

Flight Plan

STS-128/17A

(L-35 FDO Trajectory)

**Mission Operations Directorate
Operations Division**

**Final
July 20, 2009**

Launch Date: Tues. August 18, 2009 GMT

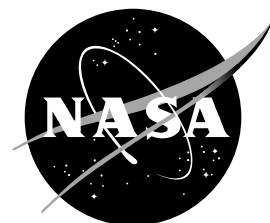
Launch Time: 230/08:23:08 GMT

August 18, 04:23:08 EDT

For the latest working copy of the Flight Plan, visit
http://modspops.jsc.nasa.gov/mod/DO/DO4/Joint/128_17A/default.aspx

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas



Verify this is the correct version for the pending operation (training, simulation or flight).
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MISSION OPERATIONS DIRECTORATE

**FLIGHT PLAN
STS-128**

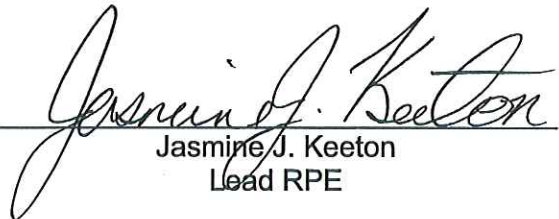
FINAL
July 20, 2009

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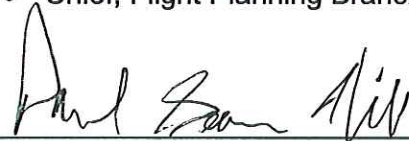

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FLIGHT PLAN
STS-128

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* – Omit from flight book

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3-61	128/FIN	3-117	128/FIN
3-62	128/FIN	3-118	128/FIN
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3-82	128/FIN	3-138	128/FIN
3-83	128/FIN	3-139	128/FIN
3-84	128/FIN	3-140	128/FIN
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3-92	128/FIN	3-148	128/FIN

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INTRODUCTION

The STS-128 Flight Plan is the Flight Data File article that contains the on-orbit timeline. It does not contain the detailed timelines that are covered in the Ascent, Post Insertion, Deorbit Prep, and Entry Checklists. The detailed rendezvous and undocking timelines and procedures are contained in the Rendezvous Checklist. The detailed EVA task timelines and procedures are contained in the EVA Checklist.

This Flight Plan satisfies the mission requirements specified in the following documents:

- NSTS-07700 Vol III, Flight Definition and Requirements Document
- NSTS-17462-128, STS-128 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints
- NSTS-21546, ISS-17A Mission Integration Plan

The timeline formats used in this Flight Plan are based on JSC-19933, Timeline Format Definitions and Standard Notes, Rev C, May 1990.

The STS-128 Flight Plan is based on a launch date of August 18, 2009, at 08:23:08 GMT (03:23:08 AM CDT). Orbiter inertial attitudes are expressed relative to a mean of 1950 (M50) reference frame.

The following SCSC Exceptions have been submitted in order to meet Category 1 objectives:
None

The Flight Plan and previously published, non-flown sections listed below are available on the following Space Shuttle Flight Planning web site:

http://modspops.isc.nasa.gov/mod/DO/DO4/Joint/128_17A/default.aspx

Non-flown sections that are no longer published:

- ISS Commanding Pages
- Attitude Timeline
- Ku-Band Antenna Masking Plan
- Flight Plan Notes
- Flight Plan Walkthrough

OVERVIEW TIMELINE

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STS-128/17A Overview Timeline (13+1+2)

3 EVAs

FD	MET	0/00												1	2	3	4	5	6	7	8	9	10	11	12			
		12	13	14	15	16	17	18	19	20	21	22	23															
FD01	STS												Asc	Post Insert	RSSC	NC1	RMS C/O											
	ATT												-ZLV -XVV															
	-ZLV -XVV																											
FD02	STS												NC2	OBSS Unberth & Survey; EMU C/O	Meal	OBSS Survey & Berth	Rndz	NC3										
	ATT												-ZLV -XVV		Survey		-ZLV											
	-ZLV -XVV																											
*RNDZ Tool																												
FD03	STS												RNDZ		Hatch Open	OBSS H/O to SRMS; IELK Xfr												
	ISS												RNDZ															
	ATT												-ZLV -ZLV +YVV															
^NC4 ^Ti ^ Docking 1/21:21																												
FD04	STS												MPLM Install; EVA Prep	Meal	MPLM Ingress/Act EVA Prep	Proc Rvw	(Campout)											
	ATT																											
	Bias -XLV -ZVV																											
FD05	STS												EVA Prep	EVA 1 (ATA, MISSE 6, EUTEF)	Post EVA													
	ISS												Transfer	ZSR,T2, CQ, N3 ARS Rack Xfr														
	ATT																											
Bias -XLV -ZVV																												
FD06	STS												Focused Inspection	Meal	H2O Dump	Proc Rvw	(Campout)											
	ISS												FIR, MSRR, MELFI-2 Xfr; CQ Outfr	Handover, EVA Prep	Dump													
	ATT												Bias -XLV -ZVV															
Bias -XLV -ZVV																												
FD07	STS												EVA Prep	EVA 2 (ATA)	Post EVA													
	ISS												EVA Support; Transfer															
	ATT																											
Bias -XLV -ZVV																												
FD08	STS												Off Duty (3.5)	Meal	Crew Conf	EVA Prep	Proc Rvw	(Campout)										
	ISS												Handover	Off Duty	Xfr, Handover													
	ATT																											
Bias -XLV -ZVV																												
FD09	STS												EVA Prep	EVA 3 (N3 Umb, RGA and RPCM R&R)	Post EVA													
	ISS												Transfer; Handover															
	ATT																											
Bias -XLV -ZVV																												
FD10	STS												Transfer	Transfr	Off Duty (4)													
	ISS												Transfer, Handover	Meal	MPLM Cnfg	Off Duty												
	ATT																											
Bias -XLV -ZVV																												
FD11	STS												MPLM Demate, Deprs	Meal	MPLM Uninstl, Berth; MDDK Xfr	Hatch Close												
	ISS												Post EVA Xfr															
	ATT																											
Bias -XLV -ZVV																												
FD12	STS												Undk	Flyaround Sep	Meal	Late Inspection												
	ISS												Undk	Flyaround	Dump	Survey												
	ATT												Bias -XLV															
-ZLV -XVV																												
^ Undock 10/15:28																												

STS-128/17A Overview Timeline (13+1+2)

3 EVAs

FD13	MET	12	13	14	15	16	17	18	19	20	21	22	23	12/00	1	2	3	4	5	6	7	8	9	10	11	12
	STS			Cbn Stow	FCS C/O	PILOT	Cabin Stow	Brief	Meal	Cabin Stow, H2O	Dump															
	ATT		-ZLV -XVV							Dump		-ZLV -XVV														

^ Sleep begins at 12/01:45

FD14	MET	12	13	14	15	16	17	18	19	20	21	22	23	13/00	1	2	3	4	5	6	7	8	9	10	11	12
	STS		IMU	Deorbit Prep				Entry																		
	ATT			-XSI	COMM	Entry																				

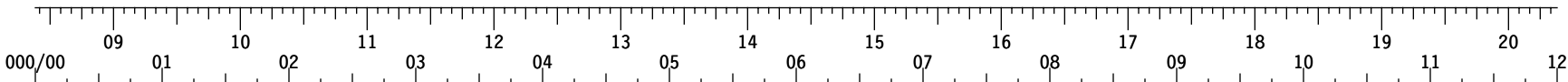
^ KSC Landing 12/18:01

SUMMARY TIMELINE

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GMT 08/18/09 (230)

MET Day 000



STS 128	FD01	ASCENT	POST INSERTION	ELEVON LDAPS AFTC/O	NC1A OMS BURN	MZLV IRP GPRDN	APUACT APCU#	ALCU/A	PRE SLEEP	PMC A/G	PRE SLEEP	WAITCH	INRTL	SLEEP
	PLT FORD	ASCENT	POST INSERTION	RMS INT RMS SUP	P/TV01 VIDEO SETUP	OBMURNO P/TDTUOP	GPRDN	RMS C/O	RMS PLB SURVEY	RMS PDN	PRE SLEEP	WAITCH	SLEEP	
	MS1 FORRESTER	ASCENT	POST INSERTION	RMS INT RMS SUP	PGSC SETUP (PART I)			RMS C/O	RMS PLB SURVEY	RMS PDN	PRE SLEEP	WAITCH	SLEEP	
	MS2 HERNANDEZ	ASCENT	POST INSERTION	PGSC SETUP (PART I)			WLES ACT	UNSTOW*	PRE SLEEP		WAITCH	SLEEP		
	MS3 OLIVAS	ASCENT	POST INSERTION	P/TV01 VIDEO SETUP	GIRA INSTALL			PRE SLEEP		WAITCH	SLEEP			
	MS4 FUGLESANG	ASCENT	POST INSERTION	PGSC SETUP (PART I)			ETPHOTO UMBWELL D/L	EVDINLH D/KH	SEE SETUP	PRE SLEEP	WAITCH	SLEEP		
	MS5 STOTT	ASCENT	POST INSERTION	OSCEAT TEPCON	GIRA INSTALL			MDS	PRE SLEEP	WAITCH	SLEEP			
DAY/NIGHT	[Bar chart showing day/night cycle]													
ORBIT	[Bar chart showing orbit parameters]													
TDRS W E Z	[Bar chart showing TDRS activity]													
ATTITUDE	ASCENT OMS -ZLV -XVV NC1 -ZLV -XVV													
NOTES	#ORIFICE @RECONFIG *DEACT *FILTER CK #ACT *SALIVA KIT #STATUS CHECK													

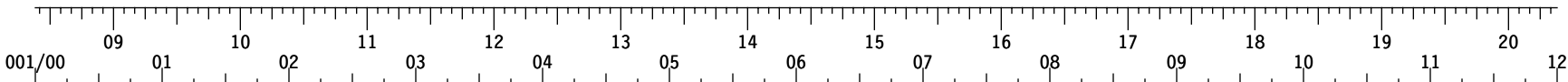
GMT 08/18/09 (230)

21 22 23 08/19 01 02 03 04 05 06 07 08
MET Day 000 12 13 14 15 16 17 18 19 20 21 22 23 001/00

S T S 1 2 8	FD02	SLEEP			LOG	POST SLEEP	NC2Δ	M-N Z-L V-R	POST SLEEP	M-P O-B D-H *T-R	M-S N-T B-D	EXERCISE	O-I P-A C-U #	A-O P-U */ A	M-N O-S V-R-E	MEAL	M-P N-O V-R-T	F-C P-R G-*	FILTER CLEANING	M-N V-R
	PLT FORD	SLEEP			LOG	POST SLEEP	OMS BURN	POST SLEEP	OBSS UNBERTH	STBD WING SURVEY			MEAL	NOSE CAP SURVEY	PORT WING SURVEY			Δ		
	MS1 FORRESTER	SLEEP			LOG	POST SLEEP			M-C T-I U-	OBSS UNBERTH	STBD WING SURVEY			MEAL	NOSE CAP SURVEY	PORT WING SURVEY			⊕	
	MS2 HERNANDEZ	SLEEP			D-S L-V	PS OL S-E T-P	POST SLEEP			PGSC SETUP (PART II)			STBD WING SURVEY	MEAL	D-S L-V	NOSE CAP SURVEY	PORT WING SURVEY			
	MS3 OLIVAS	SLEEP			LOG	POST SLEEP			ERG SETUP	EMU C/O PREP	EMU C/O			MEAL	MDDK XFER PREP		EXERCISE			
	MS4 FUGLESANG	SLEEP			LOG	POST SLEEP			ERG SETUP	EMU C/O PREP	EMU C/O			MEAL	MDDK XFER PREP		EMU PREP FOR XFER			
	MS5 STOTT	SLEEP			LOG	POST SLEEP			G-L A-C R-#	EMU C/O PREP	EMU C/O			MEAL	MDDK XFER PREP		EMU PREP FOR XFER			
DAY/NIGHT		[Timeline]																		
ORBIT		[Timeline]																		
TDRS W E Z		[Timeline]																		
ATTITUDE		-ZLV -XVV NC -ZLV -XVV STBD SURVEY NOSE SURVEY PORT SURVEY																		
NOTES		*FILTER CK *HTR B RECONFIG #ACT *DEACT *MANUAL #STATUS CHECK ΔOBSS BERTH ⊕OBSS BERTH																		

GMT 08/19/09 (231)

MET Day 001



S T S 1 2 8	FD02	CDR STURCKOW	MI V R	NLP ACT	CRYO 02 SNSR CK	NC3A RCS BURN	M - N Z V L R V	F M U N T V R	P S L E E P	PMC A/G	PRE SLEEP	SLEEP
	PLT FORD	OBSS BERTH				RCS BURN	OMS POD SRVY				PRE SLEEP	SLEEP
	MS1 FORRESTER	OBSS BERTH				C/L CMR INSTL	ODS RING				PRE SLEEP	SLEEP
	MS2 HERNANDEZ	CWC-I S/U	FCMS	D M S L E E P	RNDZ TOOLS C/O		O C A *				PRE SLEEP	SLEEP
	MS3 OLIVAS	LDRI DOWNLINK			RNDZ TOOLS C/O						PRE SLEEP	SLEEP
	MS4 FUGLESANG	EMU PREP FOR XFER		EXERCISE	C/L CMR INSTL	ODS RING					PRE SLEEP	SLEEP
	MS5 STOTT	EMU PREP FOR XFER				MDS CK	G L A C R #				PRE SLEEP	SLEEP
DAY/NIGHT		[Bar chart showing day/night cycle]										
ORBIT		[Bar chart showing orbit parameters]										
TDRS W E Z		[Bar chart showing TDRS contact]										
ATTITUDE		[Bar chart showing attitude parameters]										
NOTES		*DOWNLINK RATE RECONFIG #STATUS CHECK										

GMT 08/19/09 (231)

21 13 22 14 23 15 08/20 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 002/00

MET Day 001

STS 128	FD03	SLEEP	LOG	MnvrΔ	POST SLEEP	IMPRUB	GPWRUP	NC4Δ	TiΔ	ΔRPM	APPROACH T/L	HATCH LEAK CK - STS	GPWRUP	INGRS HATCH OPEN	HI	SFTY BRIEF	*
	CDR STURCKOW	SLEEP	LOG	POST SLEEP	SIMONIT	POST SLEEP	GPWRUP	SIMONIT	ISS RNDZ OPS	APPROACH T/L	MNVR TEA	GPWRUP	SOPTUSe	DKAUD	HI	SFTY BRIEF	
	PLT FORD	SLEEP	LOG	POST SLEEP	SIMONIT	POST SLEEP	GPWRUP	SIMONIT	ISS RNDZ OPS	APPROACH T/L	HATCH LEAK CK - STS	ODS PREP FOR INGR	INGRS HATCH OPEN	HI	SFTY BRIEF	OBSS*	
	MS1 FORRESTER	SLEEP	LOG	POST SLEEP	SIMONIT	POST SLEEP	GPWRUP	SIMONIT	ISS RNDZ OPS	APPROACH T/L	POST RNDZ PGSC CONFG	TRIDAR*	HI	SFTY BRIEF	OBSS*		
	MS2 HERNANDEZ	SLEEP	LOG	POST SLEEP	COND CWC S/U	EXERCISE	ISS RNDZ OPS	APPROACH T/L	SMSC VII - U 2*	PSTEVT 04	P/TV04 OPS	HI	SFTY BRIEF	PTV05			
	MS3 OLIVAS	SLEEP	LOG	POST SLEEP	EMU RMVL	EXERCISE	ISS RNDZ OPS	PTV02 S/U	P/TV02 DOCK	ODS PREP FOR INGR	HI	SFTY BRIEF	⊕				
	MS4 FUGLESANG	SLEEP	LOG	POST SLEEP	EMU DRINK BAG FILL	EXERCISE	ISS RNDZ OPS	APPROACH T/L	EMU DRINK BAG FILL	ISS RNDZ OPS	APPROACH T/L	HI	SFTY BRIEF	*			
MS5/ FE-2 EXP20 STOTT	SLEEP	LOG	POST SLEEP	POST SLEEP	ISS RNDZ OPS	APPROACH T/L					HI	SFTY BRIEF					

DAY/NIGHT	25	26	27	28	29	30	31	32
ORBIT	[ORBIT TRACKS]							
TDRS	[TDRS TRACKS]							
ATTITUDE	-ZLV -XVV	-ZLV +YVV	RNDZ			D	BIAS -XLV -ZVV	

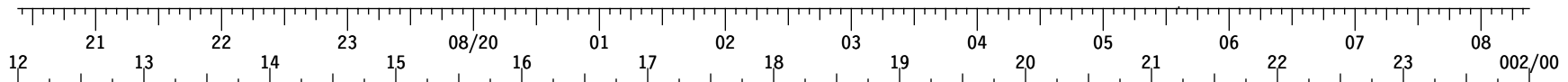
NOTES	#ACT *DEACT	*DOWNLINK RATE RECONFIG	#STATUS CHECK	@ACT *DEACT	*FILTER CK	*MDDK XFER	*MDDK XFER	*IELK RMVL	*H/O
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***DOCKING 1/21:21**

FD03

GMT 08/19/09 (231)

MET Day 001



ISS	ISS CDR PADALKA	SLEEP	POST SLEEP	PREP WORK	DPC	EXERCISE TVIS	TVIS HYG	VELO	P/TV RPM VRFY S/U	C N F G	MIDDAY-MEAL	4 P H O O M T M O	DOCKING*				HI	SFTY BRIEF	*
	FE-1 BARRATT	SLEEP	POST SLEEP	PREP WORK	DPC	EXERCISE CEVIS			P/TV RPM VRFY S/U		MIDDAY-MEAL	8 P H O O M T M O	R P M D L	P C F M A G 2	HATCH LEAK CK ISS	INGRS HATCH OPEN	HI	SFTY BRIEF	⊕
DN	FE-2 KOPRA	SLEEP	POST SLEEP	PREP WORK	DPC	P C S	EXERCISE ARE	EXERCISE CEVIS	CCISS DNLD		MIDDAY-MEAL	P/TV DOC		P C F M A G 2	HATCH LEAK CK ISS	INGRS HATCH OPEN	HI	SFTY BRIEF	R T R
	FE-3 ROMANENKO	SLEEP	POST SLEEP	PREP WORK	DPC		VELO	EXERCISE TVIS	TVIS HYG		MIDDAY-MEAL					C S O M P L	HI	SFTY BRIEF	♦
ISS	FE-4 THIRSK	SLEEP	POST SLEEP	PREP WORK	DPC	W I H I M A D M W		IWIS ACCEL INSTL	EXERCISE CEVIS		MIDDAY-MEAL	T I M E R	T I M E R	D E A C T	G S C O P S	D K A U D	HI	SFTY BRIEF	⊕
	FE-5 DEWINNE	SLEEP	POST SLEEP	PREP WORK	DPC		T V I S	EXERCISE ARE	E V A C		MIDDAY-MEAL				MICB PHOTO	MICB PREP	MICB MDS SMPL	HI	SFTY BRIEF
DAY/NIGHT		[Bar]		[Bar]		[Bar]		[Bar]		[Bar]		[Bar]		[Bar]		[Bar]		[Bar]	
ORBIT		1598	1599	1600	1601	1602	1603	1604	1605										
DAILY ORBIT		14	15	1	2	3	4	5	6										
TDRS AVAIL		[Bar]																	

NOTES

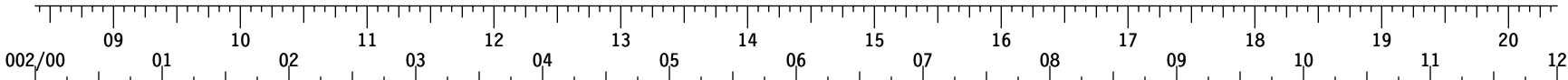
NO ARE

(DOCK)

DOCKING 1/21:21

♦IELK INST
⊕EXERCISE
♦RUSSIAN O
⊕EXERCISE

GMT 08/20/09 (232)



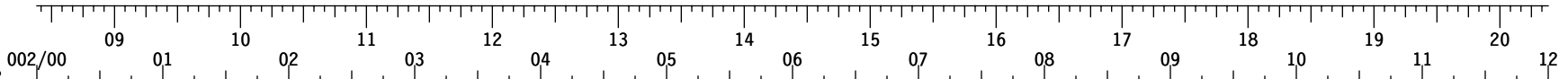
MET Day 002

STS 128	FD03	MDDK XFER				PRE SLEEP				PMC A/G	PRE SLEEP	SLEEP						
	CDR STURCKOW																	
	PLT FORD	OBSS GRPL	OBSS UNBRTH		U N / G O R P	P S R L E E P		SSRMS OPS REVIEW	PRE SLEEP				SLEEP					
	MS1 FORRESTER		OBSS *		OBSS H/O	OBSS H/O	EXERCISE		PRE SLEEP				SLEEP					
	MS2 HERNANDEZ		OBSS *		OBSS H/O	OBSS H/O	PRE SLEEP				SLEEP							
	MS3 OLIVAS	P T V 0 5	P/TV06	M M U E L T E R	MDDK XFER		X T F A E G R U P	P O L P Y S B K	PRE SLEEP	XFER BRIEF	PRE SLEEP				SLEEP			
	MS4 FUGLESANG	MDDK XFER				PRE SLEEP				SLEEP								
MS5/ FE-2 EXP20 STOTT	IELK RMVL & XFER	EX OV	MDS CK	G L A C R #	SOKOL LK CK	DPC	PRE SLP	PMC	PRE SLEEP-ISS				SLEEP					
DAY/NIGHT	[Timeline with Day/Night indicators]																	
ORBIT	[Timeline with Orbit indicators]																	
TDRS	W E Z	[Timeline with TDRS indicators]																
ATTITUDE	BIAS -XLV -ZVV																	
NOTES	*H/O #STATUS CHECK NO EXERCISE (OBSS)																	

FD03

GMT 08/20/09 (232)

MET Day 002

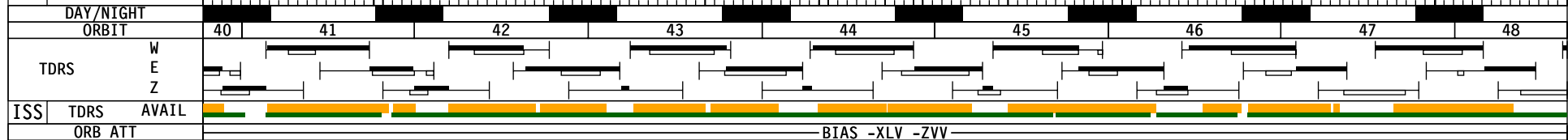


ISS	ISS CDR PADALKA	IELK INST & C/O		SOKOL LK CK	DPC	PW RO ER PK	PRE SLEEP-ISS	SLEEP
	FE-1 BARRATT	EXERCISE TVIS	VID	PREP WORK	DPC	SSRMS OPS REVIEW	PRE SLEEP-ISS	SLEEP
DN	FE-2 KOPRA	OBSS GRPL	OBSS UNBRTH	U H N / G O R P	IELK GTHR STOW	DPC	PW RO ER PK	PRE SLEEP-ISS
	FE-3 ROMANENKO	RUSSIAN OPS		COX MNT	PW RO ER PK	DPC	PW RO ER PK	PRE SLEEP-ISS
ISS	FE-4 THIRSK	EXERCISE AREC	SODF XFER	D W N P R E P L W O R K	DPC	PW RO ER PK	PRE SLEEP-ISS	SLEEP
	FE-5 DEWINNE	EXERCISE CEVIS	PREP WORK	DPC	PW RO ER PK	PRE SLEEP-ISS	SLEEP	
DAY/NIGHT		ORBIT		DAILY ORBIT		TDRS		AVAIL
		1606		1607		1608		1609
		7		8		9		10
								11
								12
								13
								14
NOTES	<p>NO EXERCISE</p> <p>(OBSS)</p>							

GMT 08/20/09 (232)

21 22 23 08/21 01 02 03 04 05 06 07 08
 MET Day 002 12 13 14 15 16 17 18 19 20 21 22 23 003/00

STS 128	FD04 CDR STURCKOW	SLEEP	LOG	POST SLEEP	PWR FILL - MDS	POST SLEEP	IMU	STS 02 P/B CONFIG	EXERCISE	CWC-HI	CTWCR-I	MEAL	MDDK XFER	H/MDDK XFER				
	PLT FORD	SLEEP	LOG	POST SLEEP	MPLM INSTL GRPL	MPLM UNBERTH INSTALL	MPLM INSTL	LIMP	BRAKE	MPLM UNGRPL	EXERCISE	MEAL	SSRMS OPS REVIEW	CWC-HI 2	CTWCR-I	CWC-I XFER (2)	MDDK XFER	
	MS1 FORRESTER	SLEEP	LOG	POST SLEEP	APCU#	POST SLEEP	APCU*	POST SLEEP	MPLA	ISS LOCKER INSTALL	MDDK XFER	H2O CWC S/U	MEAL	MDDK XFER	EVA TOOL CONFIG	EXERCISE	*	
	MS2 HERNANDEZ	SLEEP	LOG	POST SLEEP	XUFEDRAT	MDDK XFER	PST DK EVA XFR RCNFG	MEAL	MDDK XFER	EXERCISE								
	MS3 OLIVAS	SLEEP	LOG	POST SLEEP	P/TV06	PST DK EVA XFR RCNFG	MEAL	REBAC/O	EVA TOOL CONFIG	E_LK PREP	EXERCISE							
	MS4 FUGLESANG	SLEEP	LOG	POST SLEEP	EXERCISE	VERIF	1ST STG CAP	CBM 2ND STG & ABOLTS	MEAL	MPLM VEST PRESS	MPLM VEST INGRS CNFG	MPLM ACT PART 1						



NOTES

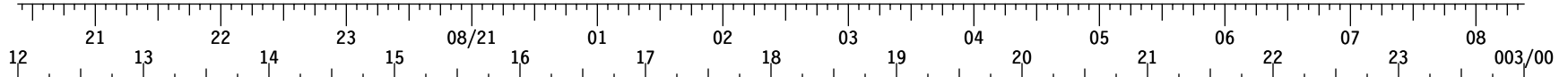
NO ARED EXERCISE (MPLM GRAPPLE) | NO EXERCISE (MPLM INSTL/BOLT LOAD) | NO ARED EXERCISE (MPLM UNGRAPPLE) LAN/128/FIN

2-10

FD04

GMT 08/20/09 (232)

MET Day 002



U P	FE-2 EXP20 STOTT	SLEEP	POST SLEEP	PREP WORK	DPC	W I D S/U	MDS BRKT INST	MDS XFER	MDS FAC RECNG	ADAPTATION			MIDDAY-MEAL	R E B O A *	EVA TOOL CONFIG	E LK PREP	C H E / V O I S			
I S S	ISS CDR PADALKA	SLEEP	POST SLEEP	PREP WORK	DPC		S D O R Y O L	RUSSIAN OPS			G L O V E	R U S S I A N O P S	S C O L S O L	MIDDAY-MEAL	C O X M N T	E X E R C I S E T V I S	T V I S H Y G	V E L O		
	FE-1 BARRATT	SLEEP	POST SLEEP	PREP WORK	D P C	M P L M I N S T L G R P L	MPLM UNBERTH INSTALL		M P L M I N S T L	L I M P		B R A K E	M P L M U N G R P L	MIDDAY-MEAL	G S C	FFQ	EXERCISE CEVIS			
D N	FE-2 KOPRA	SLEEP	POST SLEEP	PREP WORK	DPC				V E R I F	1 S T S T G C A P	C B M 2 N D S T G & A B O L T S		FFQ	MIDDAY-MEAL	S / U	EVA TOOL C N F I G	E X E R C I S E A R E D	C H E / V O I S S		
I S S	FE-3 ROMANENKO	SLEEP	POST SLEEP	PREP WORK	DPC	R U S S I A N O P S	EXERCISE VELO		RUSSIAN OPS			MIDDAY-MEAL	RUSSIAN OPS			*				
	FE-4 THIRSK	SLEEP	POST SLEEP	P W R O K P	C B R S U P	D P C	D 2 X S	EXERCISE CEVIS		FFQ	S T S 0 2 P / B C O N F I G		D S S	A C C E L	C B C S C A M R A R M V	L A T C H	MIDDAY-MEAL	S S R M S O P S R E V I E W	EVA C A M E R A C N F I G	A R E D
	FE-5 DEWINNE	SLEEP	POST SLEEP	PREP WORK	DPC	M P L M V E S T E Q U I P S / U	EXERCISE TVIS			C F W I C L I L 1		FFQ	C F W I C L I L 2	MIDDAY-MEAL	M P L M V E S T P R E S S	M P L M V E S T I N G R S C N F I G		M P L M - V E S T C P A - R M V		
TDRS AVAIL		[Color-coded bars: green, orange, black]																		
DAY/NIGHT		[Color-coded bars: black, white]																		
DAILY ORBIT		14	15	16	1	2	3	4	5	6										
ORBIT		1613	1614	1615	1616	1617	1618	1619	1620	1621										

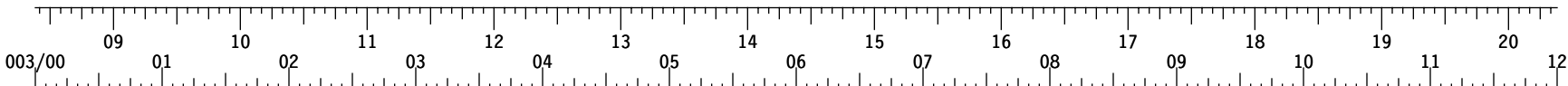
*INSPECT *INSTALL *EXERCISE TVIS

NOTES

NO ARED EXERCISE (MPLM GRAPPLE)	NO EXERCISE (MPLM INSTL/ BOLT LOAD)	NO ARED EXERCISE (MPLM UNGRAPPLE)
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GMT 08/21/09 (233)

MET Day 003



STS 128		003/00		09	01	10	02	03	04	05	06	07	08	09	10	11	12		
FD04	CDR STURCKOW	MXDFDR	NLP TERM	PEVENT	EVA PROC RVW	H/O	EVA PROC RVW	XFER GROUP	PRE SLEEP	XFER BRIEF	PSLEEP	PMC A/G	PRE SLEEP	SLEEP					
	PLT FORD	MDDK XFER		PEVENT	EVA PROC RVW				PRE SLEEP					SLEEP					
	MS1 FORRESTER	MDDK XFER			EVA PROC RVW		GLACR #		PRE SLEEP					SLEEP					
	MS2 HERNANDEZ	EXERCISE		PEVENT	EVA PROC RVW				PRE SLEEP	MASK PRE BREATHE		PRE SLEEP		SLEEP					
	MS3 OLIVAS		EXERCISE		EVA PROC RVW				PRE SLEEP	MASK PREBREATHE		PRE SLEEP		SLEEP					
											10.2 DPRS			ISS A/L Campout at 10.2 psi					
	MS4 FUGLESANG	MPLM ACT PART 1	IMV*	VC EL S T	CO U	M I P N L G M R	M P L M S / U		PRE SLEEP					SLEEP					
DAY/NIGHT ORBIT		48		49		50		51		52		53		54		55		56	
TDRS W E Z		[Timeline bars for TDRS W E Z]																	
ISS TDRS AVAIL ORB ATT		[Timeline bars for ISS TDRS AVAIL ORB ATT]																	
		#STATUS CHECK																	
		BIAS -XLV -ZVV																	
NOTES																			

FD04

GMT 08/21/09 (233)

MET Day 003

		09		10		11		12		13		14		15		16		17		18		19		20	
U P	FE-2 EXP20 STOTT	ADAPT	SETUP^	EVA PROC RVW	DPC	PREP WORK	PMC	PRE SLEEP	MASK PREBREATHE	PRE SLEEP	SLEEP ISS A/L Campout at 10.2 psi														
I S S	ISS CDR PADALKA	VELO		EVA PROC RVW	DPC	PREP WORK		PRE SLEEP-ISS		SLEEP															
	FE-1 BARRATT			EVA PROC RVW	DPC	PREP WORK		PRE SLEEP-ISS		SLEEP															
D N	FE-2 KOPRA	CEVIS		EVA PROC RVW	DPC			PRE SLEEP	MASK PRE BREATHE	PRE SLEEP	SLEEP														
I S S	FE-3 ROMANENKO	* TVIS HYG		EVA PROC RVW	DPC	PREP WORK		PRE SLEEP-ISS		SLEEP															
	FE-4 HIRSK	ARED		EVA PROC RVW	DPC	PREP WORK		PRE SLEEP-ISS		SLEEP															
	FE-5 DEWINNE	⊕ IMV*	MPLM ACT II	M I N P L G M R	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP															
TDRS AVAIL		[Color-coded bars representing availability]																							
DAY/NIGHT		[Color-coded bars representing day/night cycle]																							
DAILY ORBIT		6	7	8	9	10	11	12	13	14															
ORBIT		1621	1622	1623	1624	1625	1626	1627	1628	1629															
NOTES		*EXERCISE TVIS ⊕MPLM-VEST CPA-RMV ^IMMN SALIVA																							

GMT 08/21/09 (233)

MET Day 003

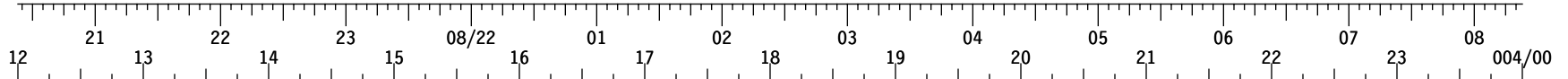
21 22 23 08/22 01 02 03 04 05 06 07 08
12 13 14 15 16 17 18 19 20 21 22 23 004/00

STS 128	FD05	SLEEP	LOG POST SLEEP	PMC A/G	POST SLEEP	MPLM XFER	EXERCISE	P/TV07 EVA	IMU	P/TV07 EVA	MEAL	CWCR-I/5	CWCR-I/6	CWCR-I	CWC-I XFER (3)	P/TV07 EVA	
	PLT FORD	SLEEP	POST SLEEP			INHDI B	CWCR-I/3	CWCR-I	CWCR-I	P/TV07 EVA S/U		EVA 1 SSRMS SUPPORT				MPLM XFER	
	MS1 FORRESTER	SLEEP	LOG POST SLEEP			GM	EXERCISE	IVA PREP		EVA IVA SUPPORT							
	MS2 HERNANDEZ	SLEEP	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMURGE	EMU PREBREATHE	C_LK DPRS	P-DPRS	MPLM XFER	MEAL	MPLM XFER	EXERCISE				
	MS3 OLIVAS	SLEEP	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	EMURGE	EMU PREBREATHE	C_LK DPRS	P-DPRS	CEGRS	AWS TK/ASU	P1 ATA RELEASE	EUTEF RETRVL/STOW	MISSE 6 RETRVL/STOW	C L N U P		
	MS4 FUGLESANG	SLEEP	LOG POST SLEEP			XU F E R A T	MPLM XFER	ZSR XFER	ZSR DEPLY	COLBERT RACK XFER	CQ RACK XFER	MEAL	N3 ARS RCK XFER	EXERCISE	MPLM XFER		
DAY/NIGHT ORBIT		56	57	58	59	60	61	62	63	64							
TDRS W E Z		[Timeline bars for TDRS W E Z]															
ISS TDRS AVAIL ORB ATT		[Timeline bars for ISS TDRS AVAIL ORB ATT]															
NOTES		#STATUS CHECK *FILTER CK BIAS -XLV -ZVV NO UNISOLATED NO ARED EXERCISE (P1 ATA RELEASE) (EUTEF RETRVL/STOW)															

FD05

GMT 08/21/09 (233)

MET Day 003

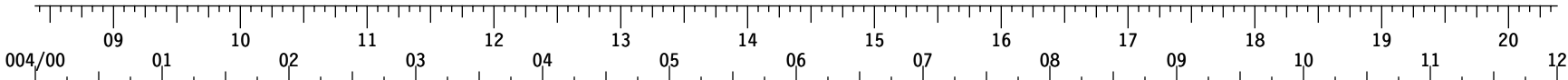


U P	FE-2 EXP20 STOTT	SLEEP	POST SLEEP	HYG BRK/PREBREATHE 14.7 RPRS	10.2 DPRS	CAMPOUT EVA PREP	EP MURGE	EMU PREBREATHE	C_LK DPRS	CEGASU	TK/ASU	P1 ATA RELEASE	EVA 1 (6:30)	SSRMS RCNFG	MISSE 6 PEC STOW	GET AHEAD	C_LNUP		
		I S S	ISS CDR PADALKA	SLEEP	POST SLEEP	PW RORPK	DPC	PW RORPK	RUSSIAN OPS				MIDDAY-MEAL	COX MNT	RUSSIAN OPS	PREP WORK	EXERCISE VELO		
	FE-1 BARRATT		SLEEP	POST SLEEP	PW RORPK	DPC	TCQ REMOVE	CEVIS	MPLM XFER				MIDDAY-MEAL	CQ OUTFIT PT1	CQ CABLE ROUTE		PREP		
D N	FE-2 KOPRA	SLEEP	POST SLEEP	HYG BRK/HATCH CLS		CAMPOUT EVA PREP	EP MURGE	EMU PREBREATHE	C_LK DPRS	MPLM XFER				SWITCH	MIDDAY-MEAL		EXERCISE CEVIS	GLOWE	EXERCISE TVIS
		I S S	FE-3 ROMANENKO	SLEEP	POST SLEEP	PW RORPK	DPC	PW RORPK	EXERCISE TVIS	TVIS HYG	RUSSIAN OPS				MIDDAY-MEAL	RUSSIAN OPS			
FE-4 THIRSK	SLEEP		POST SLEEP	PW RORPK	DPC	PW RORPK	WITH NA DM	CFWCLIL 1	TVIS	CFWCLIL 2	CEVIS	EVA 1 SSRMS SUPPORT				EXERCISE ARED			
FE-5 DEWINNE	SLEEP		POST SLEEP	PW RORPK	DPC	EXERCISE ARED		ZSR XFER	ZSR DEPLY	COLBERT RACK XFER	CQ RACK XFER	MIDDAY-MEAL	N3 ARS RCK XFER	KTO R&R	EXERCISE TVIS	MPLM XFER			
TDRS AVAIL		[Color-coded bars]																	
DAY/NIGHT		[Color-coded bars]																	
DAILY ORBIT		14	15	1		2		3		4		5		6		7			
ORBIT		1629	1630	1631		1632		1633		1634		1635		1636		1637			

NOTES

NO UNISOLATED | **NO ARED EXERCISE**
 (P1 ATA RELEASE) | (EuTEF RETRVL/STOW)

GMT 08/22/09 (234)



