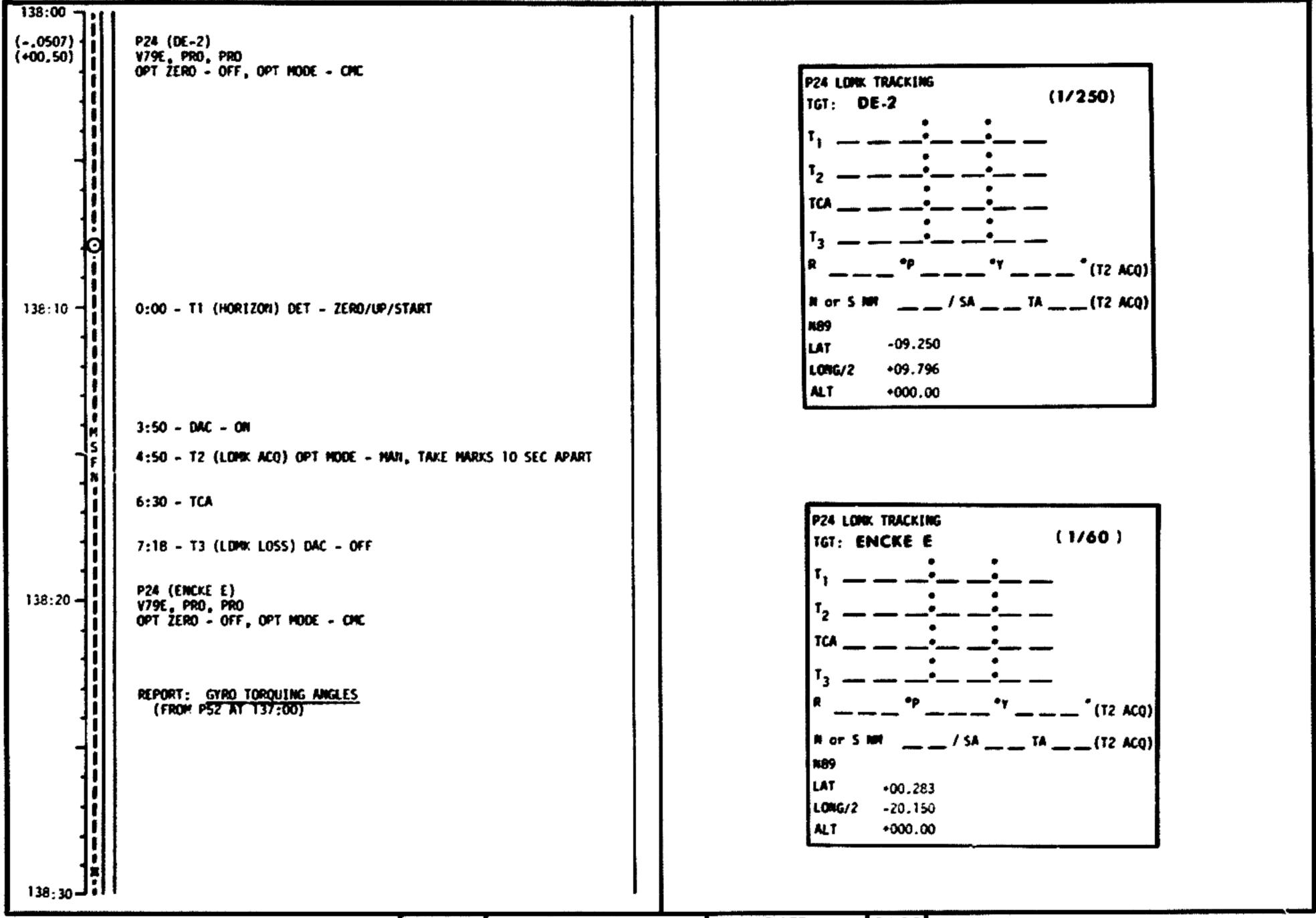
	TRACKING RP-4	(1/125)
t,	:	·
<sup>7</sup> 2 —		•
TCA		<b>-</b> _
<sup>7</sup> 3 —	:	• •
R —-	<sup>*p</sup>	"Y (T2 ACQ)
N or S	m/sk_	TA(T2 ACQ)
N89		
LAT	-05.850	
L <b>0%</b> 6/2	+60.125	
ALT	+000.00	

	K TRACKING	(1/250)
161:	NSGARIUS N	(1, 250)
ī,		_
1 <sub>2</sub> —	:_:_	
TCA		
τ <sub>3</sub> —	::_	
*	***-	*(T2 ACQ)
N or S	/sa	TA(T2 ACQ)
LAT	~11.633	
LONG/2	+40,533	
ALT .	+000.00	

MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-190



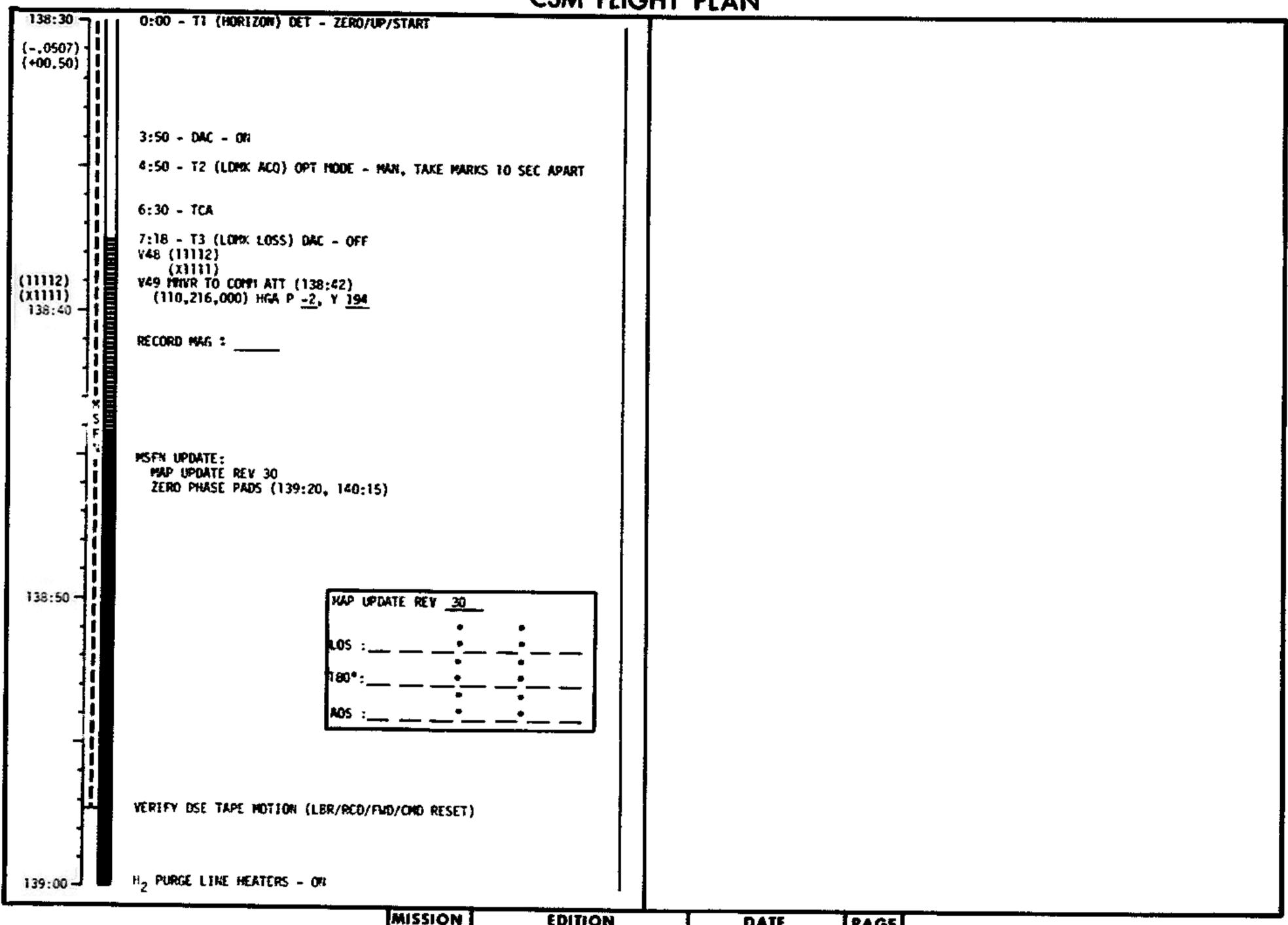
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	137:30 - 138:00	6/29	3-191



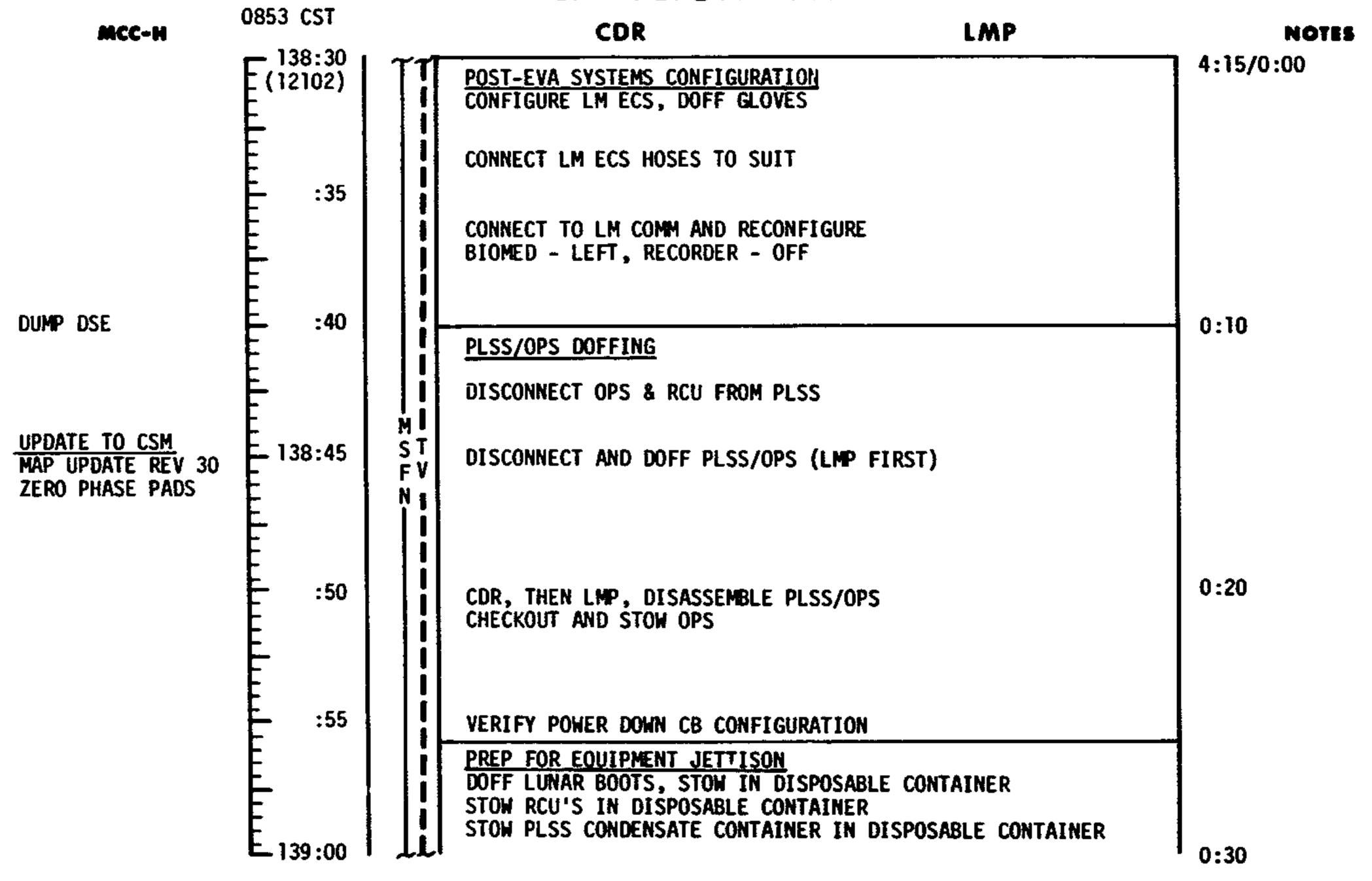
MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-192

0823 CST MCC-H CDR LMP NOTES 138:00 RETRIEVE AND STOW SWC FOIL (12102)PACK AND SEAL SRC ASSIST CDR :05 3:50 STOW WEIGH BAGS IN ETB **EVA TERMINATION** CLEAN AND CHECK EMU'S CLEAN EMU'S :10 HAND SRC TO LMP ASCEND TO MIDDLE LADDER RUNG TRANSFER ETB VIA LEC RIG LEC FOR ETB AND TRANSFER 138:15 **INGRESS** 4:00 TRACKING LIGHT TEST PLACE ETB ON ASC ENG COVER CHECK EMU & LM SYSTEMS :20 PASS LEC TO CDR **EVA TERMINATION** ASCEND TO PLATFORM STOW SRC ON ASC ENG COVER DISCARD LEC ASSIST CDR :25 INGRESS 4:10 CLOSE HATCH REPRESSURIZE CABIN 4:15/0:00 138:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	138:00 - 138:30	6/29	3-193



MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-194



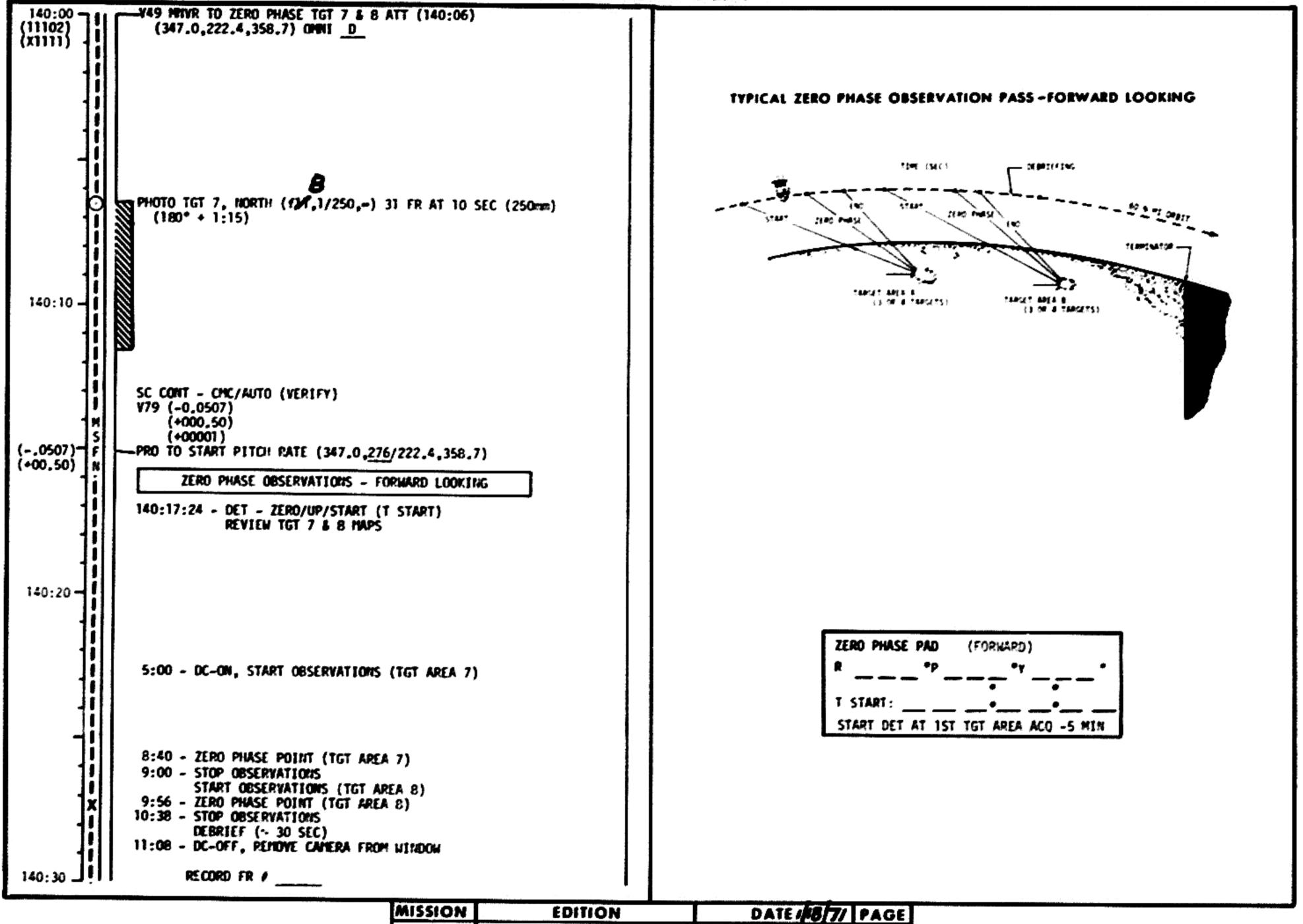
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	138:30 - 139:00	6/29	3-195

120.00		IOIII I LAI	
139:00	CONFIGURE CAMERA: (ZERO PHASE) CM3/DC/80/MBM-BRKT, IVL, PCM CABLE (f5.6,1/250,-) (41 FR)	139:30	
(0507) + (+00.50)		(31101) (x1111)	SC CONT - CHC/AUTO (VERIFY)
(**************************************	MAG (R), FR #	(xnm)	Y79 (-0.0507) (+000.50)
		( 000)	(+00001)
		(0507) - (+00.50)	
1			
1 1		11 - 11	
1 1	RR XPMOR ACTIVATION AND SELF-TEST (DECAL)	11 1	TORMINATE WASTE WATER
	• • • • • • • • • • • • • • • • • • • •		Dumi
		11 11	
		11 11	
1 1	ZERO PHASE PAD (BACKWARD)	11 11	ZERO PHASE OBSERVATIONS - BACKMARD LOOKING
139:10	" " " "	139:40	120.40.12 DET 7500.00.057405 (7.67405)
	T START:	!   ]	139:40:12 - DET - ZERD/UP/START (T START) REVIEW TGT 5 & 6 MAPS
	START DET AT 1ST TGT AREA ACQ -5 MIN		
		11 11	
1		11 1	
	V48 (11101)		ACQ HSFN HGA P -68, Y 34
(11101) - (X1111)	(X1111) V49 PRVR TO ZERO PHASE TGT 5 & 6 ATT (139:30)	1 49	5:00 - DC - ON, START OBSERVATIONS (TGT AREA 5)
(X1111)	(196.1,341.6,359.3)		1 Side See Single Control Cont
▎  ↓▮			
		1 1 1:1	6:40 - ZERO PHASE POINT (TGT AREA 5)
1			8:06 - STOP OBSERVATIONS
1 1		1 1 49	START OBSERVATIONS (TGT AREA 6) 8:46 - ZERO PHASE POINT (TGT AREA 6)
139:20 -	H <sub>2</sub> & O <sub>2</sub> FUEL CELL PURGE	139:50	
	WASTE WATER DUMP	]	
]	H <sub>2</sub> PURGE LINE HEATERS - OFF	] M	
REV 30 -	TYPICAL ZERO PHASE OBSERVATION PASS-BACKWARD LOOKING	1 15	11:48 - STOP OBSERVATIONS
		1 11	DEBRIEF (~ 30 SEC) 12:18 - DC - OFF
1			
4	スローー	·7  ]!	AMERICAN (AMERICA (AMERICA)
	25895 AERO MASS (NO MASS)	/	CONFIGURE CAMERA: (ORBITAL SCIENCE)  CIVEL/250/CEX (F2F,1/250,=) (31 FR)
<b> </b>	Lifering Land Company of the Company	<b>( )</b> []	MAG (N) FR #
		1:1	
1		×   (11102)   √	V48 (11102)
1	TANCET ROLE E TRACET ROLE B: (3 OR 4 TRACETS)	(11102)   (x1111)	(xiiii)
139:30		140:00i	
	MISSION EDITION		DATE HOLTT PAGE
	APOLLO 14 CHANGE # (1)		DATEGRAPH PAGE

DIT 1/27/71

0923 CST MCC-H CDR LMP NOTES 139:00 0:30 REMOVE AND STOW ARMREST IN DISPOSABLE CONTAINER (12102)POSITION PLSS'S FOR JETTISON DON EV GLOVES PRESSURE INTEGRITY CHECK :10 0:40 CABIN DEPRESS FOR JETTISON OPEN HATCH, JETTISON DISPOSABLE CONTAINER AND PLSS'S CLOSE HATCH DUMP VALVES - AUTO :20 0:50 REPRESSURIZE CABIN POST-EVA CABIN CLEANUP SECURE OPS ON CABIN FLOOR 139:30 1:00 STOW EQUIPMENT FOR RETURN WEIGH SRC, ISA, & WEIGH BAGS, REPORT TO MCC-H STOW SCALE & SRC :40 1:10 STOW LM EVA ANTENNA DUMP DSE INSTALL ISA IN AFT CABIN STOW EVA ONBOARD DATA IN FLIGHT DATA FILE :50 1:20 **└** 140:00 1:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	139:00 - 140:00	6/29-30	3-197

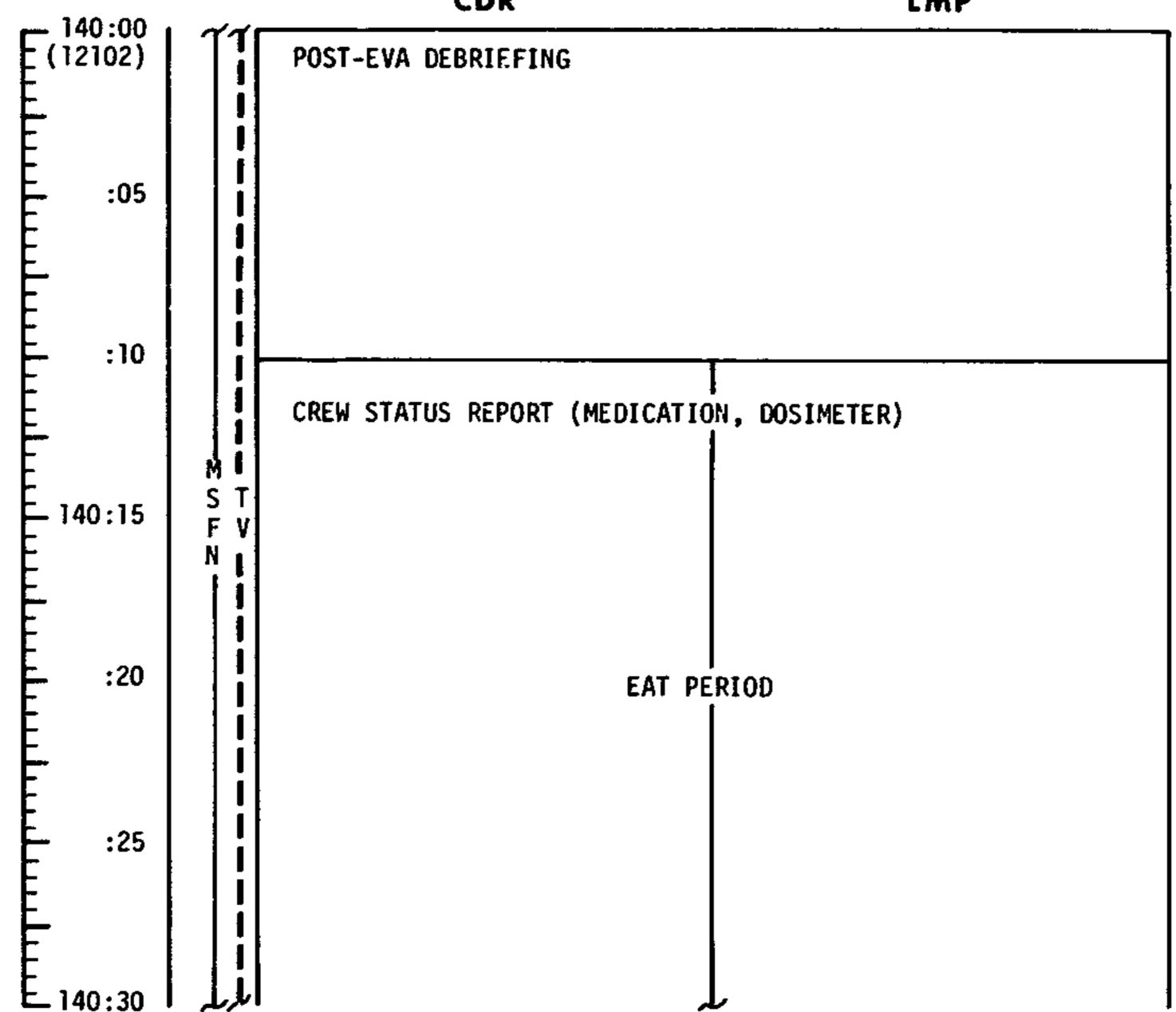


MISSION	EDITION	DATE 1/18/7/	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-198

CHANGE C

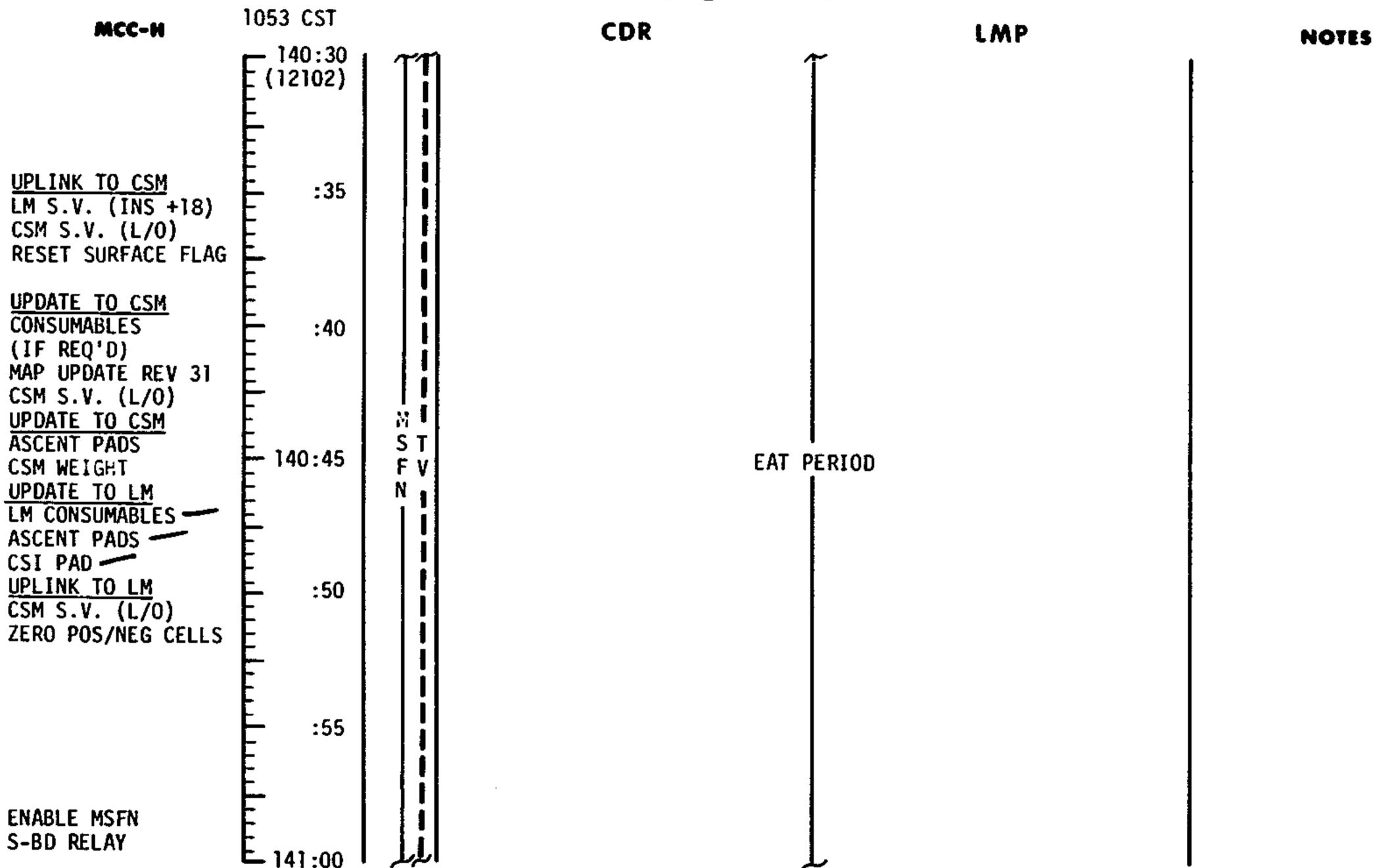
MCC-H 1023 CST



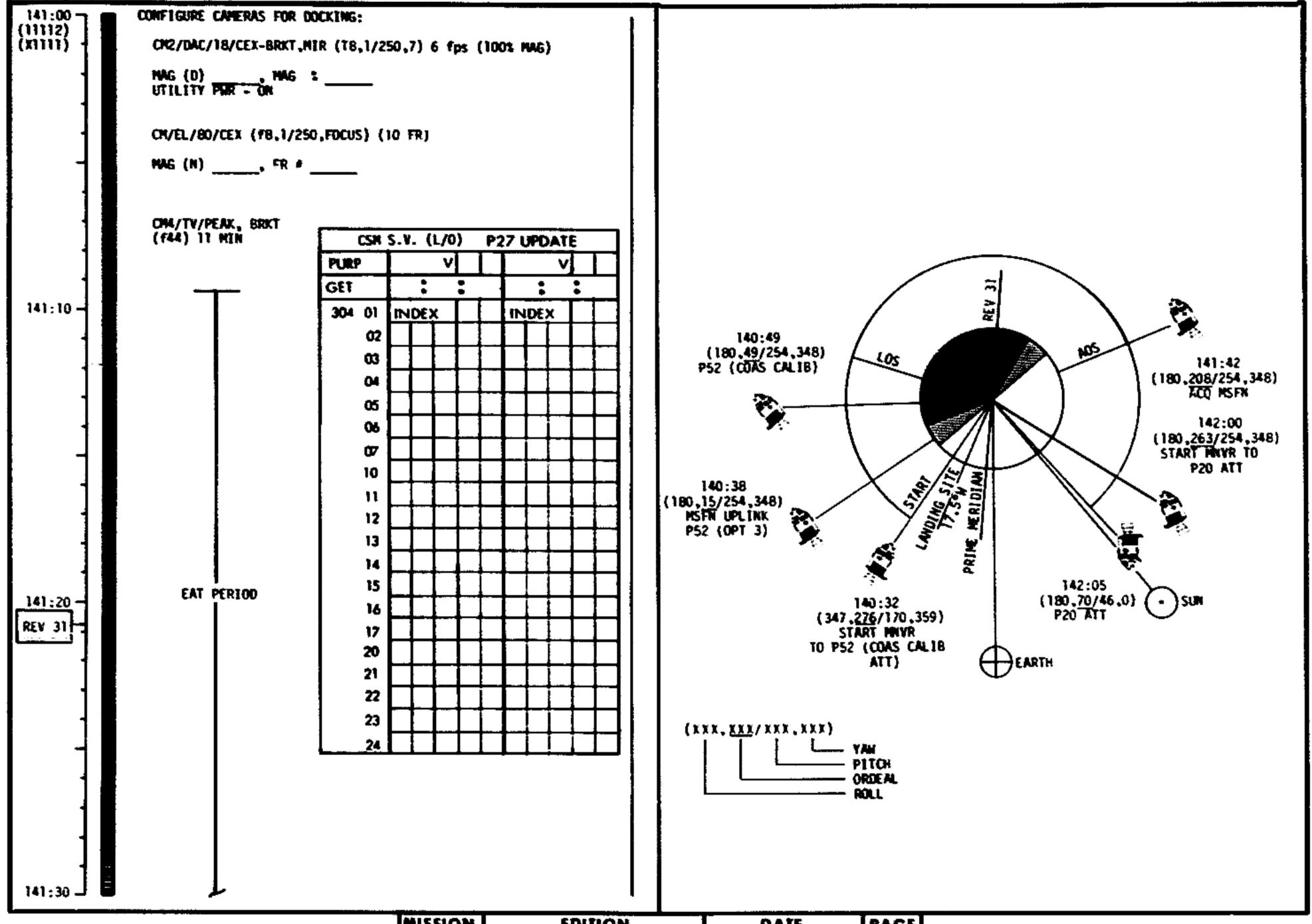


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	140:00 - 140:30	6/30	3-199

140:30				T				· · · · · · · · · · · · · · · · · · ·
140:30 (11112) (X1111)	V48 (31112) (X1111)		1					
	Y49 MWR TO PS2 COAS CALIB ATT (14 (180,254,348)	(0:38)				CSN CONS	DWADLES SPRATE	
						ŒT:		
						RCS TOTAL		
						QUAD A	8	
						(	· 0	
	V64; ACO MSFN HGA P -52, Y 173 MSFN UPLINK:				] 1	H <sub>2</sub> TANK 1	2	
	LH S.V. (INS + 18) CSH S.V. (L/O)				(	0 <sub>2</sub> TANK 1	2	
140:40	RESET SURFACE FLAG MSFN UPDATE:				i_	3		
	CONSUMABLES (IF REQ'D) MAP UPDATE REV 31							
S	CSM S.V. (E/O) COPY AT 141:15					P52(IM) R	EALIGN)	
	MSFN UPDATE TO LIN WITH CSM COPY: ASCENT PADS AND CSM WEIGHT COPY.	AT 142:10				N71 :		
i ii	P52 (OPTION 3) (LIFT-OFF ORIENT)						•	
- i	REPORT: GYRO TORQUING ANGLES				] 1	N93:		
						<b>*</b> — -	- <b>'</b>	
						<b>Y</b> — -	<b></b>	
	BED (CO45 EM 10)					<i>z</i> — -	-·	
140:50 -	P52 (COAS CALIB) USE STAR NO, 22				Ľ	ŒT		
];					1 m	AS CALIB -	m02	, l
ļi.					1		- M32 •	
			•			AFT:		
]:					180			
					Fig.	AP UPDATE	REV 31	
ļ <sup>2</sup> .	164504 665 5465 11000 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Ĺ	•	: :	
	VERIFY DSE TAPE MOTION (LBR/RCD/FMC MSFN ENABLES MSFN S-BAND RELAY	D/CMD RESET)			i	os :		
					Pa		:	
					M	os :		
141:00								
		MISSION	EDITION	L	DATE	PAGE		
		APOLLO 14	FINAL (JAK)		DECEMBER 2, 1970	3-200		



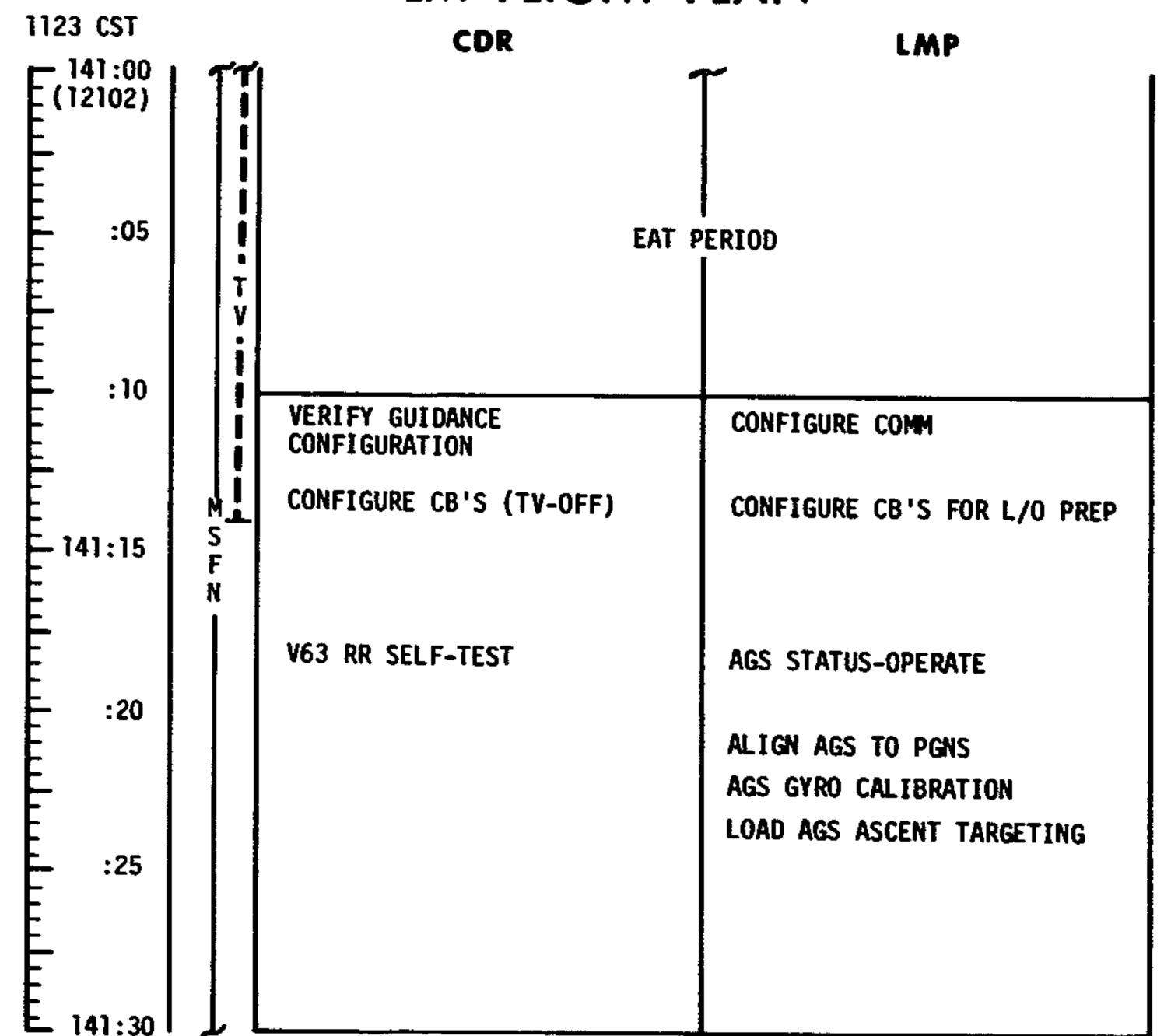
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	140:30 - 141:00	6/30	3-201



MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-202

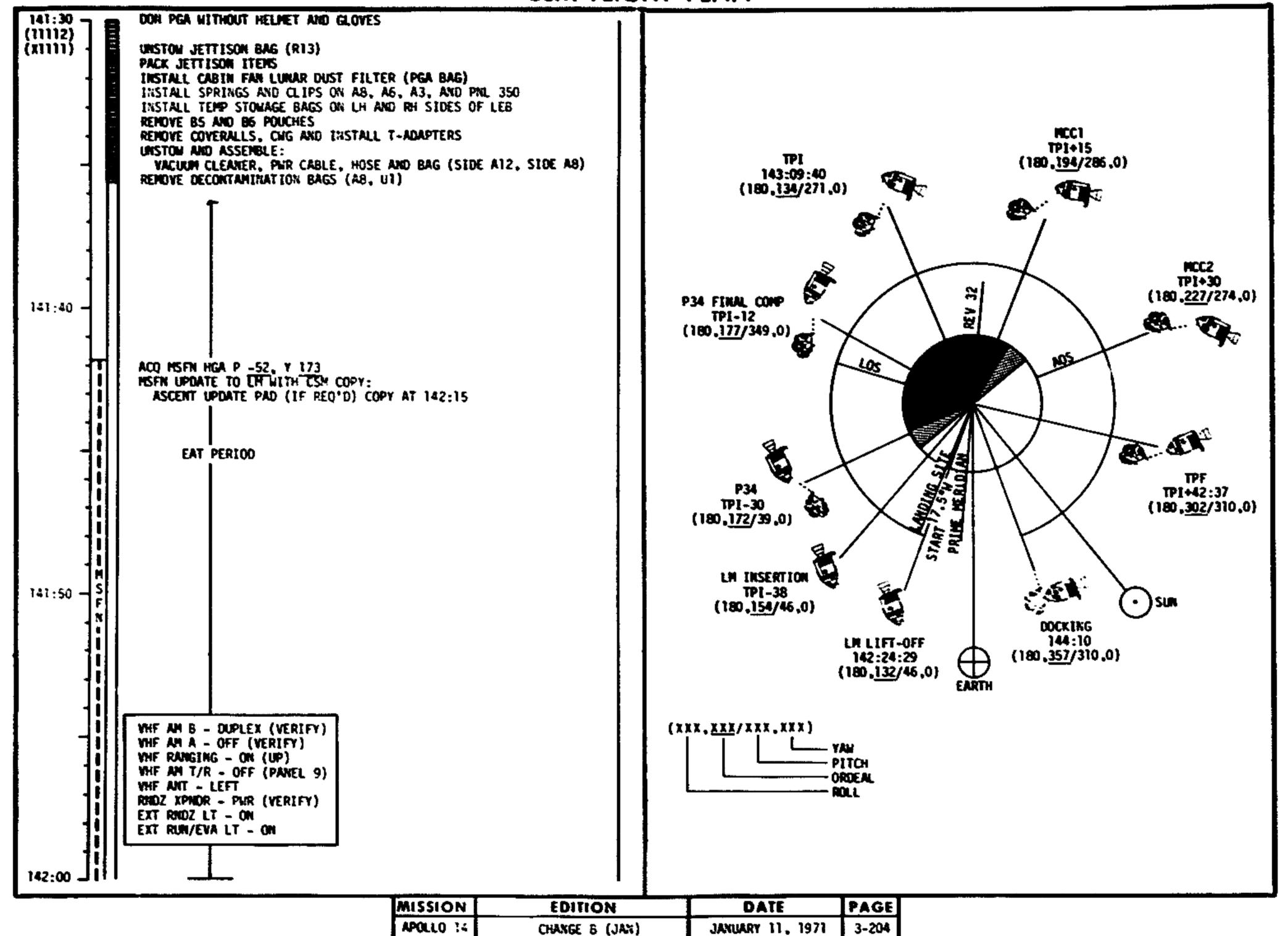
# LM FLIG. IT PLAN

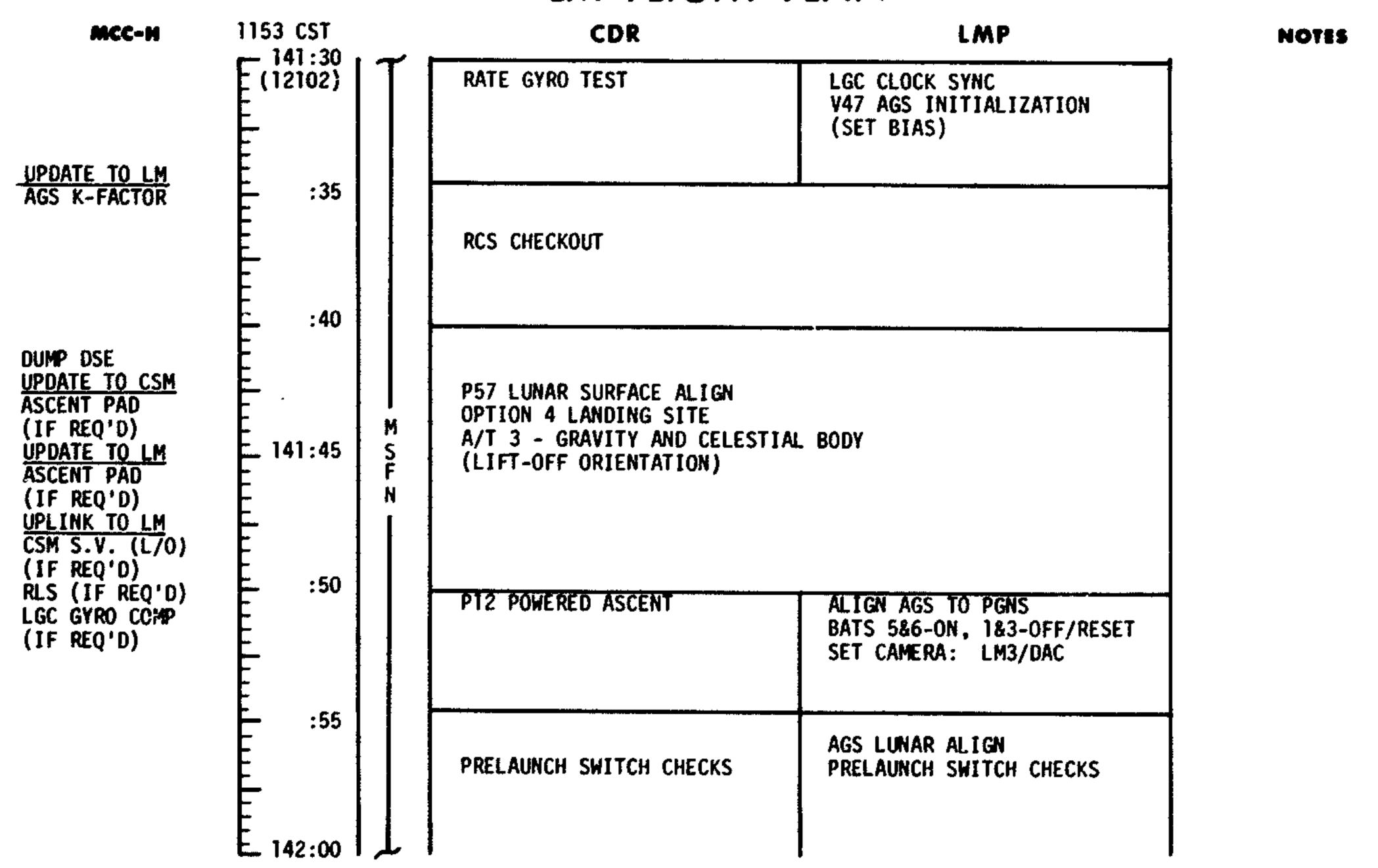
MCC-H



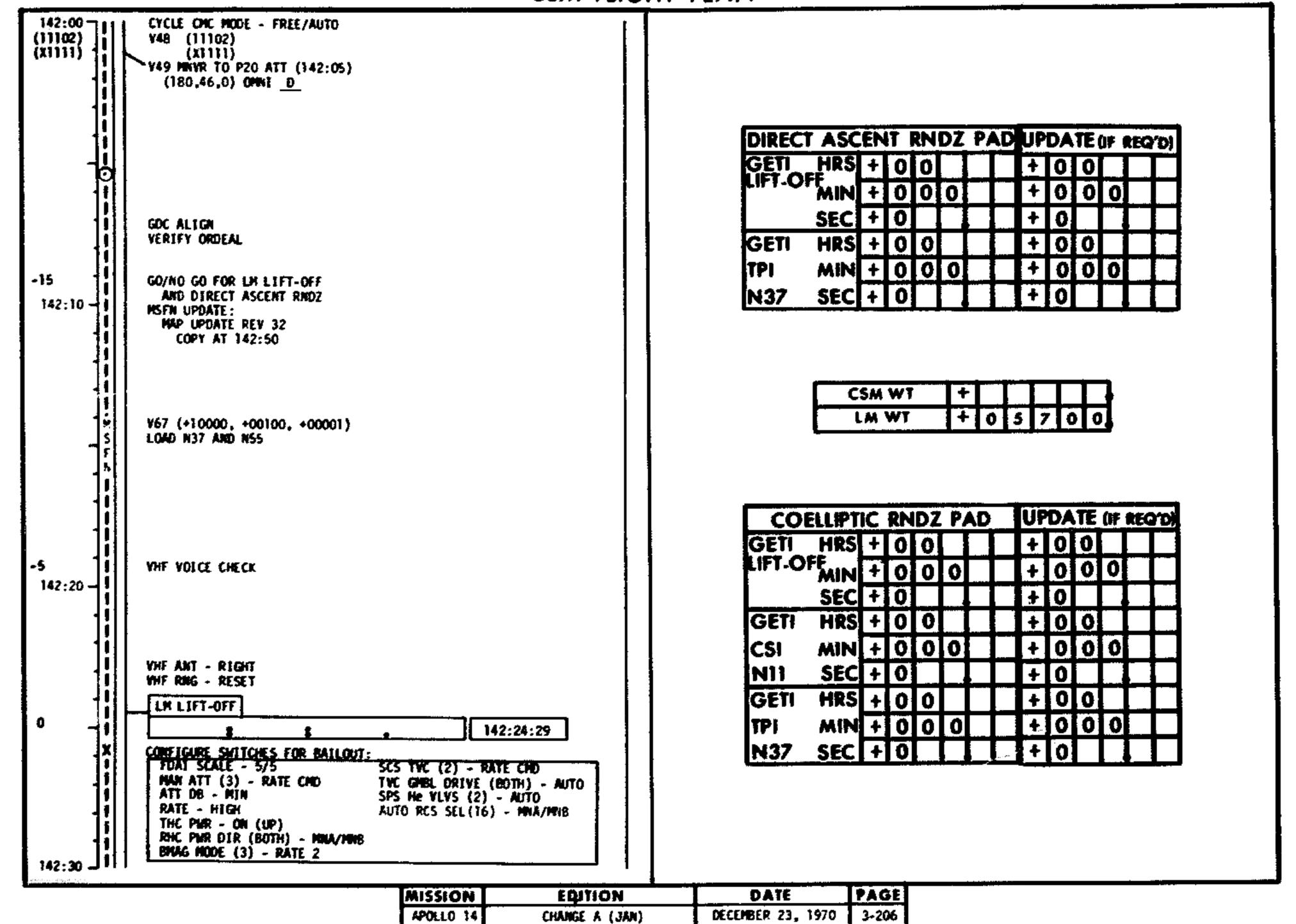
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	141:00 - 141:30	6/30-31	3-203

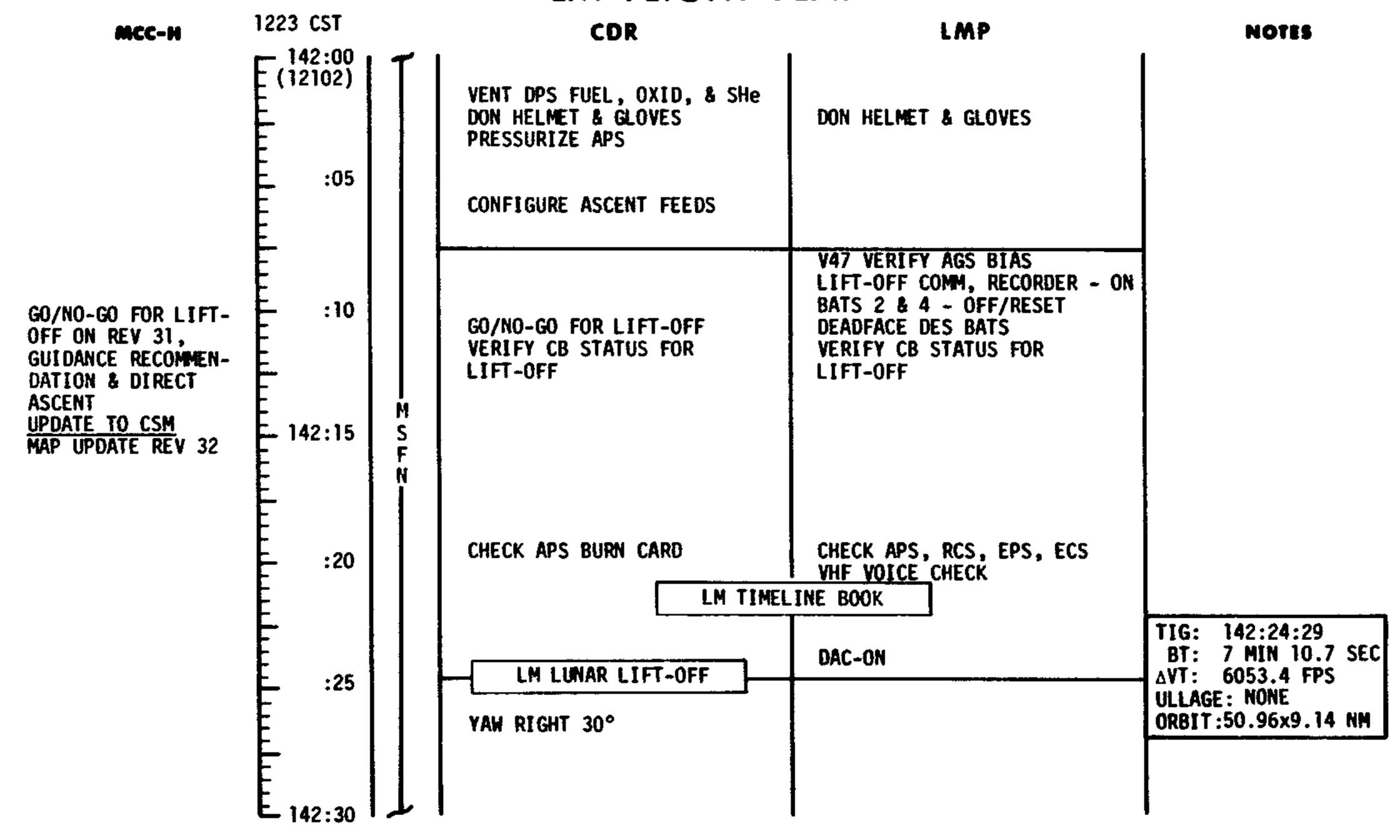
NOTES



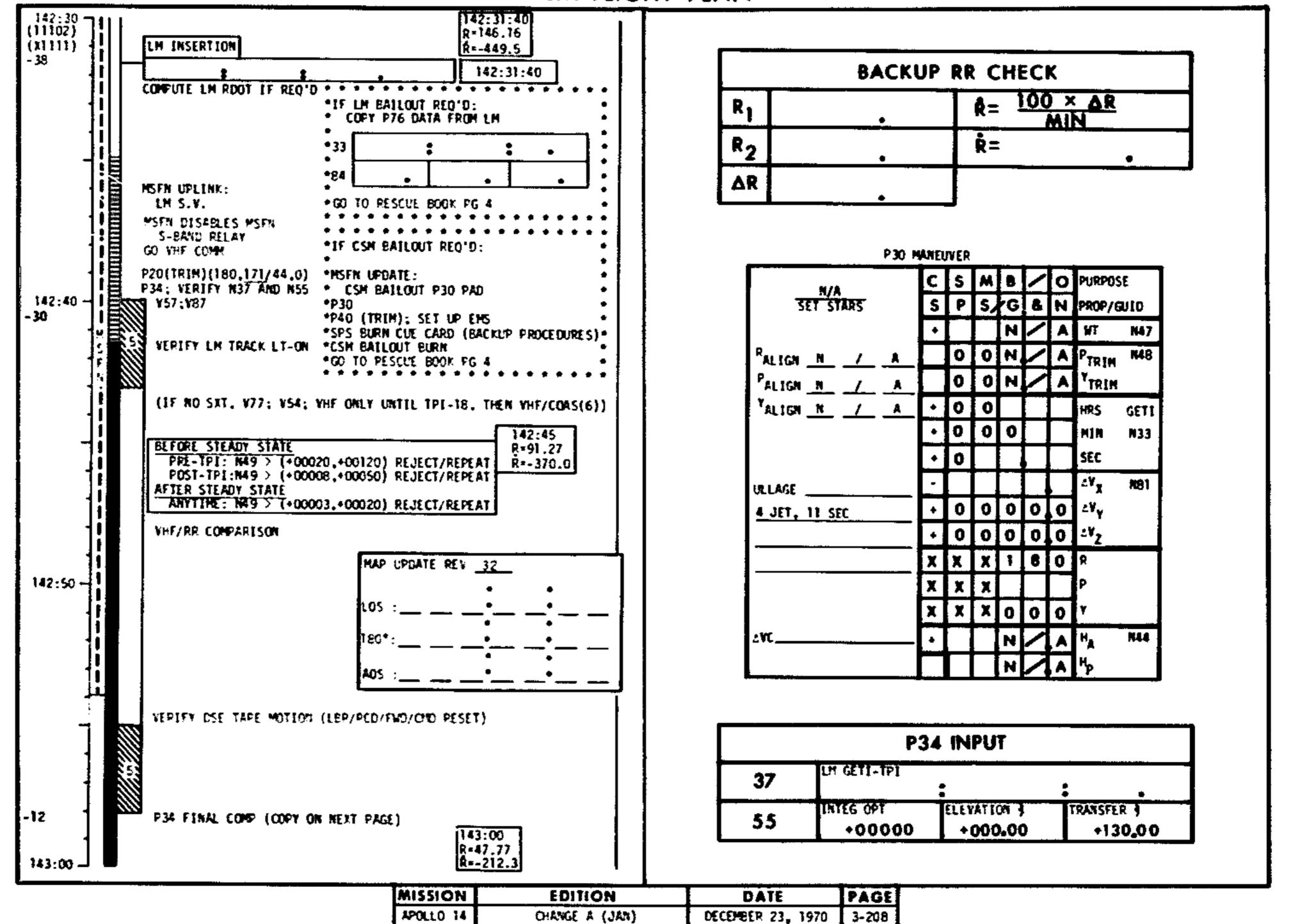


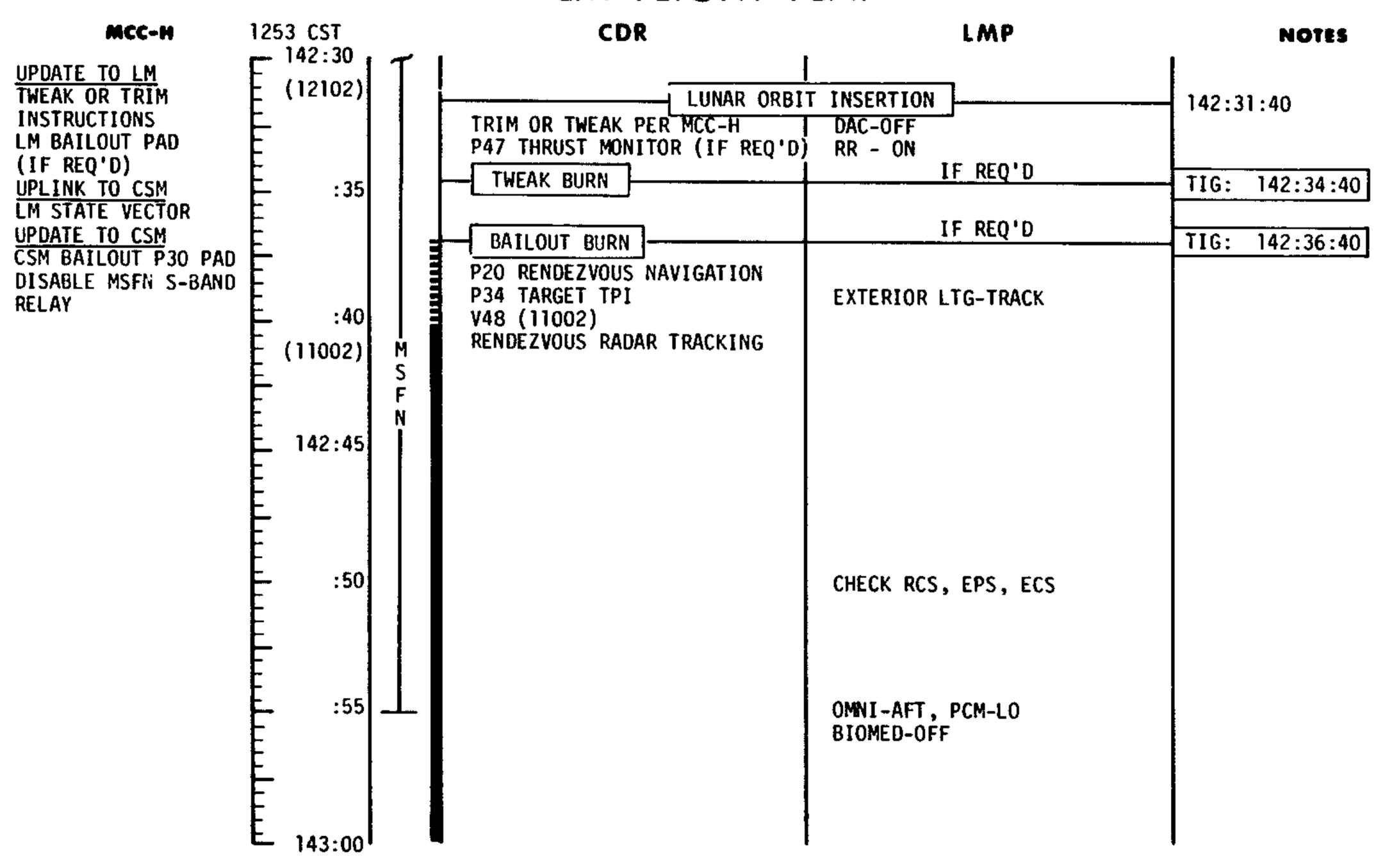
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	141:30 - 142:00	6/31	3-205