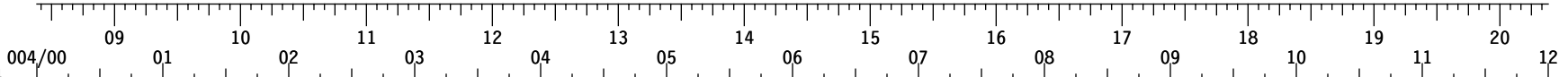
MET Day 004

STS 128	FD05	P E V T A V O 7	MPLM XFER	PRE SLEEP	PMC A/G	PRE SLEEP	ISS EXTERNAL SURVEY					SLEEP
	PLT FORD	C I N C I T 1	EXERCISE	C W C T E R M	C W C X F E R I L O N	PRE SLEEP						SLEEP
	MS1 FORRESTER	E S U P P O R T I V A T	MPLM XFER	G L A C R #	PRE SLEEP							SLEEP
	MS2 HERNANDEZ	E X E R C I S E	P C R P T R P K S	POST EVA W/H2O,METOX	BSA INIT	PRE SLEEP						SLEEP
	MS3 OLIVAS	I N G R E S S	P C R P T R P K S	POST EVA W/H2O,METOX	PRE SLEEP							SLEEP
	MS4 FUGLESANG	MPLM XFER	L I O H G A T H E R	X T F A E G U P	PRE SLEEP	X F E R B R I E F	PRE SLEEP					
DAY/NIGHT												
ORBIT												
TDRS W E Z												
ISS	TDRS AVAIL											
ORB ATT												
NOTES		#STATUS CHECK -BIAS -XLV -ZVV										

FD05

GMT 08/22/09 (234)

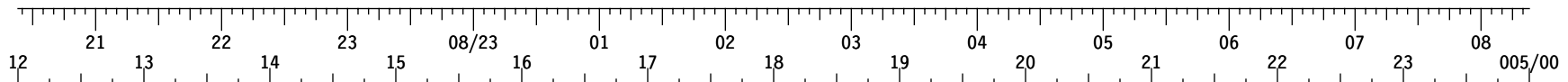
MET Day 004



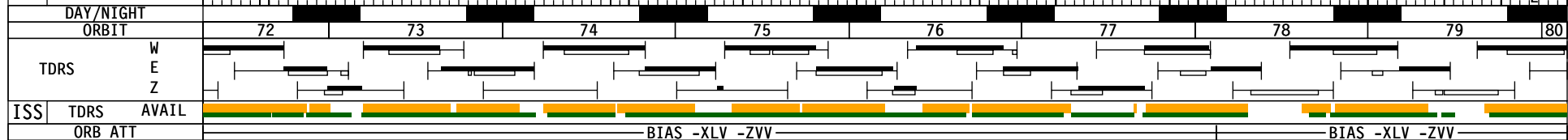
U P	FE-2 EXP20 STOTT	◆	PCRP RLRS PKS	POST EVA W/H2O,METOX	PRE SLEEP	PMC	PRE SLEEP	SLEEP		
I S S	ISS CDR PADALKA	⊕	EXERCISE TVIS	TVIS HYG	DPC		PRE SLEEP-ISS	SLEEP		
	FE-1 BARRATT	PREP	EXERCISE ARE	DWLLD	DPC		PRE SLEEP-ISS	SLEEP		
D N	FE-2 KOPRA	◆	PCRP RLRS PKS	POST EVA W/H2O,METOX	BSA INIT		PRE SLEEP-ISS	SLEEP		
I S S	FE-3 ROMANENKO		EXERCISE VELO	PREP WORK	DPC		PRE SLEEP-ISS	SLEEP		
	FE-4 THIRSK	⊕	SETUP^	PREP WORK	D/L	DPC	PRE SLEEP-ISS	SLEEP		
	FE-5 DEWINNE		MPLM XFER	PREP WORK	DPC		PRE SLEEP-ISS	SLEEP		
TDRS AVAIL										
DAY/NIGHT										
DAILY ORBIT										
ORBIT		7 1637	8 1638	9 1639	10 1640	11 1641	12 1642	13 1643	14 1644	15 1645
NOTES	◆INGRESS ⊕EXERCISE VELO ◆EXERCISE TVIS ⊕EXERCISE ARE ^NUTR/REP BLOOD *D/L									

GMT 08/22/09 (234)

MET Day 004



STS 128	FD06	SLEEP	LOG	POST SLEEP	DUMP PRE GATHER	COND CWC C/O	LIQH XFER	MPLM XFER	MEAL	H/O	MD NUM RPY	SIPN LYT	EXERCISE	STPE LRNYM	CONI ONIDT	MPLM XFER	GLI LADCEO
	PLT FORD	SLEEP	LOG	POST SLEEP	I LOFF	FI DOUG REVIEW	FOCUSED INSPECTION	C IWN C I T 2	EXERCISE	C W C T E R M	I M U	SIPN LYT	MEAL	STPE LRNYM	CONI ONIDT	FILTER CLEANING	⊕
	MS1 FORRESTER	SLEEP	LOG	POST SLEEP	G W L C I R #	FI DOUG REVIEW	FOCUSED INSPECTION	MEAL	DCB FAM	MPLM XFER	EVA TOOL CONFIG	EXERCISE	GLACR SMPL XFER	GLACR #			
	MS2 HERNANDEZ	SLEEP	S L V A	POST SLEEP	FI DOUG REVIEW	FOCUSED INSPECTION	MEAL	P E A V E N T	MPLM XFER	EXERCISE	MPLM XFER						
	MS3 OLIVAS	SLEEP	A S P I R I N	POST SLEEP	X U F P E R A T	LIQH XFER	M E T X *	B S A I N I T	EMU SWAP	MEAL	P E A V E N T	EVA TOOL CONFIG	E L K P R E P	EXERCISE			
	MS4 FUGLESANG	SLEEP	LOG	POST SLEEP	FIR RACK XFER	MSRR RACK XFER	MELFI-2 RCK XFER	EMU SWAP	MEAL	EVA TOOL CONFIG	E L K P R E P	MPLM XFER	E X E R C I S E				



NOTES

#STATUS CHECK
*FILTER CK

BIAS -XLV -ZVV

*TERM

NO EXERCISE (LCS IMAGING)

BIAS -XLV -ZVV

*COND TERM
⊕COND TERM
#TEMP RCFG

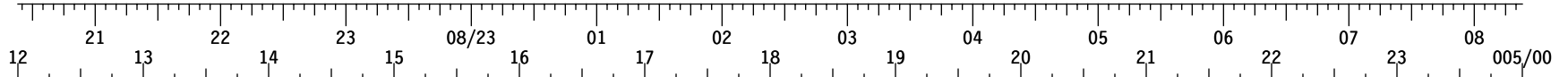
2-18

FLT PLAN/128/FIN

FD06

GMT 08/22/09 (234)

MET Day 004



U P	FE-2 EXP20 STOTT	SLEEP	POST SLEEP	PREP WORK	DPC	WHC KABIN REMOVE	ADAPTATION	HANDOVER			WHC KABIN INSTL	MIDDAY-MEAL	DCB FAM	HANDOVER		ADAPT	GLACR SMPL XFER				
	ISS CDR PADALKA	SLEEP	POST SLEEP	PREP WORK	DPC	RUSSIAN OPS			MIDDAY-MEAL			COX MNT	EXERCISE TVIS	TVIS HYG	EXERCISE VELO						
I S S	FE-1 BARRATT	SLEEP	POST SLEEP	PREP WORK	DPC	CEVIS	PFC	CQ OUTFIT PT2			MIDDAY-MEAL	CQ ACT&C/O			EXER TVIS						
	FE-2 KOPRA	SLEEP	BLD DRW	RCS / U	CNFG	POST SLEEP	BLD INS	PS O L S E T E P	DPC	EXERCISE ARE	STOW ^	POST SLEEP	HANDOVER			S / U	MIDDAY-MEAL	HANDOVER		EXERCISE TVIS	PFC
I S S	FE-3 ROMANENKO	SLEEP	POST SLEEP	PREP WORK	DPC	EXERCISE TVIS	TVIS HYG	PFC	RUSSIAN OPS			MIDDAY-MEAL	EXERCISE VELO	RUSSIAN OPS							
	FE-4 THIRSK	SLEEP	BLD OPR	POST SLEEP	PREP WORK	DPC	WHC KABIN REMOVE	MPLM XFER			WHC KABIN INSTL	MIDDAY-MEAL	PFC	D2XS CAMR	CEVIS	EXERCISE ARE					
	FE-5 DEWINNE	SLEEP	POST SLEEP	PREP WORK	DPC	PREP	FIR RACK XFER	MSRR RACK XFER	MELFI-2 RCK XFER	PFC	MIDDAY-MEAL	EXERCISE ARE			CF W I C L I L 1	CEVIS	CF W I C L I L 2				
TDRS AVAIL		[Color-coded bars representing availability]																			
DAY/NIGHT		[Color-coded bars representing day/night cycle]																			
DAILY ORBIT		15	16	1	2	3	4	5	6	7											
ORBIT		1645	1646	1647	1648	1649	1650	1651	1652	7											

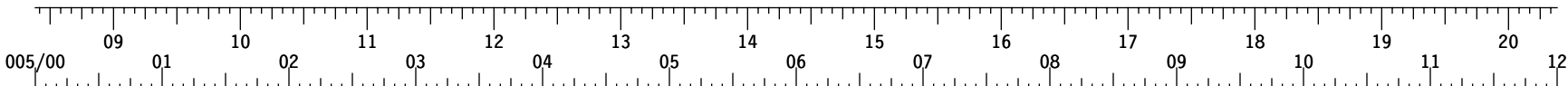
^NUTR/REP BLOOD

NOTES

NO EXERCISE
 (LCS IMAGING)

GMT 08/23/09 (235)

MET Day 005

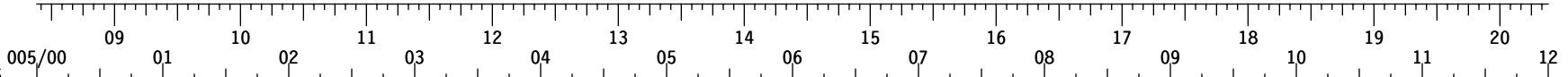


STS 128	FD06	MNVRT EA	EVA PROC RVW	H/O	EVA PROC RVW	XFERTAG	XFER BRIEF	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	PLT FORD	CWC XFER	EVA PROC RVW					PRE SLEEP			SLEEP
	MS1 FORRESTER	GLACR #	EVA PROC RVW		GLACR #			PRE SLEEP			SLEEP
	MS2 HERNANDEZ	PEAVOENT	EVA PROC RVW				PRE SLEEP	MASK PRE BREATHE	PRE SLEEP		SLEEP
	MS3 OLIVAS	PEAVOENT	EVA PROC RVW				PRE SLEEP	MASK PREBREATHE	PRE SLEEP		SLEEP
	MS4 FUGLESANG	EXERCISE	EVA PROC RVW				PRE SLEEP	MASK PREBREATHE	PRE SLEEP		SLEEP
<p>ISS A/L Campout at 10.2 psi</p> <p>10.2 IDPRS</p>											
DAY/NIGHT ORBIT											
TDRS WEZ											
ISS TDRS AVAIL											
ORB ATT		<p>BIAS -XLV -ZVV</p>									
NOTES		<p>*COND TERM #STATUS CHECK @COND TERM ◆MPLM XFER #TEMP RCFG</p>									

FD06

GMT 08/23/09 (235)

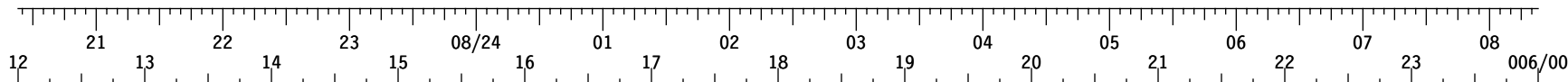
MET Day 005



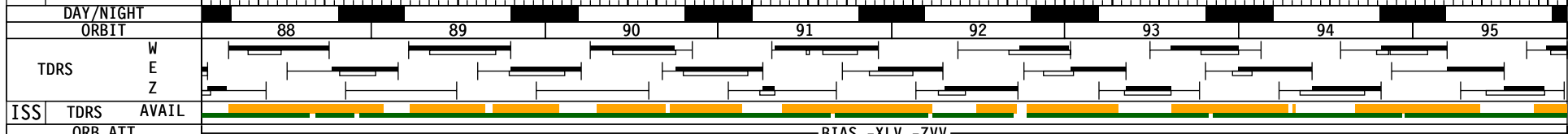
U P	FE-2 EXP20 STOTT	ADAPT	EVA PROC RVW	DPC	PREP WORK	PRE SLP	PMC	PRE SLEEP-ISS	SLEEP
	ISS CDR PADALKA	*PFC	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP	
I S S	FE-1 BARRATT	EXER TVIS	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP	
	FE-2 KOPRA	US RE IT NU EP	EVA PROC RVW	DPC	PRE SLEEP-ISS	MASK PRE BREATHE	PRE SLP	SLEEP	
I S S	FE-3 ROMANENKO	⊕	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP	
	FE-4 THIRSK	D W N L D	EVA PROC RVW	DPC	D P R O R S P K	PRE SLEEP-ISS		SLEEP	
	FE-5 DEWINNE		EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP	
TDRS AVAIL									
DAY/NIGHT									
DAILY ORBIT									
ORBIT		1653	1654	1655	1656	1657	1658	1659	1660
NOTES	*EXERCISE VELO ⊕RUSSIAN OPS								

GMT 08/23/09 (235)

MET Day 005



STS 128	FD07	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	XU FP ED RAT	MPLM XFER	EXERCISE	C M C H 7	CT W C R I - M T I /8	CT W C R I - M T I /9	CT W C R I - M T I	CWC-I XFER (3)	MEAL	P/TV07 EVA	*				
	PLT FORD	SLEEP	POST SLEEP			EXERCISE		I P N A H D I B	P/TV07 EVA S/U	EVA 2 SSRMS SUPPORT							⊕			
	MS1 FORRESTER	SLEEP	POST SLEEP			G A L L E R Y #	IVA PREP		EVA IVA SUPPORT							EXERCISE				
	MS2 HERNANDEZ	SLEEP	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP	E P M U R G E	EMU PREBREATHE	C_LK DPRS	P - D P S	MPLM XFER			MEAL	MPLM XFER	EXERCISE	P - D P S				
	MS3 OLIVAS	SLEEP	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	E P M U R G E	EMU PREBREATHE	C_LK DPRS	P - D P S	C E G R S	SETUP ATA WRKSITE	ATA REMOVAL FROM LMC	PREP FOR ATA INSTL	A Z B T E O A N L I T S H	NH3/N2 ELECTRCL CNCT	P1 CLNUP/ ATA HANDOFF	ATA INSTALL ON LMC	F C L B E A N U P	I N G R E S S	P - D P S
	MS4 FUGLESANG	SLEEP	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	E P M U R G E	EMU PREBREATHE	C_LK DPRS	P - D P S	C E G R S	SSRMS SETUP	ATA REMOVAL FROM LMC	M A I N T N V A S T A L L T O	ATA NADIR BOLTS	P A H R E A N D O F F O R	ATA H/O & MNVR LMC	ATA INSTALL ON LMC	S L E E P M A S U P	I N G R E S S	P - D P S



NOTES

#STATUS CHECK
*FILTER CK

BIAS -XLV -ZVV

NO ARED EXERCISE

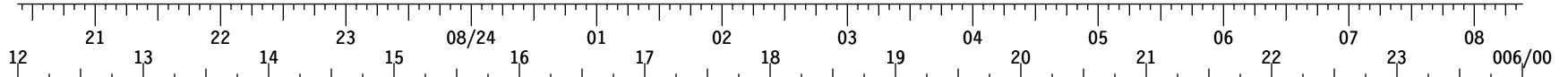
(ATA RMV HANDOFF, & INSTL TO LMC)

*MPLM XFER
⊕MPLM XFER
♦C_LK RPRS
⊙C_LK RPRS
▼C_LK RPRS

FD07

GMT 08/23/09 (235)

MET Day 005



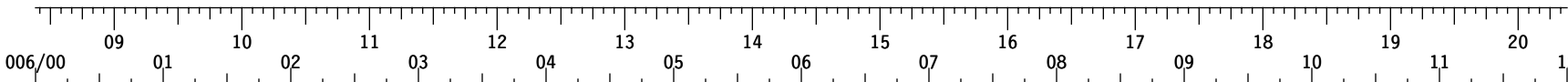
U P	FE-2 EXP20 STOTT	SLEEP	POST SLEEP	PREP WORK	DPC	ADAPTATION	EVA 2 SSRMS SUPPORT											
		SLEEP	POST SLEEP	PREP WORK	DPC	EXERCISE TVIS	TVIS HYG	EXERCISE VELO	RUSSIAN OPS			MIDDAY-MEAL	COX MNT	RUSSIAN OPS				
I S S	FE-1 BARRATT	SLEEP	POST SLEEP	PREP WORK	DPC	CEVIS	MPLM XFER					MIDDAY-MEAL	MPLM XFER			P W R O R P K		
		SLEEP	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP			E P M U R G E	EMU PREBREATHE	C LK DPRS	EXERCISE TVIS	URN CLT	I N S	MIDDAY-MEAL	URN CLT	I N S	URN CLT	I L N O S V E
I S S	FE-3 ROMANENKO	SLEEP	POST SLEEP	PREP WORK	DPC	VELO	RUSSIAN OPS					MIDDAY-MEAL	RUSSIAN OPS			EXERCISE TVIS		
		SLEEP	POST SLEEP	PREP WORK	DPC	MPLM XFER		CEVIS	MIDDAY-MEAL	MPLM XFER			ARED					
		SLEEP	POST SLEEP	PREP WORK	DPC	EXERCISE ARED	CEVIS	MPLM XFER			MIDDAY-MEAL	MPLM XFER			C F W I C L I L 1	C F W I C L I L 2		
TDRS AVAIL		[Color-coded bars for TDRS availability]																
DAY/NIGHT		[Color-coded bars for day/night cycle]																
DAILY ORBIT		15	1	2	3	4	5	6	7									
ORBIT		1661	1662	1663	1664	1665	1666	1667	1668									

NOTES

NO ARED EXERCISE
 (ATA RMV, HANDOFF, & INSTL TO LMC)

*C_LK RPRS

GMT 08/24/09 (236)



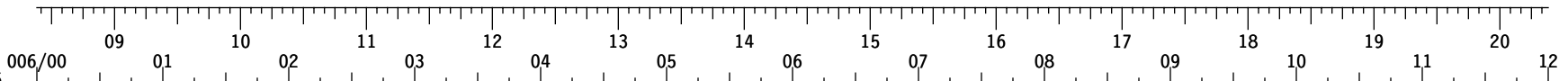
MET Day 006

		09	10	11	12	13	14	15	16	17	18	19	20
STS 128	FD07	ISS EXTERNAL SURVEY											
	CDR STURCKOW	MPLM XFER	X T F A G R U P	PRE SLEEP	XFER BRIEF	PRE SLEEP	PMC OCA	PRE SLEEP	SLEEP				
	PLT FORD	MPLM XFER	IL ON	PRE SLEEP				SLEEP					
	MS1 FORRESTER	EXERCISE	G L A R C #	PRE SLEEP				SLEEP					
	MS2 HERNANDEZ	POST EVA W/H2O	BSA INIT	PRE SLEEP				SLEEP					
	MS3 OLIVAS	POST EVA W/H2O	PRE SLEEP				SLEEP						
MS4 FUGLESANG	POST EVA W/H2O	PRE SLEEP				SLEEP							
DAY/NIGHT		[Day/Night Cycle: Night from 09:00-12:00, Day from 12:00-18:00, Night from 18:00-21:00]											
ORBIT		[Orbit Cycle: 95, 96, 97, 98, 99, 100, 101, 102, 103]											
TDRS W E Z		[TDRS Visibility: Horizontal bars indicating visibility windows for W, E, and Z stations across orbits 95-103]											
ISS TDRS AVAIL		[ISS TDRS Availability: Horizontal bars indicating availability for TDRS stations across orbits 95-103]											
ORB ATT		BIAS -XLV -ZVV											
NOTES		*C_LK RPRS #STATUS CHECK @C_LK RPRS ♦C_LK RPRS											

FD07

GMT 08/24/09 (236)

MET Day 006



U P	FE-2 EXP20 STOTT	CEVIS	PREP WORK	DPC	PRE SLEEP-ISS	PMC	PRE SLEEP	SLEEP		
ISS	ISS CDR PADALKA	* PMC	PREP WORK	DPC	PRE SLEEP-ISS			SLEEP		
	FE-1 BARRATT	PW RORER PK	EXERCISE ARED	DPC	PRE SLEEP-ISS			SLEEP		
DN	FE-2 KOPRA	@ POST EVA W/H2O	BSA INIT	EXERCISE CEVIS	PRE SLEEP-ISS			SLEEP		
ISS	FE-3 ROMANENKO	* TVIS HYG	PREP WORK	DPC	PRE SLP	PMC	PRE SLEEP-ISS	SLEEP		
	FE-4 THIRSK	A R E D	PREP WORK	DPC	@	PMC	PRE SLEEP-ISS	SLEEP		
	FE-5 DEWINNE		PREP WORK	DPC	PRE SLEEP-ISS			SLEEP		
TDRS AVAIL										
DAY/NIGHT										
DAILY ORBIT		7	8	9	10	11	12	13	14	15
ORBIT			1669	1670	1671	1672	1673	1674	1675	1676
NOTES	*RUSSIAN OPS *D/L @PRE SLEEP-ISS @C LK RPRS ♦EXERCISE TVIS									

GMT 08/24/09 (236)

MET Day 006

12 21 13 14 22 15 23 08/25 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 007/00

STS 128	FD08	LOG	POST SLEEP	X P F E R A T	OFF DUTY	PFC OCA	OFF DUTY	EXERCISE	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF	MPLM XFER	I M U	MPLM XFER	
	PLT FORD	LOG	POST SLEEP	W C S #	OFF DUTY	EXERCISE	OFF DUTY	PFC OCA	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF	MPLM XFER		MPLM XFER	
	MS1 FORRESTER	LOG	POST SLEEP	G M L C A C T I O N #	B S A - T	I N S T L * O F F D U T Y	PFC OCA	OFF DUTY	EXERCISE	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF	MPLM XFER	EVA TOOL CONFIG	MPLM XFER
	MS2 HERNANDEZ	LOG	POST SLEEP			OFF DUTY	EXERCISE	OFF DUTY	PFC OCA	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF		MPLM XFER	
	MS3 OLIVAS	LOG	POST SLEEP			OFF DUTY	EXERCISE	OFF DUTY	PFC OCA	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF	EVA TOOL CONFIG	E LK PREP	
	MS4 FUGLESANG	LOG	POST SLEEP		P S O L S E T	OFF DUTY	EXERCISE	OFF DUTY	MEAL	C P R H E O W T O	CREW CONF	EVA TOOL CONFIG	E LK PREP			

DAY/NIGHT	ORBIT	103	104	105	106	107	108	109	110	111	
TDRS	W E Z	[Timeline bars for TDRS operations]									
ISS	TDRS AVAIL	[Timeline bars for ISS TDRS availability]									
	ORB ATT	[Timeline bars for Orbital Attitude]									

NOTES

#COMPACT
#STATUS CHECK
*FILTER CK
*METOX/LiOH/BATT

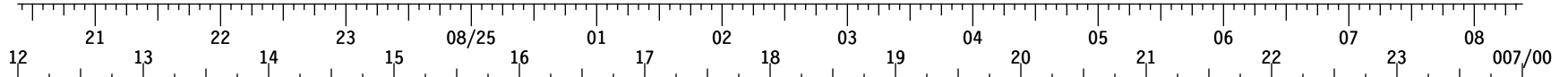
BIAS -XLV -ZVV

▲EVA PROC
⊙EVA PROC
◆EVA PROC
⊙EVA PROC
▲EVA PROC

FD08

GMT 08/24/09 (236)

MET Day 006



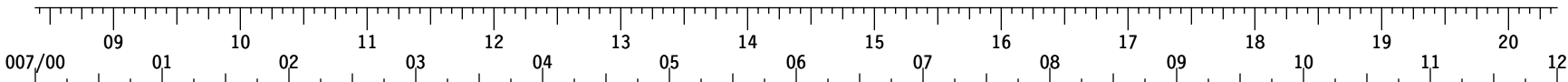
U P	FE-2 EXP20 STOTT	POST SLEEP		PW R O R E R K	DPC	PW R O R E R K	AH R E O	HANDOVER		ADAPTATION	OFF DUTY		OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F	CEVIS	HANDOVER		
	I S S	ISS CDR PADALKA	POST SLEEP		PW R O R E R K	DPC	PW R O R E R K		OFF DUTY		EXERCISE T V I S	TVIS H Y G	OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F		EXERCISE V E L O	COX M N T	
		FE-1 BARRATT	POST SLEEP		PW R O R E R K	DPC	PW R O R E R K	H T V C B L I N S T L	PMC	CEVIS	EXERCISE A R E D		OFF DUTY	OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F	TEPC A C T & C/O	MPLM X F E R	
D N	FE-2 KOPRA	URN C L T	I N S T O W	POST SLEEP		DPC	POST S L E E P	HANDOVER		EXERCISE T V I S	PMC	OFF DUTY	OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F	EXERCISE A R E D	HANDOVER		
	I S S	FE-3 ROMANENKO	POST SLEEP		PW R O R E R K	DPC	PW R O R E R K		EXERCISE T V I S	TVIS H Y G	OFF DUTY		OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F	RUSSIAN O P S		VELO	
FE-4 THIRSK		POST SLEEP		PW R O R E R K	DPC	PW R O R E R K	AH R E O	EXERCISE A R E D		OFF DUTY		S / U	OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F		D C A X M S R	EXERCISE T V I S	D W N L D
FE-5 DEWINNE		POST SLEEP		PW R O R E R K	DPC	PW R O R E R K	X S P K	CEVIS	H O C K E L E C I N S T L	PMC	OFF DUTY	D X S	H O C K Q D C O N N E C T	OFF DUTY	MIDDAY-MEAL	CP R H E O W T O	CREW C O N F	H O C K T E A R D O W N	EXERCISE A R E D	
TDRS AVAIL		[Color-coded bars]																		
DAY/NIGHT		[Color-coded bars]																		
DAILY ORBIT		15	16	1		2		3		4		5		6		7				
ORBIT		1676	1677	1678		1679		1680		1681		1682		1683		1684				

NOTES

*EVA PROC

GMT 08/25/09 (237)

MET Day 007

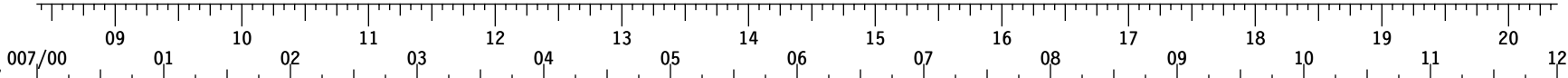


STS 128	FD08	CDR STURCKOW	EVA PROC RVW	XTFA GROUP	XFER BRIEF	PRE SLEEP	PMCA/G	PRE SLEEP	ISS EXTERNAL SURVEY				SLEEP
		PLT FORD	EVA PROC RVW	ILON		PRE SLEEP							SLEEP
		MS1 FORRESTER	EVA PROC RVW	GLACIER		PRE SLEEP							SLEEP
		MS2 HERNANDEZ	EVA PROC RVW			PRE SLEEP		MASK PRE BREATHE	PRE SLEEP				SLEEP
		MS3 OLIVAS	EVA PROC RVW			PRE SLEEP		MASK PREBREATHE	PRE SLEEP				SLEEP
		MS4 FUGLESANG	EVA PROC RVW			PRE SLEEP		MASK PREBREATHE	PRE SLEEP				SLEEP
DAY/NIGHT													
ORBIT													
TDRS W E Z													
ISS TDRS AVAIL													
ORB ATT													
NOTES		#STATUS CHECK BIAS -XLV -ZVV											

FD08

GMT 08/25/09 (237)

MET Day 007



U P	FE-2 EXP20 STOTT	EVA PROC RVW	DPC	PRE SLEEP	PMC	MASK PRE BREATHE	P S R L E E P	SLEEP		
I S S	ISS CDR PADALKA	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP			
	FE-1 BARRATT	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP			
D N	FE-2 KOPRA	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP			
I S S	FE-3 ROMANENKO	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP			
	FE-4 THIRSK	EVA PROC RVW	DPC	PREP WORK	PRE SLEEP-ISS		SLEEP			
	FE-5 DEWINNE	EVA PROC RVW	DPC	P W D R O S E R S I P K	PRE SLEEP-ISS		SLEEP			
TDRS AVAIL										
DAY/NIGHT										
DAILY ORBIT										
ORBIT		1684	1685	1686	1687	1688	1689	1690	1691	1692
NOTES										

GMT 08/25/09 (237)

MET Day 007

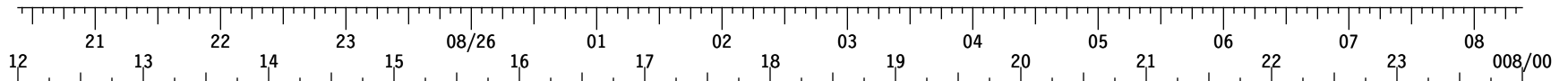
12 21 13 22 14 23 15 08/26 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 008/00

STS 128	FD09	LOG POST SLEEP	PMC A/G	POST SLEEP	CIN W C I T 3	EXERCISE	CWC T E R M	CWC X F E R	P/TV07 EVA	MEAL	CIN W C R I - M T I /	CIN W C R I - M T I /	CIN W C R I - M T I /	CWC-I X F E R (3)	MPLM XFER				
	PLT FORD	POST SLEEP	I L O F F	EXERCISE	P/TV07 EVA S/U	I P N A H D I B	C O N D C W C C /O	EXERCISE A R E D	MPLM XFER	MEAL	MPLM XFER								
	MS1 FORRESTER	LOG POST SLEEP	POST SLEEP			CIN W C I T 3	IVA PREP	EVA IVA SUPPORT			EXERCISE								
	MS2 HERNANDEZ	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP	E P M U R G E	EMU P R E B R E A T H E	C_LK D P R S	P X U F E D P R A T	MPLM XFER	EXERCISE	MEAL	MPLM XFER							
	MS3 OLIVAS	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	E P M U R G E	EMU P R E B R E A T H E	C_LK D P R S	P C E G R S T R K S	SETUP	NOD3 AV CABLE ROUTE	RGA 2 R&R	PMA3 HTR CABLE CNCT	NOD-FGB LAN CBL RTNG	NOD1 SLIDE WIRE RMVL	GET AHEAD	C L N U P	I N G R E S S	P T R K S	POST EVA W/H2O
	MS4 FUGLESANG	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	E P M U R G E	EMU P R E B R E A T H E	C_LK D P R S	P C E G R S T R K S	SETUP	NOD3 AV CABLE ROUTE	RGA 2 R&R	SO RPCM R&R	GPS ANTENNA INSTALL	CLA	GET AHEAD	C L N U P	I N G R E S S	P T R K S	POST EVA W/H2O
DAY/NIGHT		[Bar chart showing day/night cycle]																	
ORBIT		[Bar chart showing orbit parameters]																	
TDRS		[Bar chart showing TDRS availability]																	
ISS		[Bar chart showing ISS status]																	
ORB ATT		[Bar chart showing orb att]																	
NOTES		#STATUS CHECK *FILTER CK BIAS -XLV -ZVV																	

FD09

GMT 08/25/09 (237)

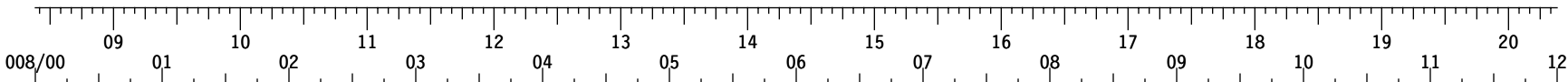
MET Day 007



U P	FE-2 EXP20 STOTT	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMURGE	EMU PREBREATHE	C LK DPRS	IMAK UNPACK	HANDOVER	MIDDAY-MEAL	HANDOVER	GLOVE	CEVIS	CRP TRKS	POST EVA W/H2O			
I S S	ISS CDR PADALKA	POST SLEEP	PREP WORK	DPC	RUSSIAN OPS			EXERCISE TVIS	TVIS HYG	EXERCISE VELO	MIDDAY-MEAL	COX MNT	RUSSIAN OPS					
	FE-1 BARRATT	POST SLEEP	PREP WORK	DPC	GSC	PLICK	CEVIS	MPLM XFER		MIDDAY-MEAL	GSC	MPLM XFER	EXERCISE AREC					
D N	FE-2 KOPRA	POST SLEEP	PREP WORK	DPC	EHS-PWD WATER-CLCT	TOCA	DPART PREP	EXERCISE AREC	TRCLM	HANDOVER	MIDDAY-MEAL	HANDOVER		EXERCISE TVIS				
I S S	FE-3 ROMANENKO	POST SLEEP	PREP WORK	DPC	RUSSIAN OPS					MIDDAY-MEAL	RUSSIAN OPS	EXERCISE TVIS	TVIS HYG	VELO				
	FE-4 THIRSK	POST SLEEP	PREP WORK	DPC	TEST	CFWCLIL 1	CFWCLIL 2	EXERCISE TVIS	MPLM XFER		MIDDAY-MEAL	EXERCISE AREC		MPLM XFER				
	FE-5 DEWINNE	POST SLEEP	PREP WORK	DPC	WITH DM	MICB SWA SAMPLE		MELFI	GLACR	CEVIS	EXERCISE AREC	MIDDAY-MEAL	MICB PHOTO	MELFI	TOCA	MPLM XFER		TOCA
TDRS AVAIL																		
DAY/NIGHT																		
DAILY ORBIT		15	1	2	3	4	5	6	7	8								
ORBIT		1692	1693	1694	1695	1696	1697	1698	1699	1700								
NOTES		*MDS INS																

GMT 08/26/09 (238)

MET Day 008

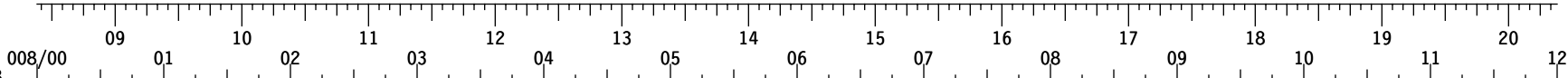


FD09		09		10		11		12		13		14		15		16		17		18		19		20		FD10
STS 128	CDR STURCKOW	MPLM XFER	X T F A E R G R U P	X F E R B R I E F	P R E S L E E P	PM C A / G	PRE SLEEP																SLEEP	LOG	POST SLEEP	
	PLT FORD	MPLM XFER	PRE SLEEP																SLEEP	LOG	POST SLEEP					
	MS1 FORRESTER	E X E R C I S E	G L A C R #	PRE SLEEP																SLEEP	LOG	POST SLEEP				
	MS2 HERNANDEZ	POST EVA W/H2O	BSA INIT	PRE SLEEP																SLEEP	LOG	PS OL SE TE P				
	MS3 OLIVAS	POST EVA W/H2O	PRE SLEEP																SLEEP	LOG	POST SLEEP					
	MS4 FUGLESANG	POST EVA W/H2O	PRE SLEEP																SLEEP	LOG	PS OL SE TE P					
DAY/NIGHT		[Day/Night Cycle]																								
ORBIT		[Orbit Cycle]																								
TDRS		[TDRS Schedule]																								
ISS		[ISS Schedule]																								
TDRS AVAIL		[TDRS Availability]																								
ORB ATT		[Orbit Attenuation]																								
NOTES		#STATUS CHECK																								
		BIAS -XLV -ZVV																								

FD09

GMT 08/26/09 (238)

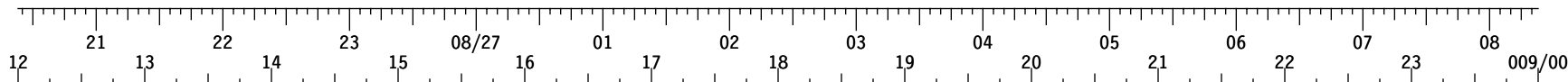
MET Day 008



U P	FE-2 EXP20 STOTT	POST EVA W/H2O	DPC	PRE SLEEP-ISS	PMC	PRE SLEEP-ISS	SLEEP	FD10		
I S S	ISS CDR PADALKA	PREP WORK	DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
	FE-1 BARRATT	* PREP WORK	DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
D N	FE-2 KOPRA	PREP WORK	DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
I S S	FE-3 ROMANENKO	PREP WORK	DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
	FE-4 THIRSK	PREP WORK	D / L DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
	FE-5 DEWINNE	PREP WORK	DPC	PRE SLEEP-ISS			SLEEP	POST SLEEP		
TDRS AVAIL										
DAY/NIGHT										
DAILY ORBIT										
ORBIT		8 1700	9 1701	10 1702	11 1703	12 1704	13 1705	14 1706	15 1707	16 1708
NOTES		*EXERCISE ARED *D/L								

GMT 08/26/09 (238)

MET Day 008



STS 128	FD10 CDR STURCKOW	POST SLEEP	XUP FED RAT	EXERCISE	IP MS US*	N2N CBM CPA INSTL	MEAL	02 RCFG TO XFER	02 INIT SP INAL	OFF DUTY						
	PLT FORD	POST SLEEP	CW C- I13	CT WE C-M I	CX FE R-I	MPLM XFER	EXERCISE	MPLM XFER	P/TV08 EXT SVY S/U	P/TV08 EXT SRVY	FILTER CLEANING	MEAL	OFF DUTY			
	MS1 FORRESTER	POST SLEEP	PE AV OEN T	PS OL SEP	GL ACR #	MPLM XFER	DCB FAM	MPLM XFER	EXERCISE	MPLM XFER	GLACR SMPL XFER	GL ACR *	MEAL	GL ACR #	SP INAL	OFF DUTY
	MS2 HERNANDEZ	POST SLEEP			MPLM XFER	EXERCISE	MPLM XFER				MEAL			OFF DUTY		
	MS3 OLIVAS	POST SLEEP	PE AV OEN T	PS OL SEP	LIOH XFER	MPLM XFER	EXERCISE	MPLM XFER	MEAL	SAFER C/O			OFF DUTY			
	MS4 FUGLESANG	POST SLEEP			EXERCISE	N2N CBM CPA INSTL	GL PH AO CTO	MEAL	SP INAL	HA MS U	HA MS			OFF DUTY		



NOTES

#STATUS CHECK *CONFIG

BIAS -XLV -ZVV

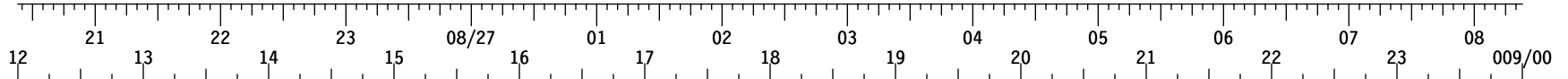
*CONFIG FOR DESCENT

#STATUS CHECK

FD10

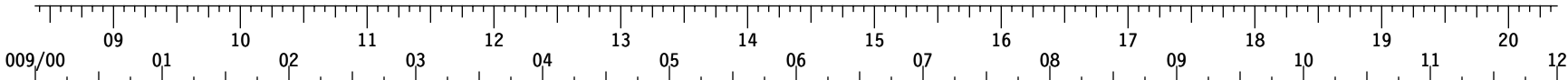
GMT 08/26/09 (238)

MET Day 008



U P	FE-2 EXP20 STOTT	POST SLEEP	DPC	PREP WORK		TH/O TVIS	SPINAL S/U	DCB FAM	HANDOVER		GLACR SMPL XFER	MIDDAY-MEAL	SP D	SPINAL DATA CLCT OPR	SPINAL H/W STOW	EXERCISE TVIS	OFF DUTY
	ISS CDR PADALKA	POST SLEEP	DPC	PREP WORK			PPC	RUSSIAN OPS		EXERCISE TVIS	TVIS HYG	MIDDAY-MEAL	COX MNT	OFF DUTY		EXERCISE VELO	
I S S	FE-1 BARRATT	POST SLEEP	DPC	PREP WORK		S L A M M D	STOW*		EXERCISE ARED		MIDDAY-MEAL	02 RCFG TO XFER	*	CEVIS	MPLM RACK CONFIG	OFF DUTY	
	FE-2 KOPRA	POST SLEEP	DPC	PREP WORK	S U	P E A V E N T S	TH/O TVIS	EXERCISE TVIS	HANDOVER		S E T U M P ^	MIDDAY-MEAL		DPART PREP	OFF DUTY		EXER ARED
I S S	FE-3 ROMANENKO	POST SLEEP	DPC	PREP WORK			PPC	RUSSIAN OPS			MIDDAY-MEAL	RUSSIAN OPS	OFF DUTY	VELO	EXERCISE TVIS	TVIS HYG	
	FE-4 THIRSK	POST SLEEP	DPC	PREP WORK		S L A M M D	EXERCISE ARED		EXERCISE TVIS	MPLM XFER	EVA CAMERA RCNFG	MIDDAY-MEAL	MPLM-GLA-SCAVENGE		MPLM RACK CONFIG	OFF DUTY	
	FE-5 DEWINNE	POST SLEEP	DPC	PREP WORK		S L A M M D	PPC	MPLM XFER	MPLM XFER		CEVIS	MIDDAY-MEAL	OFF DUTY		EXERCISE ARED	OFF DUTY	
TDRS AVAIL																	
DAY/NIGHT																	
DAILY ORBIT		16	1		2	3	4	5	6	7	8						
ORBIT		1708	1709	1710	1711	1712	1713	1714	1715	8							
		*SLAMMD					^SLAMMD					*02 INIT					
NOTES																	

GMT 08/27/09 (239)



MET Day 009

STS 128	FD10	CDR STURCKOW	OFF DUTY	PMC A/G	PRE SLEEP				SLEEP				FD11	LOG	POST SLEEP		
		PLT FORD	OFF DUTY		PRE SLEEP				SLEEP						POST SLEEP		
		MS1 FORRESTER	OFF DUTY	GLACR #	PRE SLEEP				SLEEP					LOG	POST SLEEP		
		MS2 HERNANDEZ	OFF DUTY	B S A %	PRE SLEEP				SLEEP					LOG	POST SLEEP		
		MS3 OLIVAS	OFF DUTY		PRE SLEEP				SLEEP						POST SLEEP		
		MS4 FUGLESANG	OFF DUTY	X F A R L E G R U P	P S E E P	P E A V O E N T	X F E R B R I E F	PRE SLEEP				SLEEP					LOG
DAY/NIGHT																	
ORBIT																	
TDRS W E Z																	
ISS TDRS AVAIL																	
ORB ATT																	
NOTES		#STATUS CHECK %TERM BIAS -XLV -ZVV															

FD10

GMT 08/27/09 (239)

MET Day 009 009/00 09 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 12

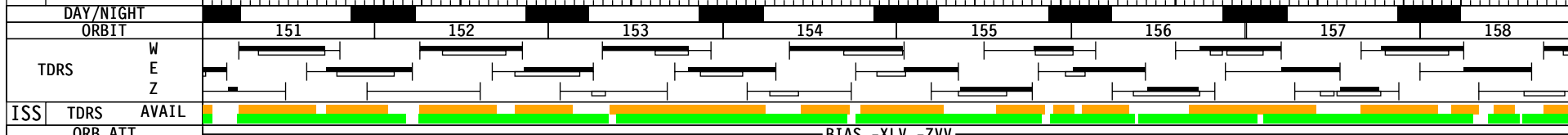
U P	FE-2 EXP20 STOTT	P W R O R E R P K	D P C	P R E P W O R K	P R E S L E E P - I S S	S L E E P	S L E E P	F D 1 1 P O S T S L E E P	
I S S	ISS CDR PADALKA	P W R O R E R P K	D P C	P R E P W O R K	P R E S L E E P - I S S	S L E E P	P O S T S L E E P	P O S T S L E E P	
	FE-1 BARRATT	P W R O R E R P K							
D N	FE-2 KOPRA	E A R R E R D	D P C	P R E P W O R K	P R E S L E E P - I S S	S L E E P	S L E E P	P O S T S L E E P	
I S S	FE-3 ROMANENKO	P W R O R E R P K	D P C	P R E P W O R K	P R E S L E E P - I S S	S L E E P	P O S T S L E E P	P O S T S L E E P	
	FE-4 HIRSK	P W R O R E R P K							
	FE-5 DEWINNE	D W L D * N D P C							P R E P W O R K
TDRS AVAIL									
DAY/NIGHT									
DAILY ORBIT									
ORBIT		8 1716	9 1717	10 1718	11 1719	12 1720	13 1721	14 1722	15 1723
NOTES		*PREP WORK							

GMT 08/27/09 (239)

MET Day 009

21 22 23 15 08/28 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 010/00

STS 128	FD11 CDR STURCKOW	POST SLEEP	PEAVOENT	UPFEDRAT	MDDK XFER	CINWCT4	MDDK XFER	CWC TERM	CINWCT5	MEAL	CWC TERM	CWC XFER	MDDK XFER	OUTLINE	O2 XFER TEARDOWN	EXERCISE	MPLMU##	APARL	FWARL	EGRS HATCH CLOSE	HATCH LEAK CHECK
	PLT FORD	POST SLEEP	PEAVOENT	EXERCISE	MDDK XFER	MEAL	SSRMS GRAPL	MPLM UNINSTL	MPLM UNGRPL	OBS#	NOV05	DEACT	FWARL	H/O							
	MS1 FORRESTER	POST SLEEP	PLYBKK*	POST SLEEP	GLACRU#	MDDK XFER	EXERCISE	MEAL	MDDK XFER	RRSLA	MDDK XFER	OBS#	GLACRU#	FWARL	EGRS HATCH CLOSE	HATCH LEAK CHECK					
	MS2 HERNANDEZ	POST SLEEP	PEAVOENT	POST EVA XFER/RCNFG	MEAL	SSRMS GRAPL	MPLM UNINSTL	MPLM UNGRPL	EXERCISE	FWARL	WLELS	RNDZ TOOLS C/O	*								
	MS3 OLIVAS	POST SLEEP	PLYBKK*	POST SLEEP	POST EVA XFER/RCNFG	EXERCISE	MEAL	MDDK XFER	P/TV06	MDDK XFER	XFAEGRUP	XFER BRIEF	FWARL	RNDZ TOOLS C/O							
	MS4 FUGLESANG	POST SLEEP	MPLM EGRS	MDPELAMCT	MPLM VEST DEMATE	MPLM VEST DEPRESS	N2 CBM DEMATE	MEAL	MDDK XFER	FWARL	FMDPLY	EXERCISE									



NOTES

*CREW CHOICE #STATUS CHECK *FILTER CK

NO EXERCISE (CBM BOLT LOADING)

NO ARED EXERCISE (MPLM UNINSTALL) FLT PLAN/128/FIN

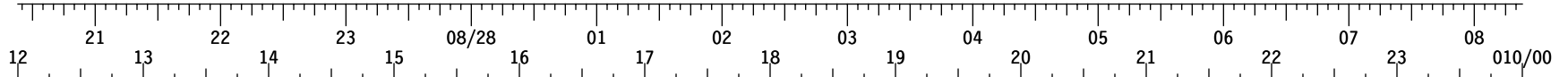
*CAB REG SYS 1 %HTR ACT #ACT *DEACT #MNVR TO UNDOCK #STATUS CHECK

*C/L CAMERA

FD11

GMT 08/27/09 (239)

MET Day 009



U P	FE-2 EXP20 STOTT	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	P E A V E O N T	EVA TOOL RESTOW	HANDOVER	BLD DRW SUBJ	HANDOVER	N2 CBM DEMATE	MIDDAY-MEAL	DCB RVW	DCB PACK	FFQ	CEVIS	FW A E R L E L	HATCH CLOSE	PREP WORK		
I S S	ISS CDR PADALKA	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	RUSSIAN OPS			EXERCISE TVIS	TVIS HYG	MIDDAY-MEAL	COX MNT	EXERCISE VELO			FW A E R L E L		PREP WORK			
	FE-1 BARRATT	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	PMA3 PRESS	I N S P C T	E V A C	EXERCISE ARED	G S C	S A L T I O D	B S / U	BLD DRAW OPR	S T O W	FFQ	MIDDAY-MEAL	* O2 XFER TEARDOWN	CEVIS	G S C	FW A E R L E L	HATCH CLOSE
D N	FE-2 KOPRA	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	D P A R T P R E P	EXERCISE TVIS	HANDOVER	FFQ	HANDOVER	MIDDAY-MEAL	S / U	EXERCISE ARED			FW A E R L E L					
I S S	FE-3 ROMANENKO	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	RUSSIAN OPS			EXERCISE TVIS	TVIS HYG	VELO	MIDDAY-MEAL	RUSSIAN OPS			FW A E R L E L		PREP WORK			
	FE-4 THIRSK	POST SLEEP	PW R O R E R P K	D P C	PW R O R E R P K	S / U	P E A V E O N T	CEVIS	EXERCISE ARED	FFQ	MIDDAY-MEAL	DCB RVW	DCB PACK	D X C F B E R	TVIS	FW A E R L E L		D W N L D	PREP WORK		
	FE-5 DEWINNE	POST SLEEP	PW R O R E R P K	D P C	M P L M E G R S	M D P E L A M C T	MPLM VEST DEMATE			MPLM VEST DEPRESS			MIDDAY-MEAL	FFQ	C F W I C L I L 1	C F W I C L I L 2	EXERCISE TVIS	FW A E R L E L	EXERCISE ARED		
TDRS AVAIL																					
DAY/NIGHT																					
DAILY ORBIT																					
ORBIT		1	2	3	4	5	6	7	8												
		1724	1725	1726	1727	1728	1729	1730	1731												

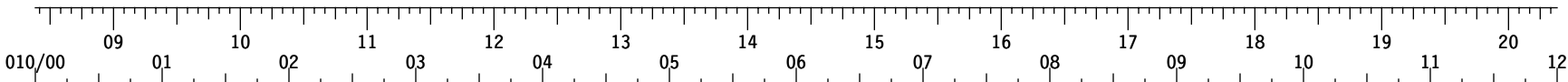
*02 TERM

NOTES

NO EXERCISE **NO ARED EXERCISE**

 (CBM BOLT LOADING) (MPLM UNINSTALL)

GMT 08/28/09 (240)



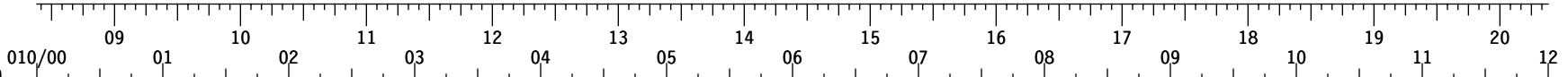
MET Day 010

S T S 1 2 8	FD11	CDR STURCKOW	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	FD12	POST SLEEP
	PLT FORD	H/O	PRE SLEEP		SLEEP	POST SLEEP		
	MS1 FORRESTER		PRE SLEEP		SLEEP	POST SLEEP		
	MS2 HERNANDEZ	*	PRE SLEEP		SLEEP	POST SLEEP		
	MS3 OLIVAS		PRE SLEEP		SLEEP	POST SLEEP		
	MS4 FUGLESANG		PRE SLEEP		SLEEP	POST SLEEP		
	MS5 KOPRA		PRE SLEEP		SLEEP	POST SLEEP		
DAY/NIGHT								
ORBIT		159 160 161 162 163 164 165 166						
TDRS W E Z								
ATTITUDE		BIAS -XLV -ZVV						
NOTES		*C/L CAMERA INST-UNDK						

FD11

GMT 08/28/09 (240)

MET Day 010



U P	NAME	P W R O R E R P K	D P C	PRE SLEEP-ISS	SLEEP	POST SLEEP				
	FE-2 EXP20 STOTT					FD12				
	ISS CDR PADALKA					POST SLEEP				
	FE-1 BARRATT					POST SLEEP				
	FE-3 ROMANENKO					POST SLEEP				
	FE-4 THIRSK					POST SLEEP				
	FE-5 DEWINNE	*				POST SLEEP				
	TDRS AVAIL									
	DAY/NIGHT									
	DAILY ORBIT	8	9	10	11	12	13	14	15	16
	ORBIT		1732	1733	1734	1735	1736	1737	1738	1739
	NOTES	*EXERCISE ARED								

GMT 08/28/09 (240)

MET Day 010

12 21 13 22 14 23 15 08/29 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 011/00

STS 128	FD12	POST SLEEP		GP RWH PR/UP BP	MNVR UNDOCK	UNDOCK OPS	FLYAROUND/SEP	SEP1Δ SEP2Δ	MDU NMVRP	W ANSTTE	C ABBT	H R #	C O M M I	W E A R S T M E	GP RWH PR/UP BP	MS TV BD	S E A C T	MEAL	MN NO V S R E	M P N O R T	EXERCISE	M N Z L V	PRE SLEEP
	PLT FORD	POST SLEEP	A P C U #	POST SLEEP	A P C U *	POST SLEEP	GP RWH PR/UP BP	P S O L S E T P	I M U	UNDOCK OPS	FLYAROUND/SEP	MEAL	FF L I E L D	GP RWH PR/UP BP	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	OBSS BERTH					
	MS1 FORRESTER	POST SLEEP				M C L A C T R #	UNDOCK OPS	FLYAROUND/SEP	MEAL	FF L I E L D	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	OBSS BERTH									
	MS2 HERNANDEZ	POST SLEEP			T R I D A R @	UNDOCK OPS	FLYAROUND/SEP	POST UNDK PGSC CNFG	T R I D A R *	MEAL	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	OBSS BERTH									
	MS3 OLIVAS	POST SLEEP		S P S O L S E T P			* P/TVO3 UNDOCK	P D T E V A S I O C T E	W A N S T T E	W E A R S T M E	S O L I A	MEAL	EVA UNPACK & STOW	PST ISS EVA ENT PREP	C T W C T /D	EXERCISE	PRE SLEEP						
	MS4 FUGLESANG	POST SLEEP				UNDOCK OPS	FLYAROUND/SEP			EXERCISE	MEAL	EVA UNPACK & STOW	PST ISS EVA ENT PREP	LDRI DNLK									
	MS5 KOPRA	POST SLEEP		EXERCISE	UNDOCK OPS	FLYAROUND/SEP	MEAL			EXERCISE			PRE SLEEP										
DAY/NIGHT	[Timeline with day/night indicators]																						
ORBIT	166 167 168 169 170 171 172 173 174																						
TDRS	W E Z [Timeline with TDRS activity]																						
ATTITUDE	BIAS -XLV -ZVV UNDOCKING FLYAROUND -ZLV +YVV STBD SURVEY NOSE SURVEY PORT SURVEY																						
NOTES	#ACT *DEACT *DEACT #STATUS CHECK *FILTER CK *UNDOCK 10/15:28 *REG RCNFG #RECONFIG *DEACT																						

GMT 08/28/09 (240)

21 22 23 08/29 01 02 03 04 05 06 07 08
 MET Day 010 12 13 14 15 16 17 18 19 20 21 22 23 011/00

ISS	FD12	FE-2 EXP20 STOTT	POST SLEEP	PREP WORK	DPC		EXERCISE TVIS		IMV DUCT RMV	EXERCISE ARED	MIDDAY-MEAL	BPSMU STOW	V S I E T U P	M W R D A E S T F E I R L L	PRE SLEEP-ISS	
		ISS CDR PADALKA	POST SLEEP	PREP WORK	DPC				EXERCISE TVIS	TVIS HYG	MIDDAY-MEAL			EXERCISE VELO	PRE SLEEP-ISS	
		FE-1 BARRATT	POST SLEEP	PREP WORK	DPC		CEVIS	PMA2 DPRS S/U	PMA2 PT1		PMA2 PT2	MIDDAY-MEAL	PMA2 PT3	A V I D I O	EXERCISE ARED	PRE SLEEP-ISS
		FE-3 ROMANENKO	POST SLEEP	PREP WORK	DPC					VELO	MIDDAY-MEAL			EXERCISE TVIS	TVIS HYG	PRE SLEEP-ISS
		FE-4 THIRSK	POST SLEEP	PREP WORK	DPC	J P M C L S		EXERCISE ARED			MIDDAY-MEAL			EXERCISE TVIS	F I C A	PRE SLEEP-ISS
		FE-5 DEWINNE	POST SLEEP	PREP WORK	DPC				U N I D D E K E O	P B A *	CEVIS	MIDDAY-MEAL		EXERCISE ARED		PRE SLEEP-ISS
TDRS AVAIL		[Color-coded availability bars]														
DAY/NIGHT		[Color-coded day/night bars]														
DAILY ORBIT		16	1	2	3	4	5	6	7	8						
ORBIT		1739	1740	1741	1742	1743	1744	1745	1746	1747						

UNDOCK

NO ARED *PBA RELOCATE

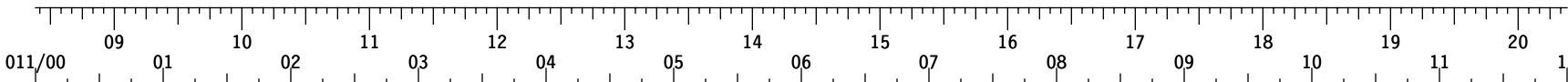


*UNDOCK 10/15:28

NOTES

GMT 08/29/09 (241)

MET Day 011



STS 128	FD12	CDR STURCKOW	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	FD13	LOG	POST SLEEP	
		PLT FORD	OB BE SR ST H		PRE SLEEP	SLEEP			POST SLEEP	
		MS1 FORRESTER	OB BE SR ST H	RP MW RR DN	PRE SLEEP	SLEEP		LOG	POST SLEEP	
		MS2 HERNANDEZ	OB BE SR ST H	RP MW RR DN	PRE SLEEP	SLEEP		D S L V	PS OL SE TE P D S L V	POST SLEEP
		MS3 OLIVAS	PRE SLEEP	PO LP YS BK	PRE SLEEP	SLEEP			POST SLEEP	
		MS4 FUGLESANG	* PRE SLEEP	OC CA	PRE SLEEP	SLEEP		LOG	POST SLEEP	
		MS5 KOPRA	PRE SLEEP	GL AC R #	PRE SLEEP	SLEEP		D S L V A	PS OL SE TE P D S L V	POST SLEEP
DAY/NIGHT		[Timeline with day/night indicators]								
ORBIT		[Timeline with orbit parameters]								
TDRS W E Z		[Timeline with TDRS activity]								
ATTITUDE		[Timeline with attitude data]								
NOTES		*LDRI DNLK *DOWNLINK RATE RECONFIG #STATUS CHECK								

GMT 08/29/09 (241)

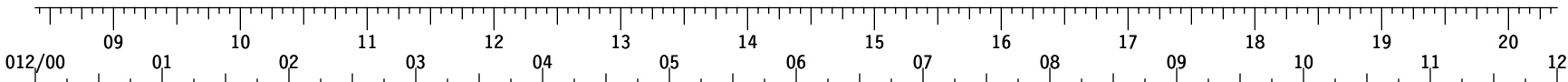
MET Day 011

12 21 13 22 14 23 15 08/30 16 01 17 02 18 03 19 04 20 05 21 06 22 07 23 08 012/00

STS 128	FD13	CDR STURCKOW	POST SLEEP	EXERCISE	BSLE T O U D P	BLOOD COLL OPR	STO W	FCS C/O	RFI S H O T	PILOT OPS	COM M 2	PE A V O E N T	MS N I M R O	SIM O I N I T	D/O B R I E F	MEAL	SIM O T E R M	L-1 C O M M C H K	CABIN S T O W	L-1 C O M M C H K	CABIN S T O W	PRE S L E E P	ENT R Y *	PRE S L E E P
	PLT FORD	POST SLEEP	POST SLEEP	EXERCISE	FCS C/O	RFI S H O T	PILOT OPS	COM M 2	PE A V O E N T	CABIN S T O W	D/O B R I E F	MEAL	EVS N I E T D T R E U Y O P	C I O N I N I T	CABIN S T O W	C T O E N R N D M D T	C I O N I N I T	CABIN S T O W	C T O E N R N D M D T	CABIN S T O W	C T O E N R N D M R V	M - Z L V	PRE S L E E P	
	MS1 FORRESTER	POST SLEEP	GLA C R R #	FILTER C L E A N I N G	EXERCISE	CABIN S T O W	PE A V O E N T	SIM O I N I T	D/O B R I E F	MEAL	SIM O T E R M	C I O N I N I T	CABIN S T O W	C T O E N R N D M D T	C I O N I N I T	CABIN S T O W	GLA S T O W #	C T O E N R N D M	PRE S L E E P					
	MS2 HERNANDEZ	POST SLEEP	BCS L O U L O L J D	W L I S	FCS C/O	RFI S H O T	PILOT OPS	D S L V	PE A V O E N T	CABIN S T O W	D/O B R I E F	MEAL	D S L V	EXERCISE	CABIN S T O W	M A D S *	W L E A S T	P G S C S T O W P A R T I	PRE S L E E P					
	MS3 OLIVAS	POST SLEEP	EXERCISE	S D S E V A C T	CABIN S T O W	PAO S / U	PE A V O E N T	CABIN S T O W	D/O B R I E F	MEAL	CABIN S T O W	ERG S T O W	R C M B N T S E A T S / U	LAUNCH E N T R Y S U I T C K	PRE S L E E P									
	MS4 FUGLESANG	POST SLEEP	*A C C O	CABIN S T O W	FCS C / O P / T V	CABIN S T O W	EXERCISE	PE A V O E N T	CABIN S T O W	D/O B R I E F	MEAL	O C A	CABIN S T O W	K U S T O W	PRE S L E E P									
	MS5 KOPRA	POST SLEEP	BCS L O U L O L J D	CABIN S T O W	EXERCISE	D S L V	CABIN S T O W	PE A V O E N T	CABIN S T O W	D/O B R I E F	MEAL	CABIN S T O W	D S L V	CABIN S T O W	ERG S T O W	R C M B N T S E A T S / U	LAUNCH E N T R Y S U I T C K	PRE S L E E P						
DAY/NIGHT		[Timeline bars for Day/Night]																						
ORBIT		[Timeline bars for Orbit]																						
TDRS		[Timeline bars for TDRS]																						
GND		[Timeline bars for GND]																						
ATTITUDE		[Timeline bars for Attitude]																						
NOTES		#ACT *DEACT #STATUS CHECK *DOWNLINK RATE RECONFIG 2-45 -ZLV -XVV -MLA -WSS -DFR -MLA *DOWNLINK RATE RECONFIG FLT PLAN/128/FIN *PWR ON *COOLING CNFG #STATUS CHECK																						

GMT 08/30/09 (242)

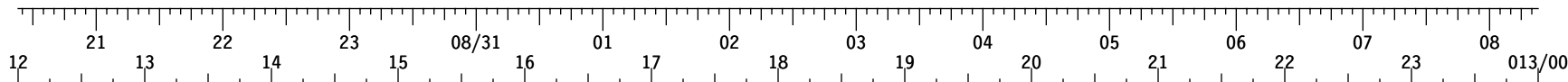
MET Day 012



STS 128	FD13	CDR STURCKOW	*PMC A/G	PRE SLEEP	SLEEP	LOG	FD14	POST SLEEP	PMC A/G	WATCH	
		PLT FORD		PRE SLEEP	SLEEP			POST SLEEP	IPACU#	APLUD/A	
		MS1 FORRESTER		PRE SLEEP	SLEEP	LOG		POST SLEEP			
		MS2 HERNANDEZ		PRE SLEEP	SLEEP	SLVAG		POST SLEEP			
		MS3 OLIVAS		PRE SLEEP	SLEEP			POST SLEEP			
		MS4 FUGLESANG		PRE SLEEP	SLEEP	LOG		POST SLEEP			
		MS5 KOPRA		PRE SLEEP	SLEEP	SLV		POST SLEEP			
DAY/NIGHT											
ORBIT											
TDRS W E Z											
ATTITUDE		-ZLV -XVV									
NOTES		*PRE SLEEP #ACT *DEACT									

GMT 08/30/09 (24Z)

MET Day 012



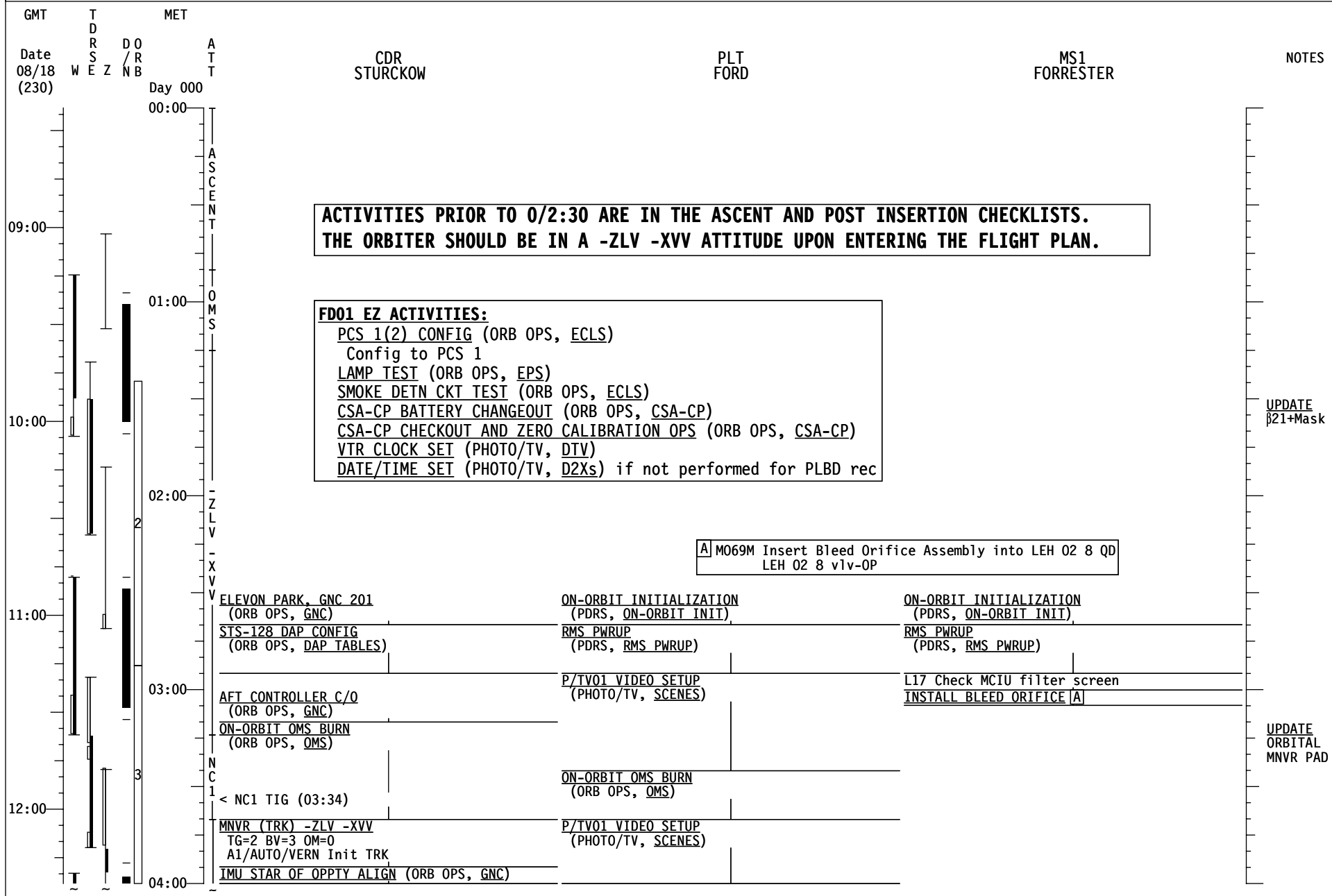
STS 128	FD14	GP RW PR UP BP	IMU ALIGN & VERIF	T- RX K S I	DEORBIT PREP		
	PLT FORD	GP RW PR UP BP	POST SLEEP		DEORBIT PREP		
	MS1 FORRESTER		POST SLEEP	GL LA IT CR AW #	DEORBIT PREP	D / O	L A N D I N G
	MS2 HERNANDEZ	PS OL SE TE PH	LA PG SC ST OW D S H II	DA TI OR 6 S M P	DEORBIT PREP	B U R N	L A N D I N G
	MS3 OLIVAS		POST SLEEP	OS CT AO CW	DEORBIT PREP		
	MS4 FUGLESANG		POST SLEEP	SW TO W H ^	MT P W E P R C C D N		
	MS5 KOPRA		POST SLEEP	W A T C H	DEORBIT PREP		
DAY/NIGHT							
ORBIT							
TDRS							
ATTITUDE							
NOTES		<p>#STATUS CHECK *ENABLE ^SALIVA KIT</p> <p style="text-align: right;">D/O TIG 12/16:58 KSC LANDING 12/18:01</p>					

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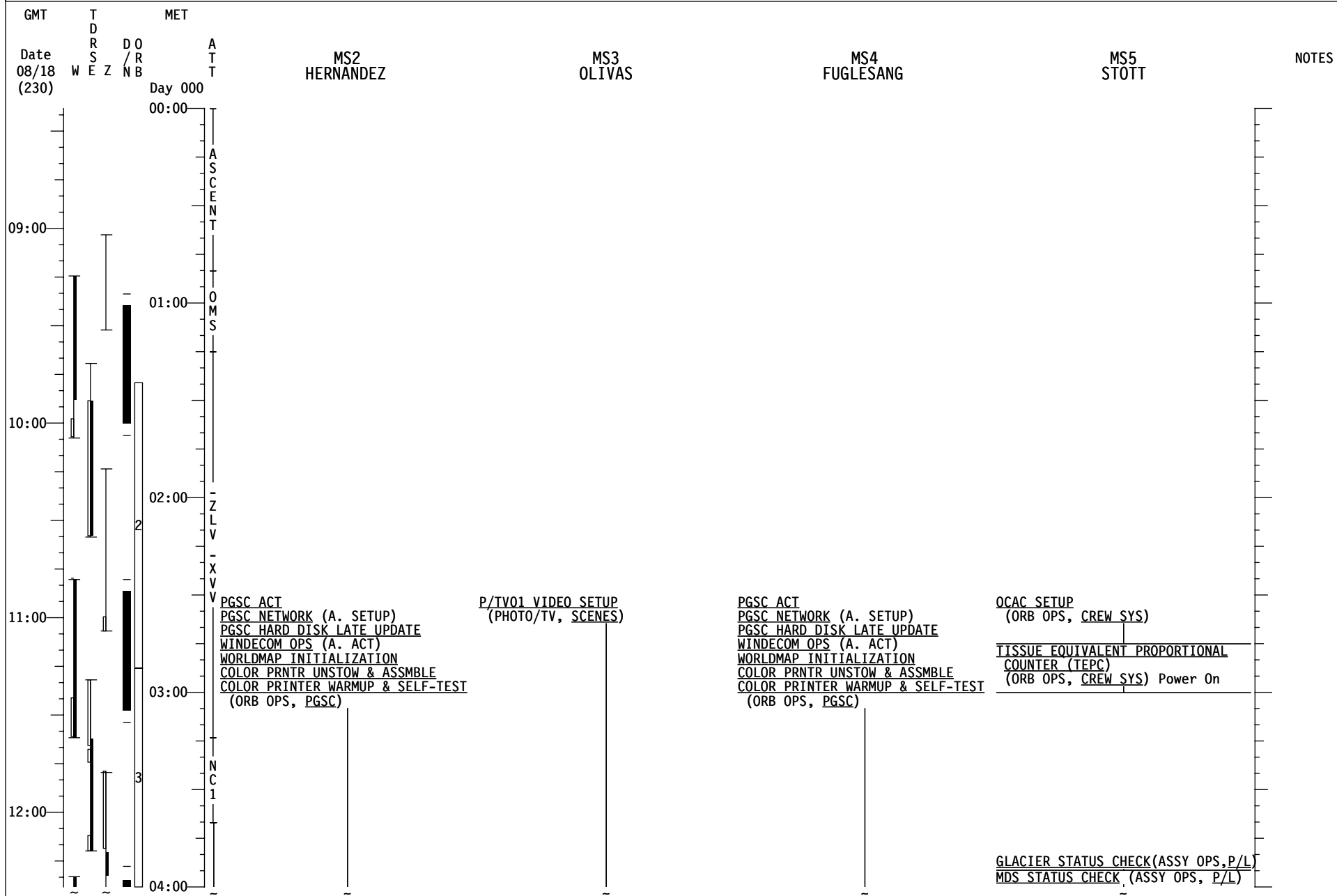
DETAILED TIMELINE