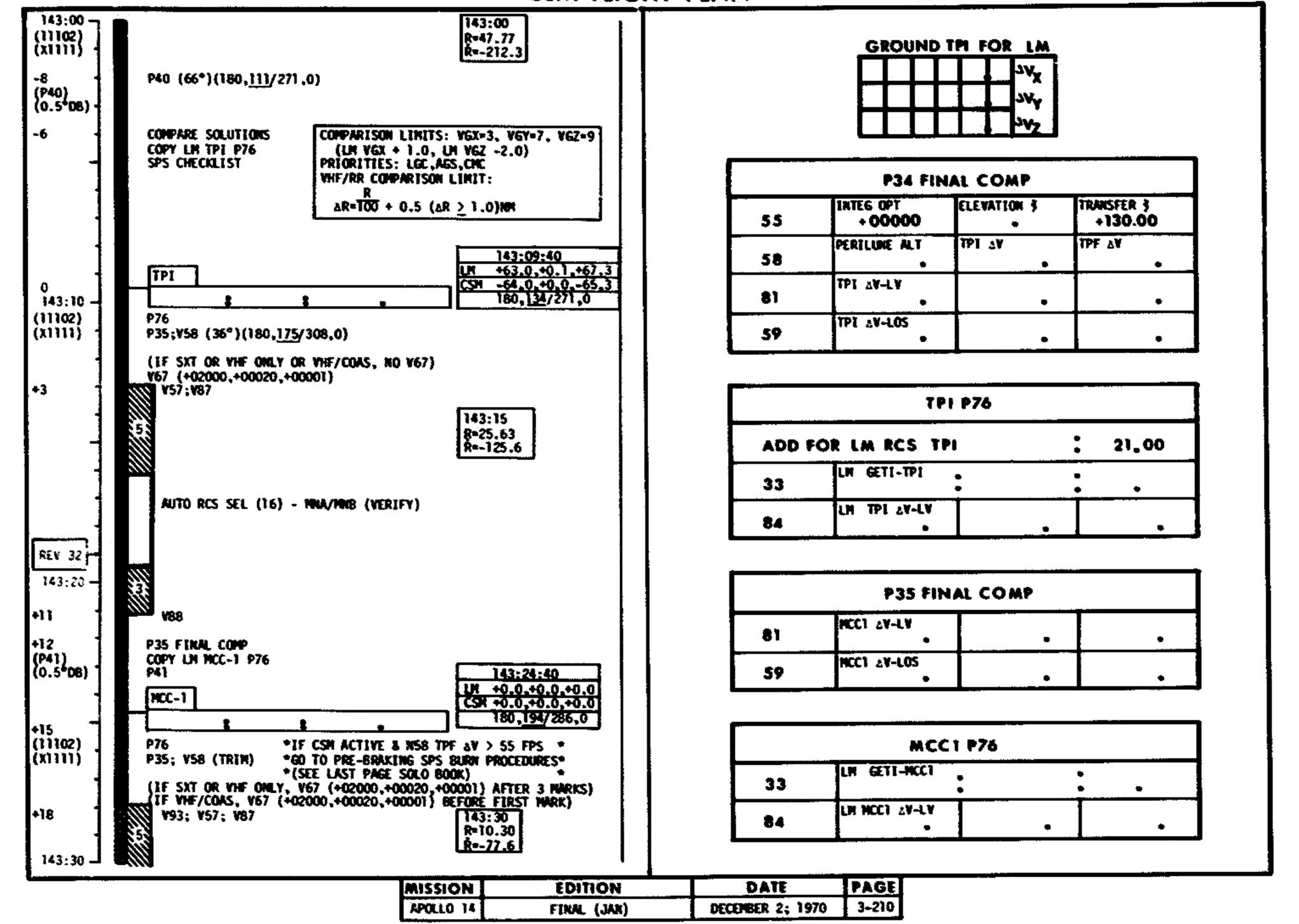


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	142:00 - 142:30	6/31	3-207





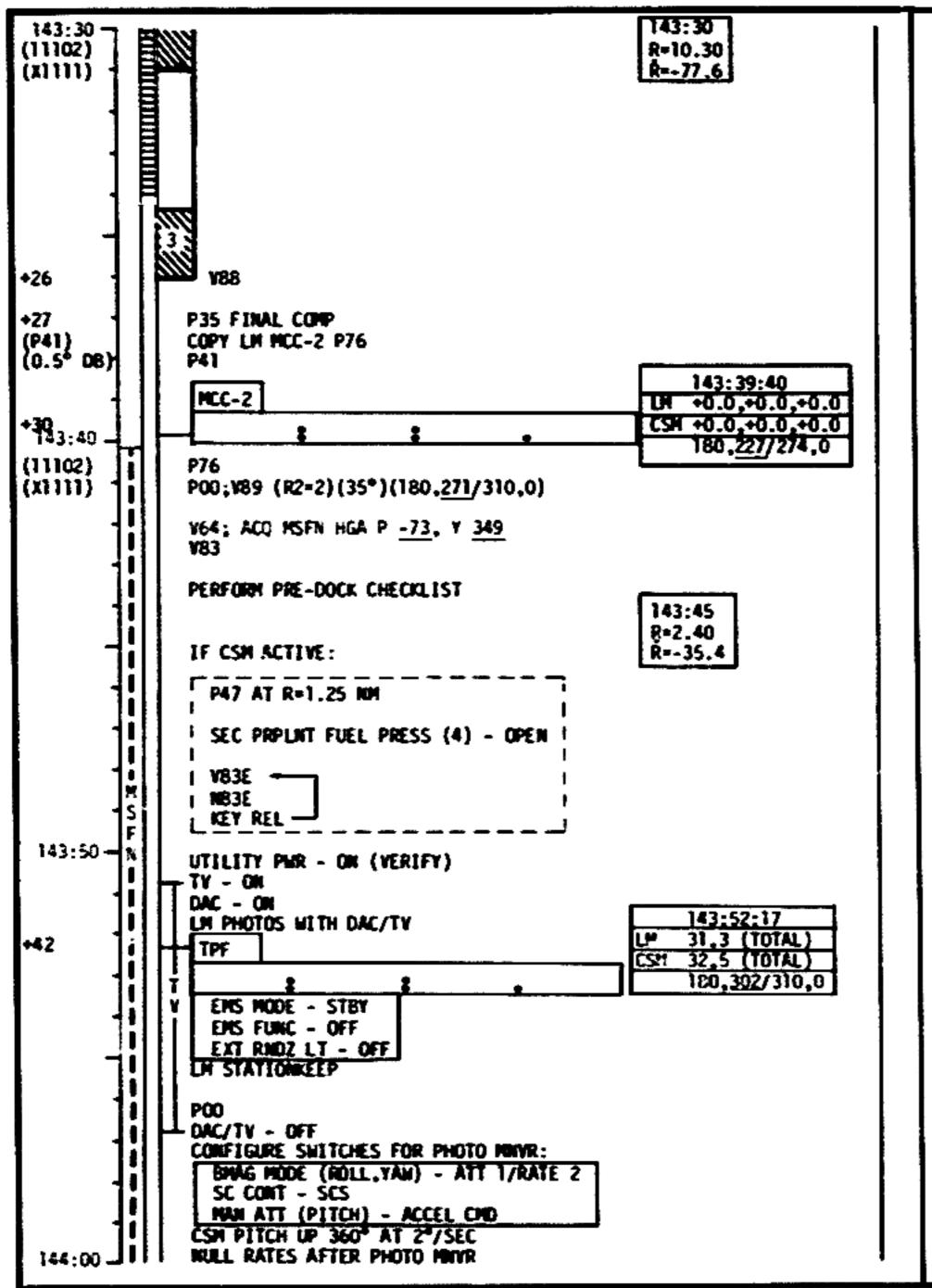
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	142:30 - 143:00	6/31	3-209



MCC-H

1323 CST LMP NOTES CDR 143:00 FINAL TPI COMPUTATION (11002)(12012)V48 (12012) :05 P42 APS THRUSTING LOAD AGS TPI EXTERNAL AV 143:09:40 TIG: MANUAL ULLAGE 4.0 SEC TPI :10 92.2 FPS ∆VT: ULLAGE:4 JET, 10 SEC **NULL RESIDUALS** ORBIT: 61.0x44.6 NM P35 TARGET MCC-1 RENDEZVOUS RADAR TRACKING 143:15 REV 32 FINAL MCC-1 COMPUTATION P41 RCS THRUSTING LOAD AGS MCC-1 EXTERNAL AV TIG: 143:24:40 MCC-1 :25 ∆VT: NOM ZERO NULL RESIDUALS P35 TARGET MCC-2 RENDEZVOUS RADAR TRACKING EXTERNAL LTG - OFF 143:30

MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	143:00 - 143:30	6/31-32	3-211



csa 705 5x7 -67.4 +0.5

P35 FINAL COMP				
81	MCCS :A-FA	•		
59	HCC2 44-FO2	•	•	

MCC2 P76				
33	TH CELI-HCCS		•	
84	LM MCC2 :V-LV	•	•	

#### PRE-DOCK CHECKLIST

LIMIT CYCLE - OFF (VERIFY)
ATT DB - MIN
RATE - LOU (VERIFY)
TRAIS CONTR PUR - ON (UP)
ROT CONTR PUR DIRECT (BOTH) - MNA/MNB
SC CONT - CMC (VERIFY)
CMC MODE - AUTO (VERIFY)
AUTO RCS SEL (16) - MNA/MNB (VERIFY)

MARI ATT (3) - RATE CHO (VERIFY)

CB DOCK PROBE (2) - CLOSED

PPOCE RETR (2) - OFF (VERIFY)

PROBE EXTD/REL - RETR

PROBE EXTD/REL TB (2) - GRAY (VERIFY)

(IF TB MOT GRAY, GO TO PG S/2-12, E)

CB SECS LOGIC (2) - CLOSED (VERIFY)

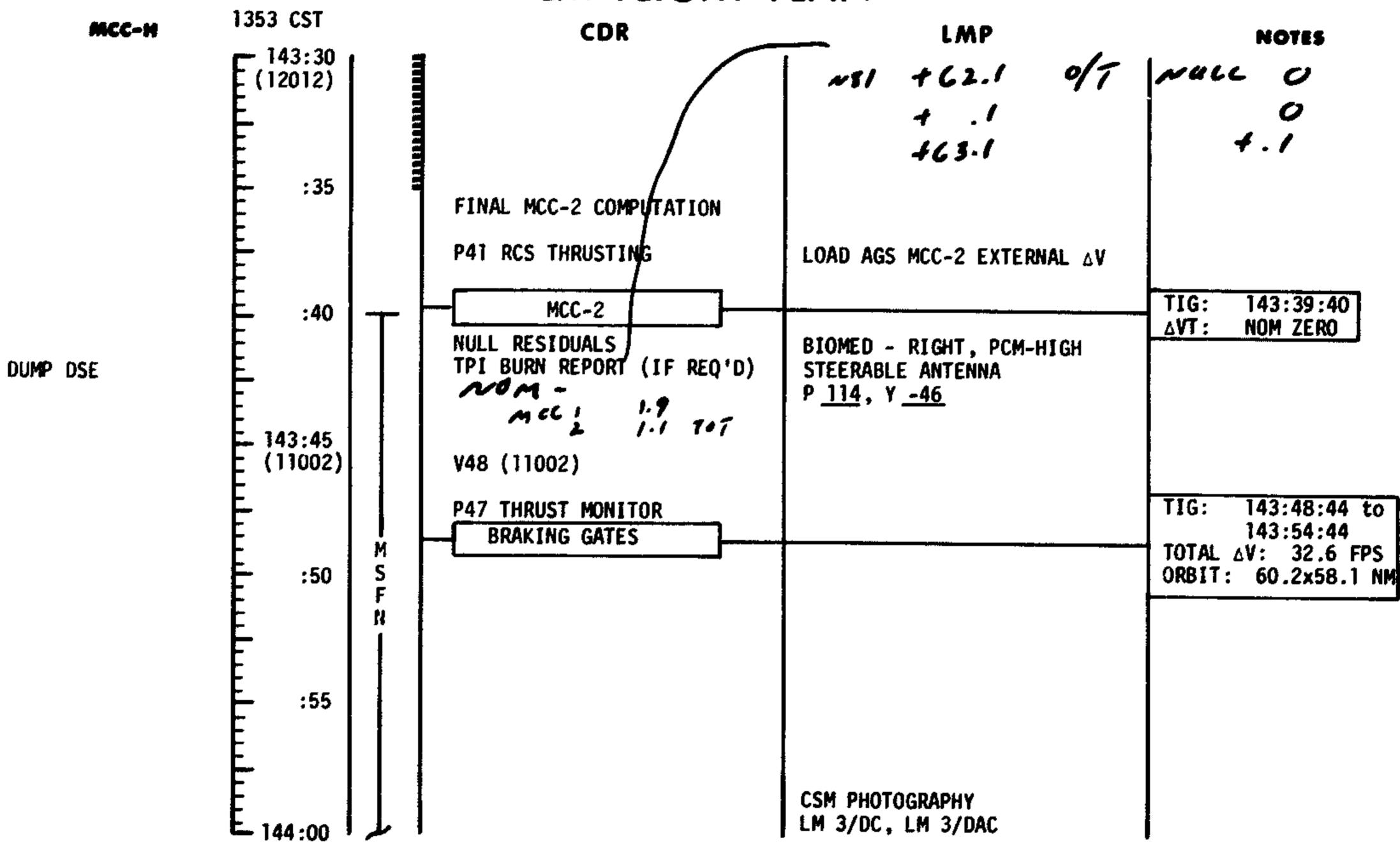
CB SECS ARM (2) - CLOSED

EXT LIGHTS RUM/EVA - ON (UP) (VERIFY)

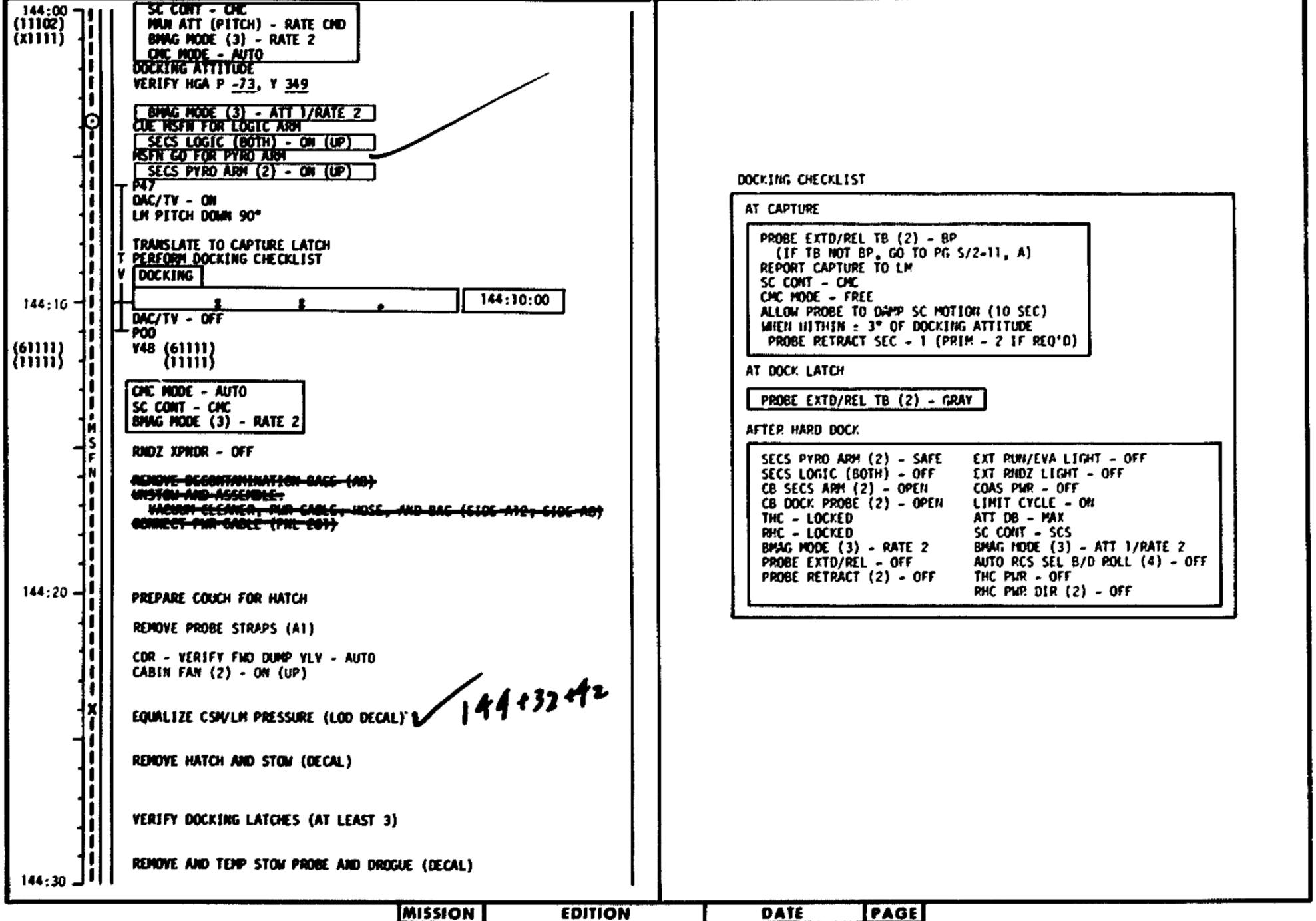
COAS PUR - ON (UP) (VERIFY)

	BRAKING (	EATES	
R.MET	R.FPS	RETICLE ANG,DEG	R,FT
1,50	45	.00	9000
1.00	30	.13	6000
.50	20	.26	3000
_25	10	.54	1500
.08	5	1.60	500
.05		2.70	300
_03		4.00	200
-02		8.50	100

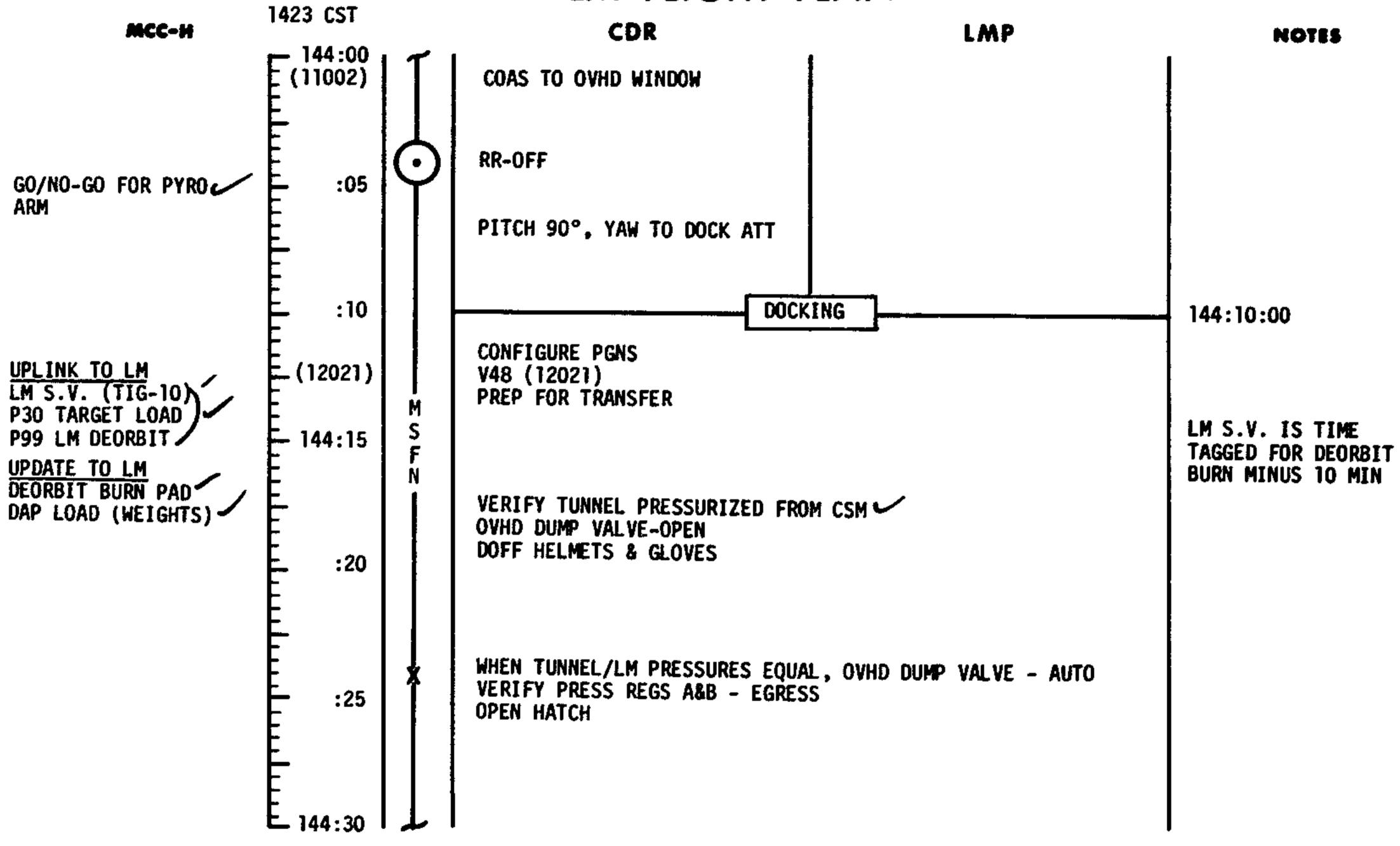
MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	3-212