DETAILED
TIMELINE

STS-128/17A FD01



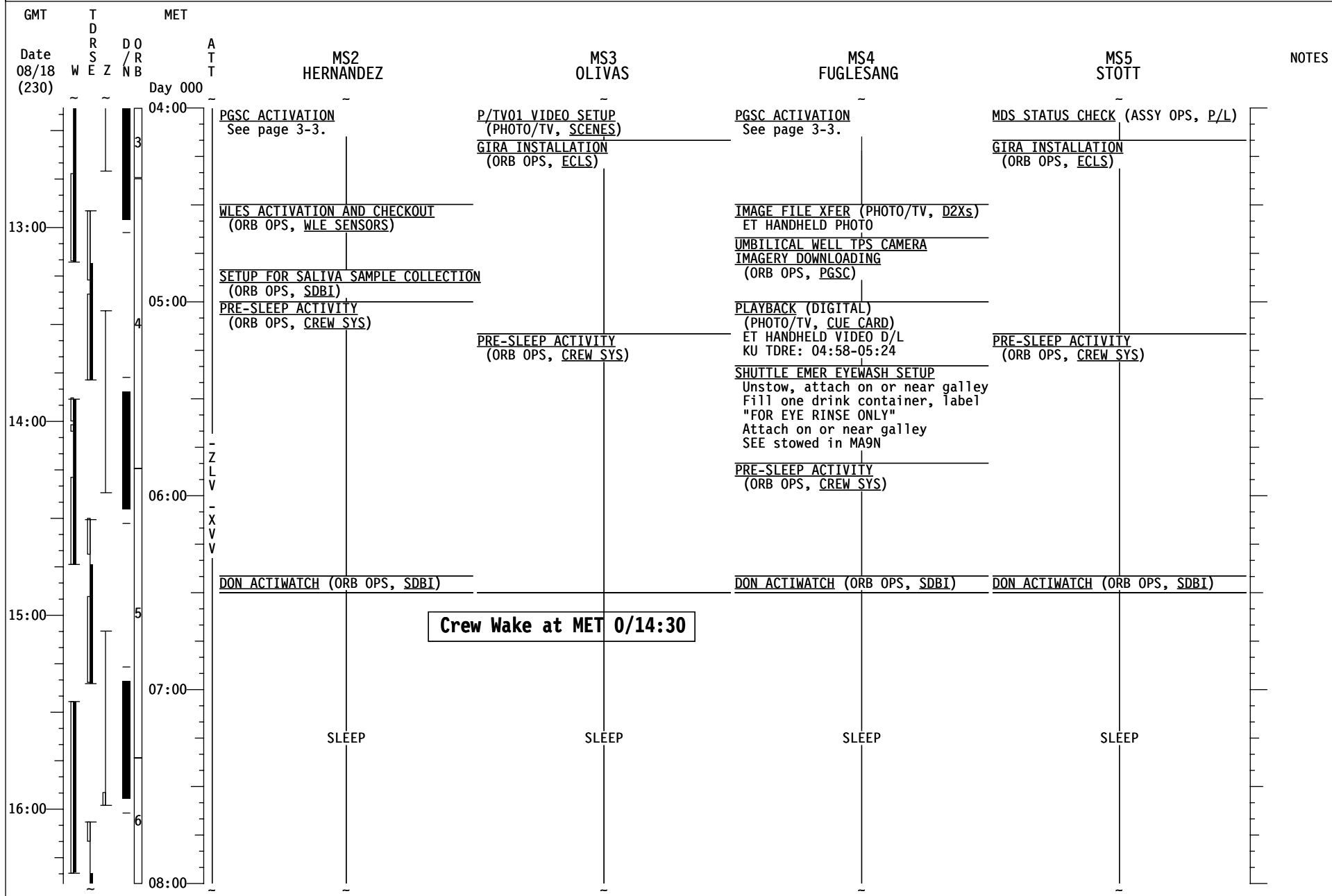
STS-128/17A FD01



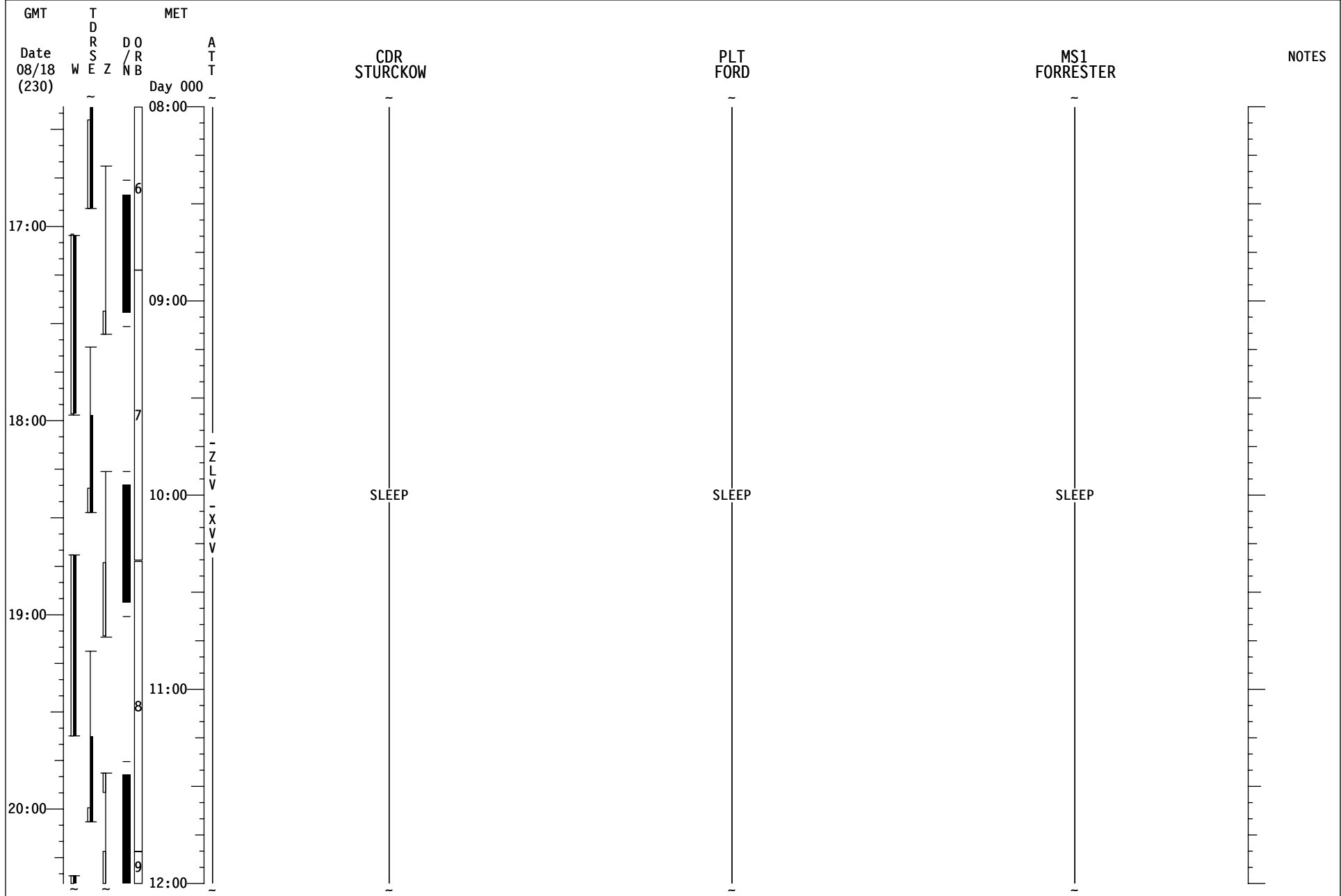
STS-128/17A FD01

GMT	T D R S W E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/18 (230)		Day 000					
13:00		04:00	3	<p><u>PRIORITY PWRDN GRP B</u> (ORB PKT, <u>PRIOR PWRDN</u>) Steps 2,5,6(Single G2),9,10 & 12 (IMU 1)</p> <p><u>APU FDI RECONFIGS</u> [B]</p> <p>SSP1 OIU PWR - OIU 1 ON (tb-UP)</p> <p>ON MCC GO: A15 APCU 1 OUTPUT - ON CONV - ON</p>	<p><u>PRIORITY PWRDN GRP B</u> (ORB PKT, <u>PRIOR PWRDN</u>) Steps 2,5,6(Single G2),9,10 & 12 (IMU 1)</p> <p><u>RMS CHECKOUT</u> (PDRS, <u>RMS C/O</u>)</p>	<p><u>RMS CHECKOUT</u> (PDRS, <u>RMS C/O</u>)</p>	<p>UPDATE TFL 199</p>
				<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>[B] R2 BLR PWR(three)-OFF A12 APU HTR GG/FU PMP(three)-A AUTO</p> </div>			<p>MPLM ENVIRNMNT CHECK</p>
		05:00	4	<p>ON MCC GO: A15 APCU 1 CONV - OFF OUTPUT - OFF</p> <p>SSP1 OIU PWR - OFF (tb-bp)</p> <p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)</p>	<p>RMS PLB SURVEY</p>	<p>RMS PLB SURVEY</p>	<p>UPDATE TFL 188</p>
14:00				<p>Z PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2</p>	<p><u>RMS PWRDWN</u> (PDRS, <u>RMS PWRDN</u>) Step 1 only</p> <p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)</p>	<p><u>RMS PWRDWN</u> (PDRS, <u>RMS PWRDN</u>) Step 1 only</p> <p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)</p>	
		06:00		<p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)</p>			
				<p>X V V</p>			
15:00			5	<p><u>DON ACTIWATCH</u> (ORB OPS, <u>SDBI</u>)</p>		<p><u>DON ACTIWATCH</u> (ORB OPS, <u>SDBI</u>)</p>	
				<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Crew Wake at MET 0/14:30</p> </div>			
		07:00		<p>SLEEP</p>	<p>SLEEP</p>	<p>SLEEP</p>	
16:00			6				
		08:00					

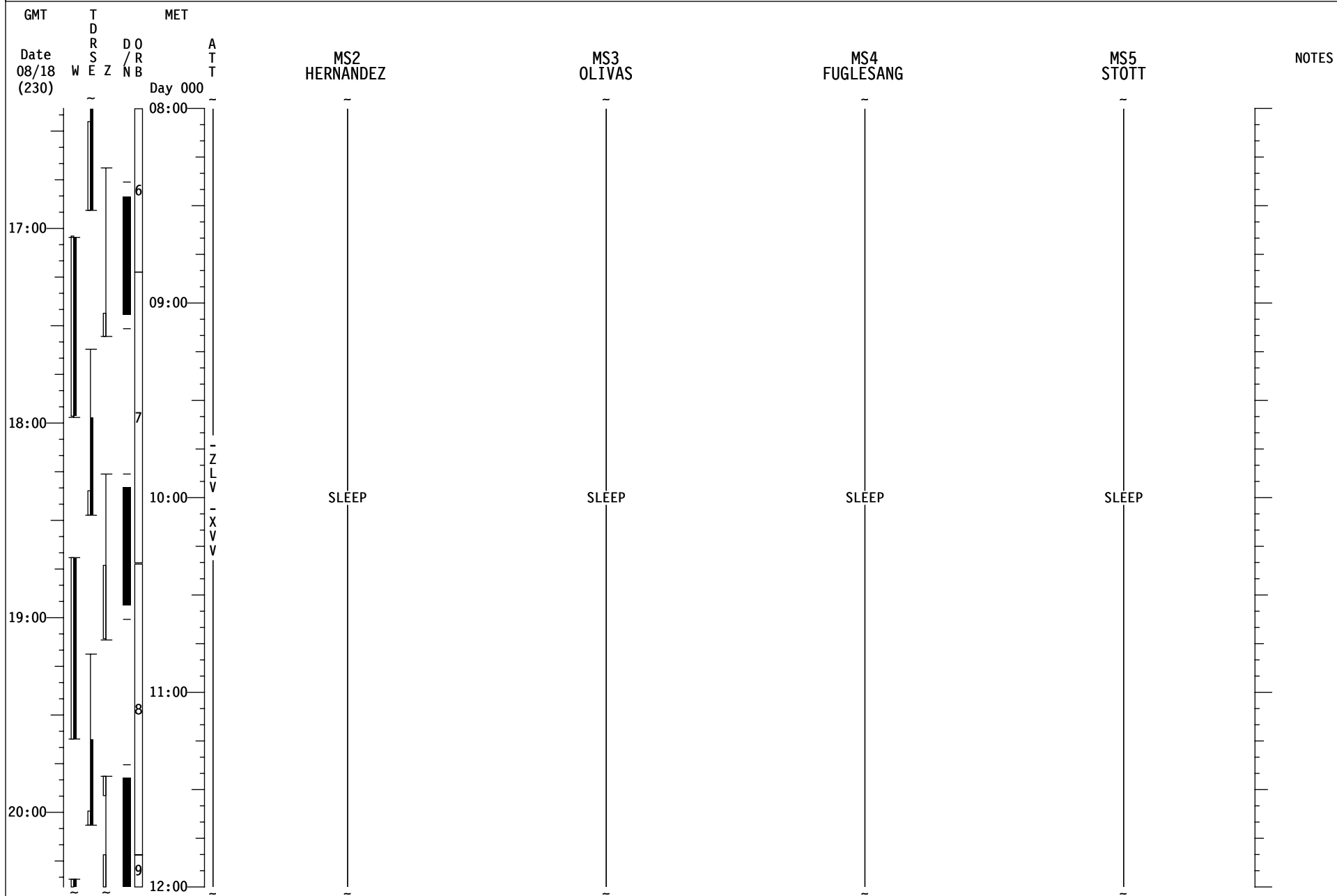
STS-128/17A FD01



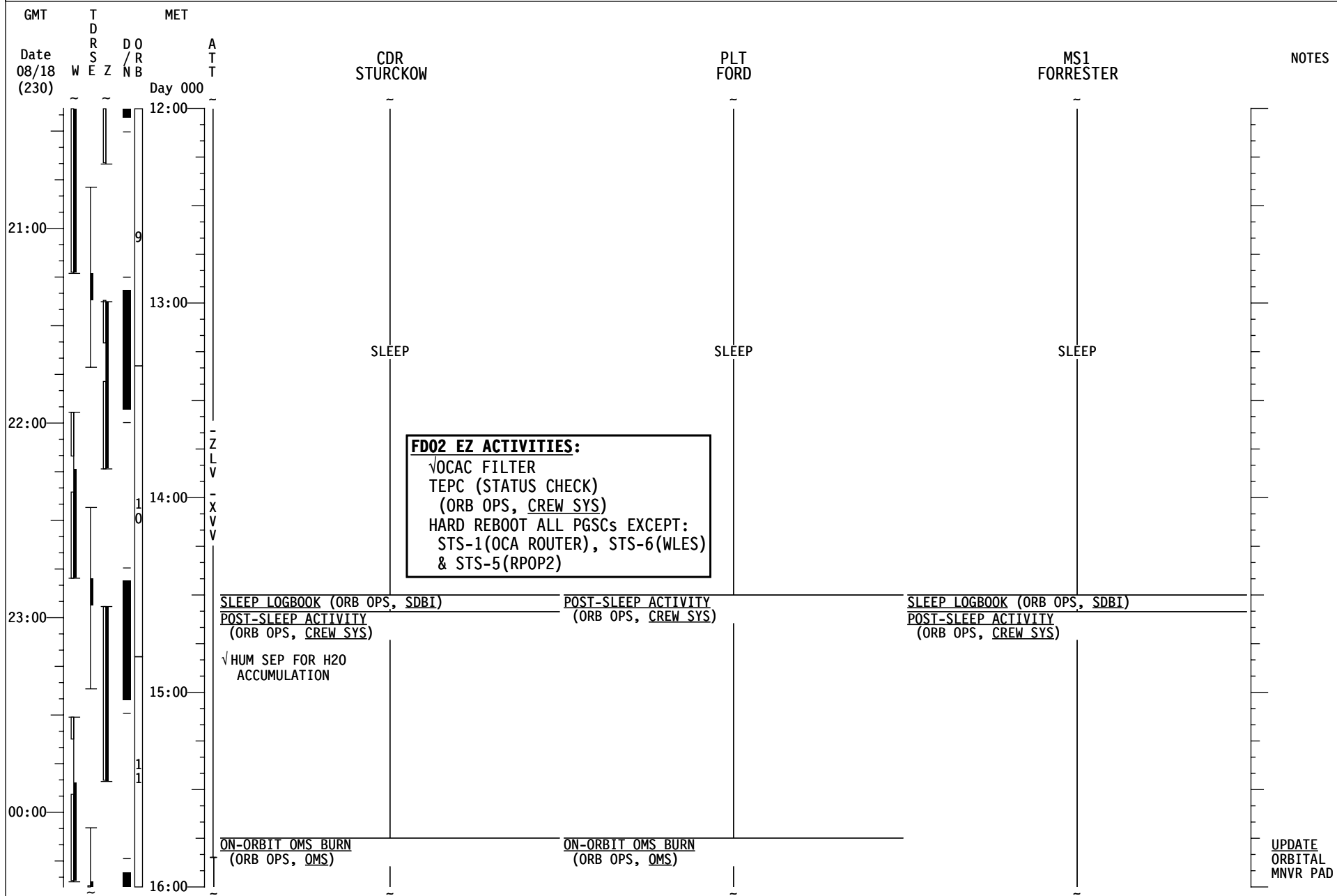
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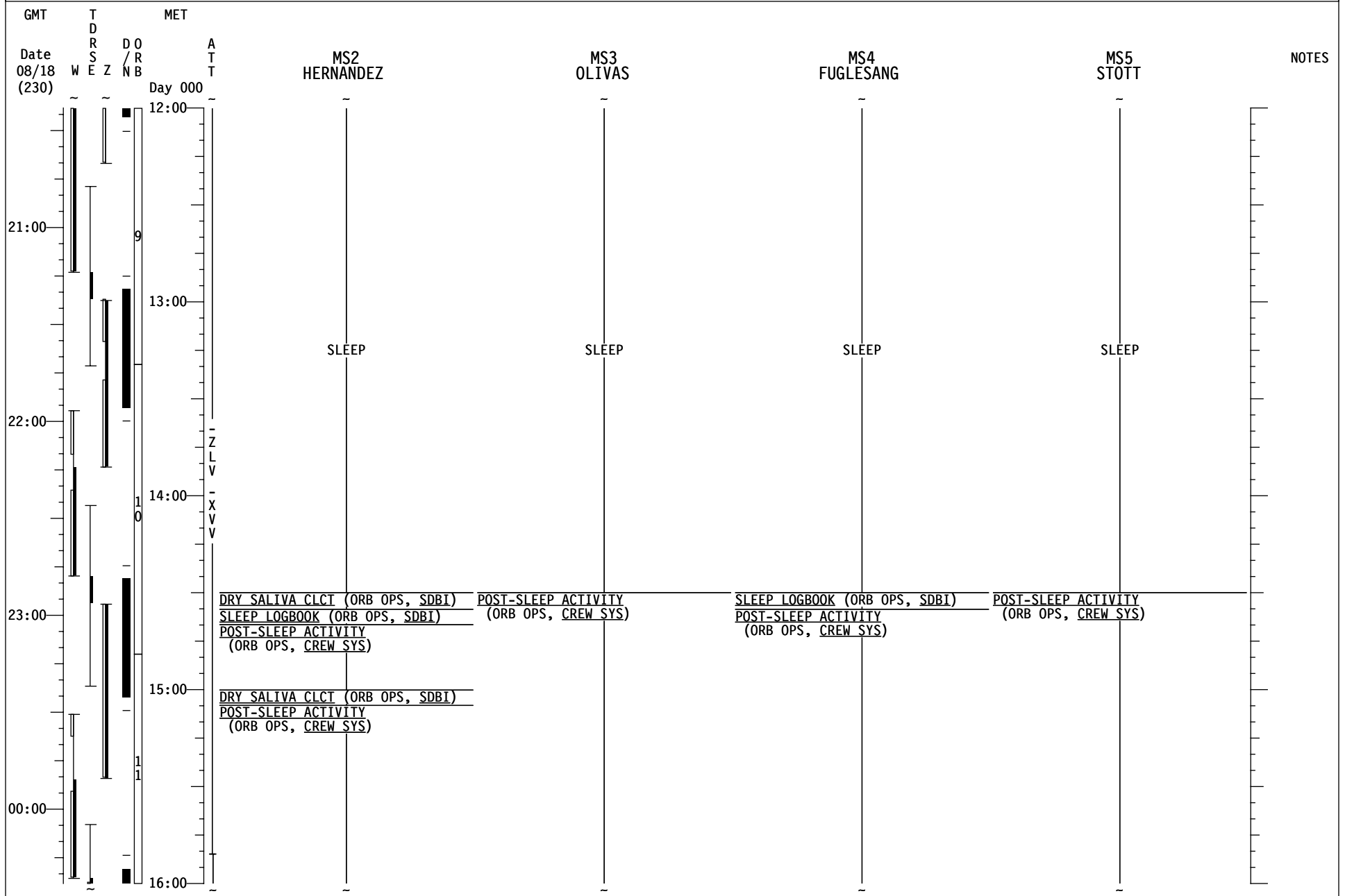
STS-128/17A FD01



STS-128/17A FD02



STS-128/17A FD02

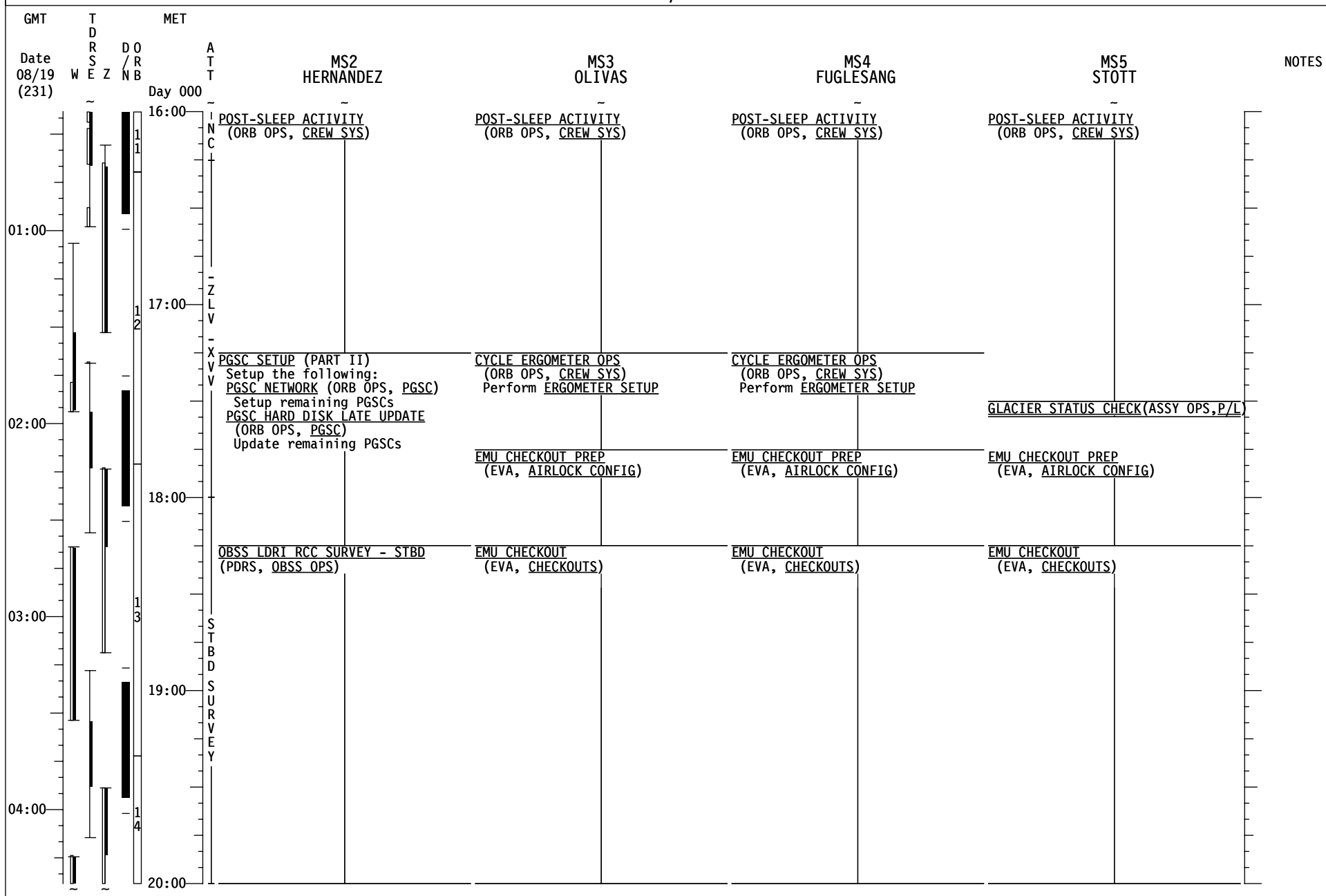


STS-128/17A FD02

GMT	T D R S W E Z	MET Day 000	A T T N C	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
01:00	11	16:00	ON-ORBIT OMS BURN (ORB OPS, OMS) C < NC2 TIG (16:11)	ON-ORBIT OMS BURN (ORB OPS, OMS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPDATE ORBITAL MNVR PAD
		MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)				
		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)					
		17:00	Z L V X V V V	OBSS UNBERTH (PDRS, OBSS OPS) Prior to Step 3: √A15 APCU 2 OUTPUT - OFF	OBSS UNBERTH (PDRS, OBSS OPS) Prior to Step 3: √A15 APCU 2 OUTPUT - OFF	L17 Check MCIU filter screen	
02:00	12	18:00	RCS/OMS POD HTR RECONFIG [A] R2 BLR CNTLR/HTR (three) - B MNVR (TRK) BIAS +YSI (STBD SURVEY) TG=4 BV=5 P=0 Y=40 OM=230 A14/AUTO/VERN, OBSS UNBERTH cmlpt, Init TRK	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)		
		EXERCISE					
03:00	13	19:00	SSP1 OIU PWR - OIU 1 ON (tb-UP) ON MCC GO: A15 APCU 1 OUTPUT - ON				UPDATE TFL 199
04:00	14	20:00	ON MCC GO: A15 APCU 1 OUTPUT - OFF SSP1 OIU PWR - OFF (tb-bp)				MPLM PRESSURE CHECK
							UPDATE TFL 188

[A] A14 RCS/OMS HTR L POD - A OFF
 - B AUTO
 R POD - A OFF
 - B AUTO

STS-128/17A FD02



STS-128/17A FD02

GMT	T D R S E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/19 (231)	W E Z	DO R / N B	Day 000				
05:00			NOSE SURVEY	MEAL	MEAL	MEAL	
06:00			NOSE SURVEY				
07:00			PORT SURVEY				
08:00			PORT SURVEY				
00:00							

20:00 MNVR (TRK) BIAS +XSI (NOSE CAP SURVEY)
 TG=4 BV=5 P=330 Y=0 OM=260
 A14/AUTO/VERN, RCC SURVEY-STBD cmlt, Init TRK

MEAL

MEAL

OBSS LDRI RCC SURVEY - NOSE CAP
 (PDRS, OBSS OPS)

OBSS LDRI RCC SURVEY - NOSE CAP
 (PDRS, OBSS OPS)

OBSS LDRI RCC SURVEY - PORT
 (PDRS, OBSS OPS)

OBSS LDRI RCC SURVEY - PORT
 (PDRS, OBSS OPS)

22:00 MNVR (TRK) BIAS -YSI (PORT SURVEY)
 TG=4 BV=5 P=0 Y=323 OM=280
 A14/AUTO/VERN, RCC SURVEY-PORT Step 3 cmlt, Init TRK

FC PURGE - MANUAL
 (ORB OPS, EPS)

FILTER CLEANING
 (IFM, SCHEDULED MAINTENANCE)

OBSS BERTH
 (PDRS, OBSS OPS)

OBSS BERTH
 (PDRS, OBSS OPS)

MNVR (TRK) -ZLV -XV
 TG=2 BV=3 OM=0
 A14/AUTO/VERN,
 RCC SURVEY-PORT Step 12 cmlt, Init TRK

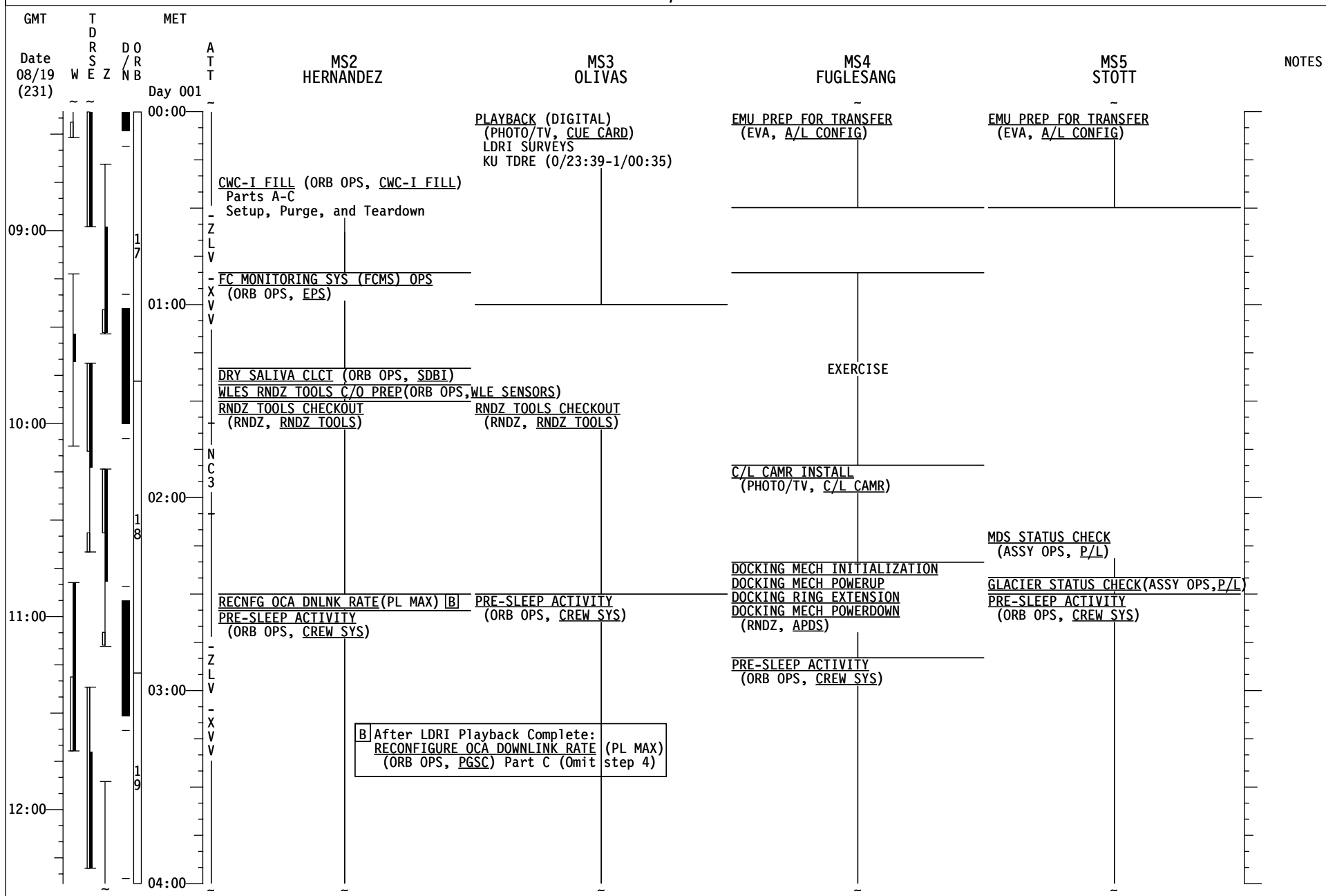
STS-128/17A FD02

GMT	T D R S E Z	MET	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	MS5 STOTT	NOTES
Date 08/19 (231)	W E Z	Day 000						
05:00		14	NOSE SURVEY	MEAL	MEAL	MEAL	MEAL	
21:00				DRY SALIVA CLCT (ORB OPS, SDBI) OBSS LDRI RCC SURVEY - NOSE CAP (PDRS, OBSS OPS)	MIDDECK TRANSFER PREP Ref. MSG XXX	MIDDECK TRANSFER PREP Ref. MSG XXX		
06:00		15	VEY					
22:00				OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPS)				
07:00			PORT SURVEY					
23:00		16				EMU PREP FOR TRANSFER (EVA, A/L CONFIG)	EMU PREP FOR TRANSFER (EVA, A/L CONFIG)	
08:00					EXERCISE			
00:00								

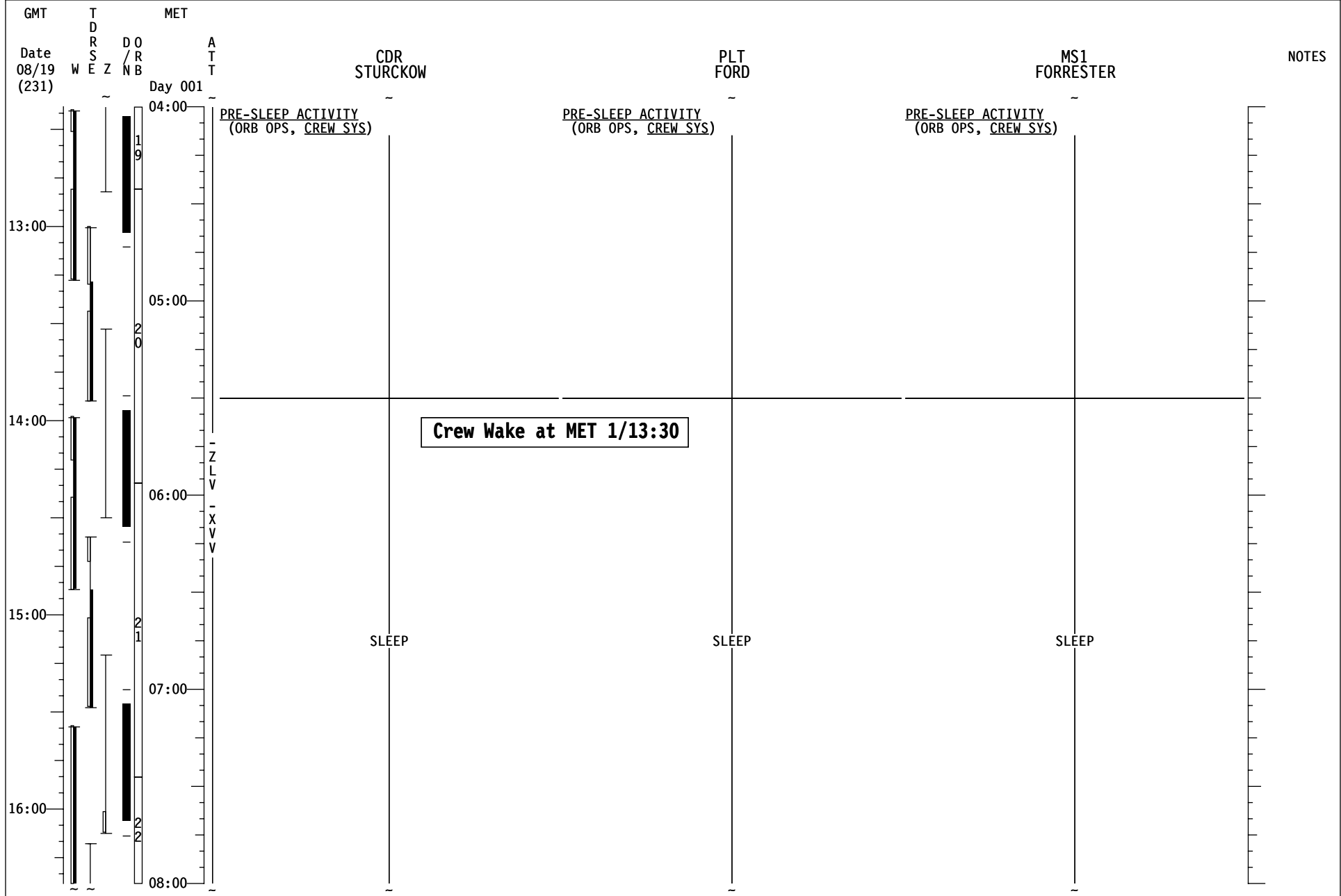
STS-128/17A FD02

GMT Date 08/19 (231)	T D R S E Z	MET Day 001	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
	W	00:00	Z L V	<u>MNVR (TRK) -ZLV -XVV See pg. 3-12</u> <u>IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)</u>	<u>OBSS BERTH</u> (PDRS, OBSS OPS)	<u>OBSS BERTH</u> (PDRS, OBSS OPS)	
09:00		01:00	X V V	<u>NLP VACCINE-5 ACTIVATION</u> (ASSY OPS, P/L) Activate GAPS 1-16			
		10:00	N C 3	<u>CRYO 02 TK HTR SNSR CK</u> (ORB OPS, EPS)	<u>ON-ORBIT +X RCS BURN</u> (ORB OPS, RCS)		
11:00		02:00	Z L V	<u>ON-ORBIT +X RCS BURN</u> (ORB OPS, RCS)	<u>ON-ORBIT +X RCS BURN</u> (ORB OPS, RCS)	<u>C/L CAMR INSTALL</u> (PHOTO/TV, C/L CAMR)	UPDATE ORBITAL MNVR PAD
		03:00	X V V	<u>MNVR (TRK) -ZLV -XVV</u> TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	<u>P/TV08 EXTERNAL SURVEY</u> (PHOTO/TV, SCENES) OMS POD SURVEY Setup, Step 1, OPS, Item 1 Best Lighting Avail (01:37-02:21)	<u>DOCKING MECH INITIALIZATION</u> <u>DOCKING MECH POWERUP</u> <u>DOCKING RING EXTENSION</u> <u>DOCKING MECH POWERDOWN</u> (RNDZ, APDS)	
		04:00	Z L V	<u>FUTURE LOADED MNVR (TRK) -ZLV +YVV (DUMP)</u> TG=2 BV=3 OM=270 A1/AUTO/VERN (1/14:15) Init TRK	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
12:00			X V V	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
			Z L V	PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2			
			X V V	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			

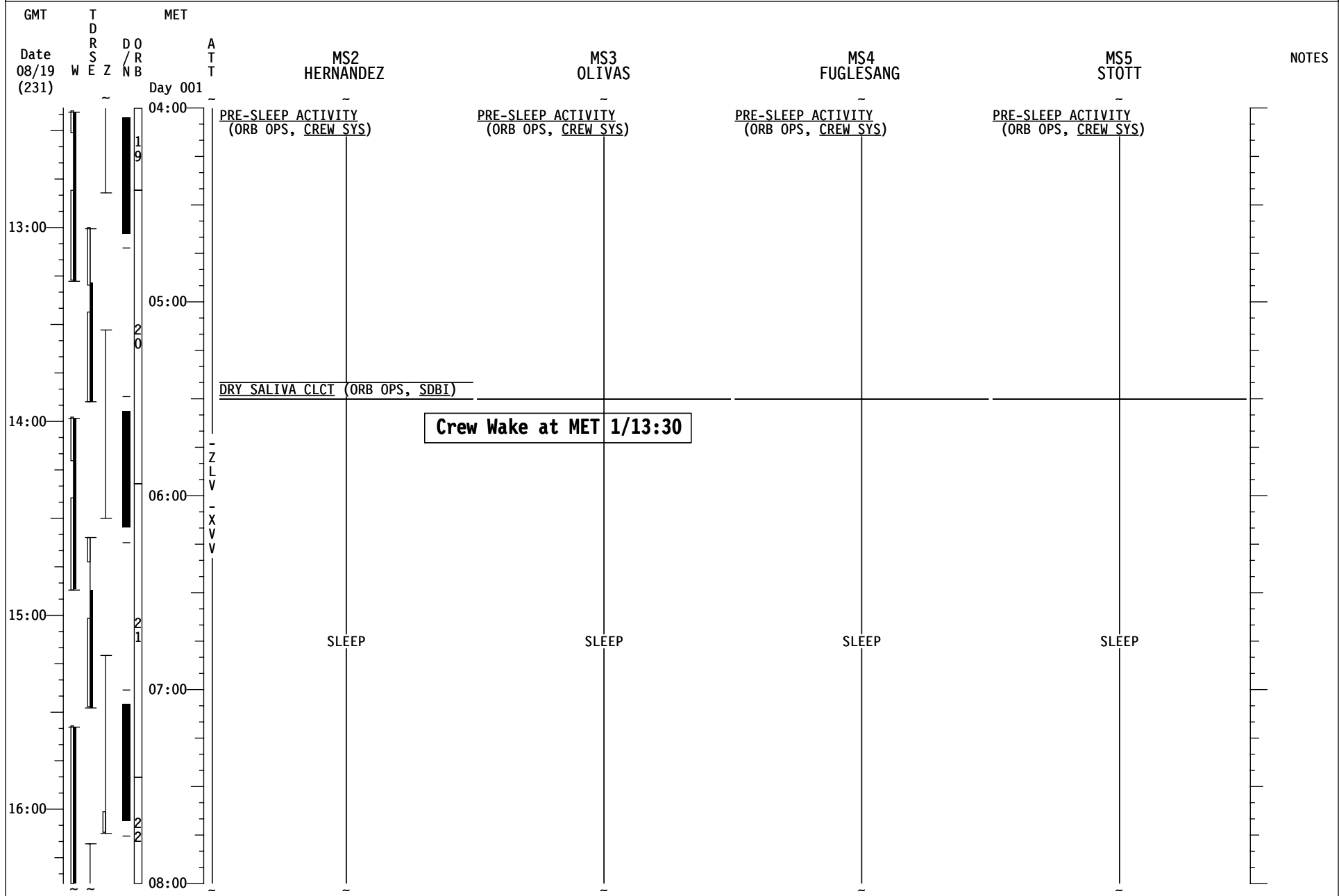
STS-128/17A FD02



STS-128/17A FD02

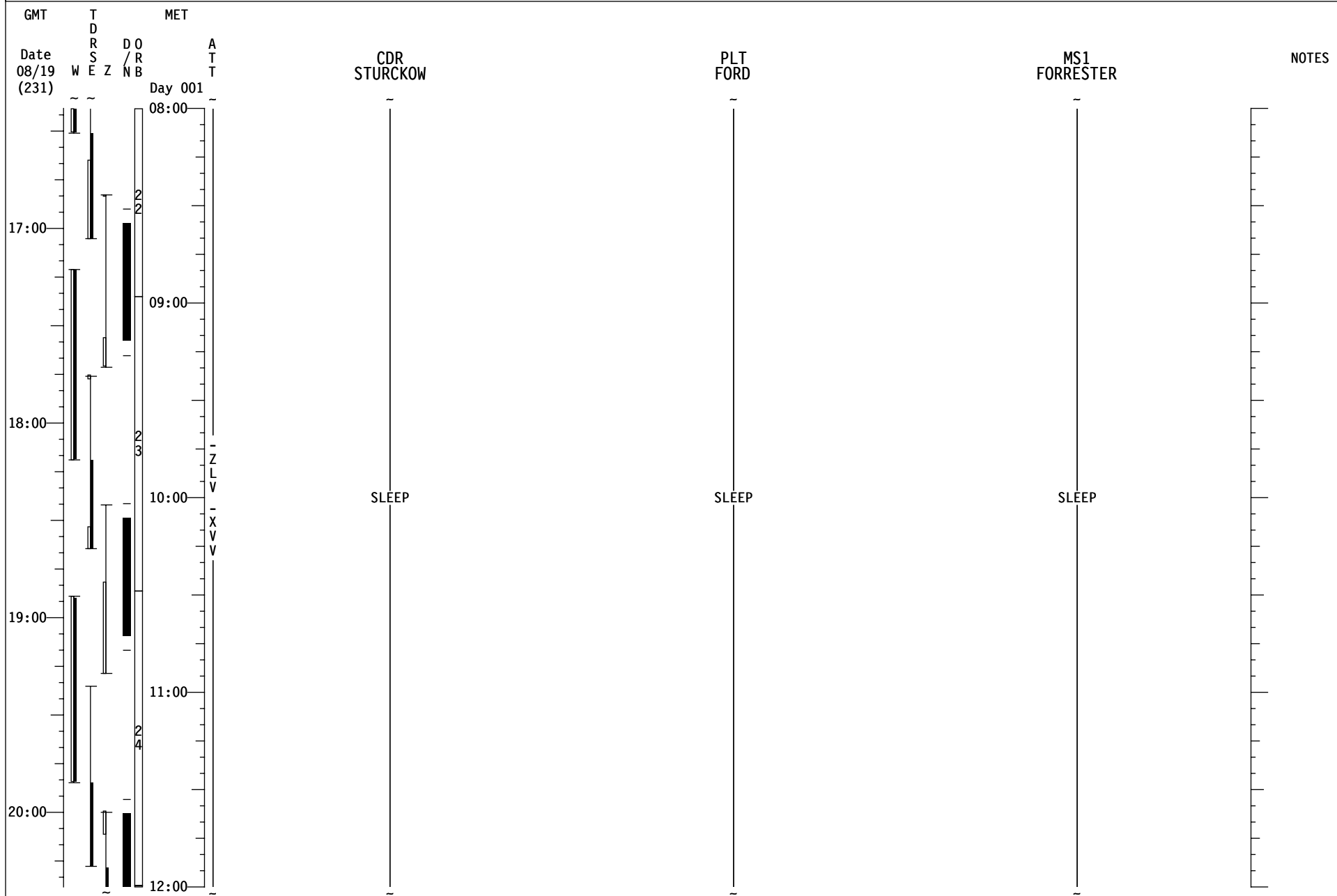


STS-128/17A FD02

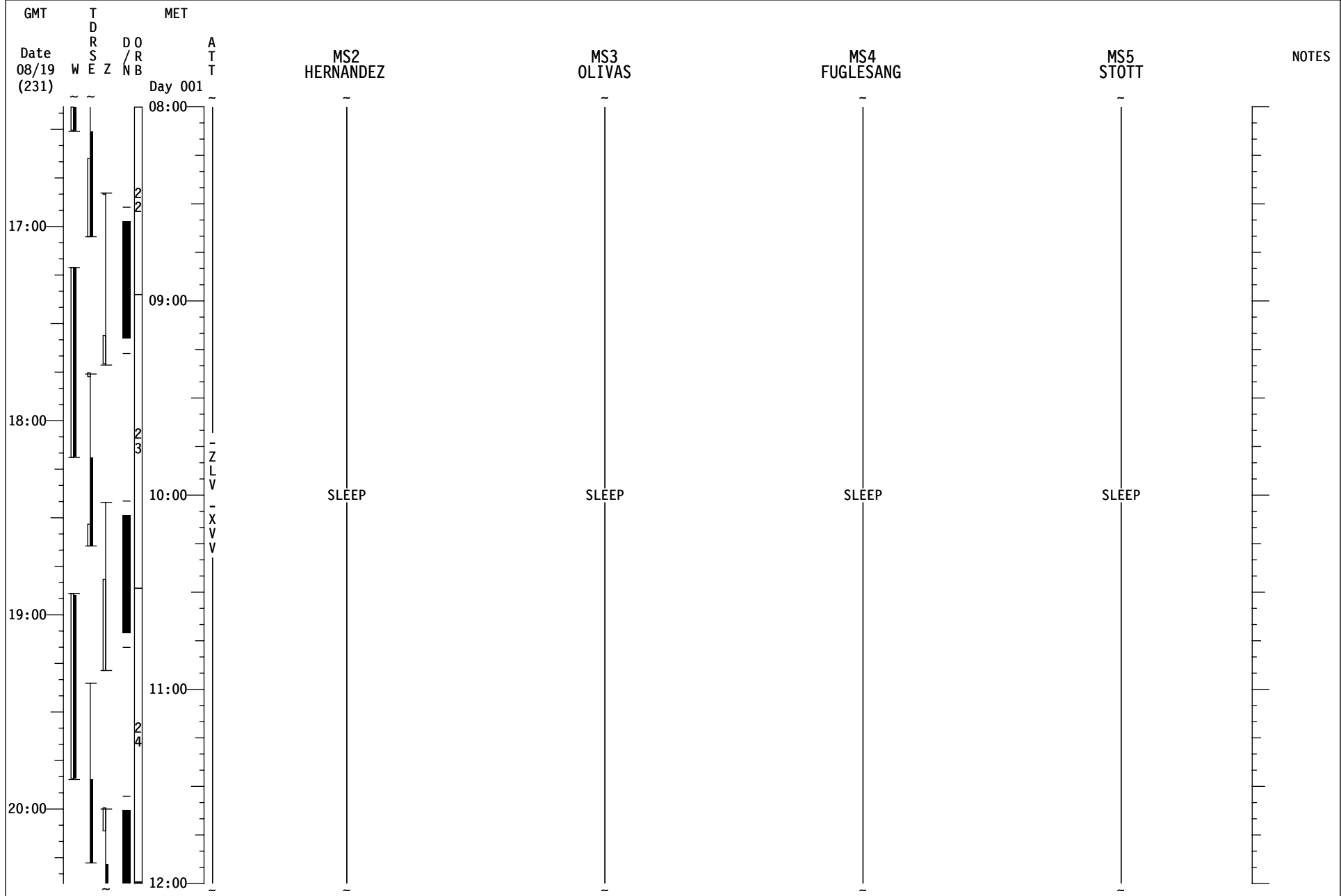


DRY SALIVA CLCT (ORB OPS, SDBI)

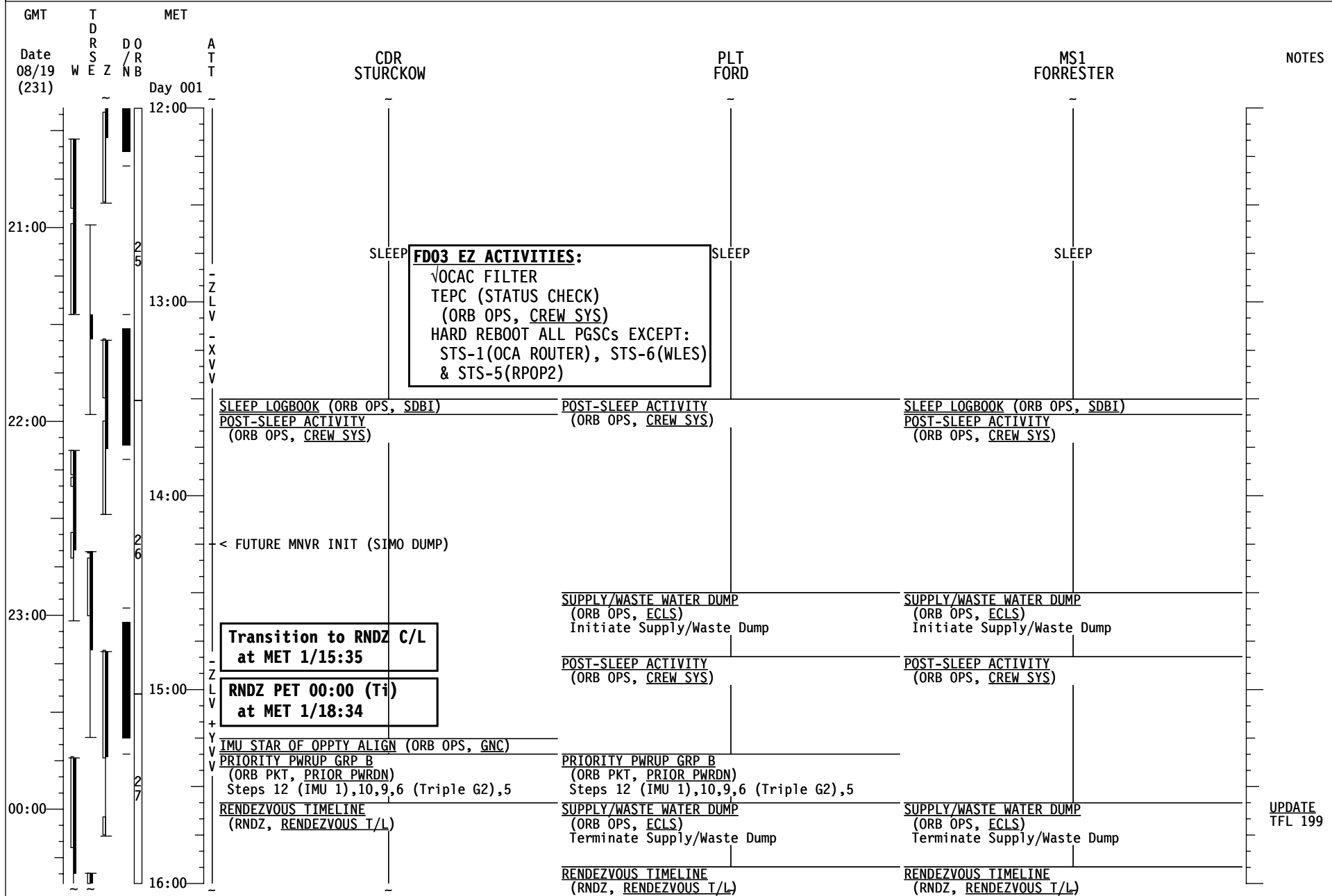
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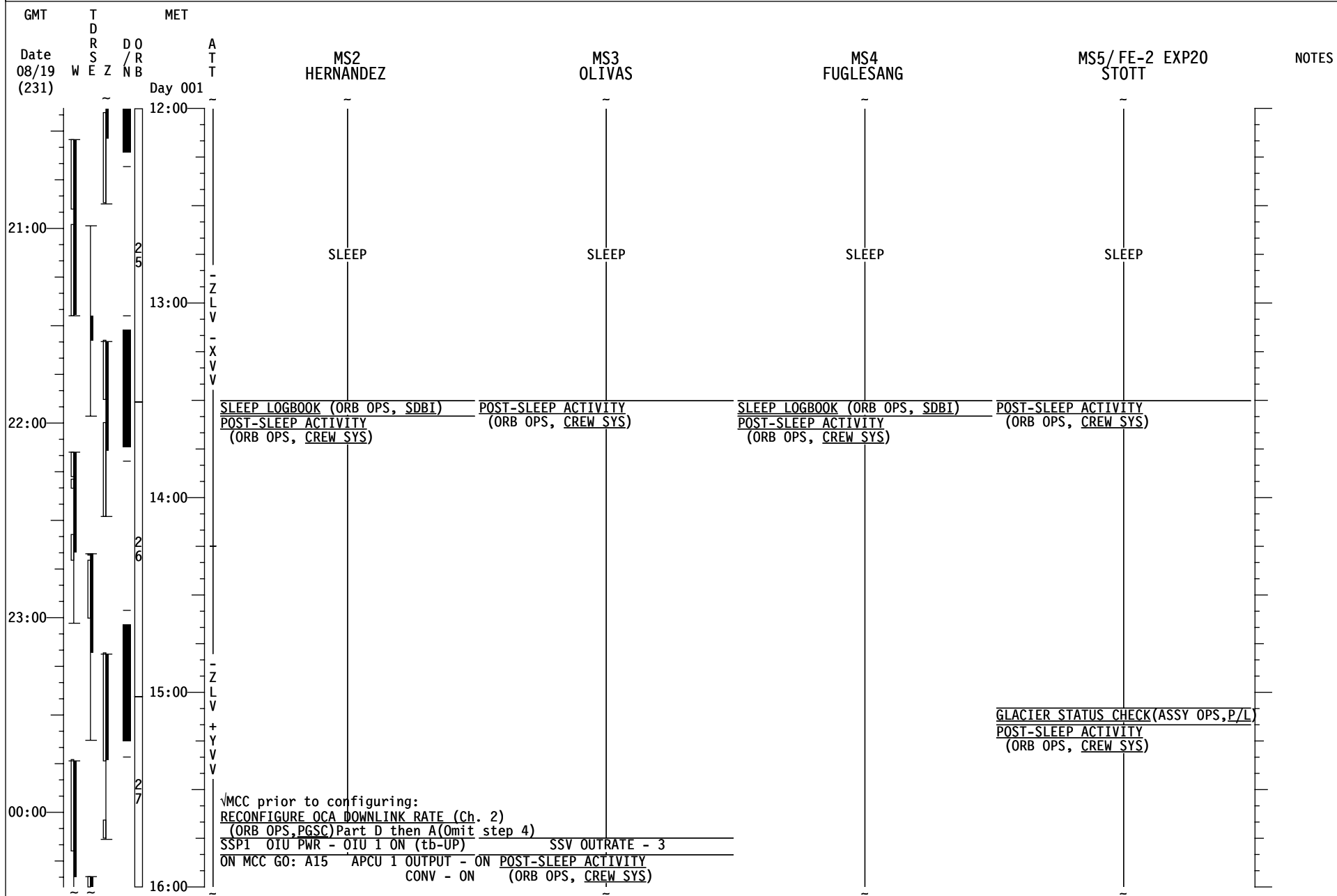
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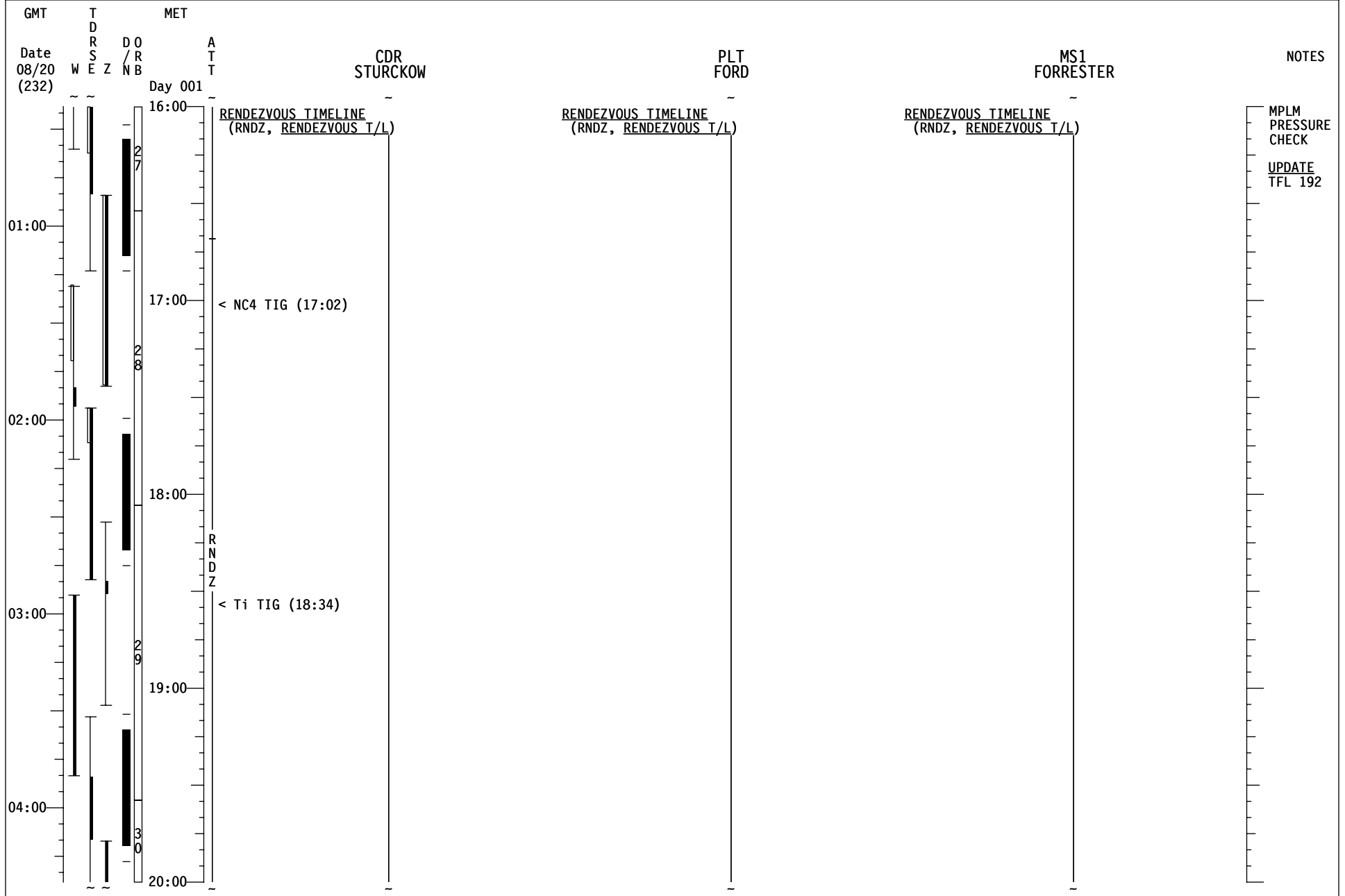
STS-128/17A FD03



STS-128/17A FD03



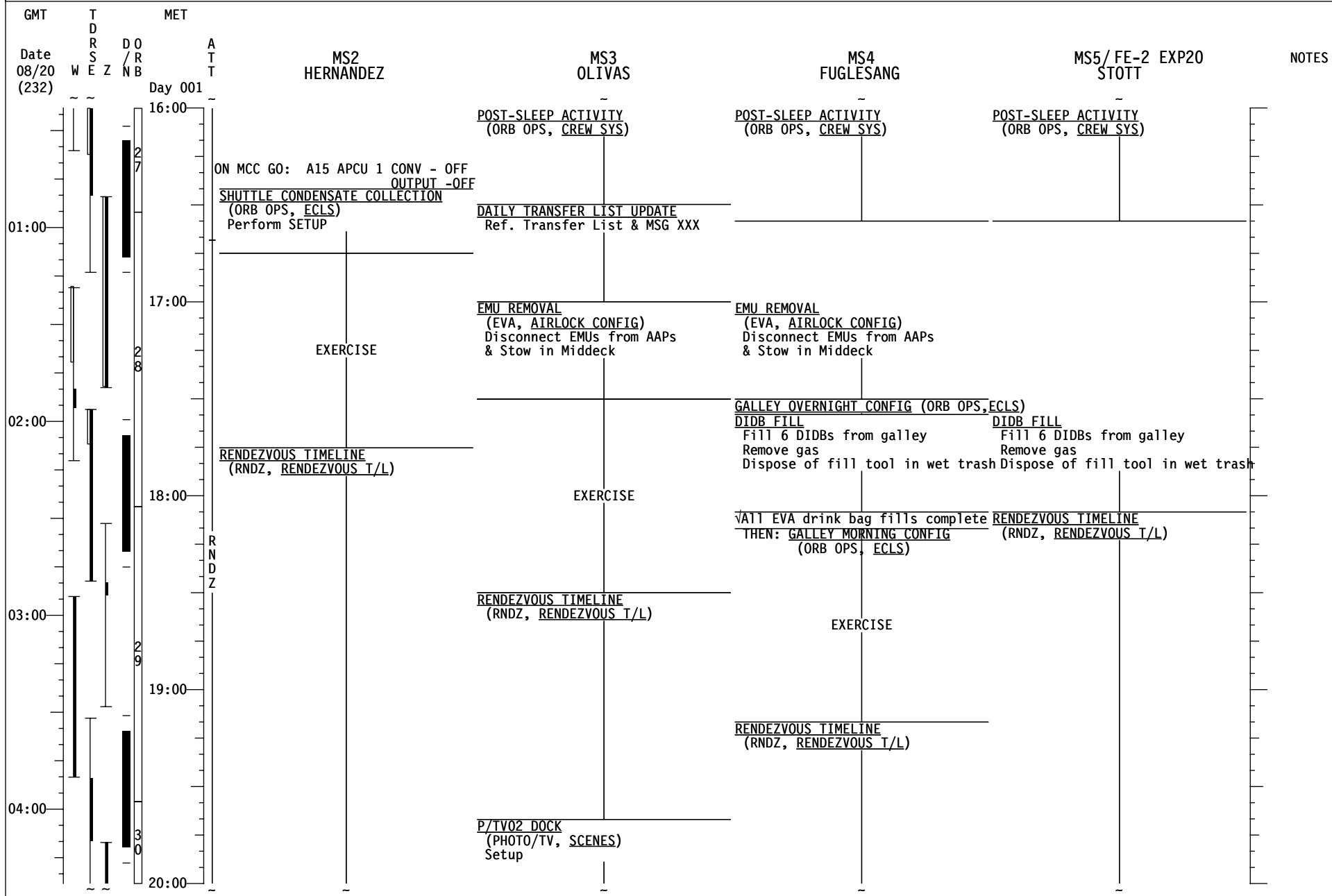
STS-128/17A FD03



MPLM
PRESSURE
CHECK

UPDATE
TFL 192

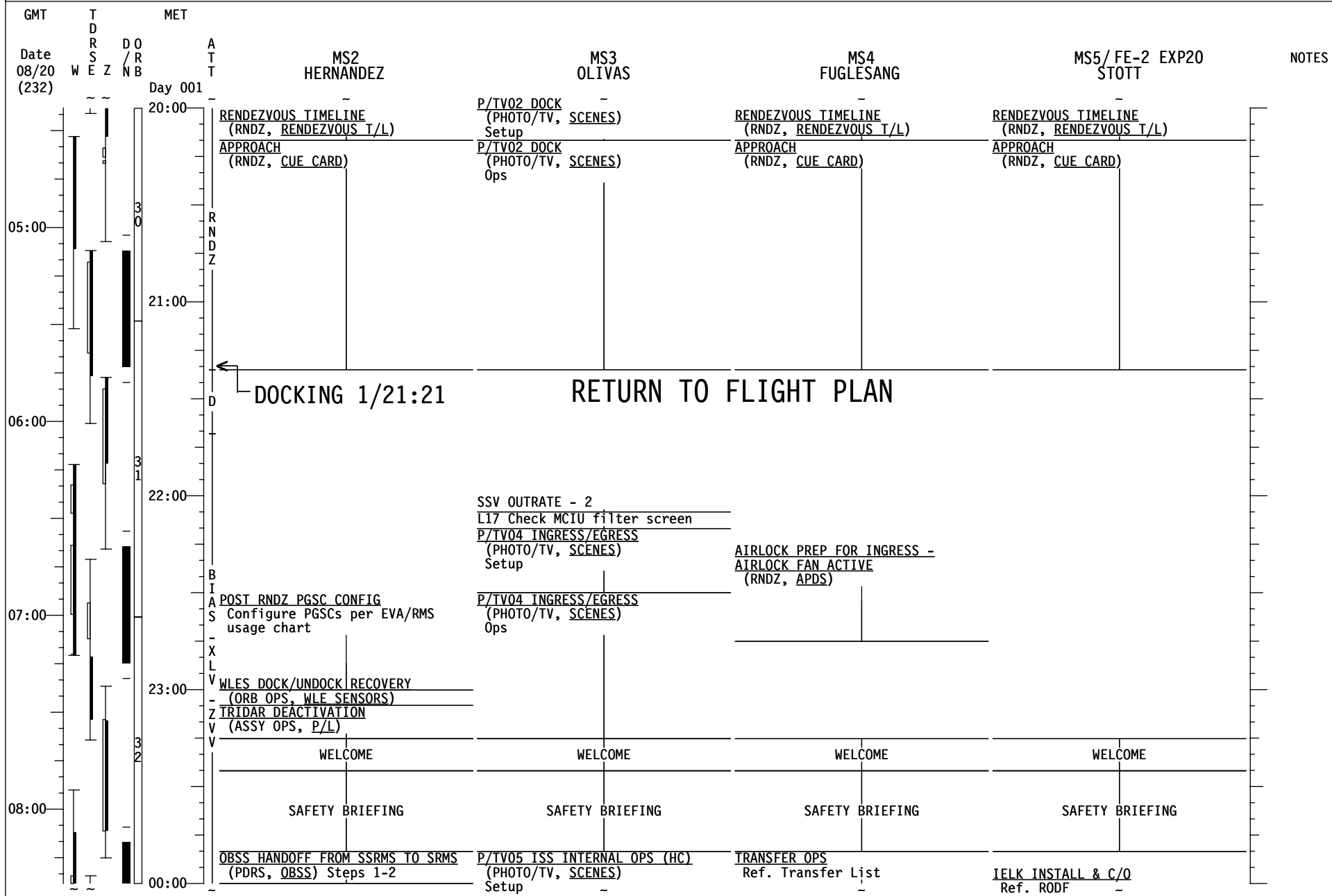
STS-128/17A FD03



STS-128/17A FD03

GMT	TDRS W E Z	MET DO R N B	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/20 (232)		Day 001					
20:00				RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L) APPROACH (RNDZ, CUE CARD)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L) APPROACH (RNDZ, CUE CARD)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L) APPROACH (RNDZ, CUE CARD)	UPDATE β21+Mask Box 1,3
05:00				A SSPTS ODS CONNECTOR VERIF A15 ODS MATE X1,X2(two) - ON √MCC then - OFF			
				B On MCC GO: A15 OPCU 1,2 CONV (two) - ON R1 MN BUS TIE B - ON (tb-ON) C - ON (tb-ON)			
06:00				DOCKING 1/21:21	RETURN TO FLIGHT PLAN		UPDATE β21+Mask Box 1,2,4
				POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)	MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=163 Y=358 OM=190 Init TRK, DAP:FREE > 2 sec, then DAP: A12/AUTO/VERN	POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)	
07:00				When MNVR complete: PRIORITY PWRDN GRP B Steps 6 (Single G2) and 12 (IMU 1) 06 S TRK PWR -Z - OFF	When MNVR complete: PRIORITY PWRDN GRP B Steps 6 (Single G2) and 12 (IMU 1) 06 S TRK PWR -Z - OFF	AIRLOCK PREP FOR INGRESS - AIRLOCK FAN ACTIVE (RNDZ, APDS)	UPDATE TFL 184
				When ISS is GO for attitude cntrl,DAP:FREE	SSPTS ODS CONNECTOR VERIF A OPCU ACTIVATION B		
				X JOINT OPS: 2.104 HATCH OPENING AND SHUTTLE/ISS DUCT INSTALL Perform steps 2-11, 14, & 15 √MCC-H complete with step 1	X JOINT OPS: 6.109 HARDLINE ICOM AUDIO Steps 1,5,6	X JOINT OPS: 2.104 HATCH OPENING AND SHUTTLE/ISS DUCT INSTALL Perform steps 2-11, 14, & 15 √MCC-H complete with step 1	
				WELCOME	WELCOME	WELCOME	
08:00				SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	
00:00				TRANSFER OPS Ref. Transfer List		OBSS HANDOFF FROM SSRMS TO SRMS (PDRS, QBSS) Steps 1 & 2	

STS-128/17A FD03



STS-128/17A FD03

GMT	TDRSZ	MET	CDR	PLT	MS1	NOTES
Date 08/20 (232)	W E Z	DO R NB Day 002	STURCKOW	FORD	FORRESTER	
00:00						
09:00						
10:00						
11:00						
12:00						
04:00						

TRANSFER OPS
Ref. Transfer List

ROBO: 1.110 OBSS UNBERTH & HANDOFF
Steps 1-5.2

ROBO: 1.110 OBSS UNBERTH & HANDOFF
Steps 5.3-9

OBSS HANDOFF FROM SSRMS TO SRMS
(PDRS, OBSS) Steps 3-5

ROBO: 1.111 OBSS RELEASE AT HANDOFF
EXERCISE CONSTRAINT

OBSS HANDOFF FROM SSRMS TO SRMS
(PDRS, OBSS)
Steps 6-8
EXERCISE CONSTRAINT

NO EXERCISE
WHILE OBSS
GRAPPLD BY
RMS & SSRMS

OBSS HANDOFF FROM SSRMS TO SRMS
(PDRS, OBSS)
Step 9

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SSRMS OPS REVIEW FOR MPLM INSTALL

EXERCISE

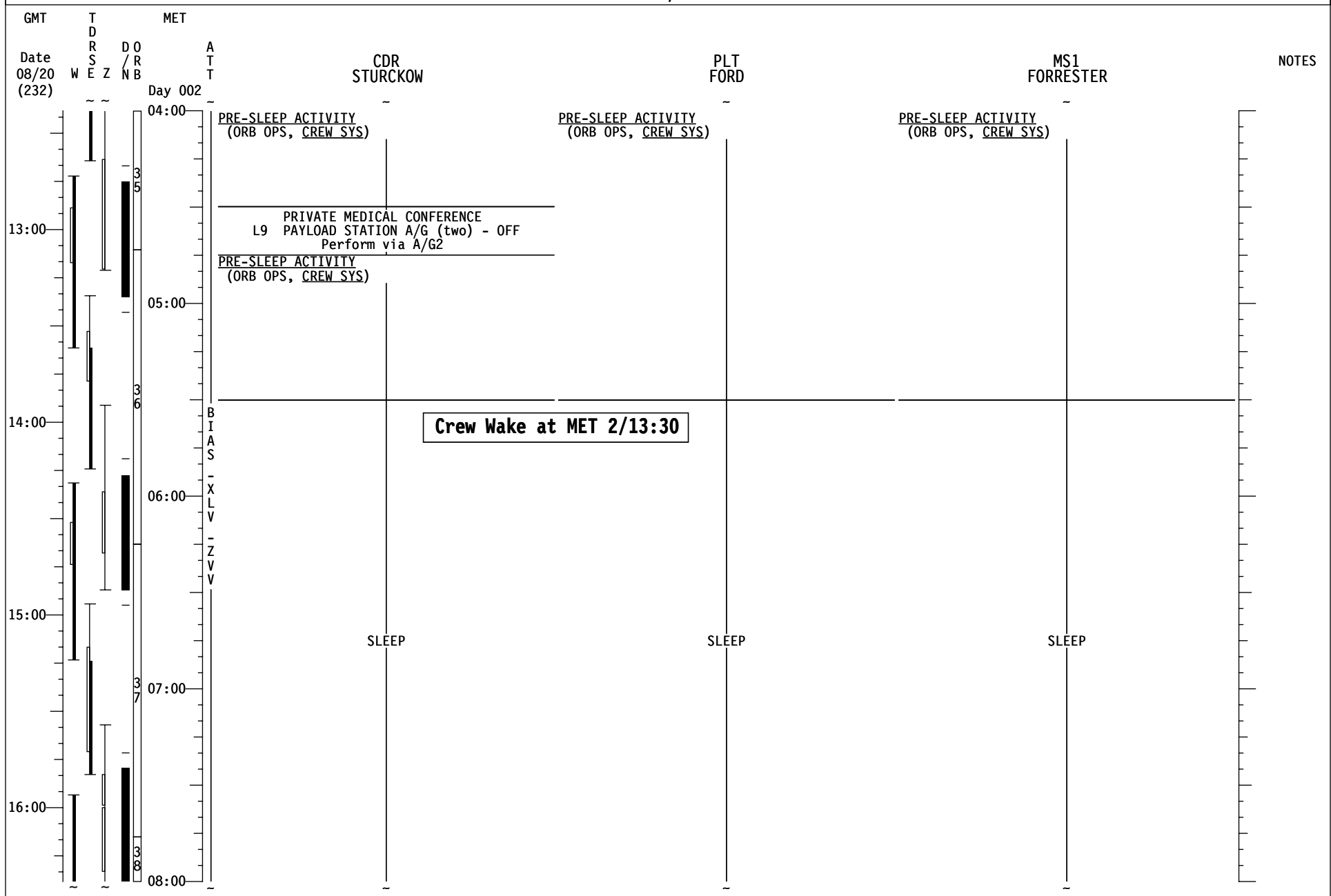
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

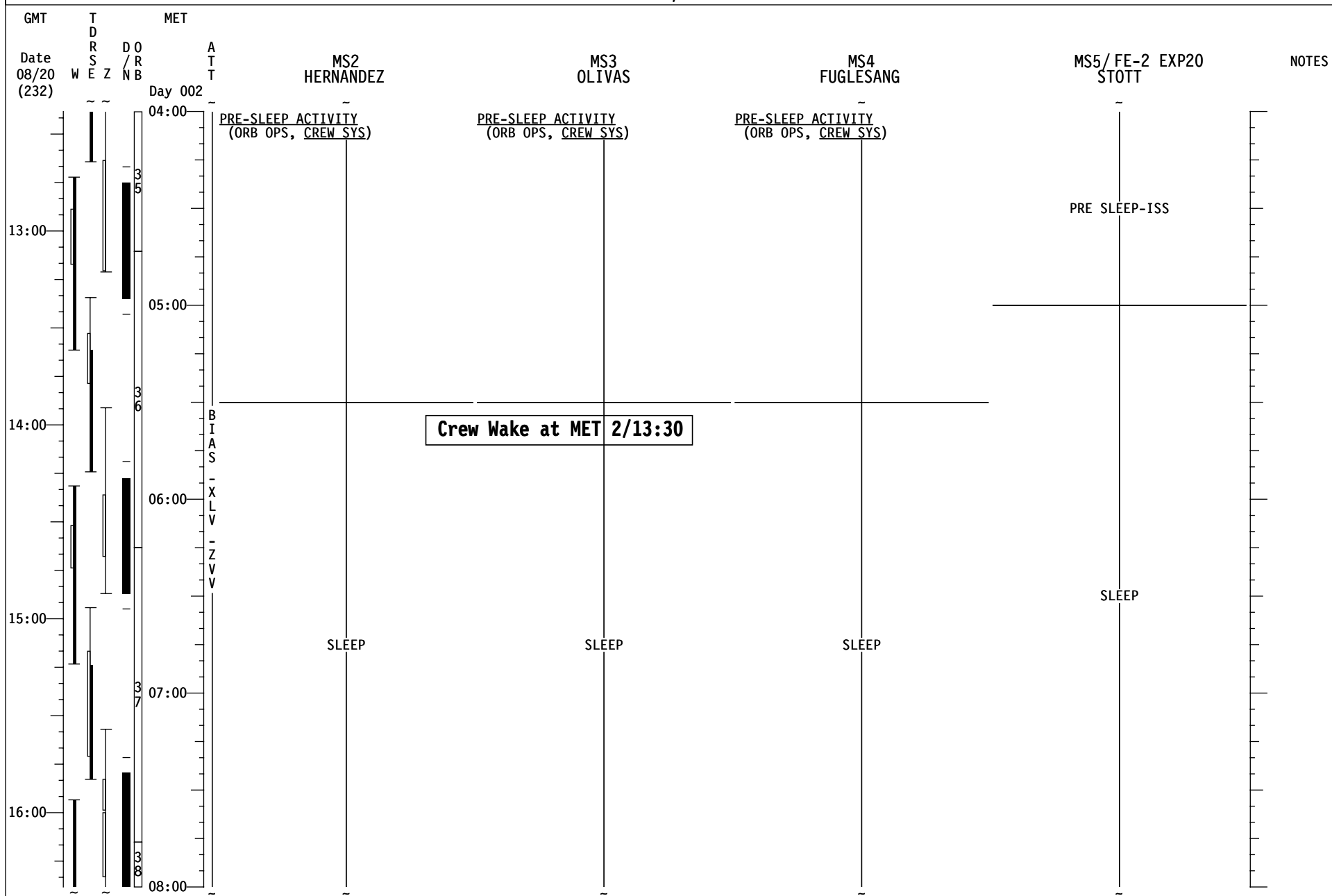
STS-128/17A FD03

GMT	TDRS W E Z	MET Day 002	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	MS5/ FE-2 EXP20 STOTT	NOTES
00:00				<u>P/TV05 ISS INTERNAL OPS (HC)</u> (PHOTO/TV, SCENES) Setup <u>P/TV06 ROBOTICS OPERATIONS</u> (PHOTO/TV, SCENES) Setup & Ops	<u>TRANSFER OPS</u> Ref. Transfer List	<u>IELK INSTALL & C/O</u> Ref. RODF	
09:00			<u>OBSS HANDOFF FROM SSRMS TO SRMS</u> (PDRS, OBSS) Steps 3-5				
01:00				<u>MULTIMETER SWAP</u> Ref. Middeck Xfer List Item XXX			
				<u>TRANSFER OPS</u> Ref. Transfer List		<u>EXERCISE OVERVIEW</u>	
10:00			B <u>OBSS HANDOFF FROM SSRMS TO SRMS</u> (PDRS, OBSS) Steps 6-8 A <u>EXERCISE CONSTRAINT</u> S			<u>MDS STATUS CHECK</u> (ASSY OPS, P/L)	
						<u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u>	NO EXERCISE WHILE OBSS GRAPPLD BY RMS & SSRMS
02:00			X <u>OBSS HANDOFF FROM SSRMS TO SRMS</u> (PDRS, OBSS) V Step 9 Z V V				
11:00			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>TRANSFER TAGUP</u> Coordinate with transfer counterpart	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>SOKOL LEAK CHECK</u>	
				<u>DIGITAL PLAYBACK</u> (PHOTO/TV, CUE CARD) DOCKING KU TDRZ (02:38-02:55)		<u>DAILY PLANNING CONFERENCE (DPC)</u>	
03:00			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			<u>PRE SLEEP-ISS</u>	
				<u>TRANSFER BRIEF</u> Call down status to MCC		<u>PRIVATE MEDICAL CONFERENCE</u>	
12:00						<u>PRE SLEEP-ISS</u>	
04:00							