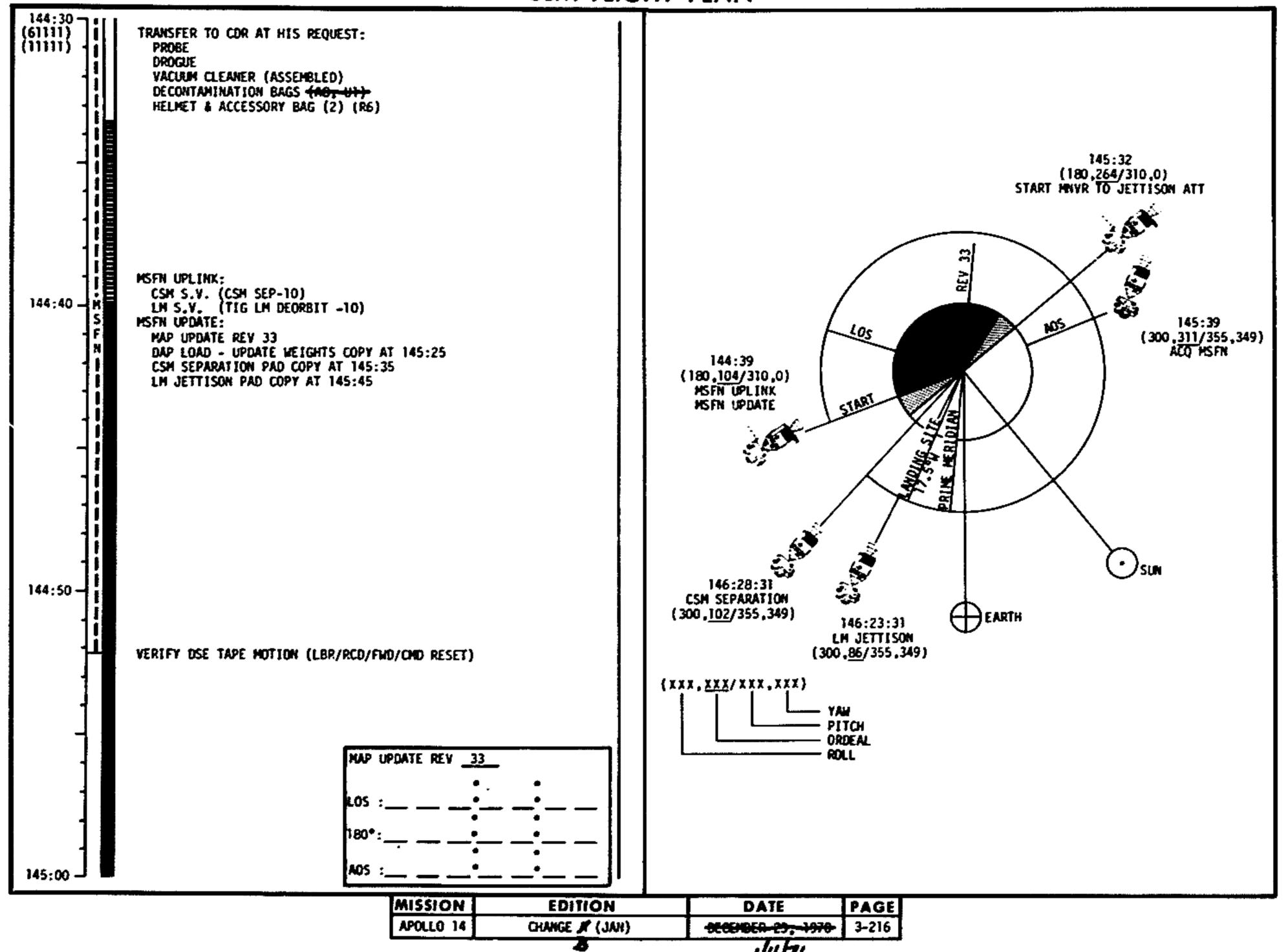
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	143:30 - 144:00	6/32	3-213

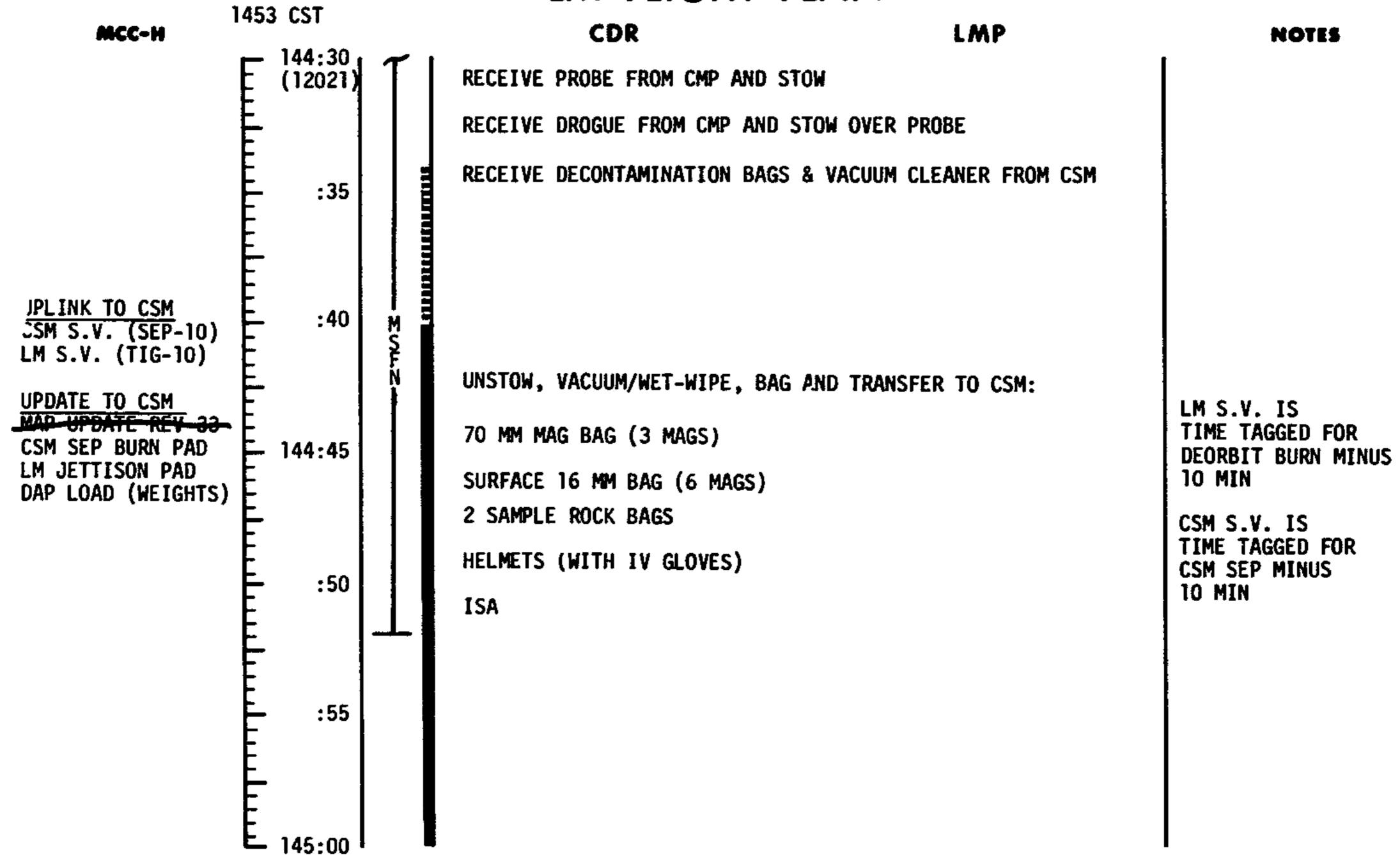


MISSION	EDITION	DATE	PAGE
APOLLO 14	FINAL (JAN)	OCCEMBER 2, 1970	3-214
	CHANGE 3	ודןוין ו	

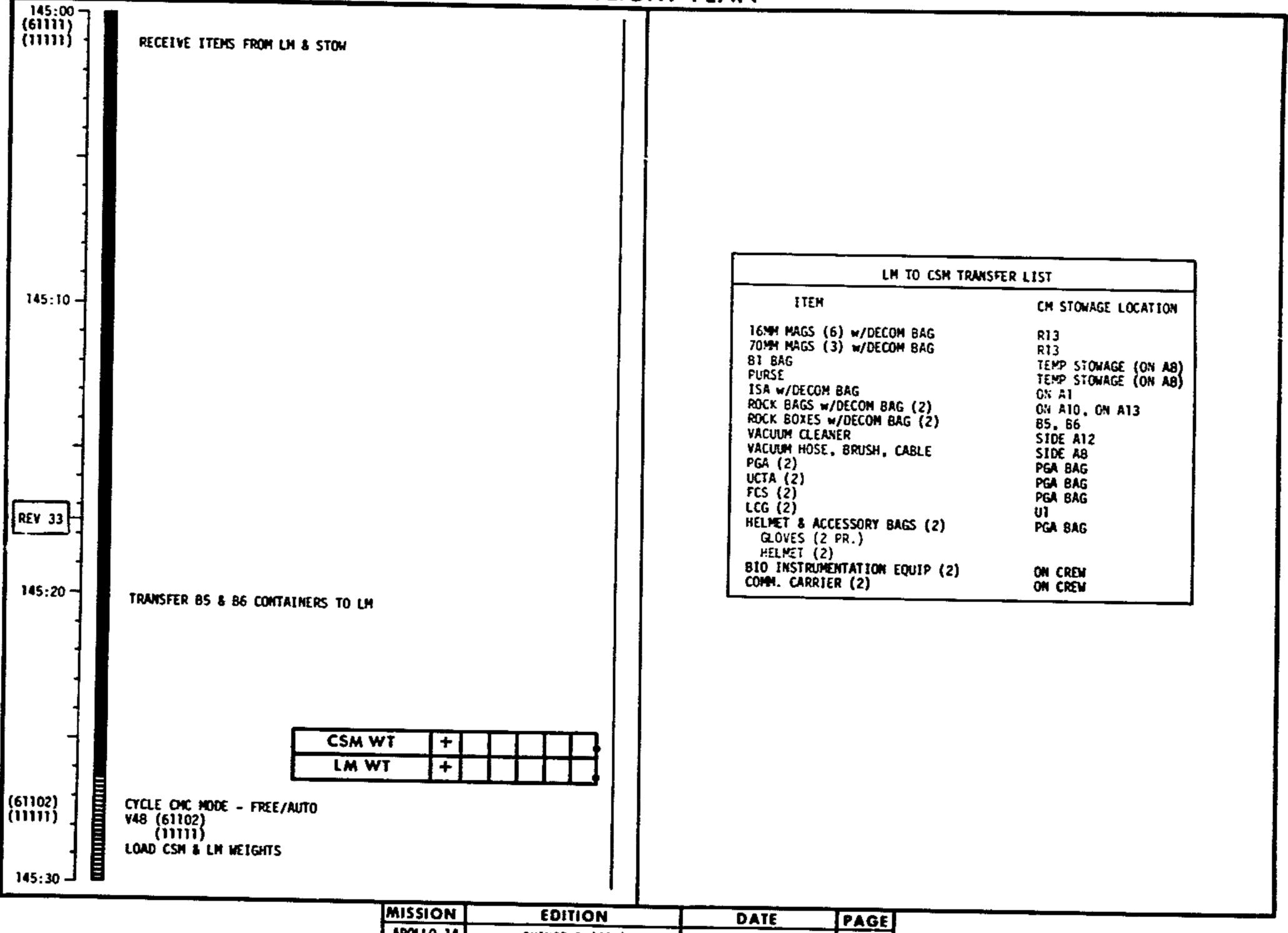


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	144:00 - 144:30	6/32	3-215





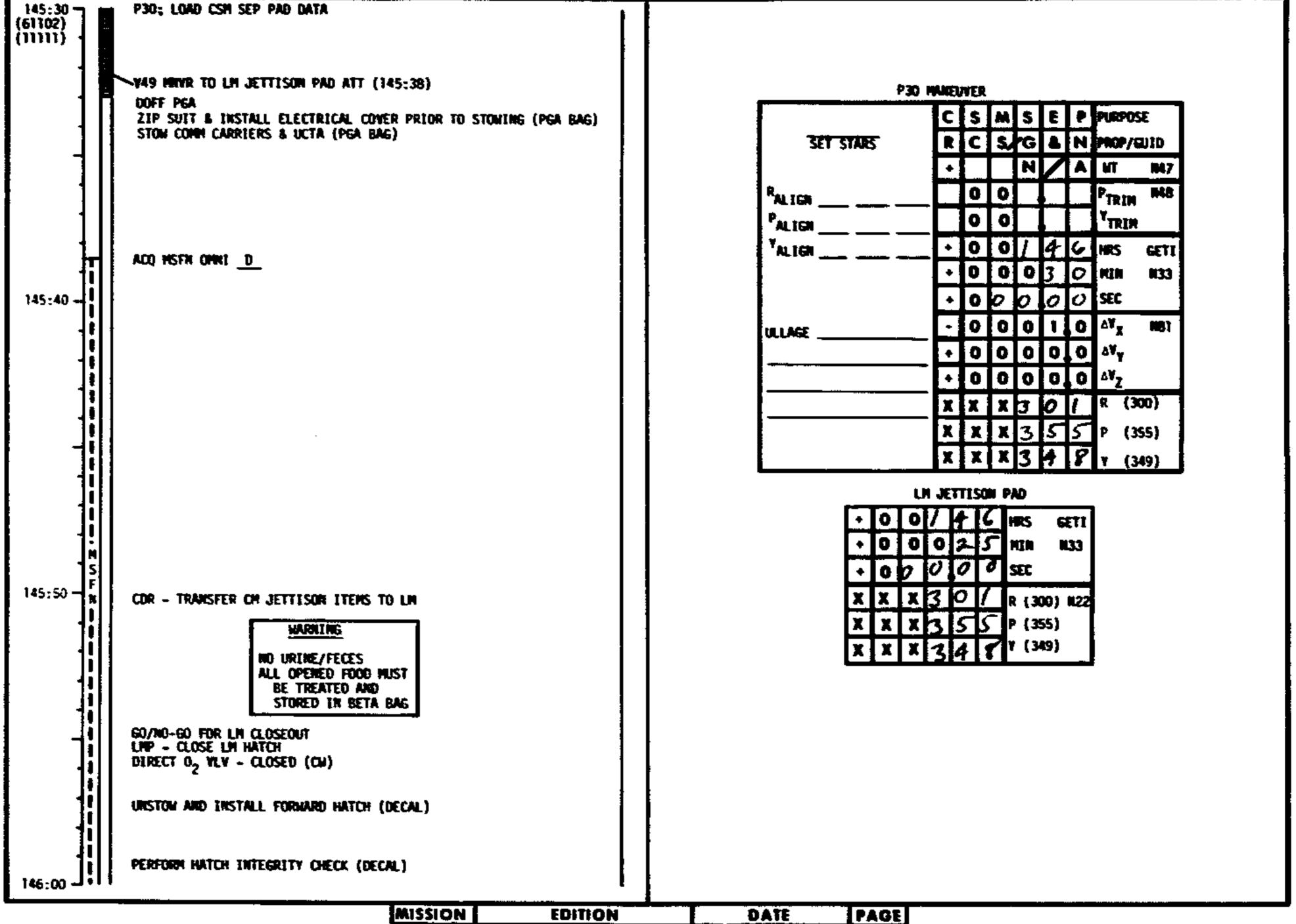
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	144:30 - 145:00	6/32	3-217



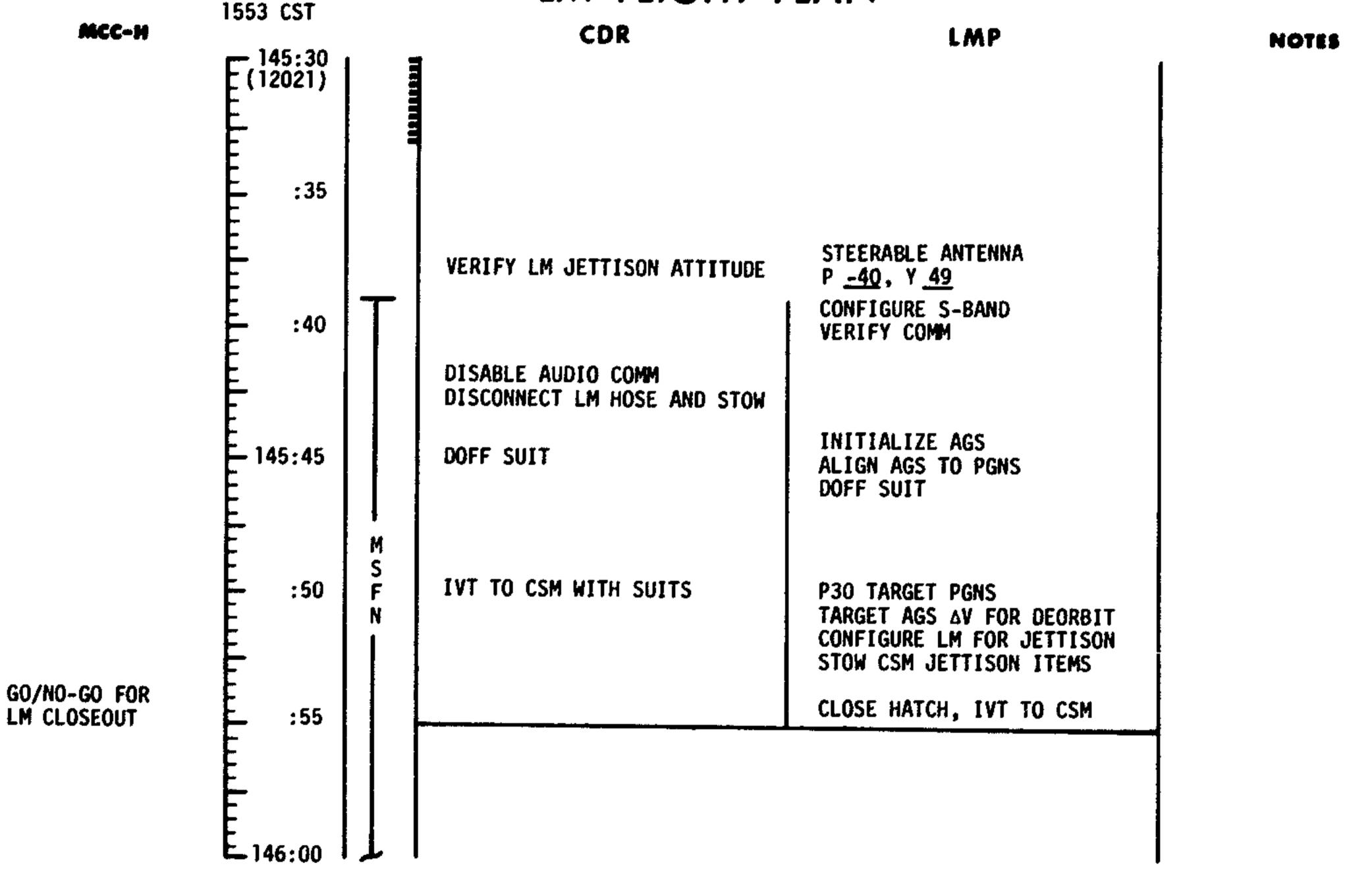
MISSION	EDITION	DATE	PAGE
APOLLO 14	CHANGE B (JAN)	JANUARY 11, 1971	