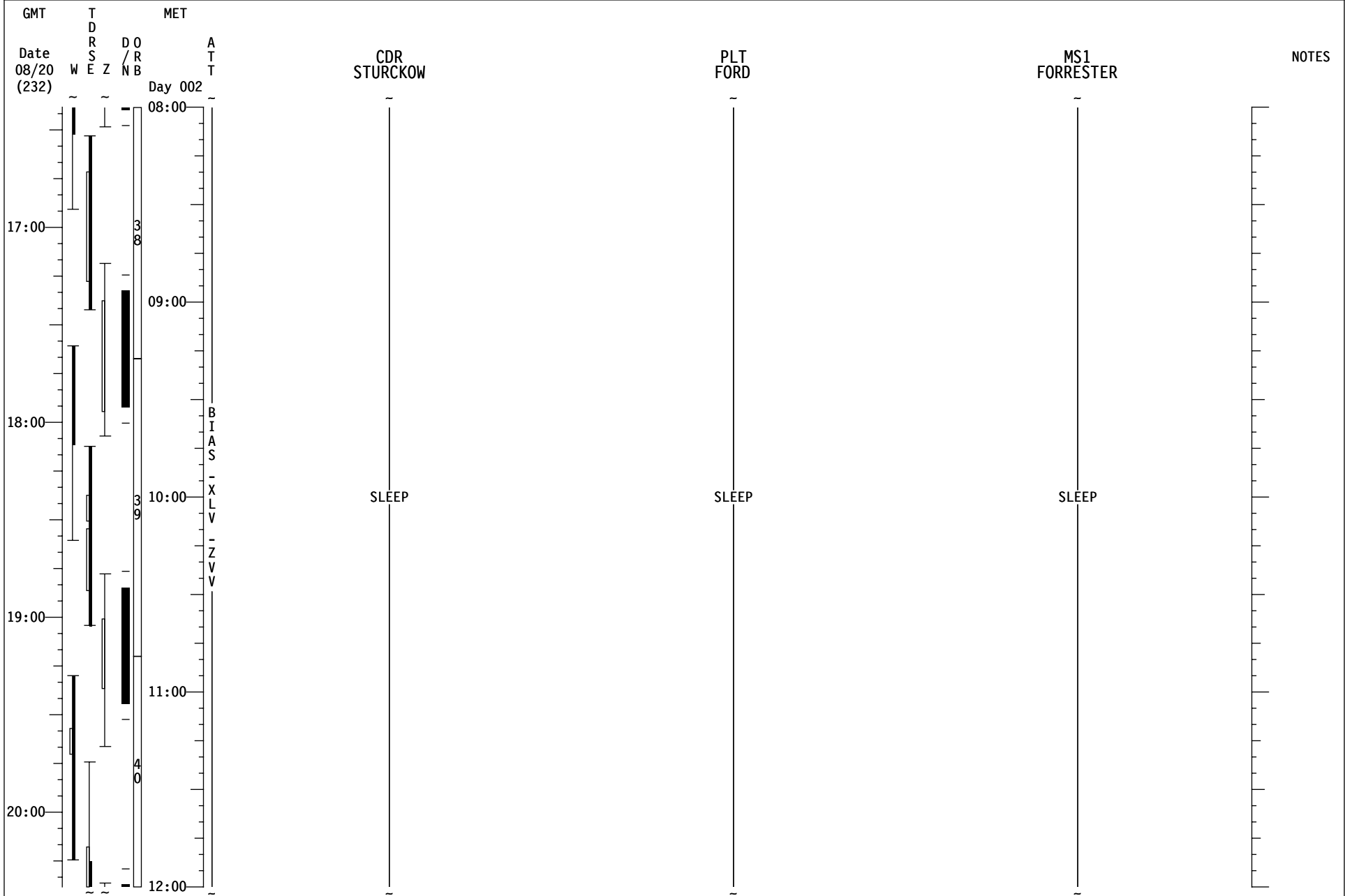
STS-128/17A FD03



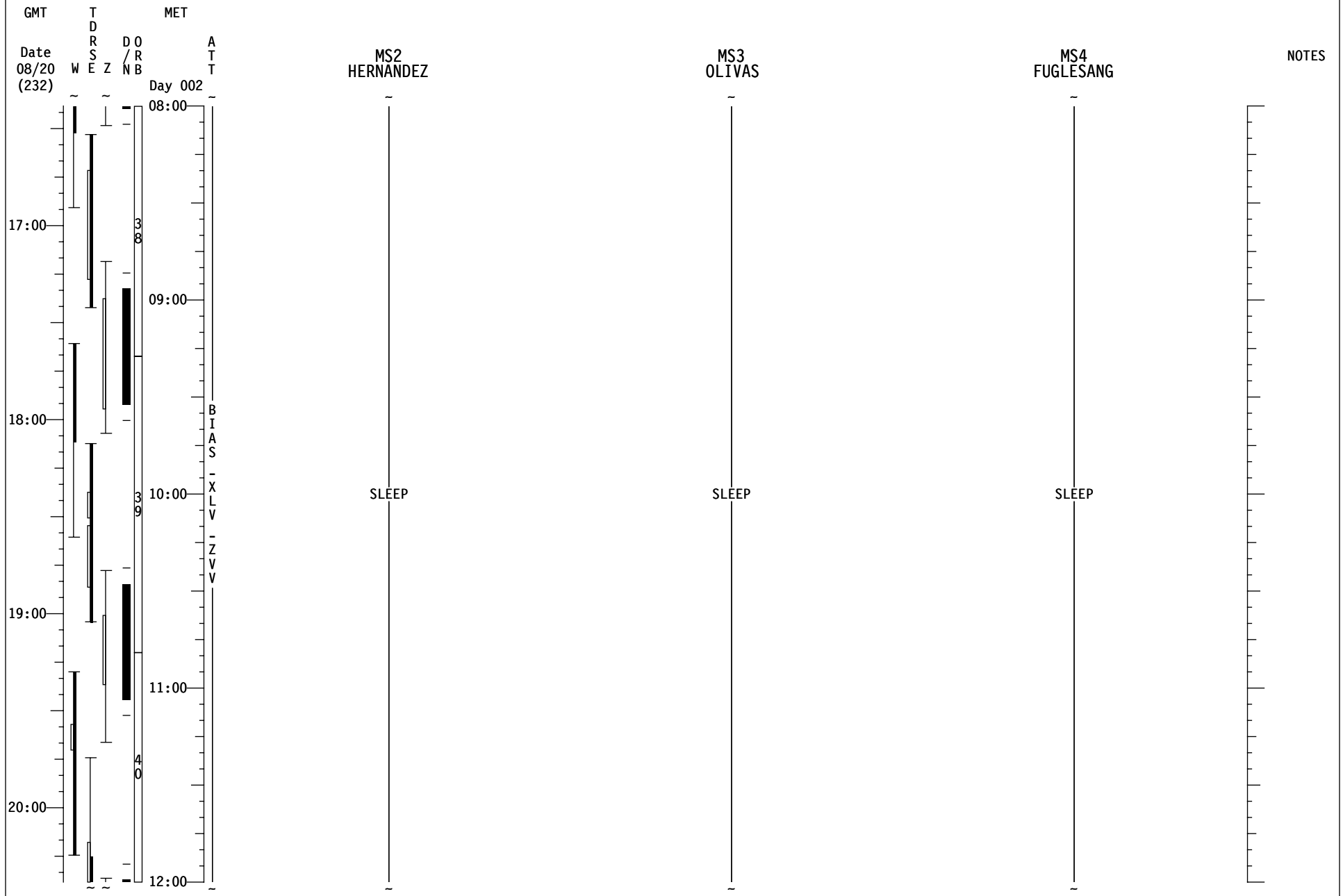
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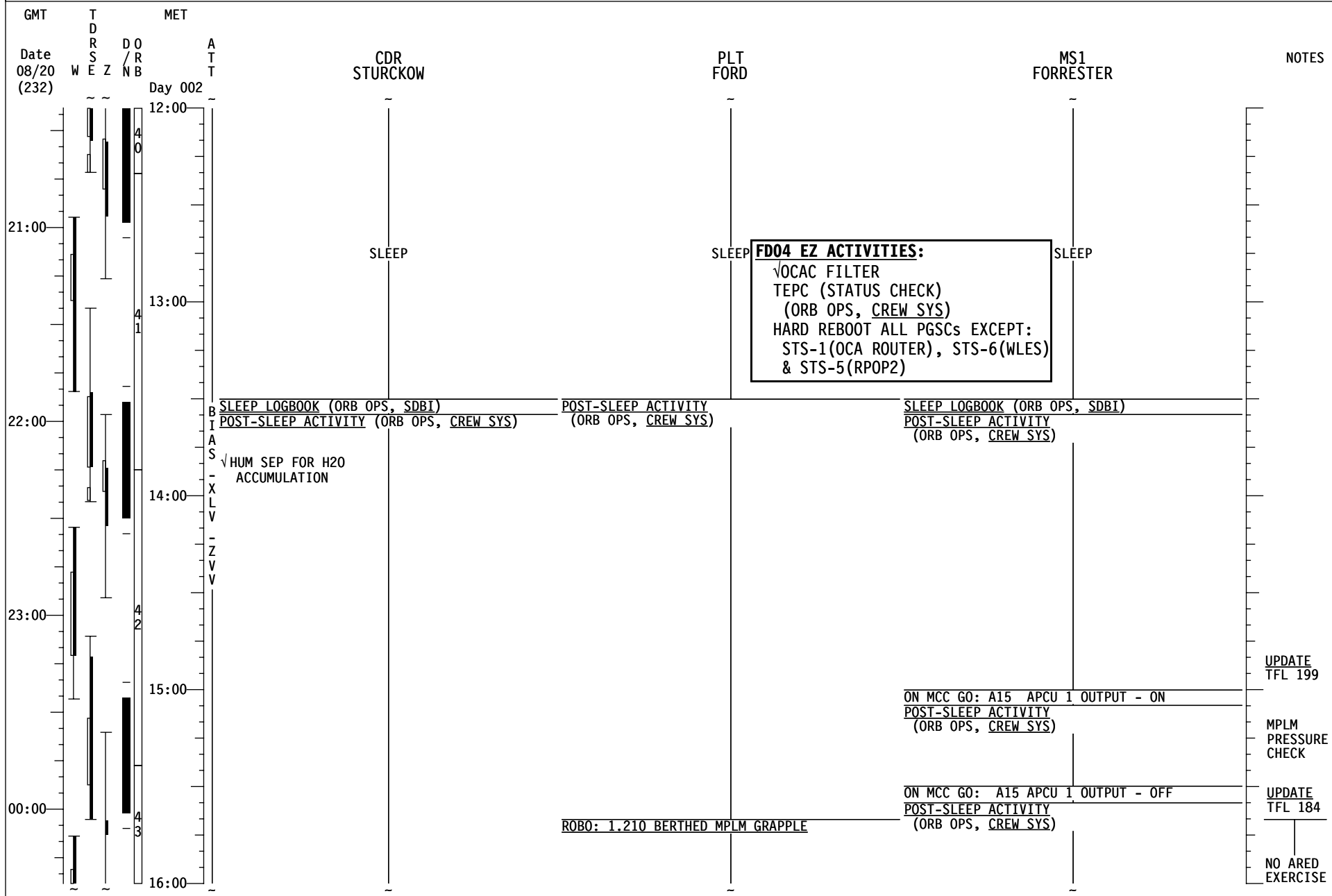
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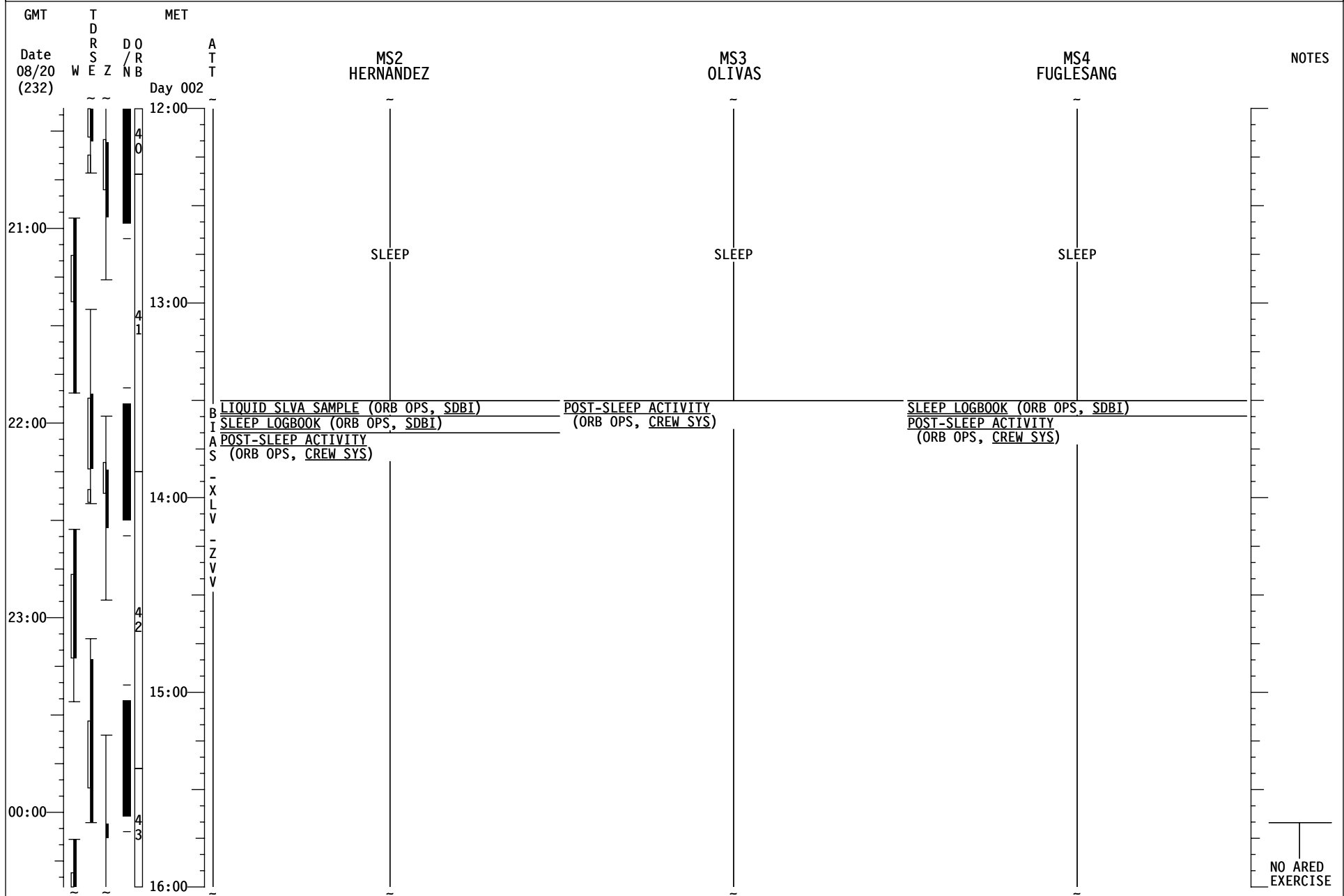
STS-128/17A FD03



STS-128/17A FD04



STS-128/17A FD04

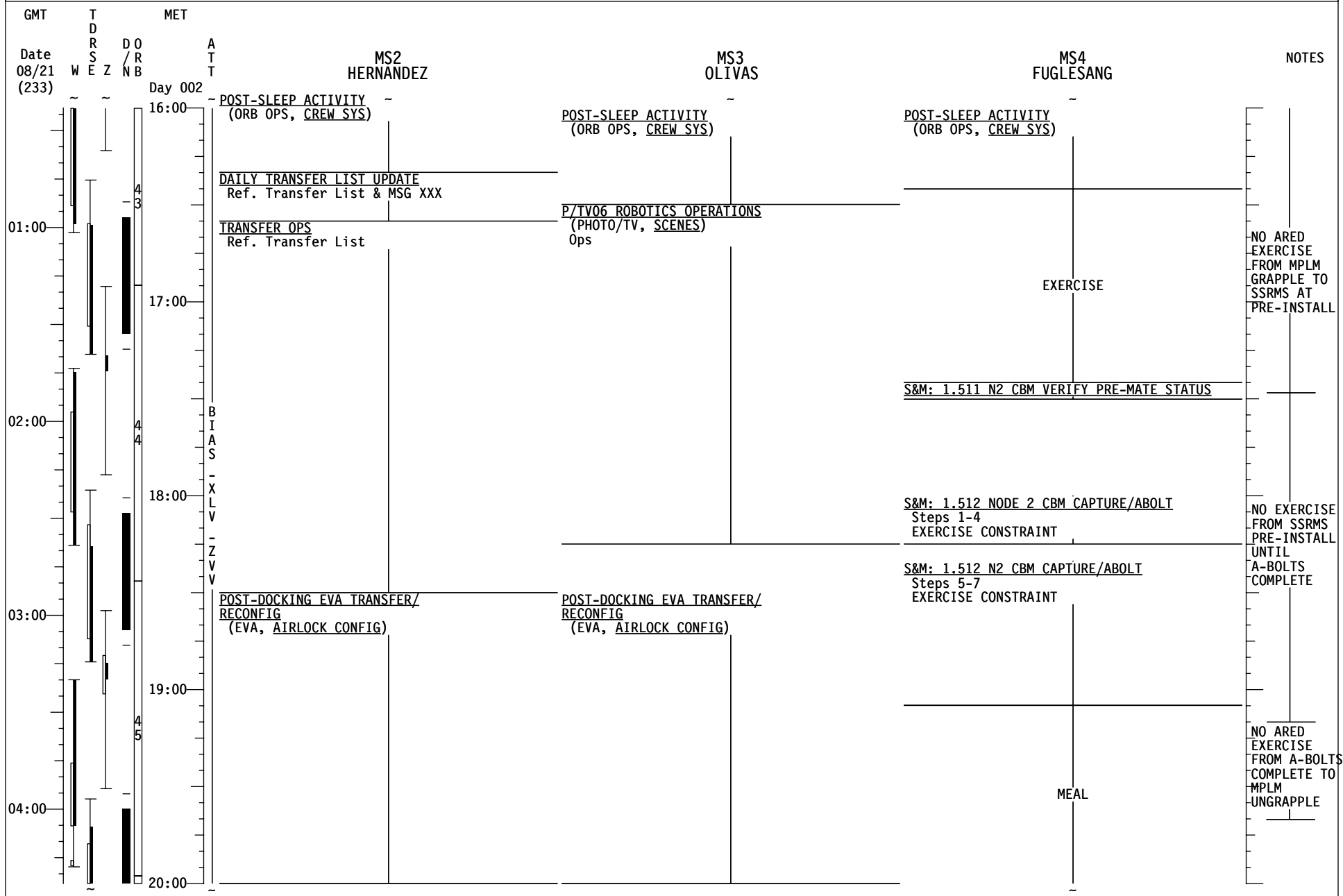


NO ARED EXERCISE

STS-128/17A FD04

GMT	TDRS W E Z	MET Day 002	DO R N B	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES											
Date 08/21 (233)		16:00	4 3	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) <u>PWR FILL</u> (ORB OPS, ECLS) Init Fill for MDS Fill SN TBD (Barcode #TBD) Fill dur ~30 min	<u>ROBO: 1.210 BERTHED MPLM GRAPPLE</u> <u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Steps 1-15	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS) <u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Steps 4-8 L17 Check MCIU filter screen <u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u> <u>INSTALLATION OF ISS LOCKERS IN MIDDECK</u> (ASSY OPS, P/L) Perform Steps 2-3, 5-11	NO ARED EXERCISE FROM MPLM GRAPPLE TO SSRMS AT PRE-INSTALL												
								17:00	4	<u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u> <u>IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)</u>	<u>TRANSFER OPS</u> Ref. Transfer List	NO EXERCISE FROM SSRMS PRE-INSTALL UNTIL A-BOLTS COMPLETE							
								18:00	4	<u>JOINT OPS: 3.120 PREBREATHE</u> <u>USING SHUTTLE O2 SETUP</u>	<u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Steps 16-17 EXERCISE CONSTRAINT		<u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Step 18 EXERCISE CONSTRAINT						
								19:00	4	EXERCISE	EXERCISE			<u>SHUTTLE/ISS H2O CNTR FILL</u> (ORB OPS, ECLS) Perform EQUIP PREP and <u>WATER TRANSFER HOSE PURGE</u>	NO ARED EXERCISE FROM A-BOLTS COMPLETE TO MPLM UNGRAPPLE				
								20:00	5							<u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Steps 16-17 EXERCISE CONSTRAINT	<u>ROBO: 1.220 MPLM UNBERTH TO INSTALL</u> Steps 19-20 <u>ROBO: 1.230 MPLM MATED UNGRAPPLE</u>		

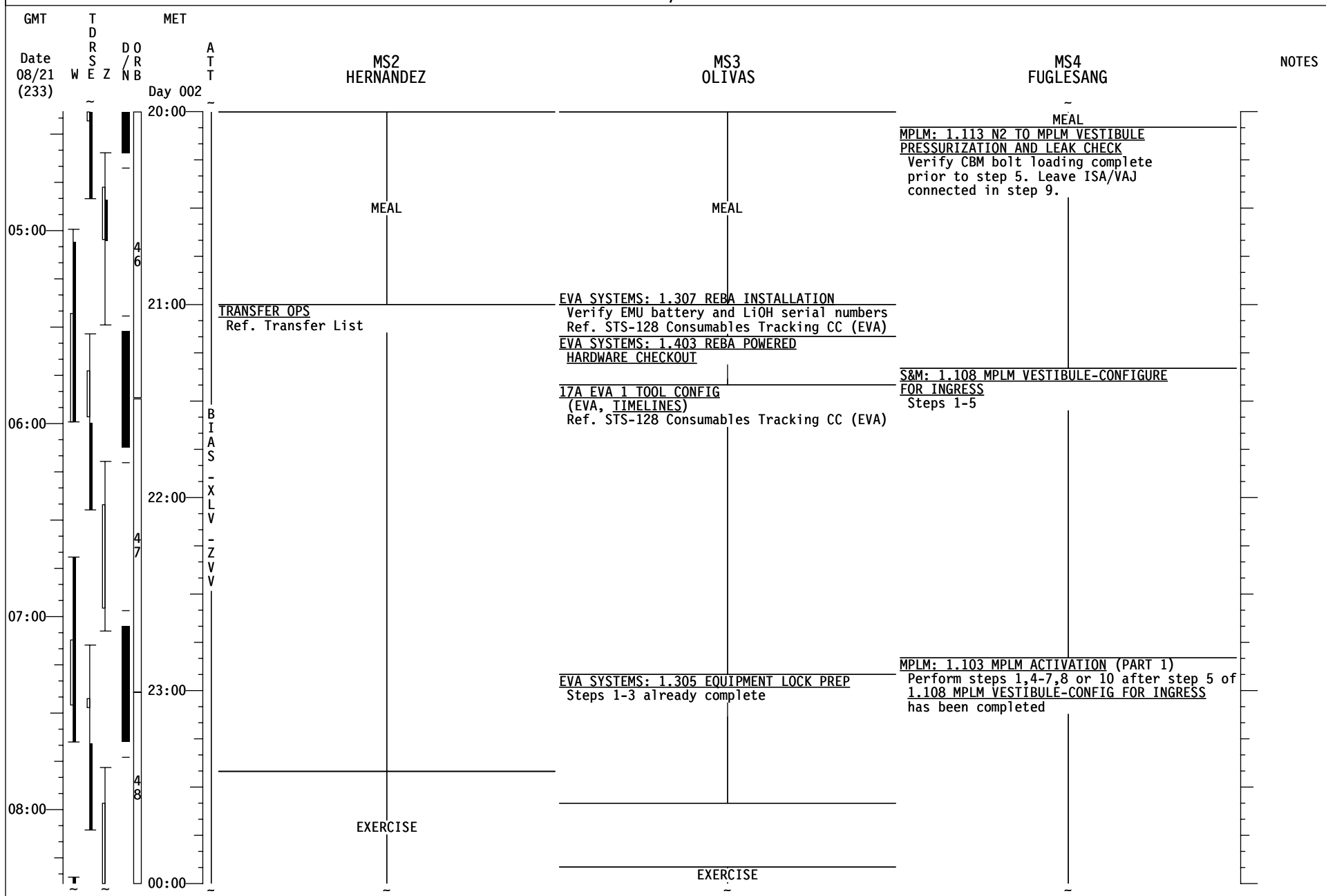
STS-128/17A FD04



STS-128/17A FD04

GMT	T D R S W E Z	MET D O R N B	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/21 (233)		Day 002					
20:00				EXERCISE	EXERCISE		
				<u>CWC-I FILL (ORB OPS, CWC-I FILL) Ref. MSG XXX</u> Fill Init #1			
05:00				<u>CWC-I TERM (ORB OPS, CWC-I FILL)</u>		MEAL	
21:00				MEAL	MEAL	<u>TRANSFER OPS</u> Ref. Transfer List	
06:00				<u>TRANSFER OPS</u> Ref. Transfer List			
22:00					SSRMS OPS REVIEW		
07:00				<u>CWC-I FILL (ORB OPS, CWC-I FILL) Ref. MSG XXX</u> Fill Init #2		<u>17A EVA 1 TOOL CONFIG</u> (EVA, TIMELINES) Ref. STS-128 Consumables Tracking CC (EVA)	
				<u>CWC-I TERM (ORB OPS, CWC-I FILL)</u>			
23:00				<u>CWC-I TRANSFER</u> Transfer 2 CWC-Is to ISS			
08:00				<u>TRANSFER OPS</u> Ref. Transfer List		EXERCISE	
				H/O ATT CNTRL CMG TA TO ORB: √MCC for DAP			
				<u>TRANSFER OPS</u> Ref. Transfer List			
00:00						<u>TRANSFER OPS</u> Ref. Transfer List	

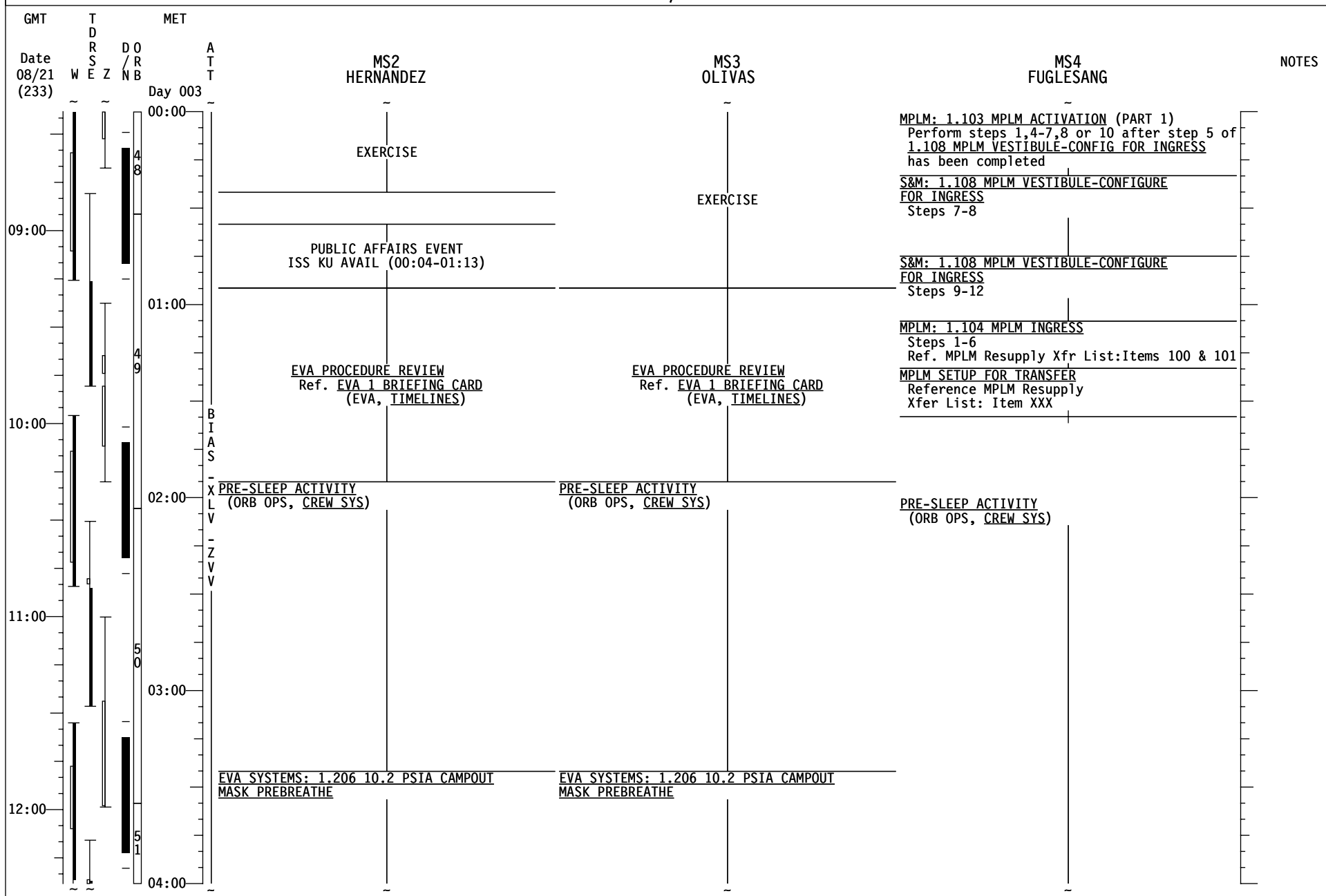
STS-128/17A FD04



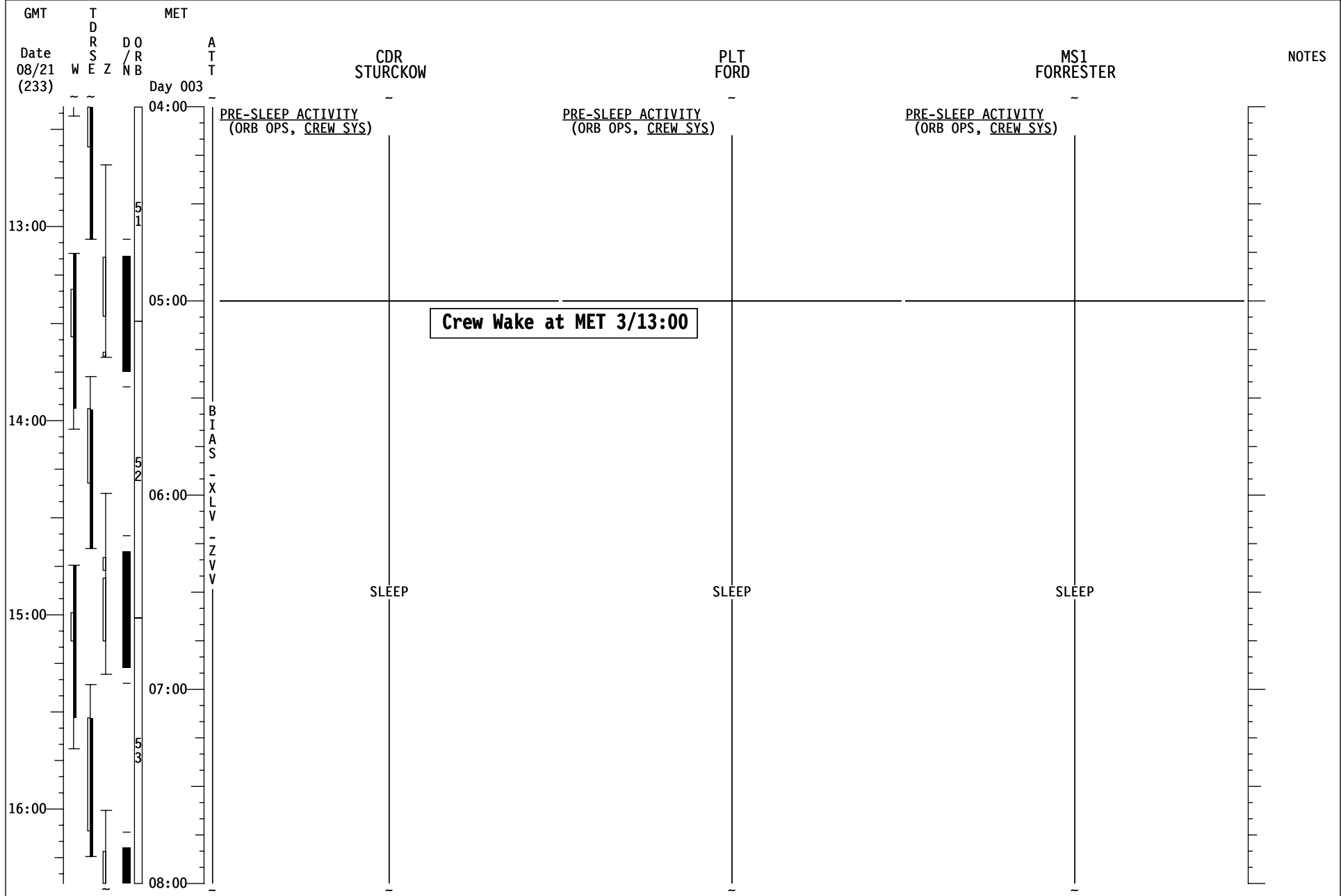
STS-128/17A FD04

GMT	T D R S W E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/21 (233)		Day 003					
00:00				<u>TRANSFER OPS</u> Ref. Transfer List	<u>TRANSFER OPS</u> Ref. Transfer List	<u>TRANSFER OPS</u> Ref. Transfer List	
				<u>NLP VACCINE-5 TERMINATION</u> (ASSY OPS, P/L) Terminate GAPS 1-16			
09:00				PUBLIC AFFAIRS EVENT ISS KU AVAIL (00:04-01:13)	PUBLIC AFFAIRS EVENT ISS KU AVAIL (00:04-01:13)		
				<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 1 BRIEFING CARD</u> (EVA, TIMELINES)			
				When ISS is GO for attitude cntrl,DAP:FREE	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 1 BRIEFING CARD</u> (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 1 BRIEFING CARD</u> (EVA, TIMELINES)	
10:00				<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 1 BRIEFING CARD</u> (EVA, TIMELINES)			
				<u>TRANSFER TAGUP</u> L Coordinate with transfer counterparts	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>GLACIER STATUS CHECK</u> (ASSY OPS, P/L) <u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
11:00				<u>TRANSFER BRIEF</u> Call down status to MCC			
				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
12:00				PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2			
				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
04:00							

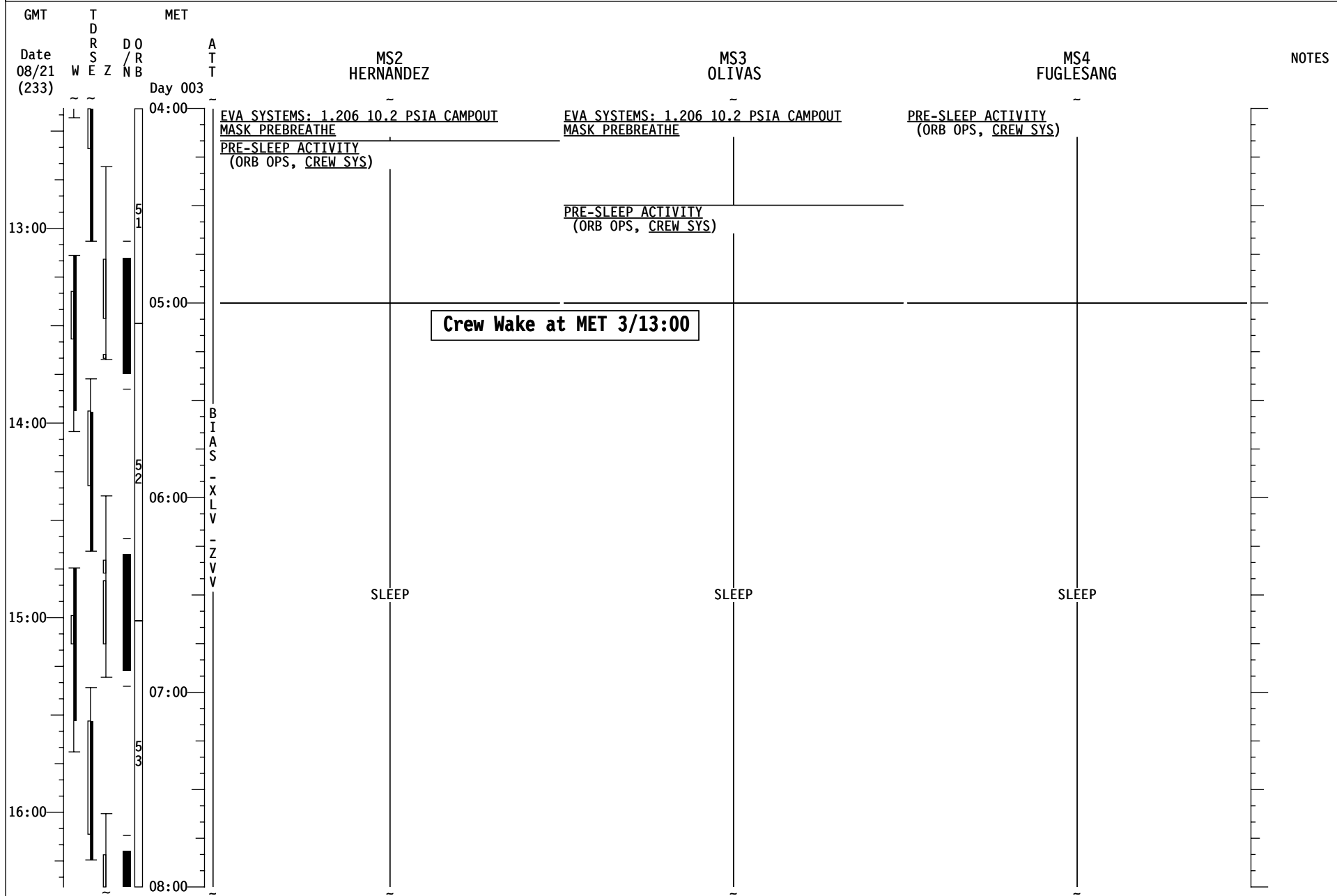
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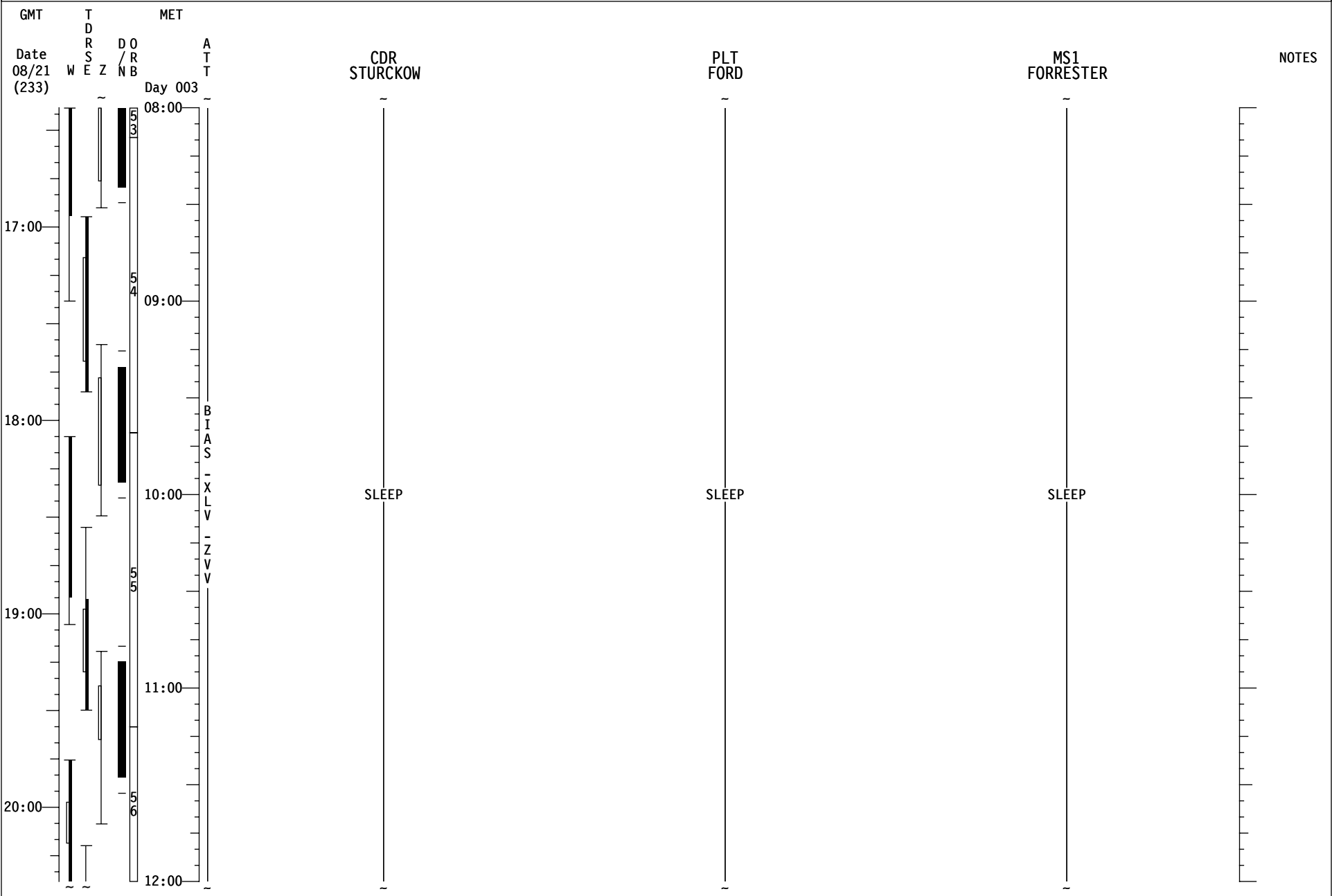
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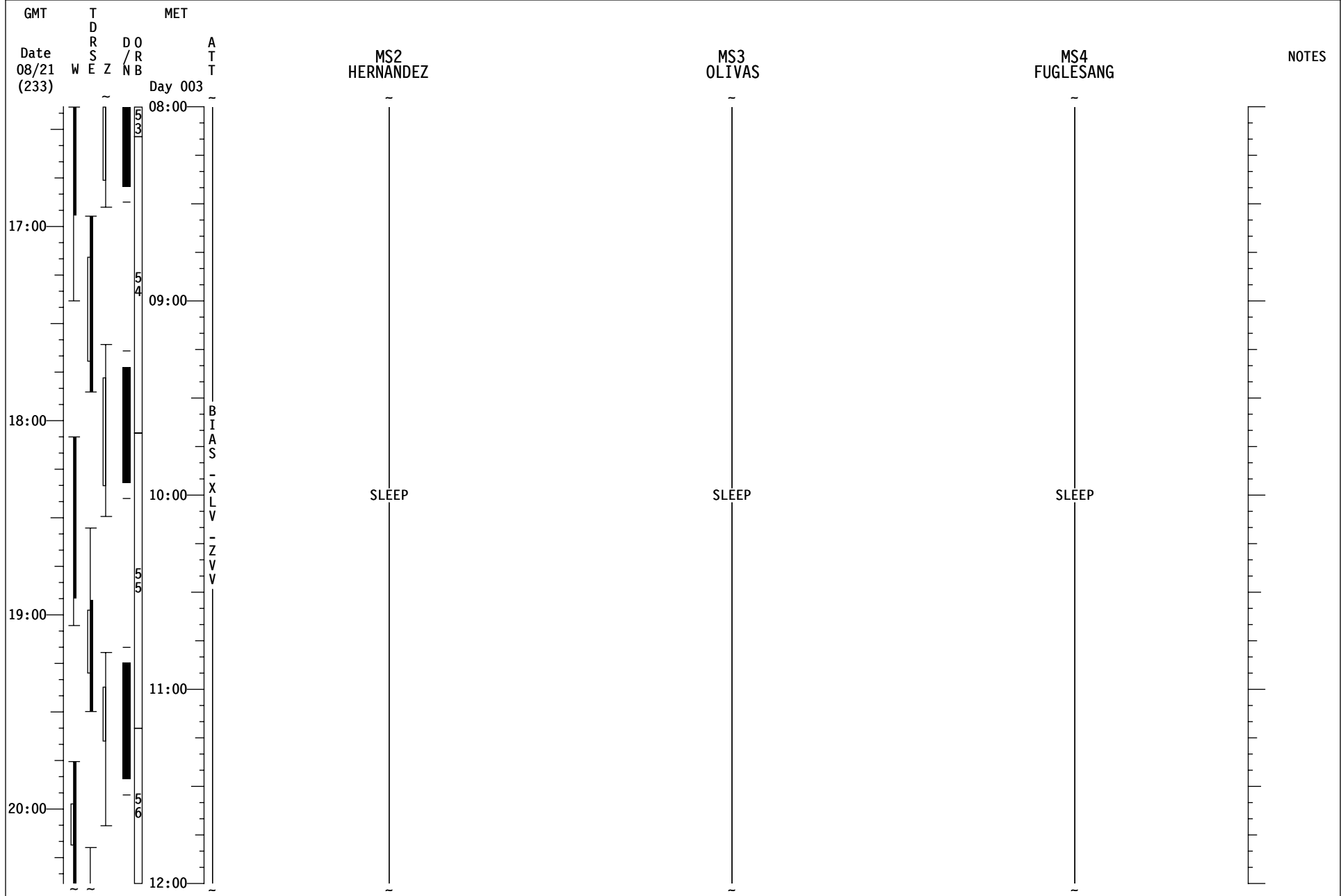
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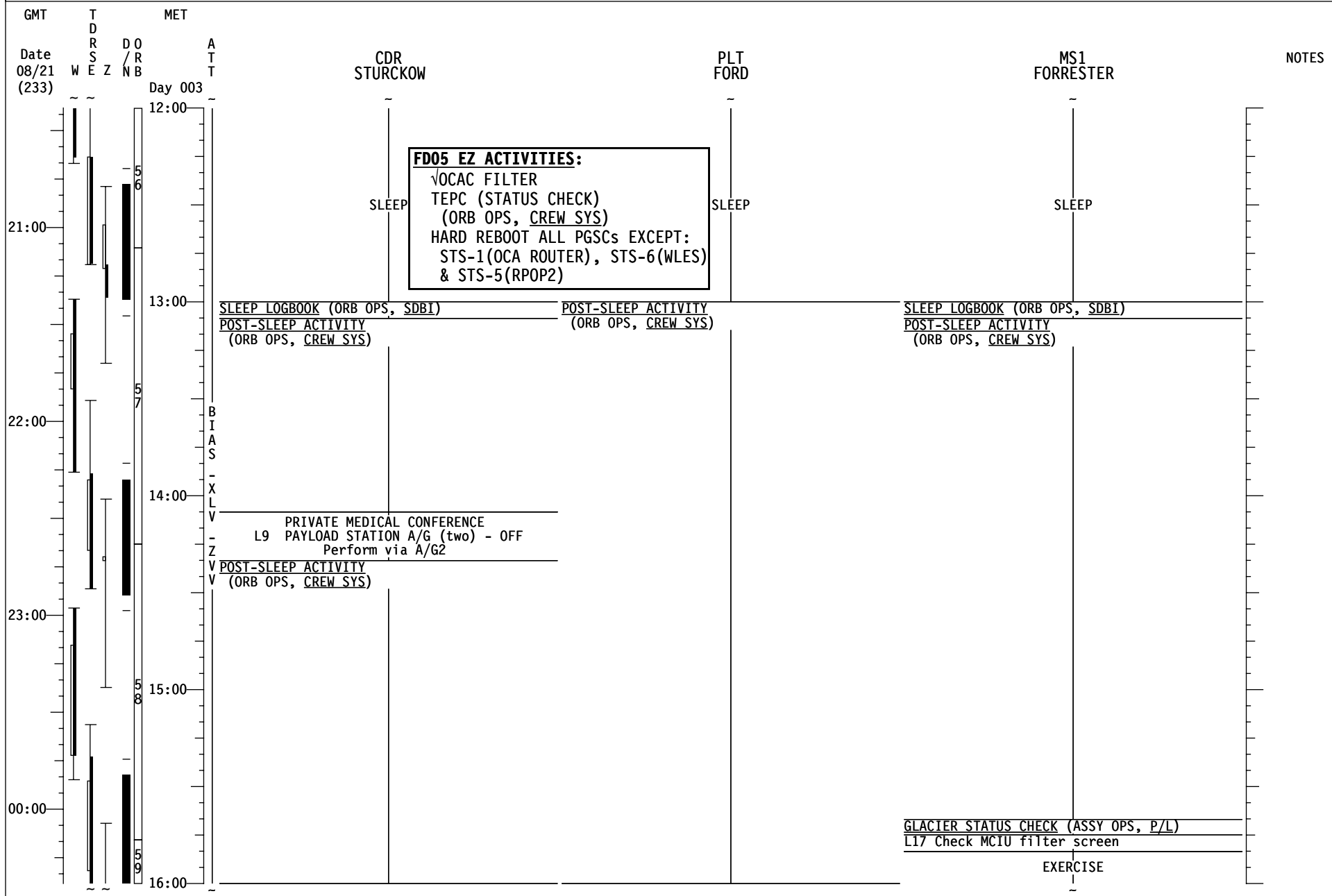
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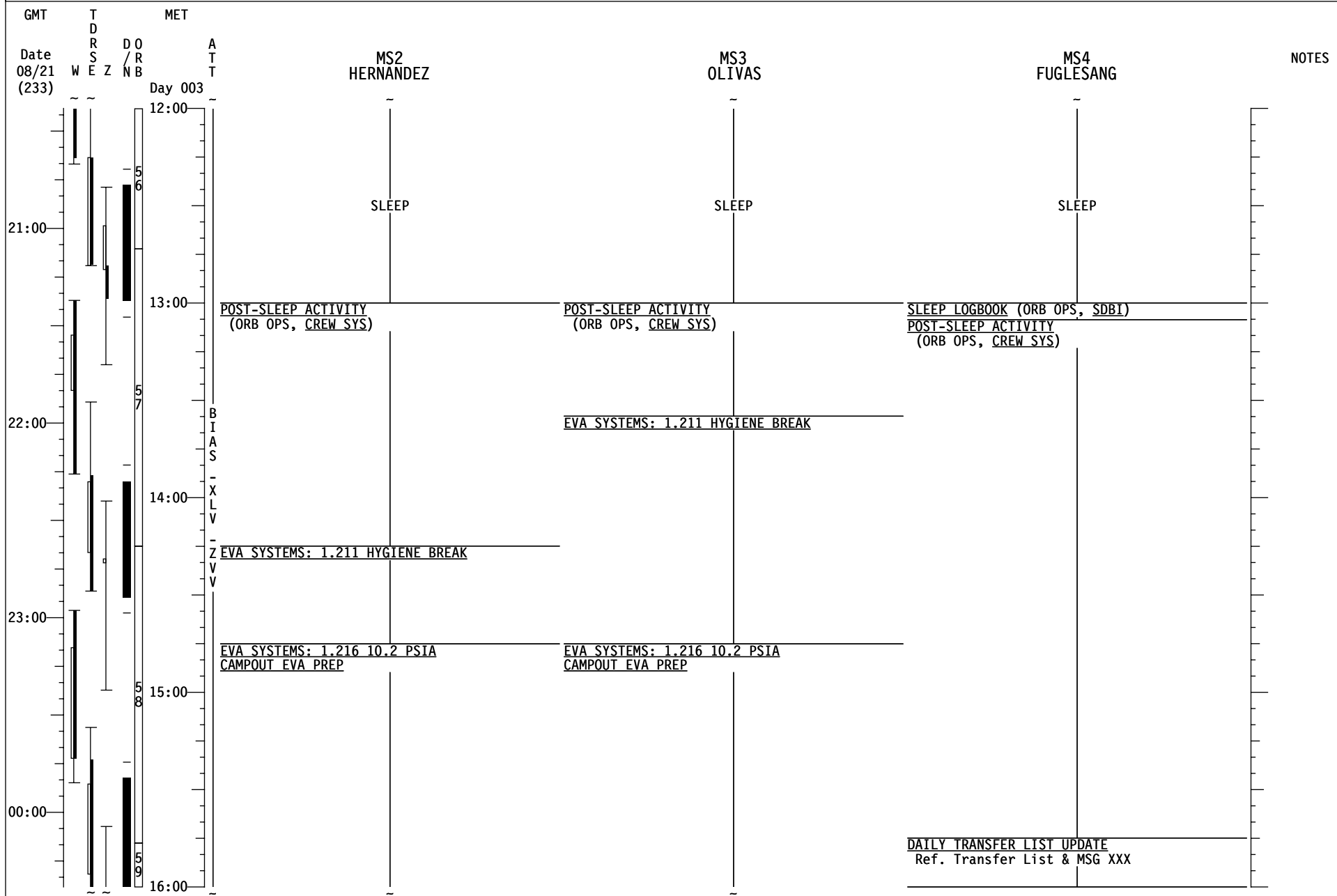
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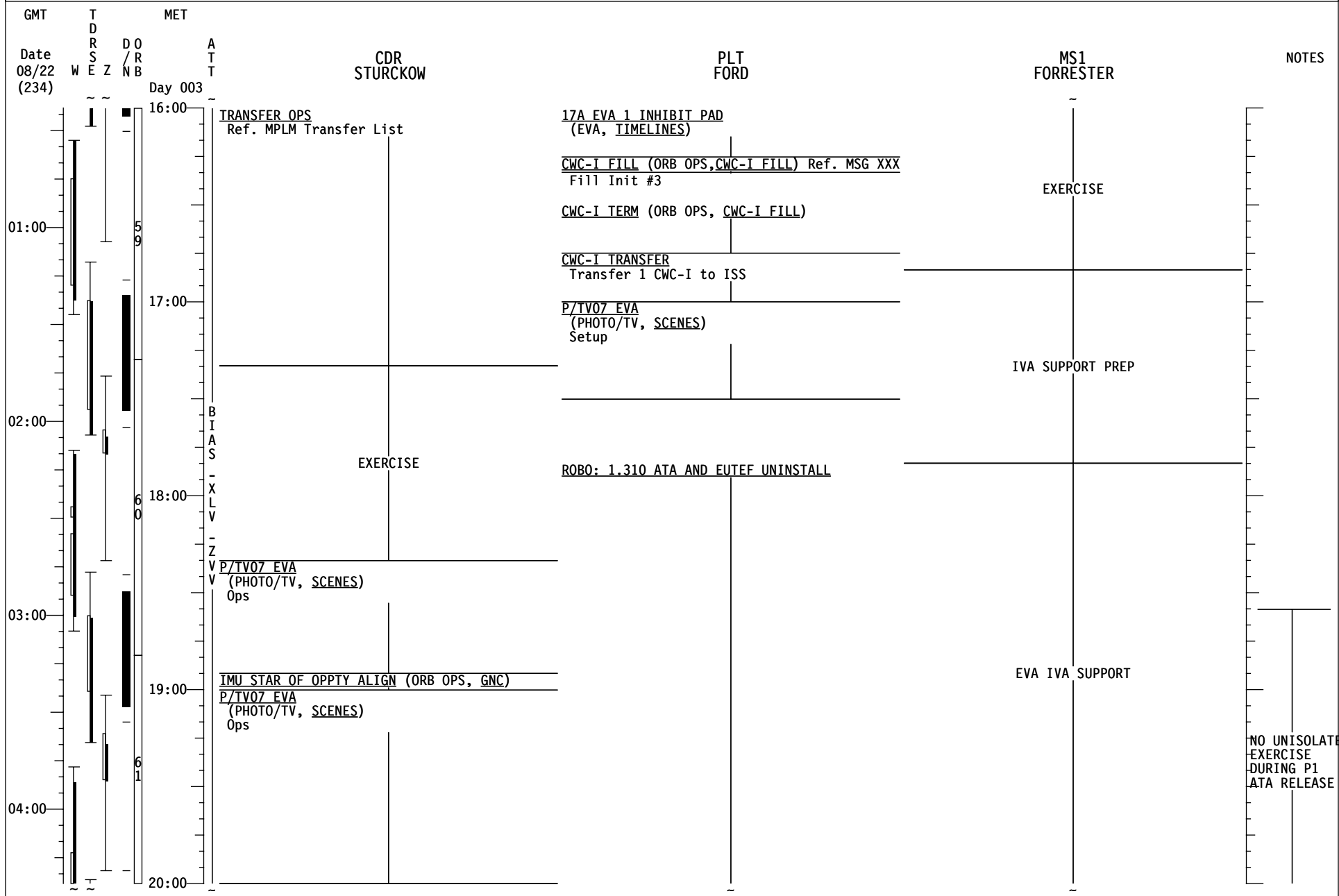
STS-128/17A FD05



STS-128/17A FD05



STS-128/17A FD05

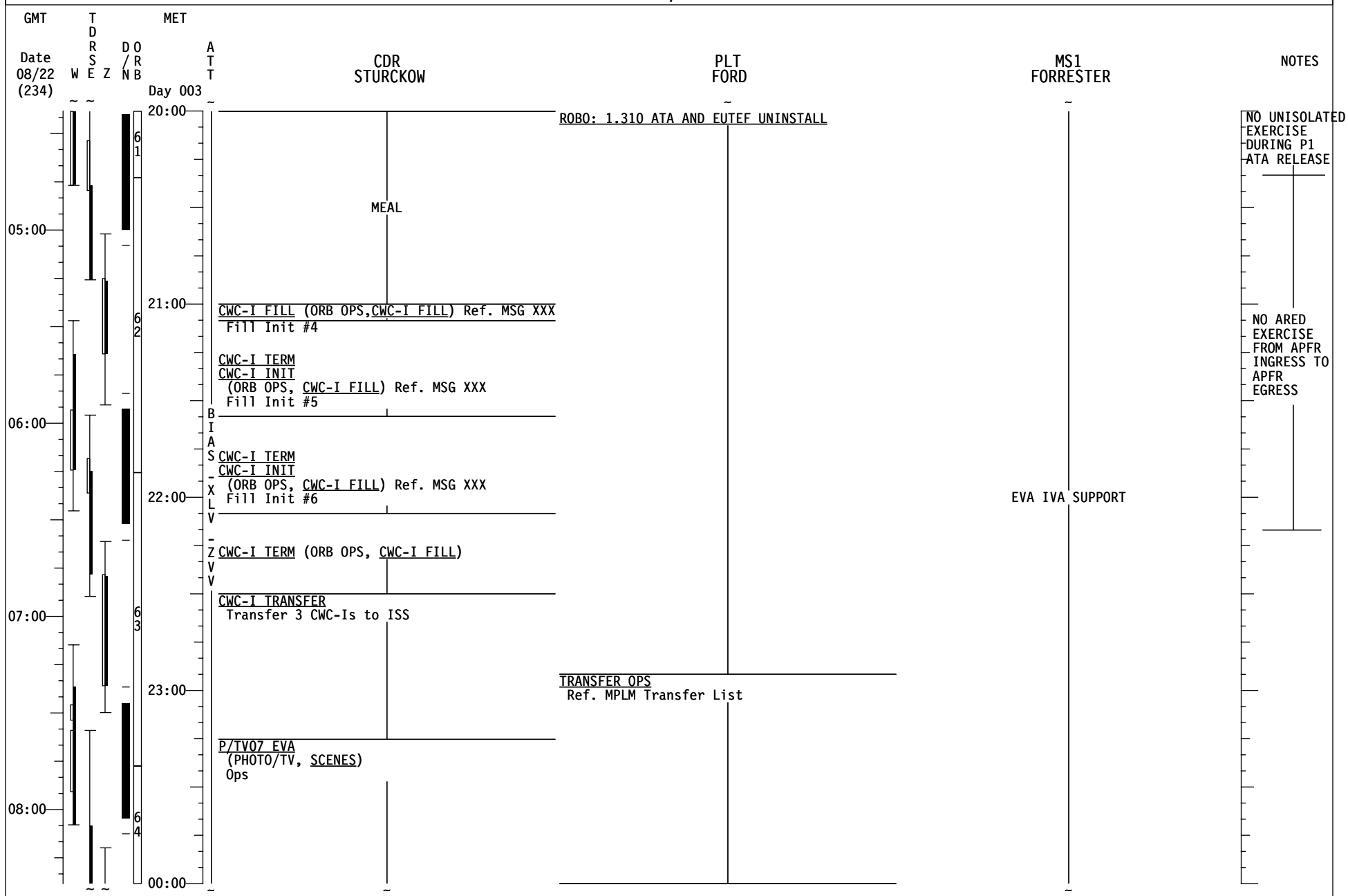


NO UNISOLATED EXERCISE DURING P1 ATA RELEASE

STS-128/17A FD05

GMT	T D R S W E Z	MET	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
Date 08/22 (234)	W E Z	DO / R NB Day 003				
16:00			EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP	EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP	TRANSFER OPS Ref. MPLM Transfer List	
			EVA SYSTEMS: 1.220 EMU PURGE	EVA SYSTEMS: 1.220 EMU PURGE		
01:00			EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	2.140 ZSR TRANSFER MPLM TO ISS (ASSY OPS, TRANSFER)	
					2.142 ZSR RACK DEPLOY IN JPM OR JLP (ASSY OPS, TRANSFER)	
02:00			EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	2.104 RACK TRANSFER FROM MPLM TO ISS (ASSY OPS, TRANSFER) Perform for T-2 (COLBERT) Rack	
			EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)		
18:00			X TRANSFER OPS Ref. MPLM Transfer List	EVA SYSTEMS: CREWLOCK EGRESS (CC)		
				P1 ATA WORKSITE SETUP		
03:00					2.108 RACK TRANSFER FROM MPLM TO ISS (ASSY OPS, TRANSFER) Perform for CQ Rack	
				P1 ATA RELEASE FROM TRUSS		
04:00						NO UNISOLATED EXERCISE DURING P1 ATA RELEASE
20:00						

STS-128/17A FD05



ROBO: 1.310 ATA AND EUTEF UNINSTALL

EVA IVA SUPPORT

TRANSFER OPS
Ref. MPLM Transfer List

P/TV07 EVA
(PHOTO/TV, SCENES)
Ops

STS-128/17A FD05

GMT	T D R S W E Z	MET D O R / N B Day 003	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
20:00					P1 ATA RELEASE FROM TRUSS		NO UNISOLATED EXERCISE DURING P1 ATA RELEASE
05:00				MEAL		MEAL	
21:00				<u>TRANSFER OPS</u> Ref. MPLM Transfer List	EUTEF RETRIEVAL AND STOW ON LMC	<u>2.104 RACK TRANSFER FROM MPLM TO ISS</u> (ASSY OPS, TRANSFER) Perform for N3 ARS Rack	NO ARED EXERCISE FROM APFR INGRESS TO APFR EGRESS
06:00			B I A S				
22:00			X L V				
07:00			Z V V			EXERCISE	
23:00					MISSE 6 RETRIEVAL AND STOW IN PLB		
08:00				EXERCISE		<u>TRANSFER OPS</u> Ref. MPLM Transfer List	
00:00					CLEANUP		

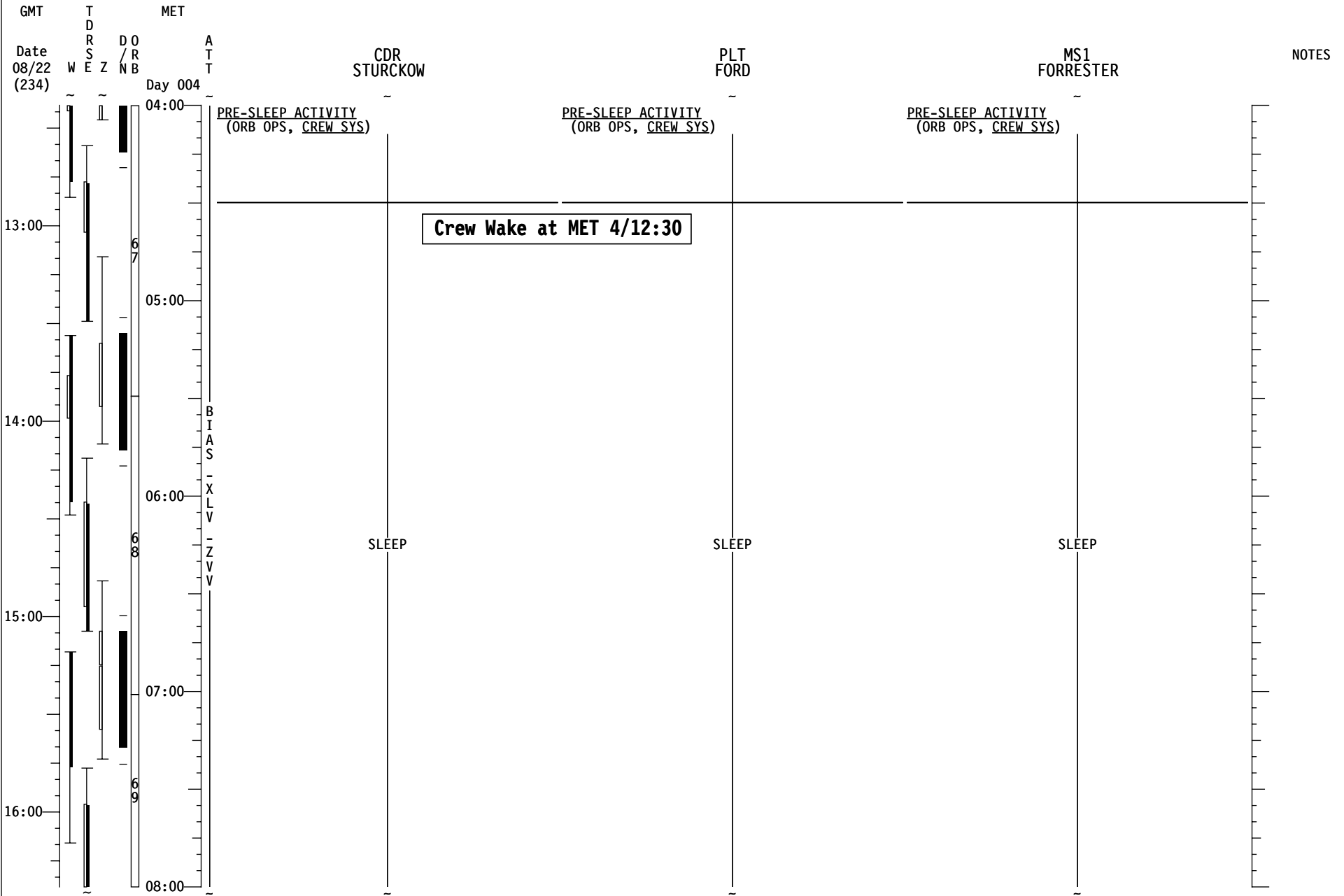
STS-128/17A FD05

GMT	T D R S W E Z	MET D O R N B	A T T Day 004	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
00:00				P/TV07 EVA (PHOTO/TV, SCENES) Ops	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #1 Ref. MSG XXX	EVA IVA SUPPORT	
09:00				TRANSFER OPS Ref. MPLM Transfer List	EXERCISE	TRANSFER OPS Ref. MPLM Transfer List	
10:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	GLACIER STATUS CHECK (ASSY OPS, P/L)	
11:00				PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2	CWC TRANSFER Transfer 1 CWC to ISS	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
12:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TV (ILLUMINATOR OPS) (PHOTO/TV, CC) ILLUMINATORS ON - A,D		
04:00					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		

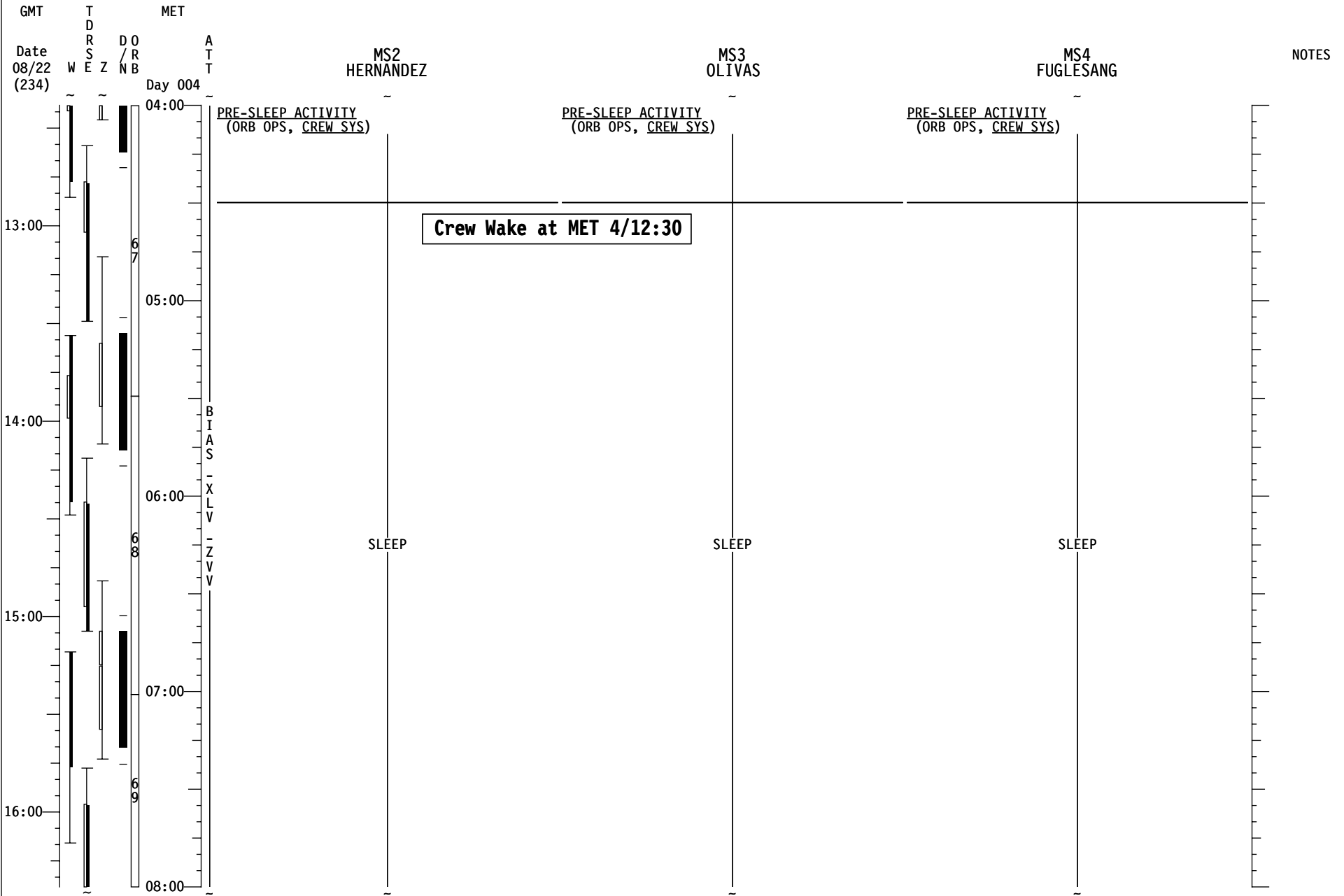
STS-128/17A FD05

GMT	TDRS W E Z	MET Day 004	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
08/22 (234)							
00:00				EXERCISE	INGRESS		<u>TRANSFER OPS</u> Ref. MPLM Transfer List
				<u>EVA SYSTEMS: PRE REPRESS (CC)</u>	<u>EVA SYSTEMS: PRE REPRESS (CC)</u>		
				<u>EVA SYSTEMS: CREWLOCK</u>	<u>EVA SYSTEMS: CREWLOCK</u>		
				<u>DEPRESS/REPRESS (CC)</u>	<u>DEPRESS/REPRESS (CC)</u>		
09:00				<u>EVA SYSTEMS: 1.240 POST EVA</u> With H2O With METOX	<u>EVA SYSTEMS: 1.240 POST EVA</u> With H2O With METOX		
				Ref: <u>STS-128 CONSUMABLES</u> <u>TRACKING CC (EVA)</u>	Ref: <u>STS-128 CONSUMABLES</u> <u>TRACKING CC (EVA)</u>		
				Ref: <u>STS-128 Battery</u> <u>Recharge Plan</u>	Ref: <u>STS-128 Battery</u> <u>Recharge Plan</u>		<u>L10H GATHER</u> Ref MSG XXX and Transfer List
10:00							<u>TRANSFER TAGUP</u> Coordinate with transfer counterparts
							<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)
11:00				<u>EVA SYS: 1.605 BSA BATTERY RECHARGE</u> INITIATE	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		<u>TRANSFER BRIEF</u> Call down status to MCC
				V Ref: <u>STS-128 Consumables Tracking CC (EVA)</u> Ref: <u>STS-128 Battery Recharge Plan (EVA)</u>			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)
12:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
04:00							