1523 CST LMP CDR MCC-H NOTES 145:00 (12021) :05 :10 UNSTOW SRC'S, VACUUM AND BAG, TRANSFER TO CSM . 145:15 RECEIVE B5 & B6 FROM CMP AND STOW IN SRC RACK VACUUM PGA'S :20 TRANSFER VACUUM CLEANER TO CSM :25

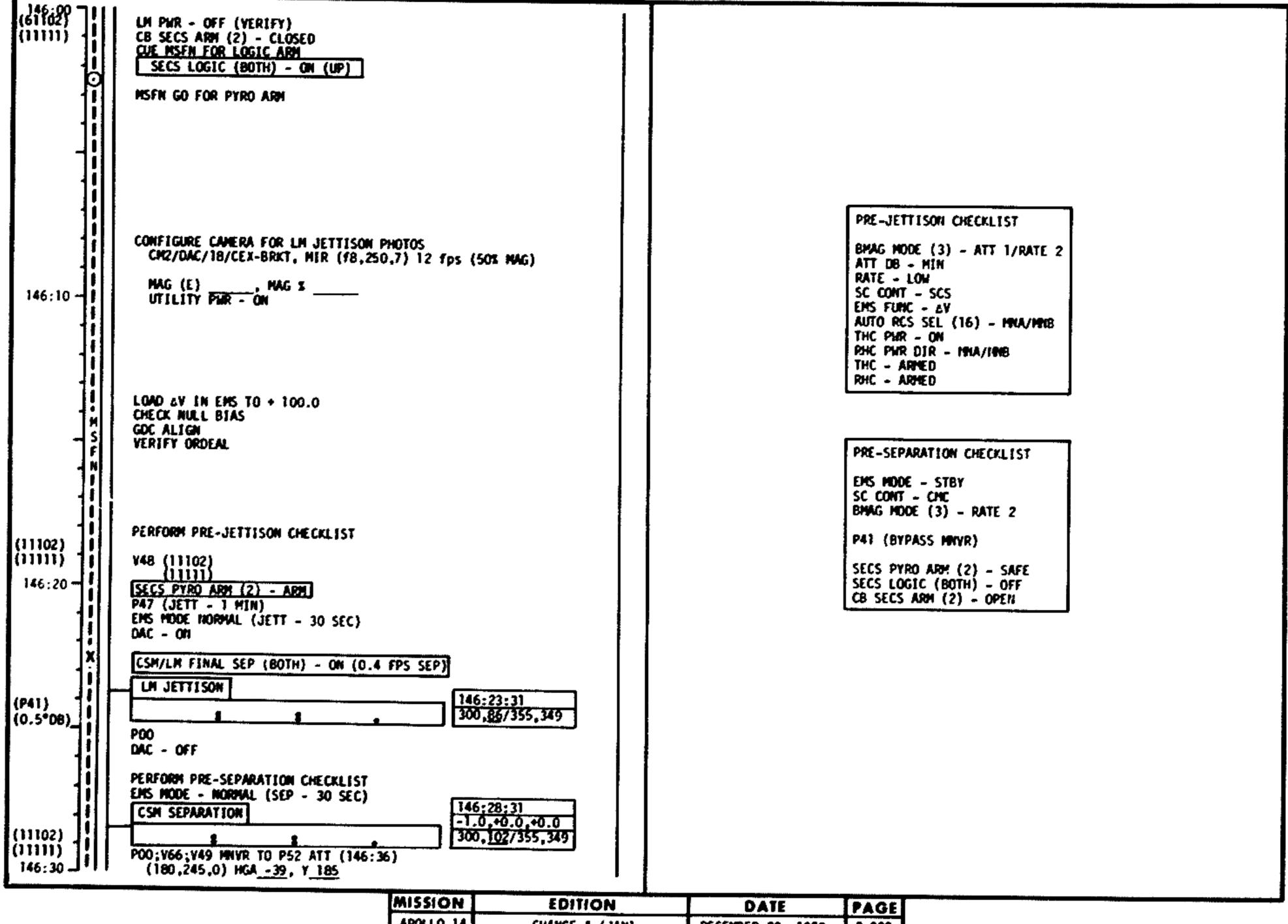
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	145:00 - 145:30	6/32-33	3-219



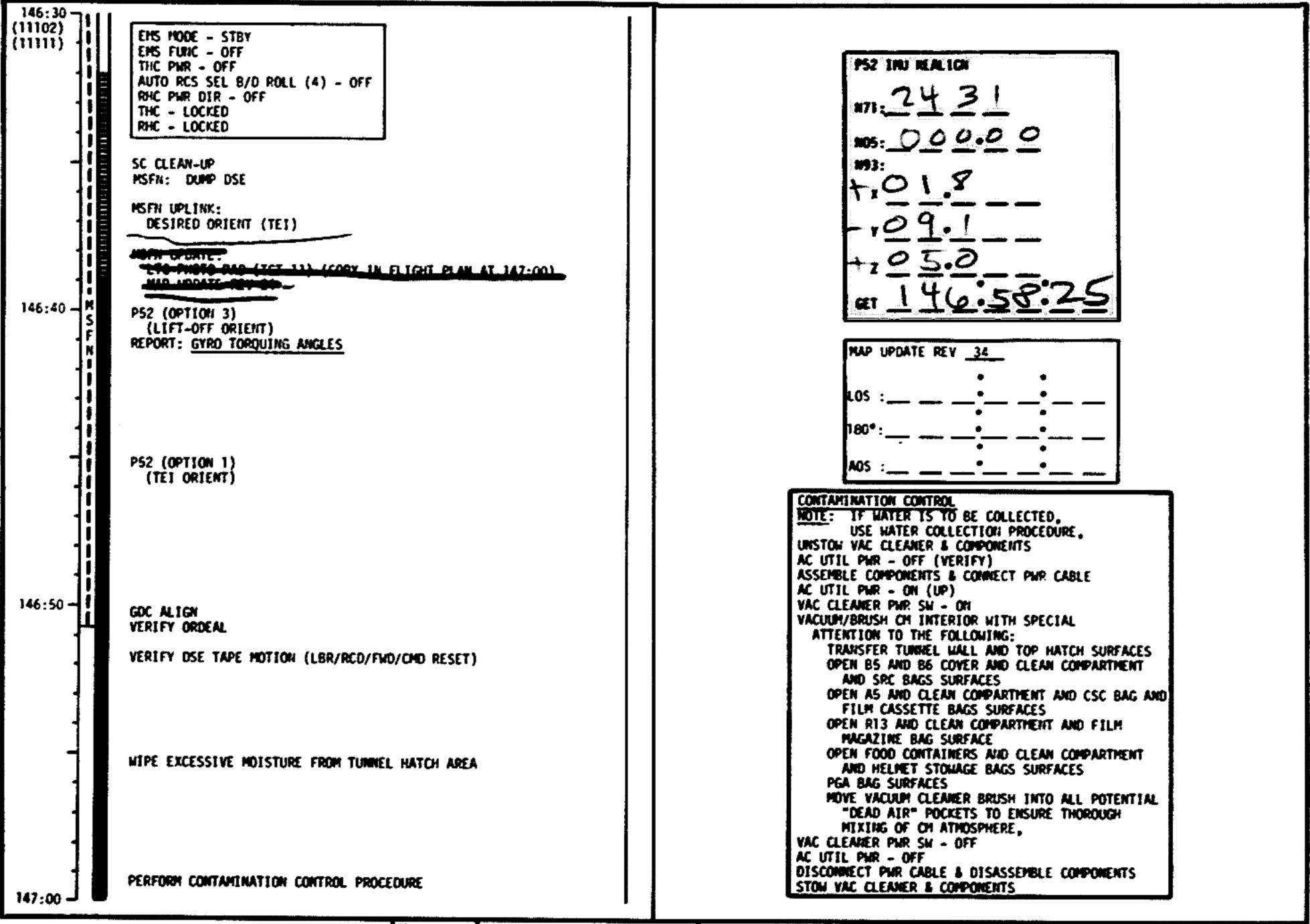
	MISSION	EDITION	DATE	PAGE
i	APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	3-220



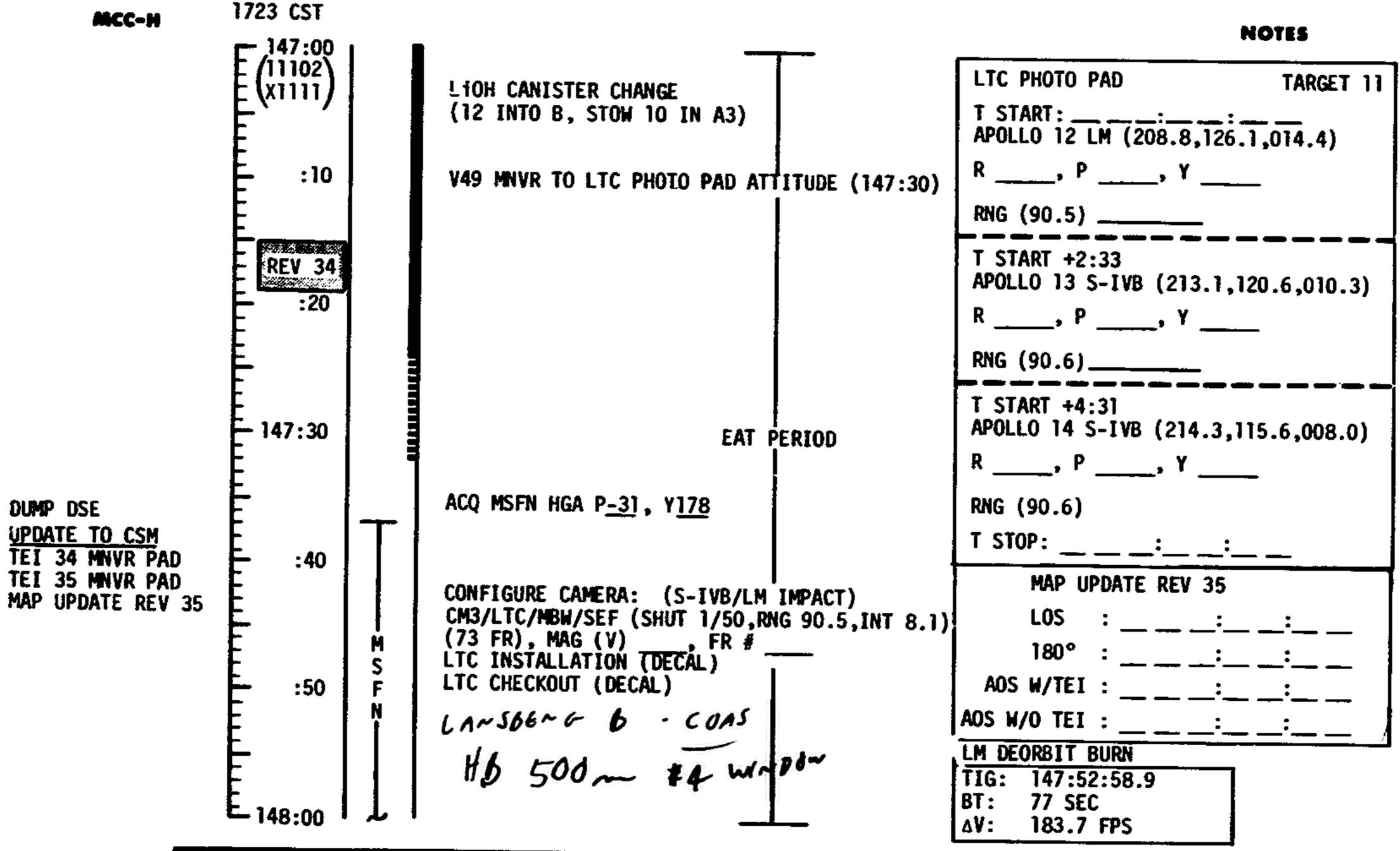
MISSION	EDITION	DATE	TIME	DAY/REV	FAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	145:30 - 146:00	6/33	3-221



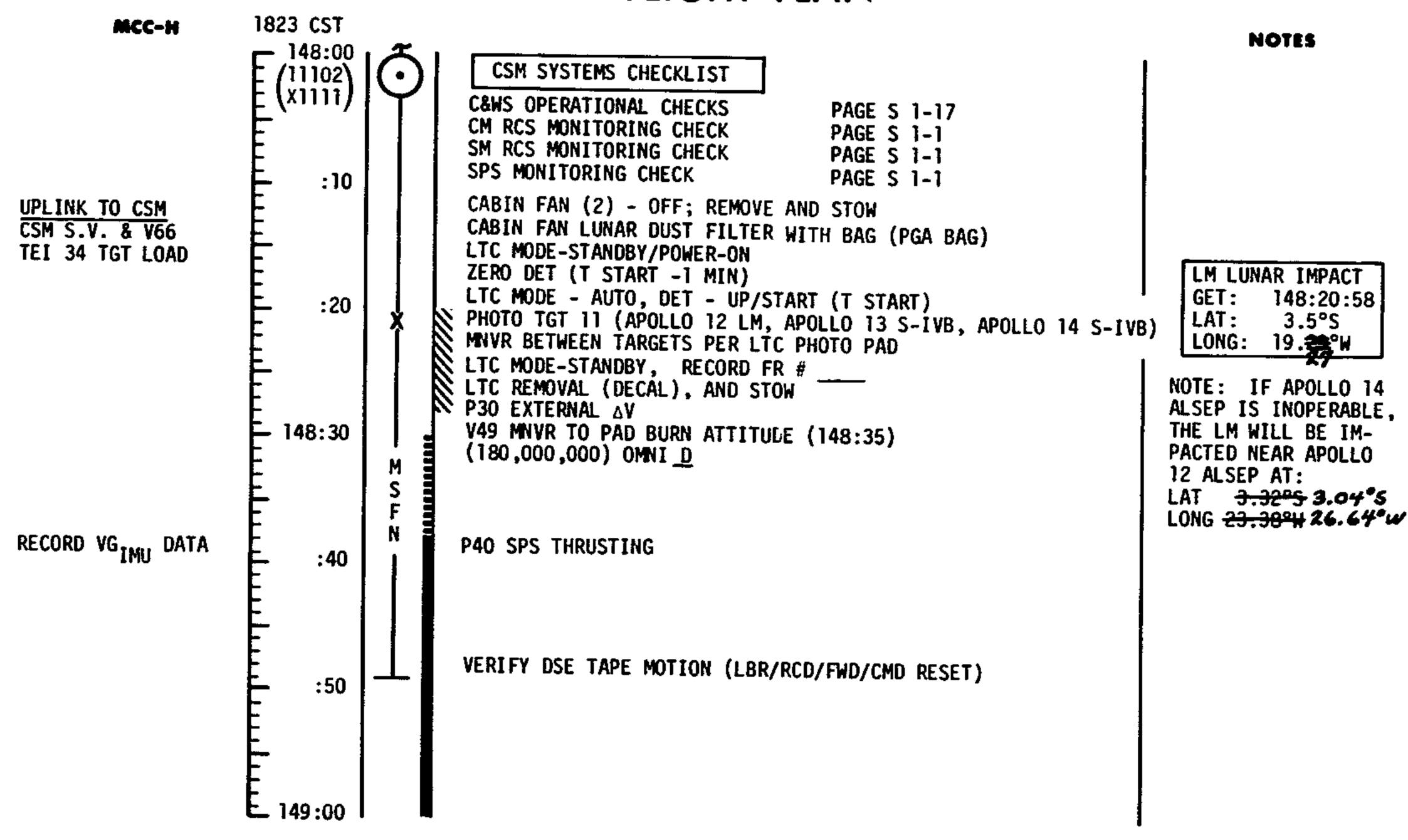
MISSION	EDITION	DATE	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	3-222



MISSION	EDITION	DATE	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	3-223



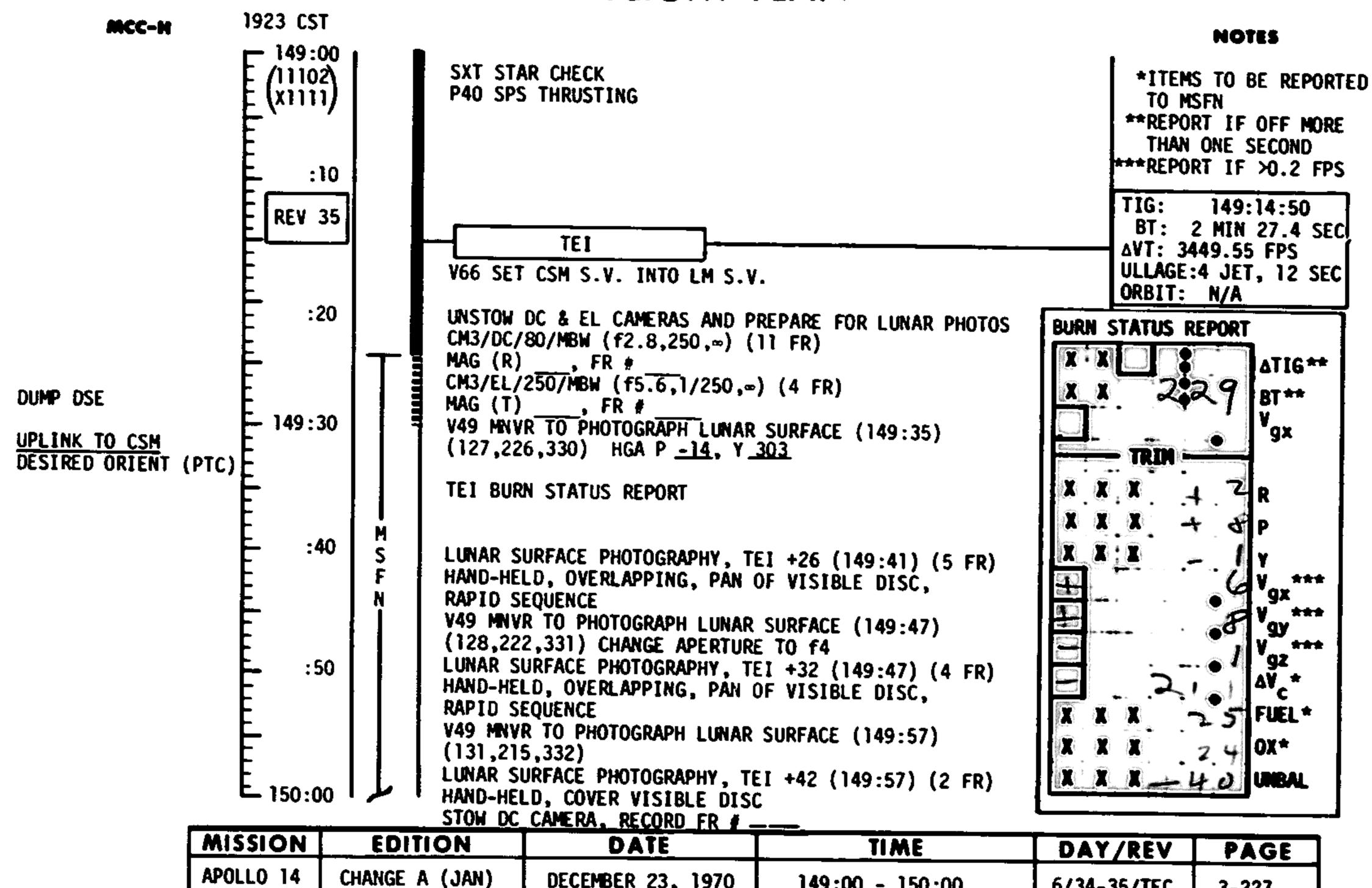
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	147:00 - 148:00	6/33-34	3-224



MISSION	EDITION	DATE 1/11/7/	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE & (JAN)	DECEMBER 23, 1970	148:00 - 149:00	6/34	3-225

TEI BURN TABLE

P OR Y	ATT	SHUTDOWN TIME		DECTOUR C
RATES	DEVIATION	UNDERBURN	OVERBURN	RESIDUALS
10°/SEC COMPLETE	+10° COMPLETE	FOR G&N C/O >3 SEC EARLY & AVC >+50 FPS SWITCH TO SCS AUTO & RESTART SPS	BT + 2 SEC & ΔVC = -40 FPS	TRIM X AND Z AXIS TO 0.2 FPS



DECEMBER 23, 1970

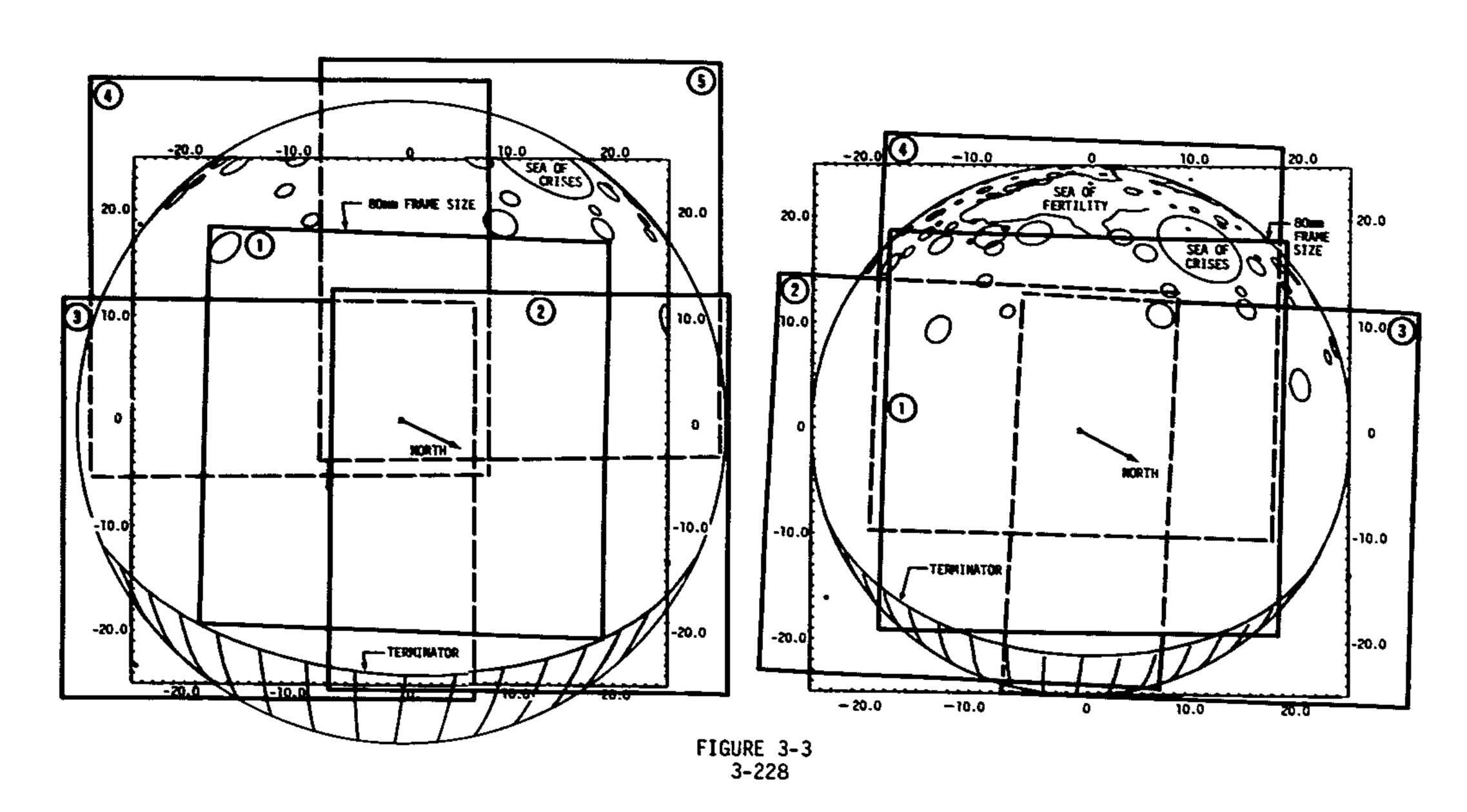
149:00 - 150:00

6/34-35/TEC

3-227

### POST-TEI PHOTO SEQUENCE

TEI + 26 MIN TEI + 32 MIN



## POST-TEI PHOTO SEQUENCE

TEI + 42 MIN

(TWO PHOTOS, CENTER LUNAR DISC IN FRAME)

TEI + 1 HR

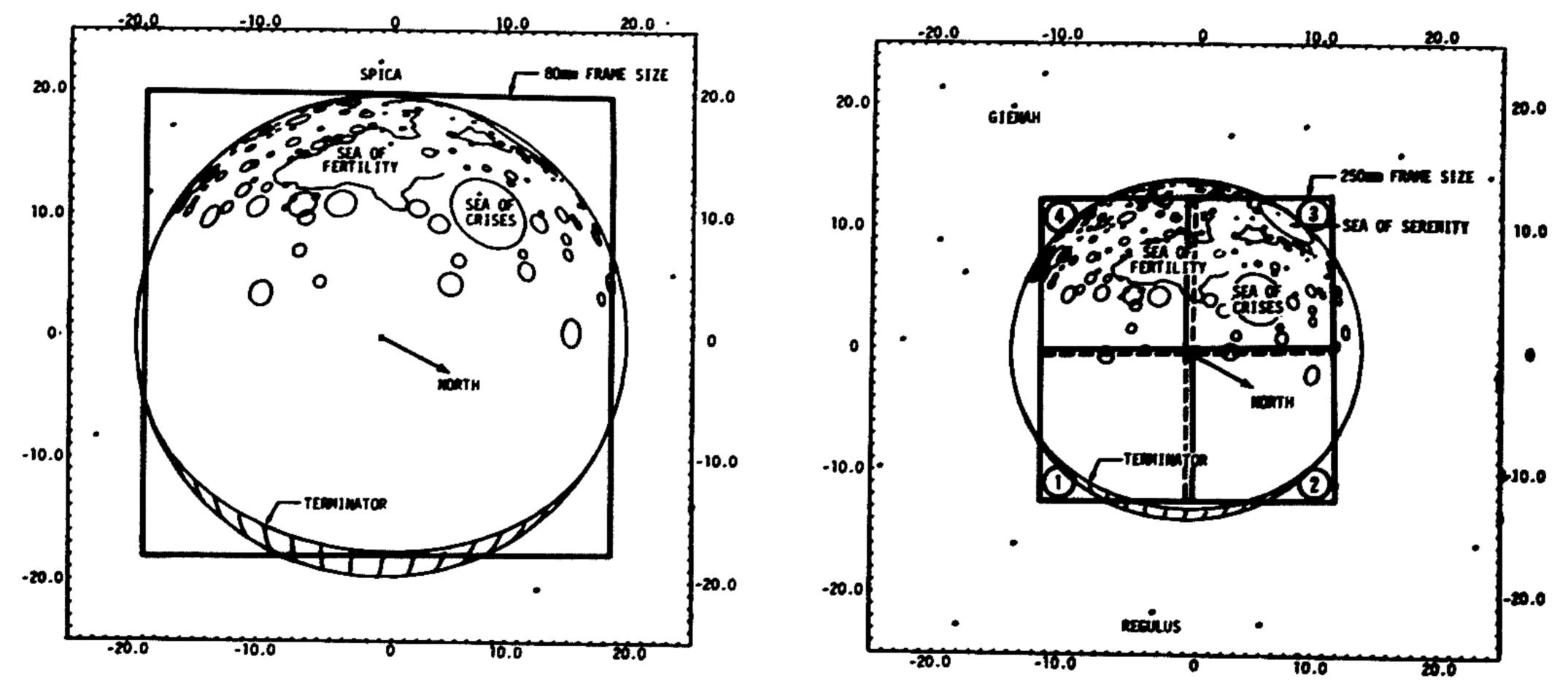
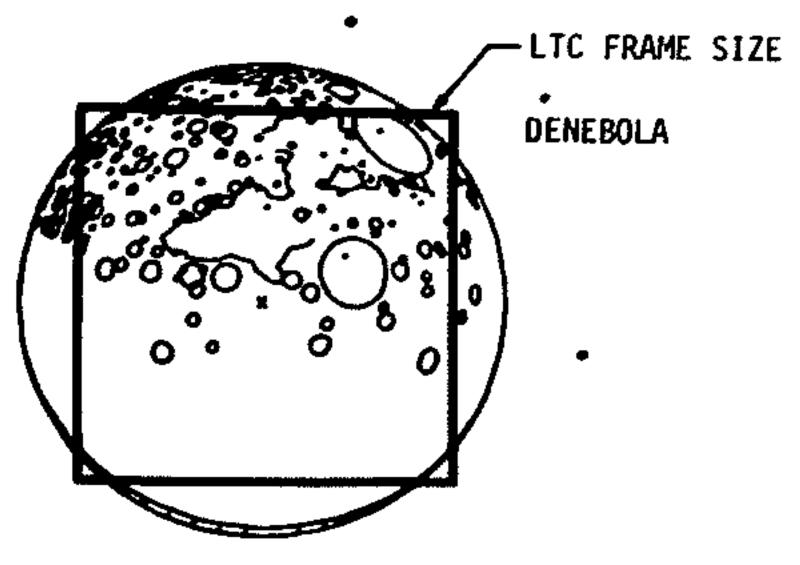


FIGURE 3-4 3-229

# POST-TEI PHOTO SEQUENCE

TEI+ 01:40



REGULUS

REGULUS

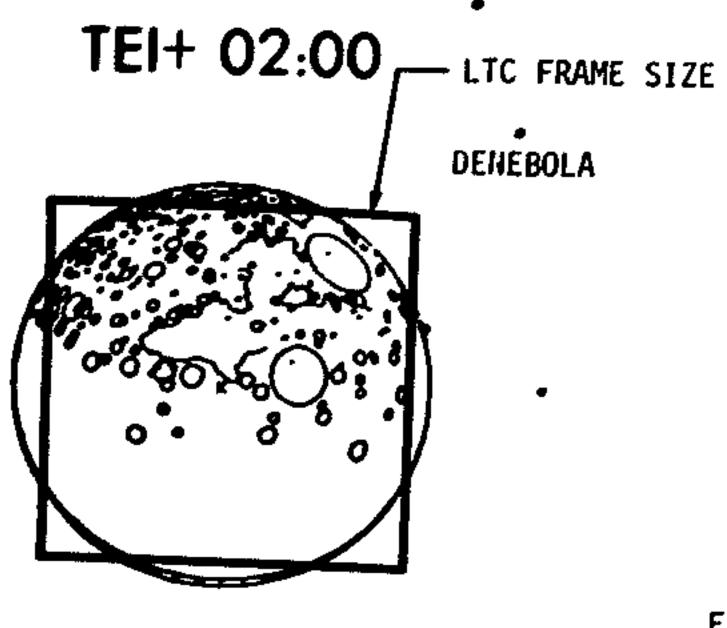
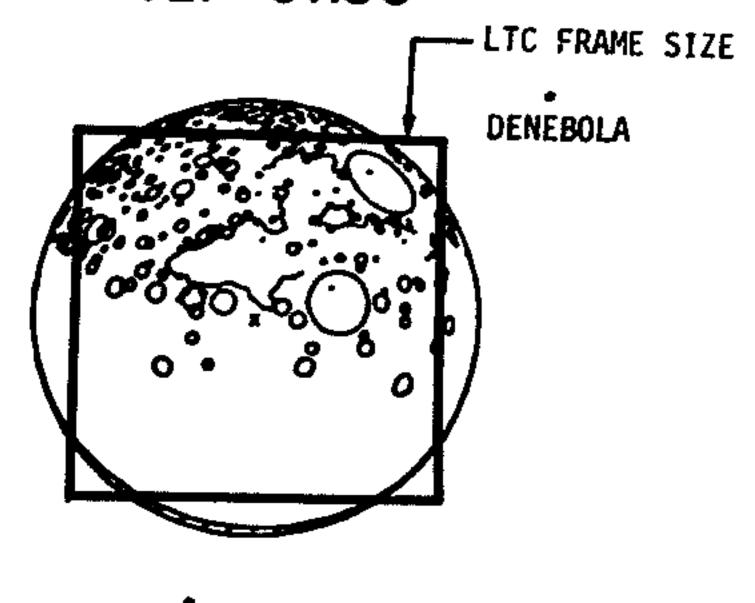
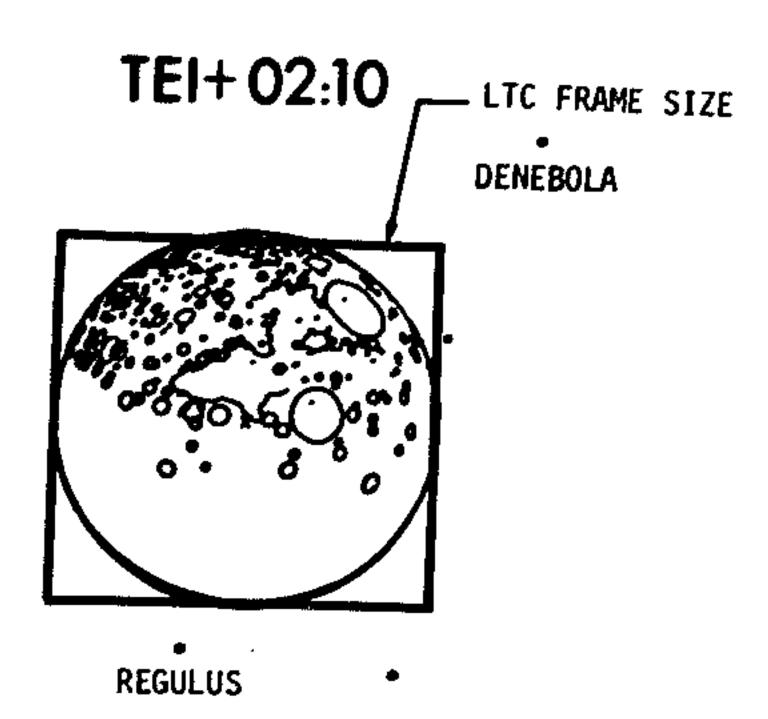
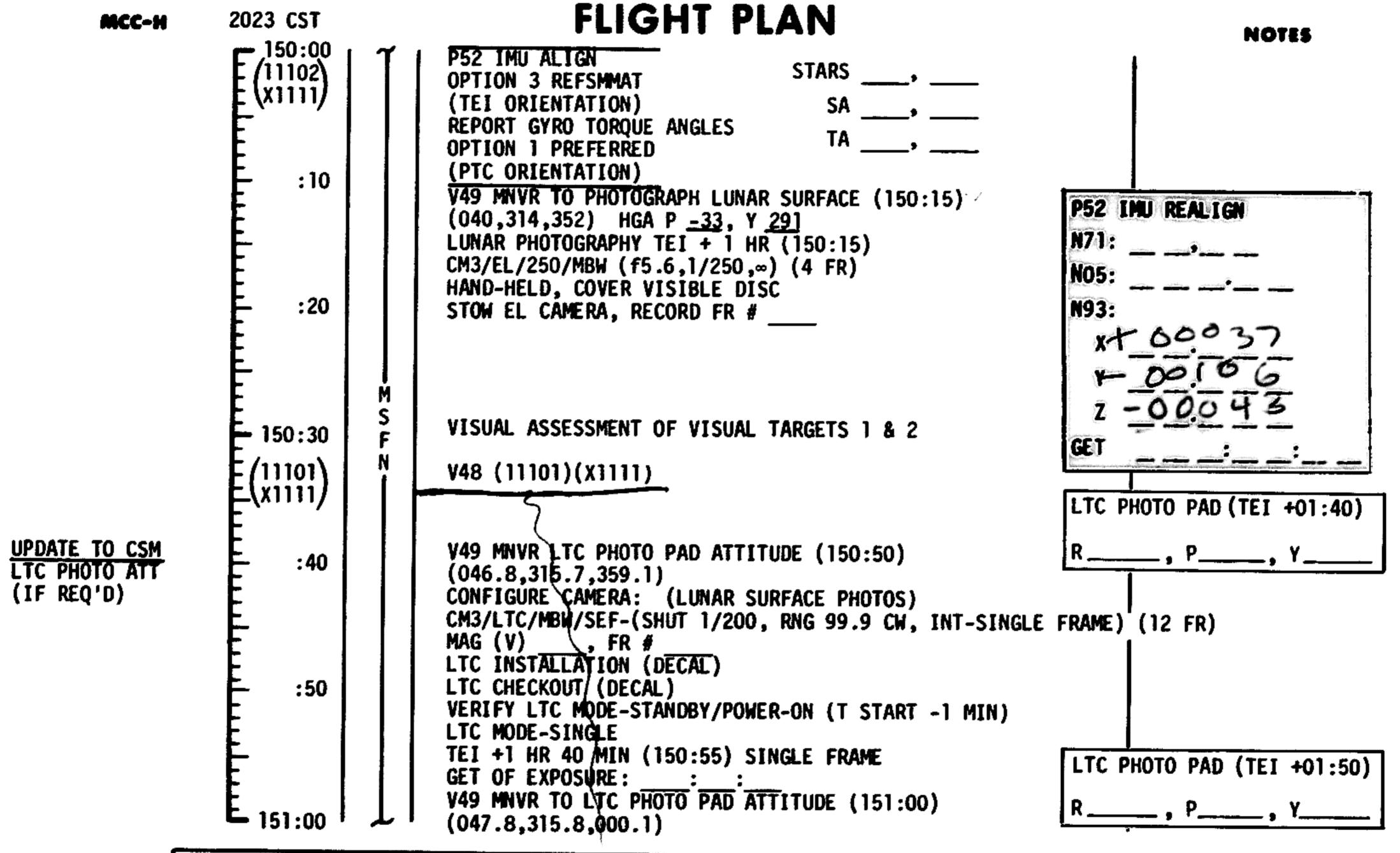


FIGURE 3-5 3-230

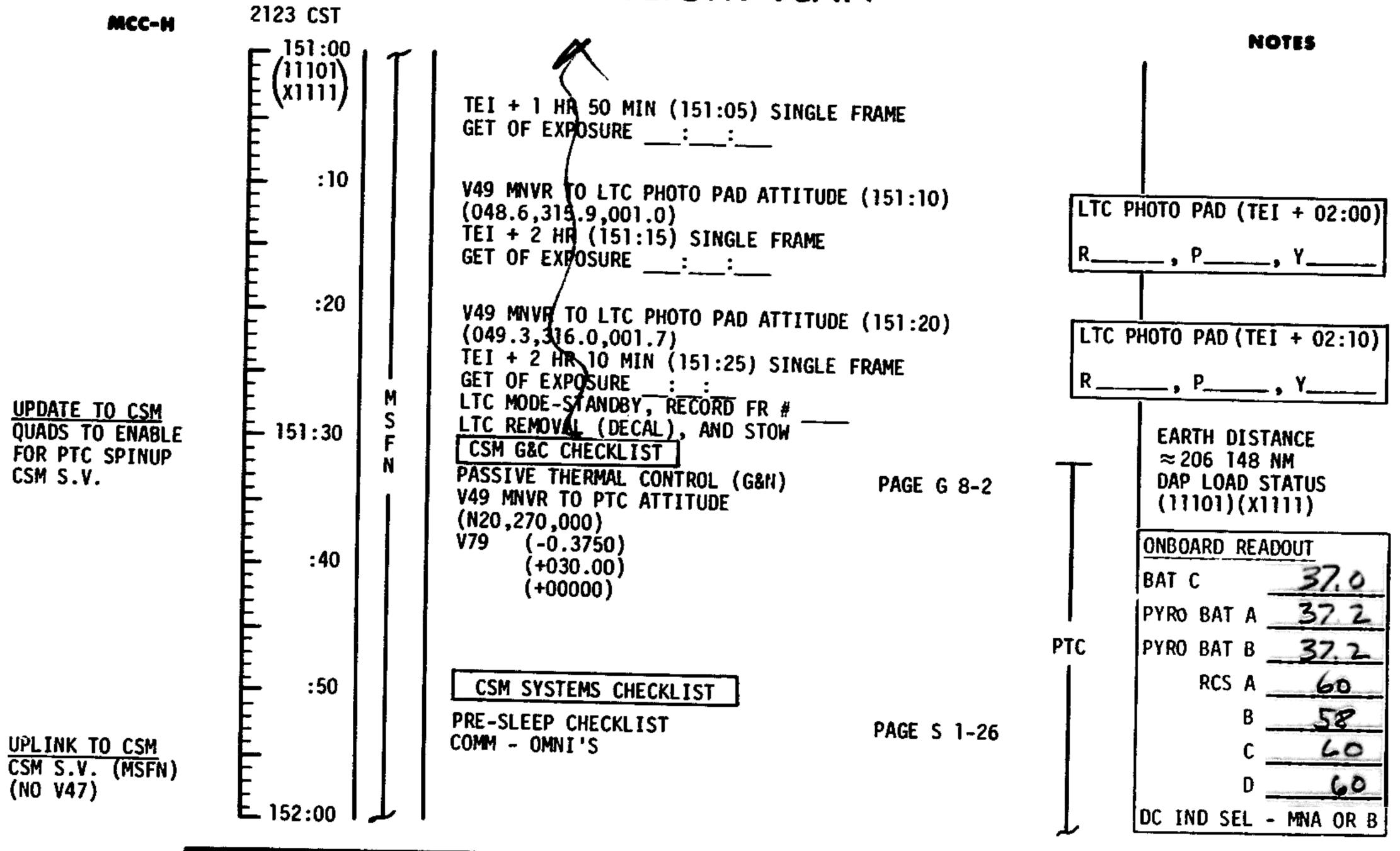


REGULUS

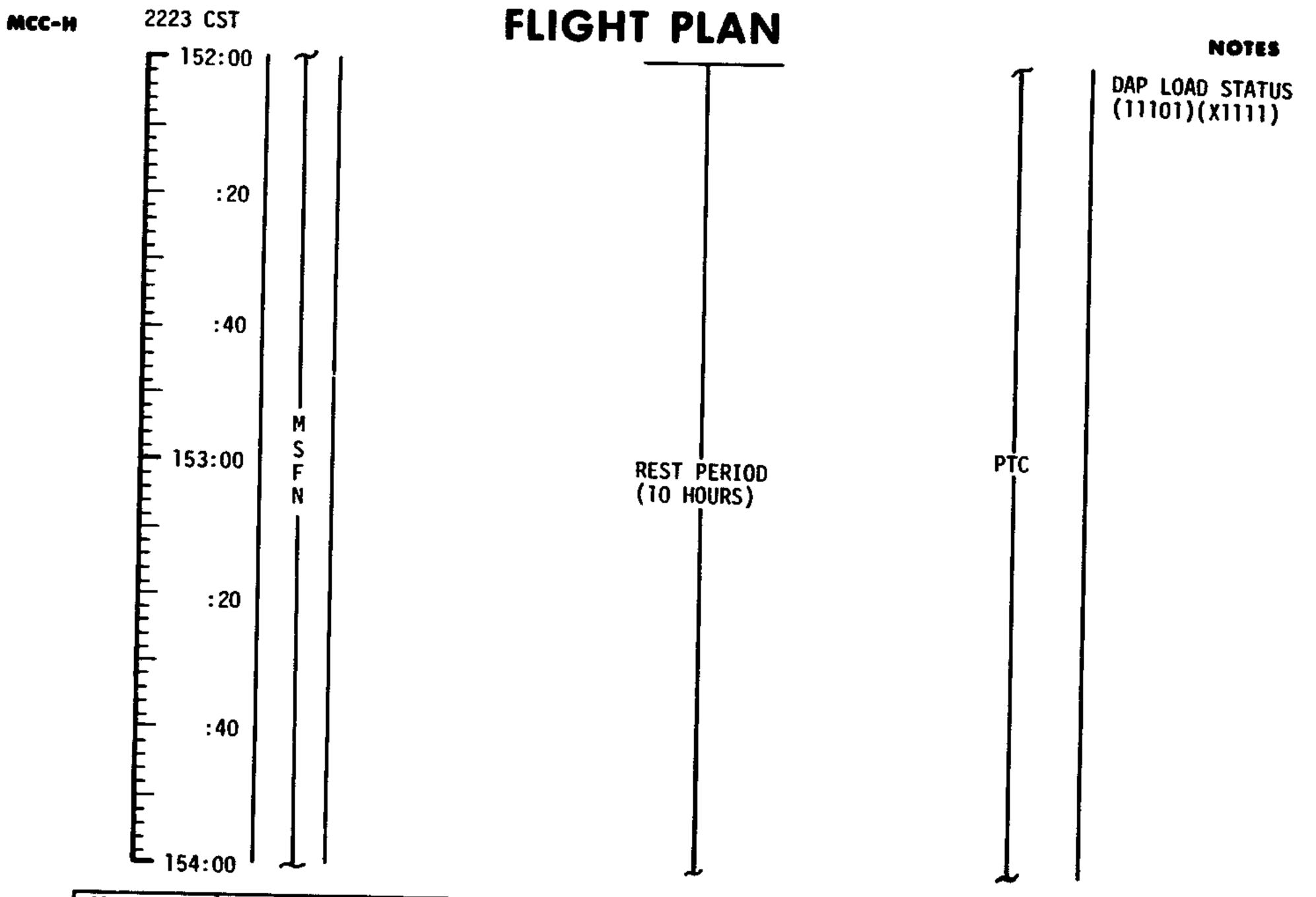




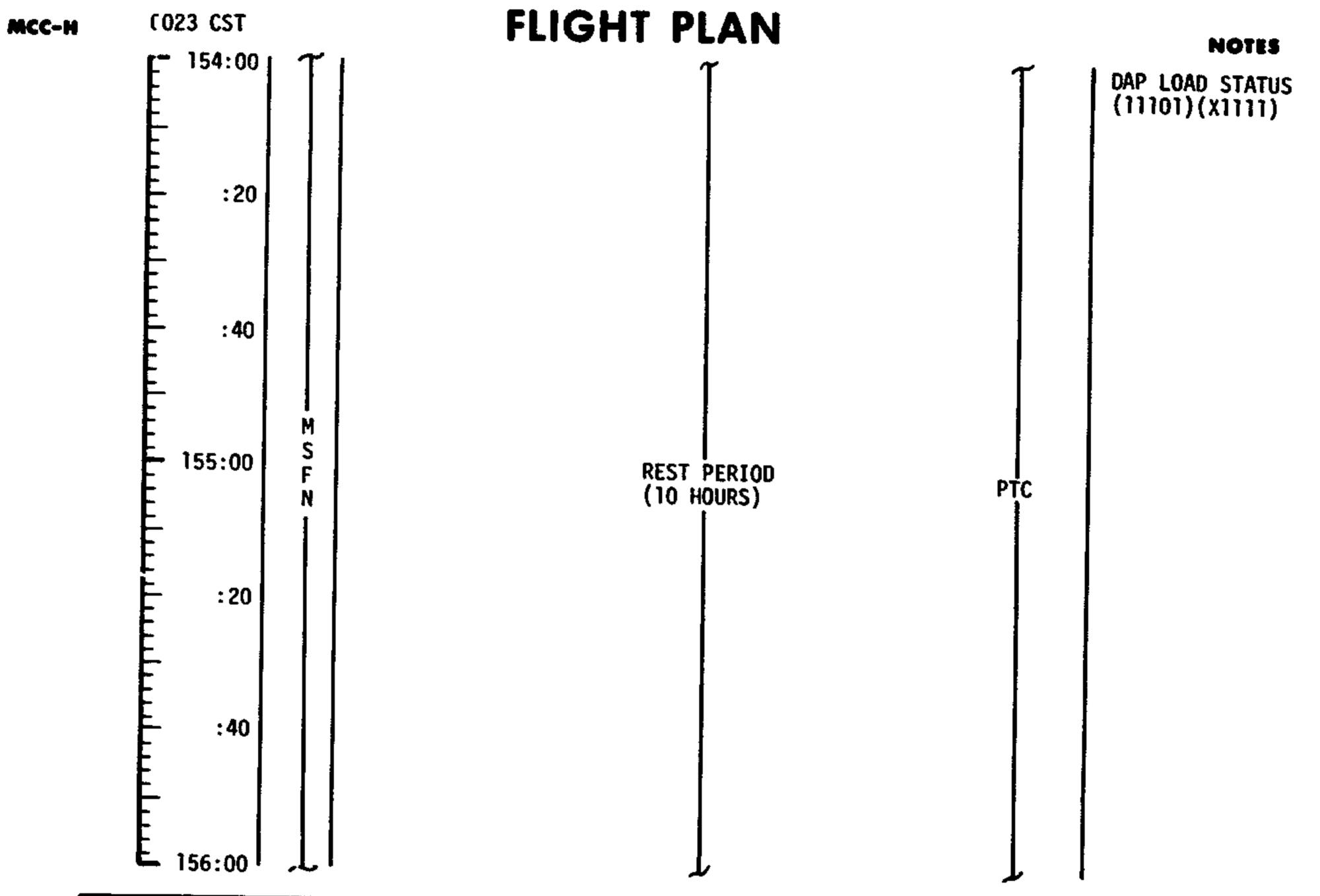
MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	150:00 - 151:00	6/TEC	3-231
### Farm 00	-				



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	CHANGE A (JAN)	DECEMBER 23, 1970	151:00 - 152:00	6/TEC	3-232
MSC FORM 809	B (APRIL 1970) OT			0/120	34.32



MISSION	EDITION	DATE	TIME	DAY/REV	0406
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	152:00 - 154:00	6/TEC	PAGE
MSC Form 29 (Ma	v 601			U/ IEC	3-233

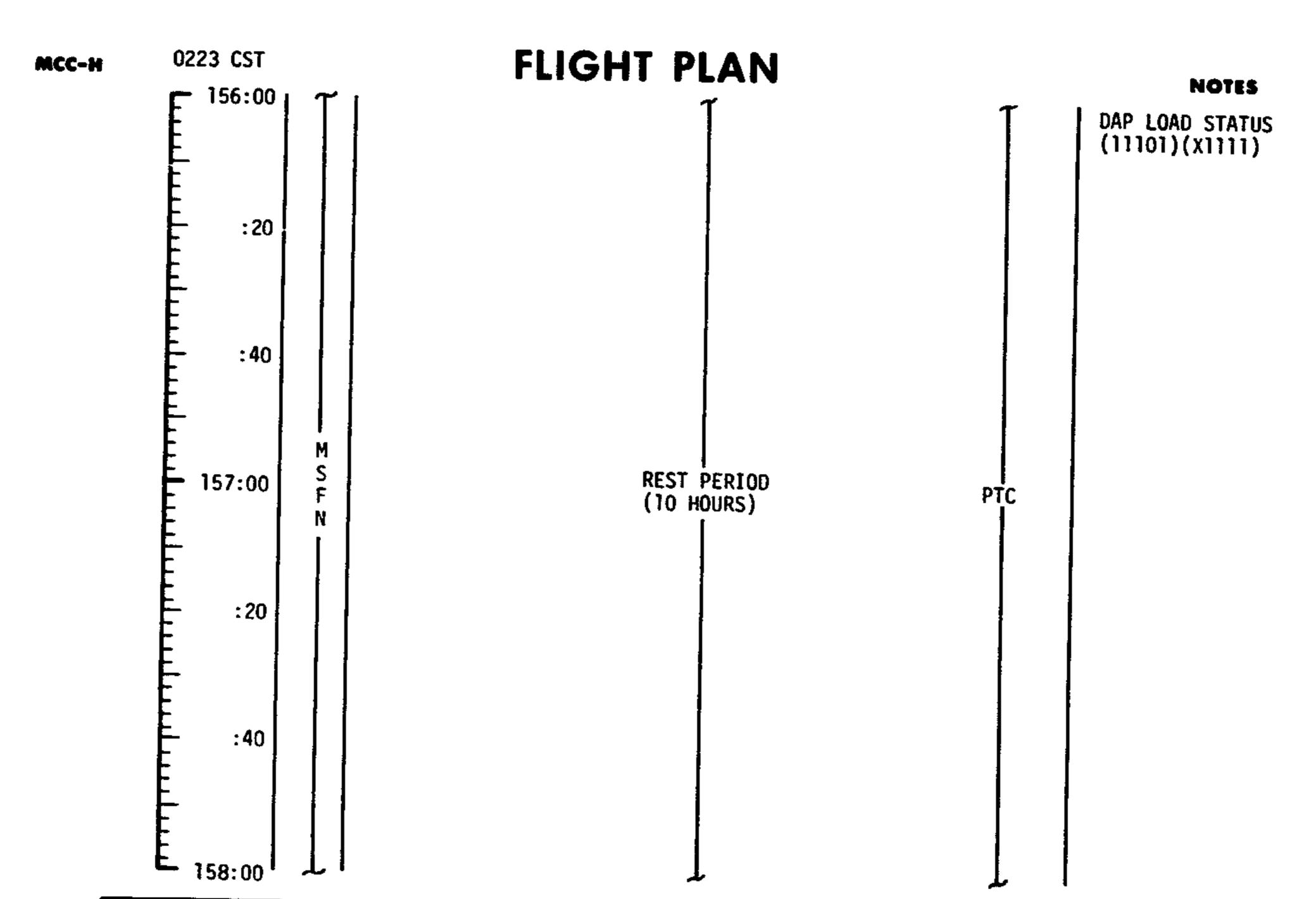


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	154:00 - 156:00	6/TEC	3-234

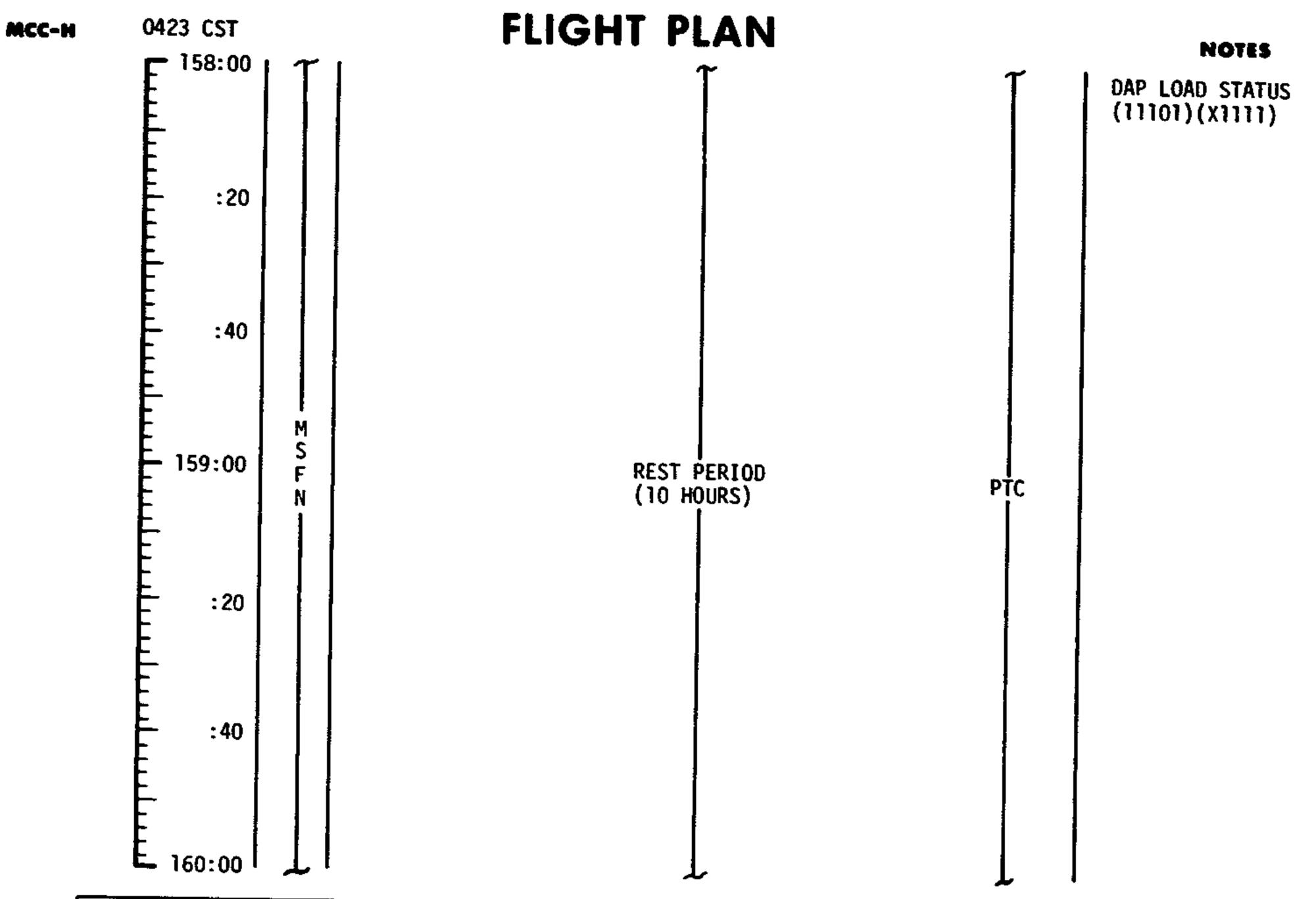
MSC Form 29 (May 69)

FLIGHT PLANNING BRANCH

NASA --- MSC



MISSION	EDITION	DATE			<b></b>
	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	156:00 - 158:00	6/TEC	3-235
MSC Form 20 AM-			100:00	0,150	3-23

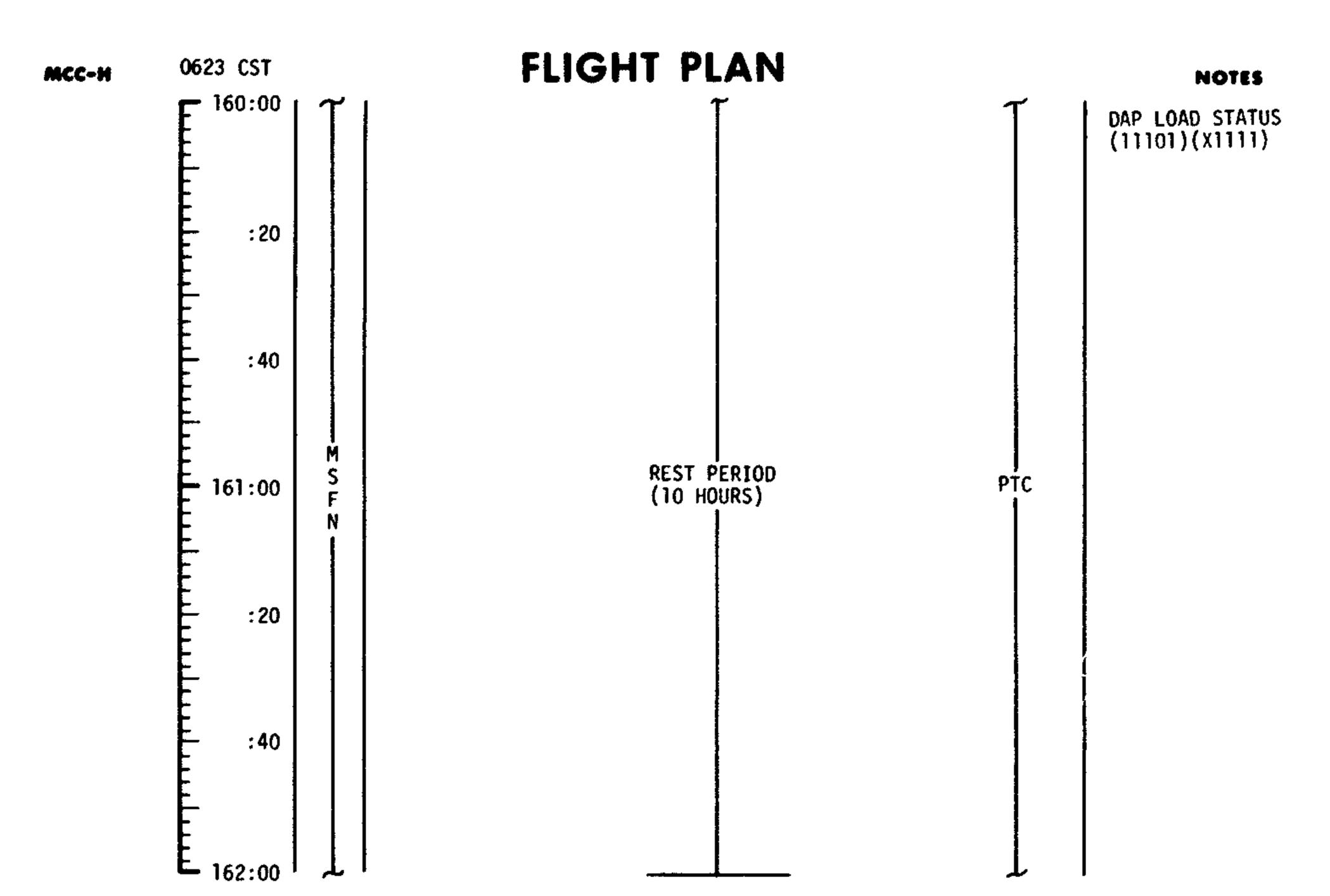


MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	158:00 - 160:00	6/TEC	3-236
MCC Form 20 am-			·····	1	V 250

MSC Form 29 (May 69)

FLIGHT PLANNING BRANCH

NASA --- MSC



MISSION	EDITION	DATE	TIME	DAY/REV	PAGE
APOLLO 14	FINAL (JAN)	DECEMBER 2, 1970	160:00 - 162:00	6/TEC	3-237