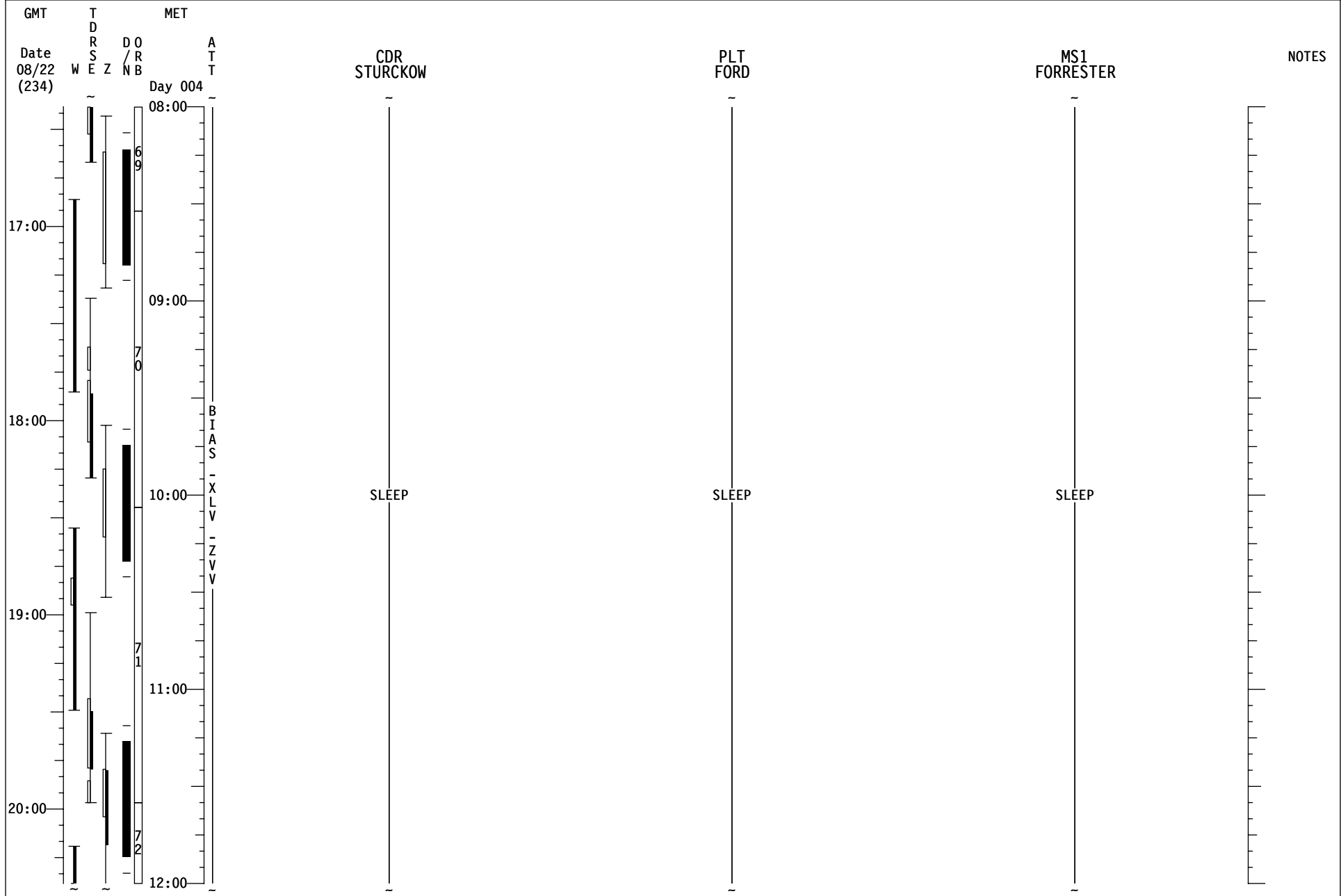
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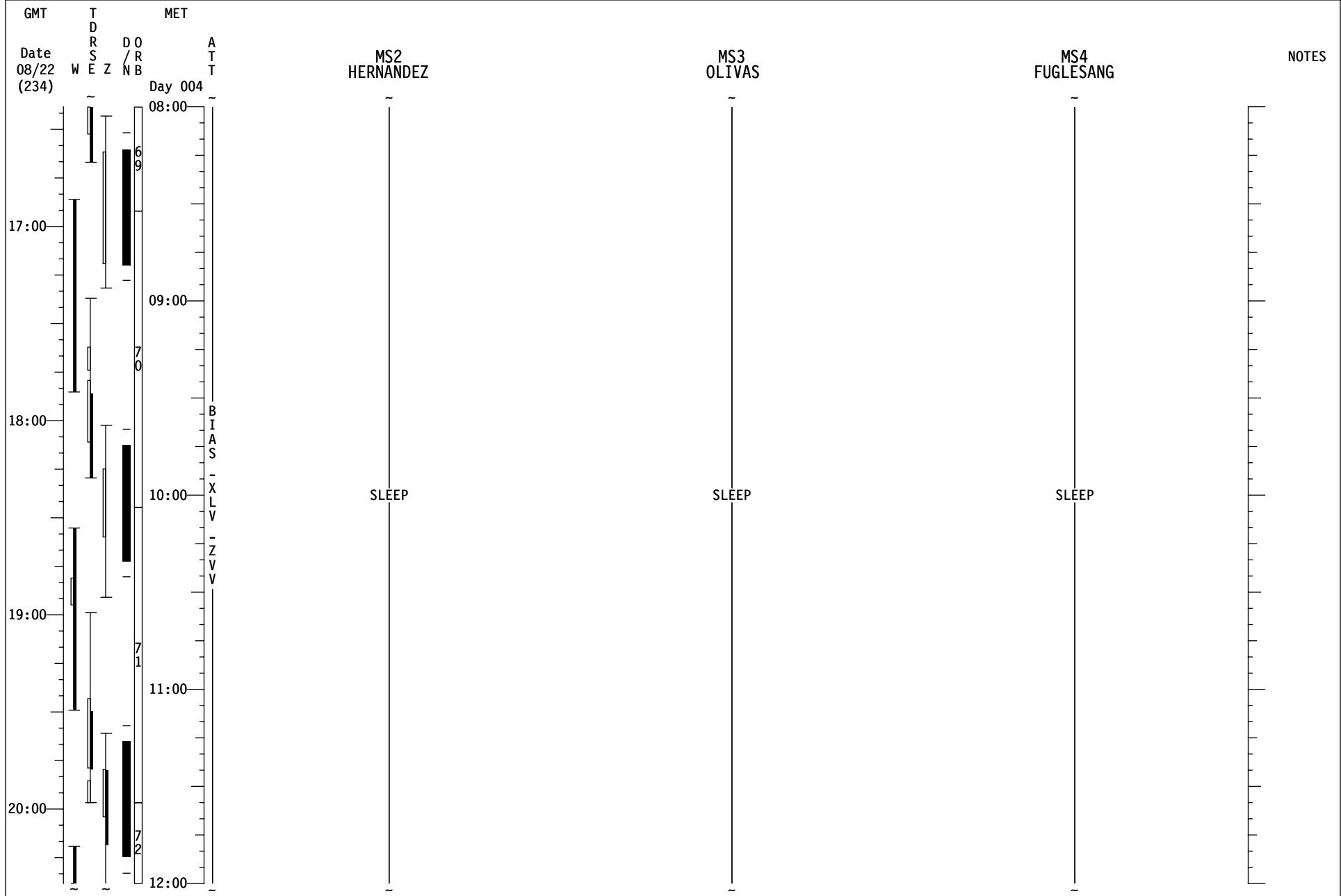
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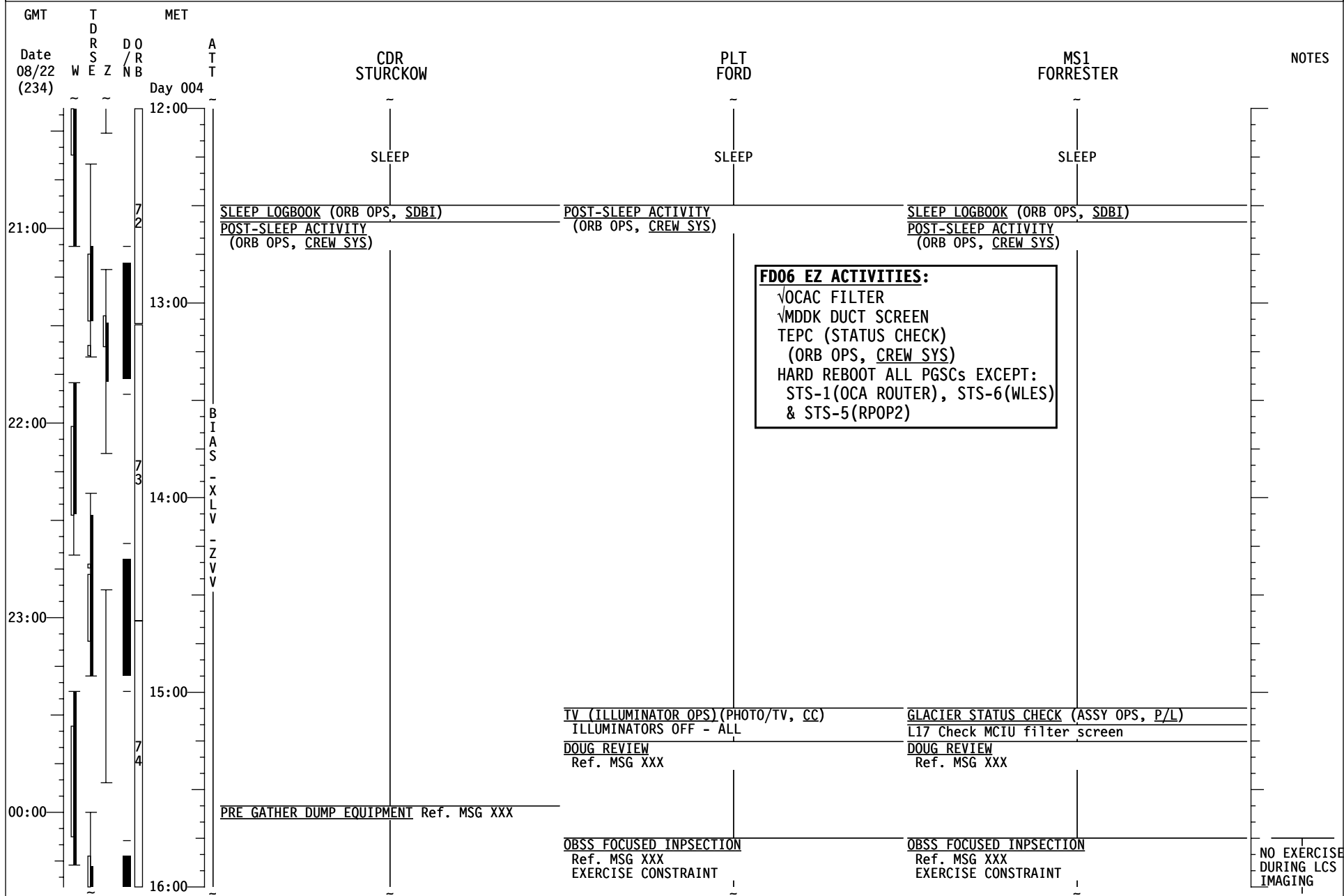
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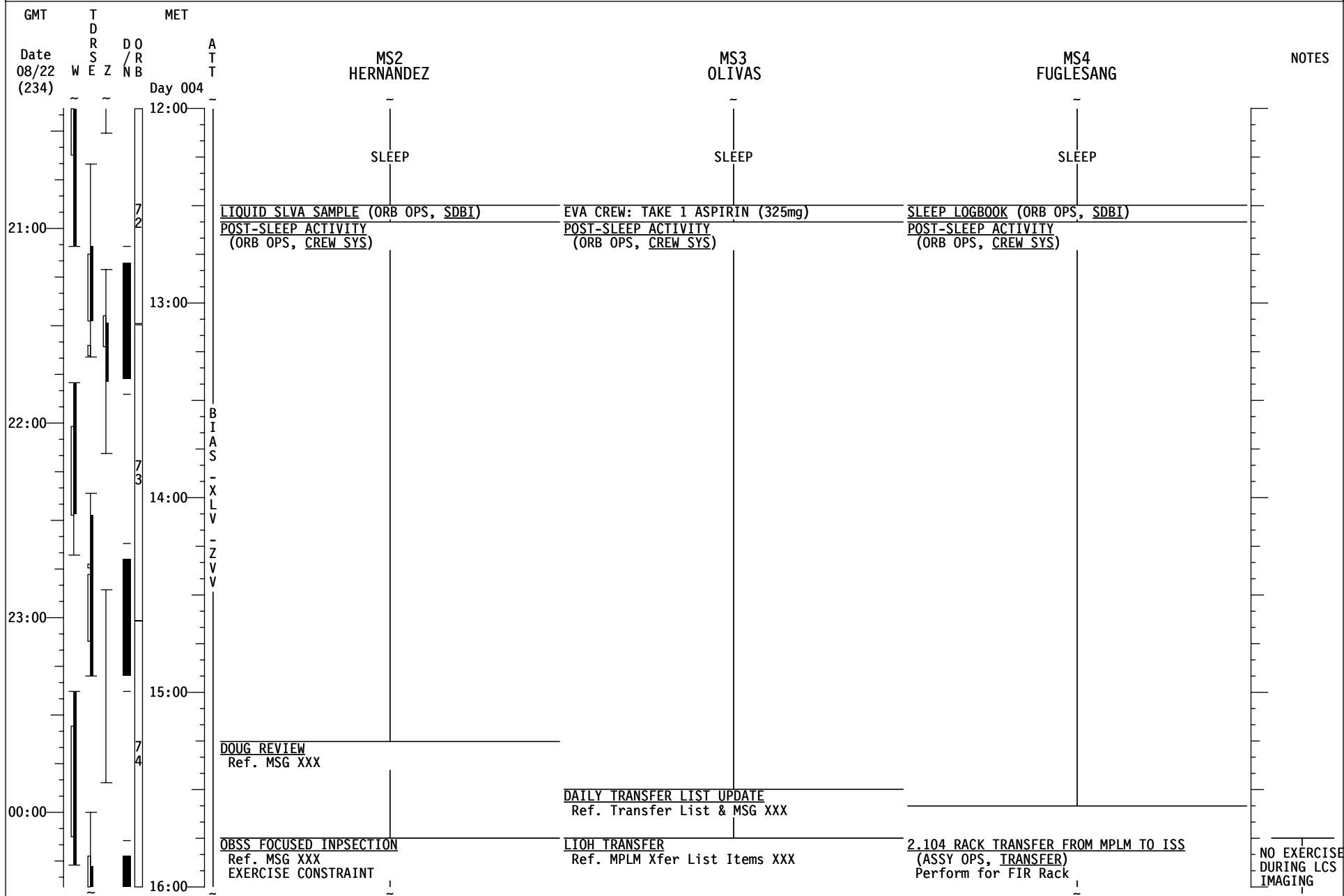
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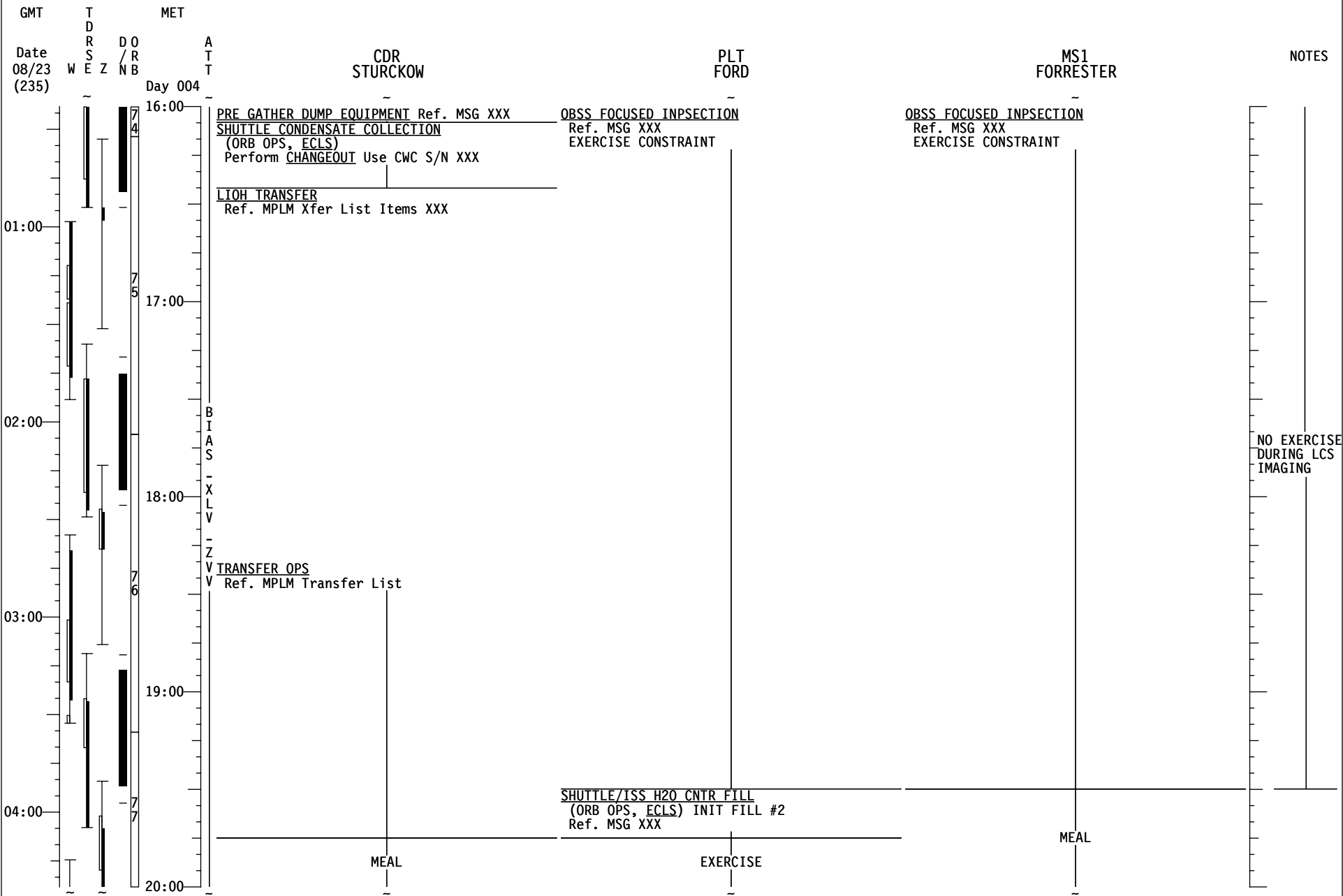
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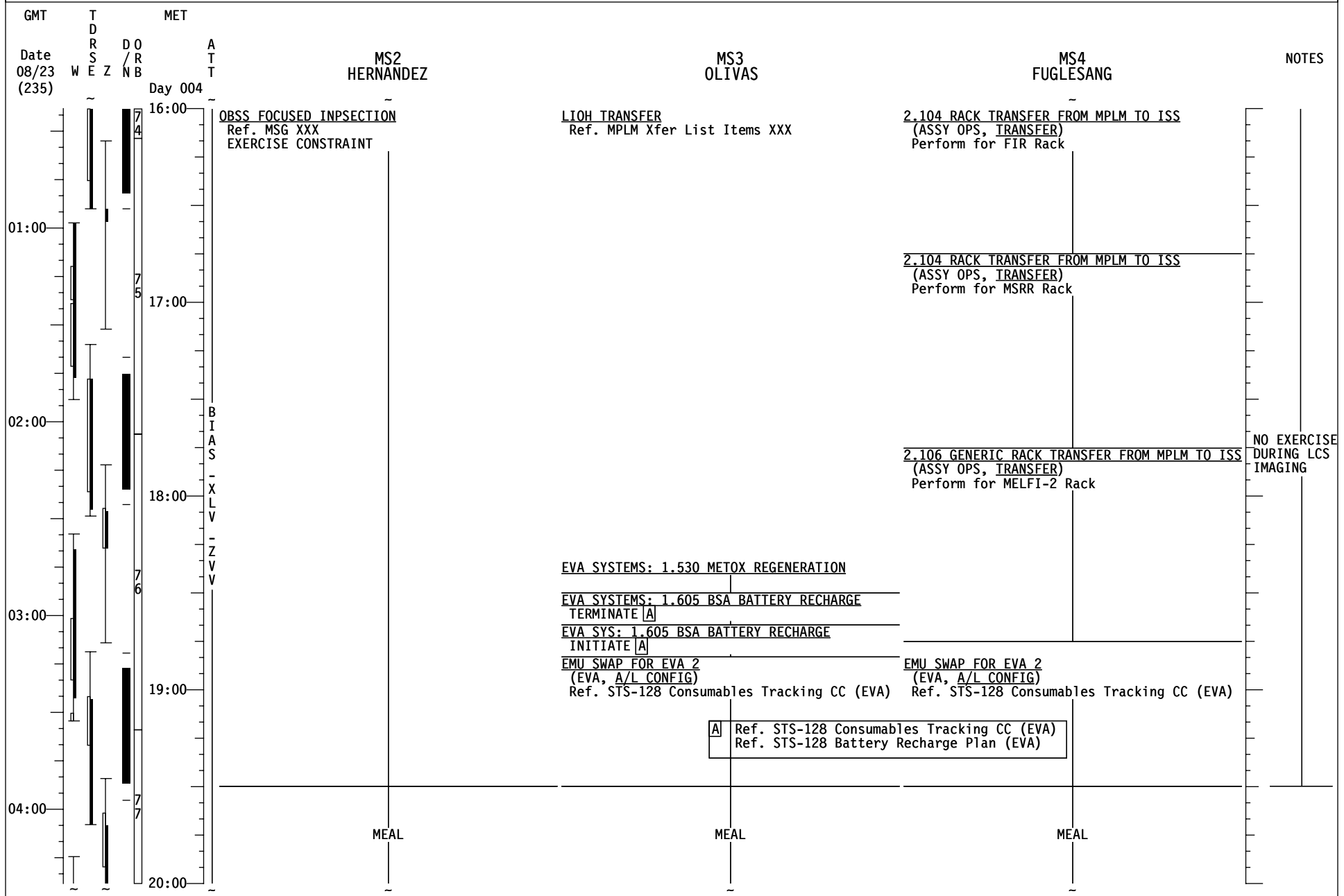
STS-128/17A FD06



STS-128/17A FD06



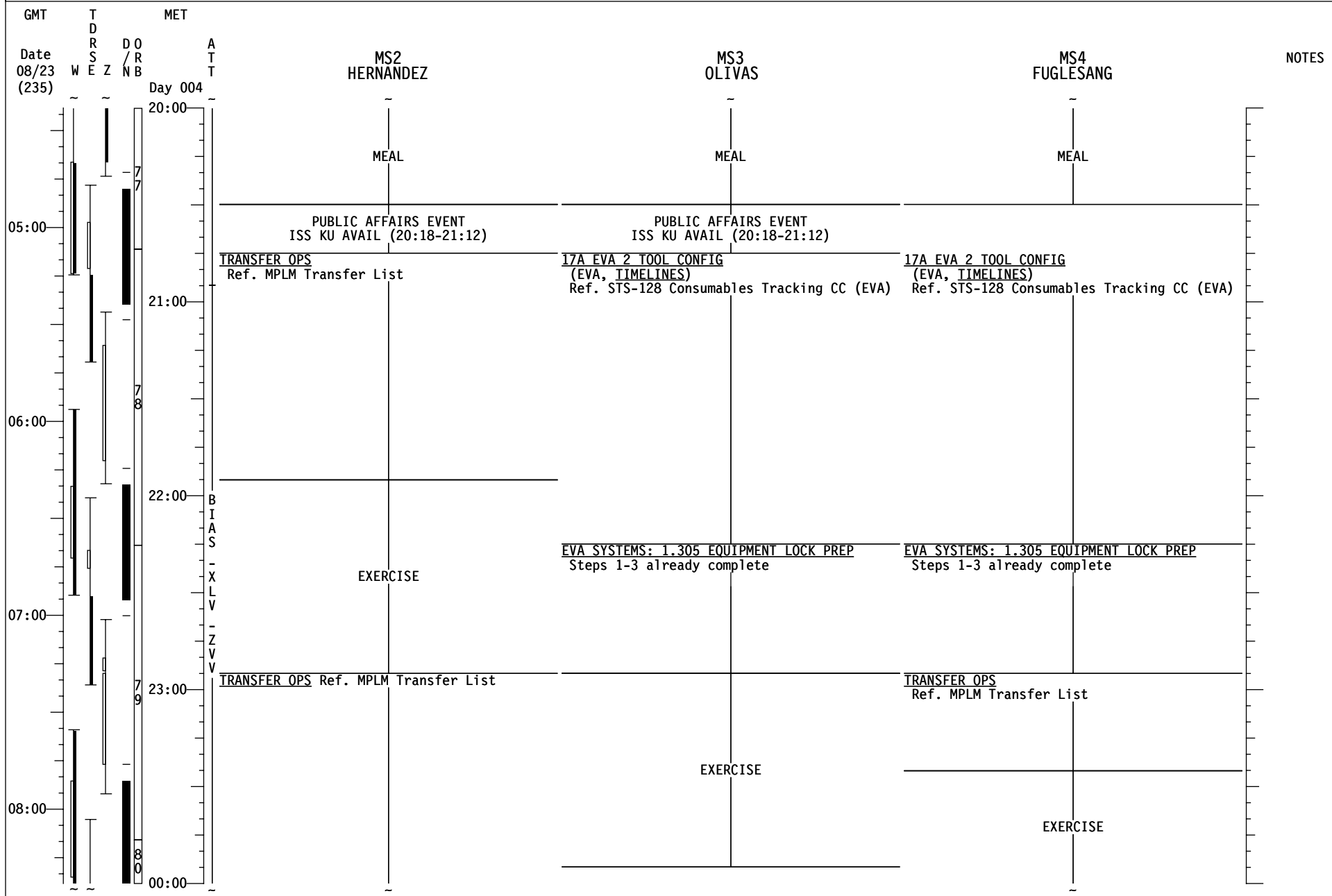
STS-128/17A FD06



STS-128/17A FD06

GMT	TDRS W E Z	MET Day 004	ATT CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
20:00			MEAL	EXERCISE	MEAL	
05:00			H/O ATT CNTRL CMG TA TO ORB: VMCC for DAP	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS)	GLACIER/MELFI SAMPLE XFER REVIEW Ref. MSG XXX	
21:00			MNVR (TRK) BIAS -XLV -ZV (DUMP) TG=2 BV=5 P=163 Y=358 OM=193 A12/AUTO/VERN Init TRK	Perform FILL TERMINATION IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	TRANSFER OPS Ref. MPLM Transfer List	
06:00			SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply Dump	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply Dump		UPDATE H2O SPLY DUMP QTY TK A & B
22:00			EXERCISE	MEAL	17A EVA 2 TOOL CONFIG (EVA, TIMELINES) Ref. STS-128 Consumables Tracking CC (EVA)	
07:00			SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply Dump	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply Dump		
23:00			CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	EXERCISE	
08:00			TRANSFER OPS Ref. MPLM Transfer List	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)		SAMPLE TRANSFER GLACIER TO MELFI Ref. MSG XXX Steps X-X
			P/TV09 (GLACIER) VIDEO (P/TV, SCENES) ITEM 1			
00:00			CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	GLACIER TEMP RECONFIG Ref. MSG XXX	

STS-128/17A FD06



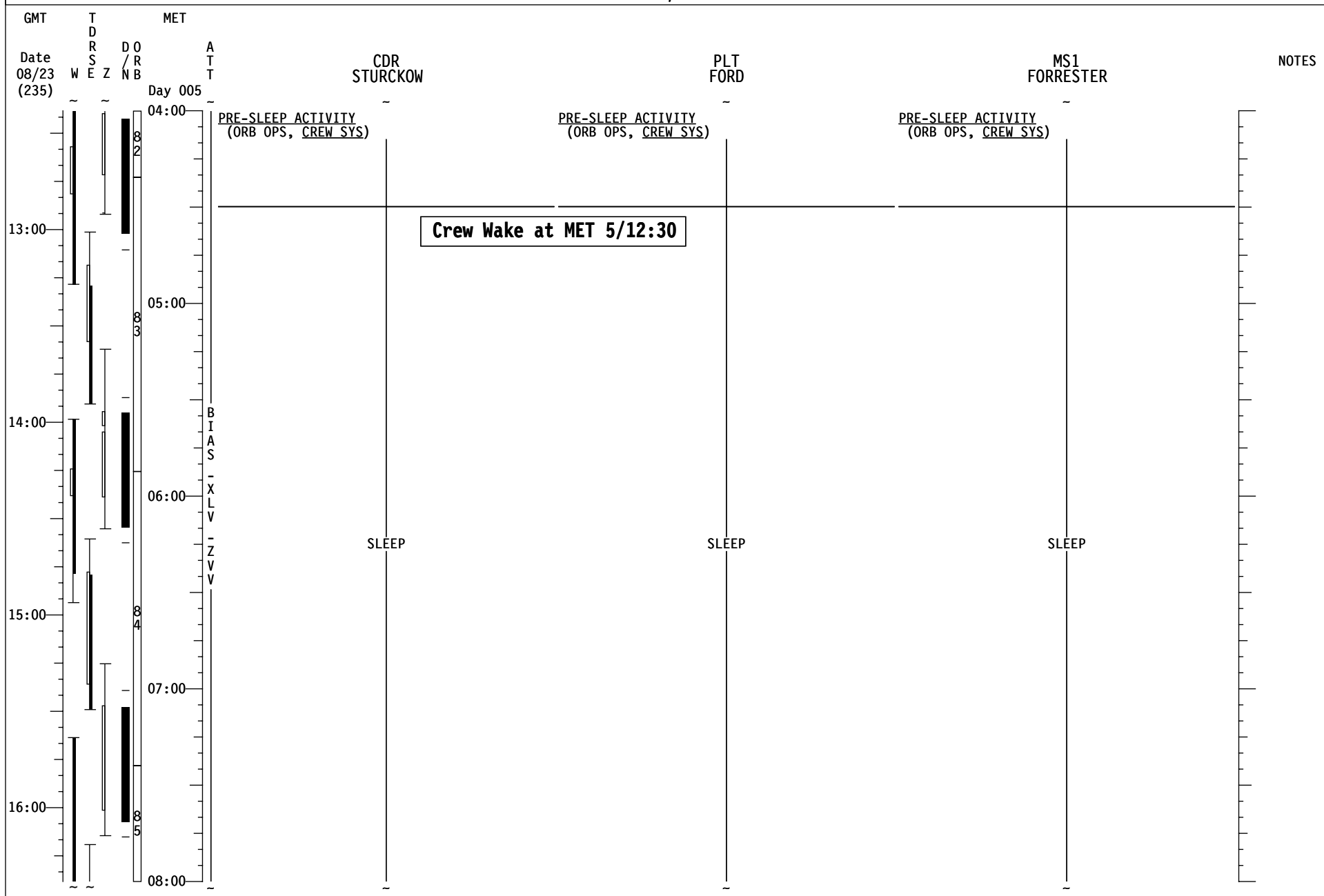
STS-128/17A FD06

GMT	T D R S E Z	MET	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/23 (235)	W E Z	Day 005				
		00:00	<u>CWC OVERBOARD DUMP</u> (ORB OPS, ECLS) Terminate MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=164 Y=358 OM=190 A12/AUTO/VERN Init TRK	<u>CWC OVERBOARD DUMP</u> (ORB OPS, ECLS) Terminate <u>CWC TRANSFER</u> Transfer 1 CWC to ISS	<u>GLACIER TEMP RECONFIG</u> Ref. MSG XXX	
09:00			<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)			
			When ISS is GO for attitude cntrl,DAP:FREE	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)	
		01:00	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)			
10:00			<u>TRANSFER TAGUP</u> Coordinate with transfer counterparts	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>GLACIER STATUS CHECK</u> (ASSY OPS, P/L)	
			<u>TRANSFER BRIEF</u> Call down status to MCC		<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
		02:00				
			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
11:00						
		03:00	PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2			
			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
12:00						
		04:00				

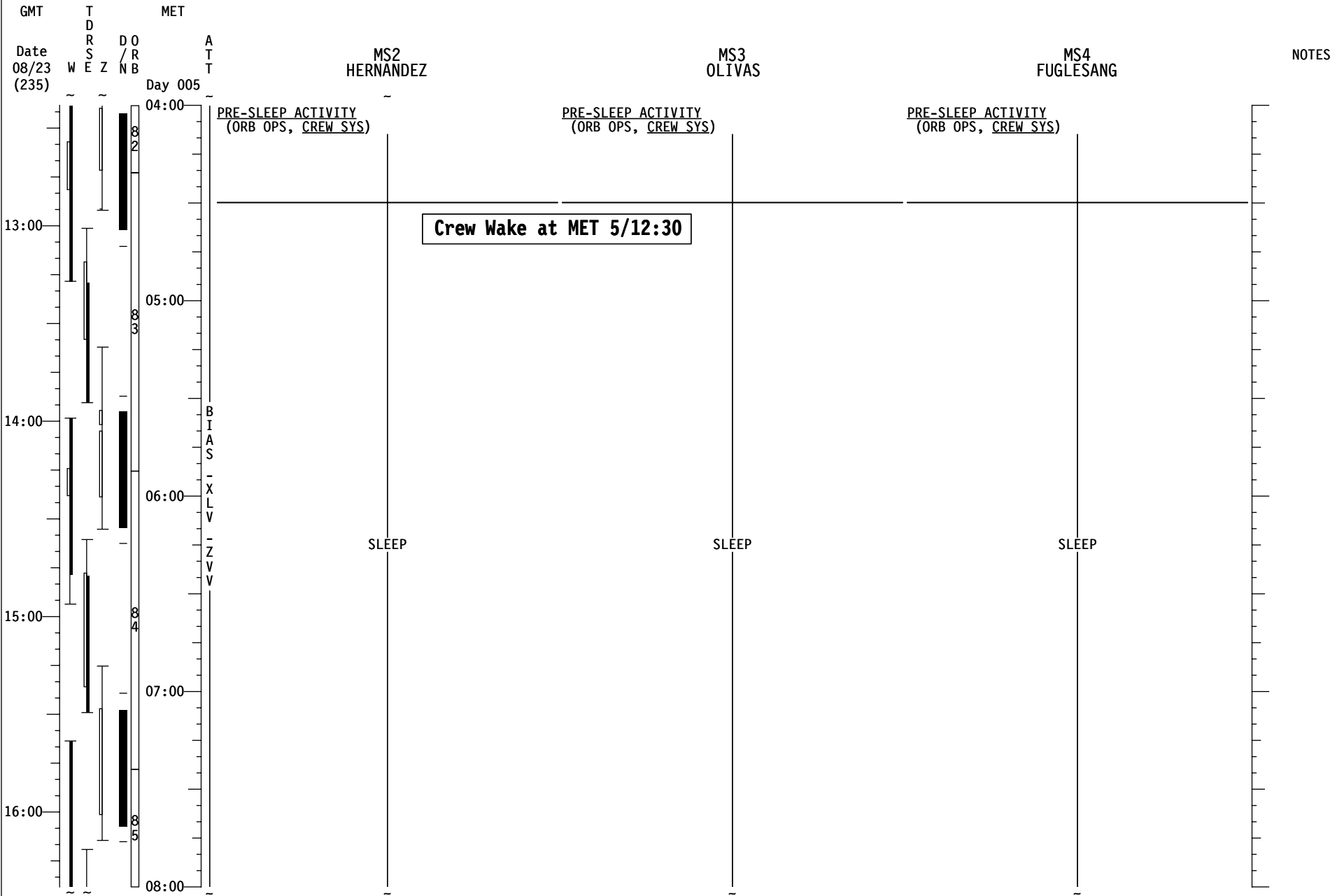
STS-128/17A FD06

GMT	T D R S W E Z	MET	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
Date 08/23 (235)	W	Day 005				
			~	~	~	
00:00			<u>TRANSFER OPS</u> Ref. MPLM Transfer List			
			PUBLIC AFFAIRS EVENT ISS KU AVAIL (4/23:19-5/00:28)	PUBLIC AFFAIRS EVENT ISS KU AVAIL (4/23:19-5/00:28)	EXERCISE	
09:00						
			<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> Ref. <u>EVA 2 BRIEFING CARD</u> (EVA, TIMELINES)	
01:00						
			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	
10:00						
02:00						
11:00						
			<u>EVA SYSTEMS: 1.206 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u>	<u>EVA SYSTEMS: 1.206 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u>	<u>EVA SYSTEMS: 1.206 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u>	
03:00						
12:00			<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)			
04:00						

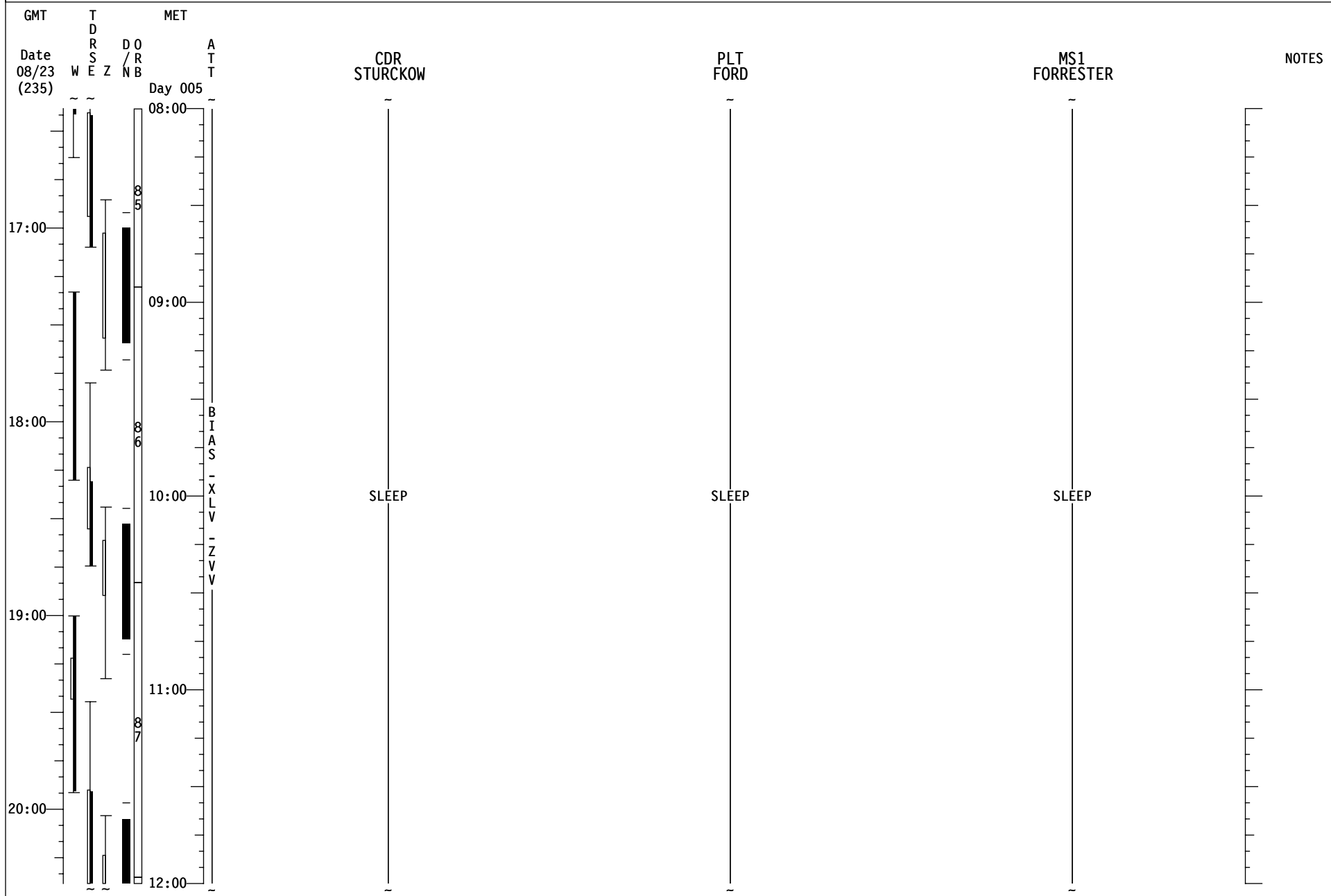
STS-128/17A FD06



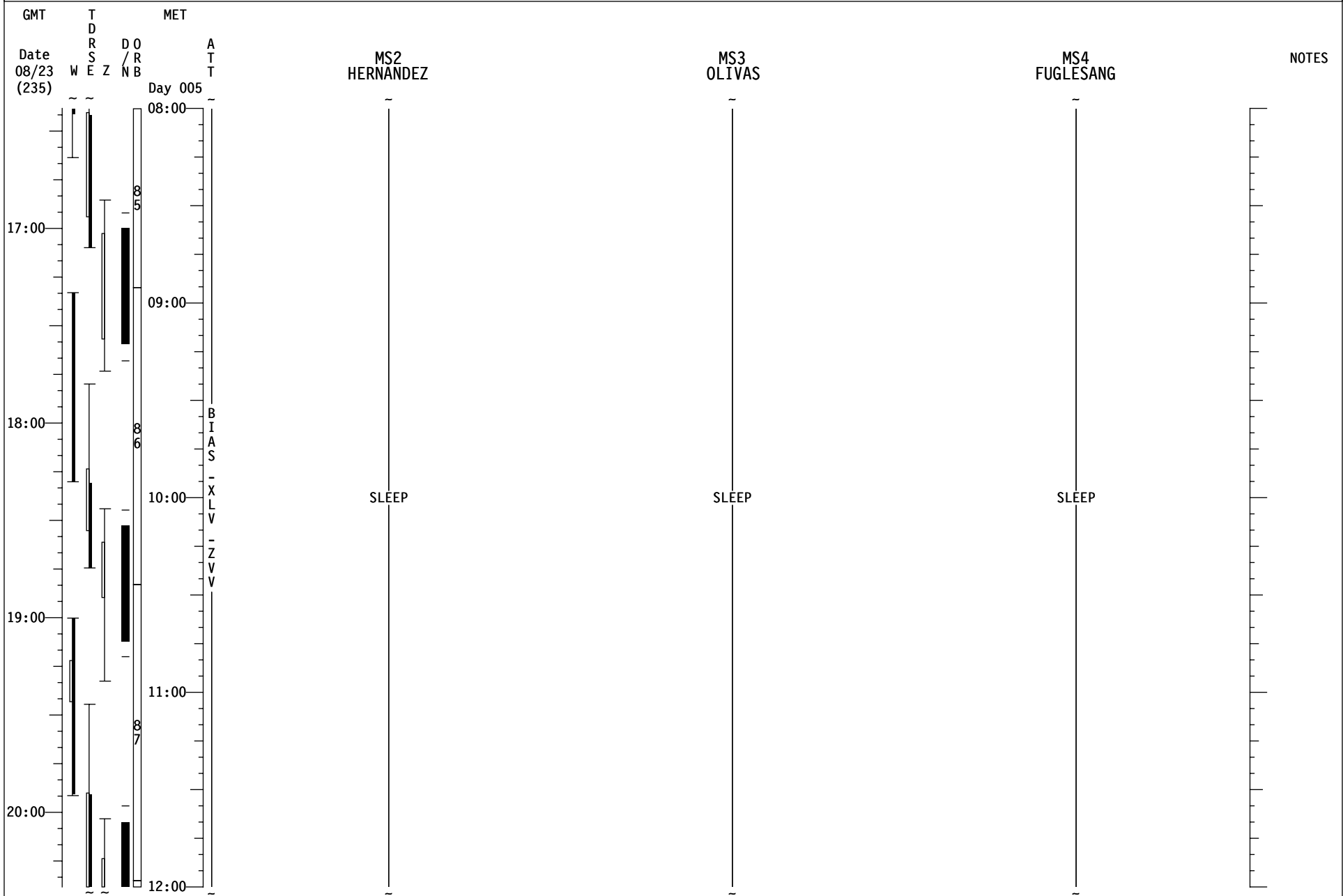
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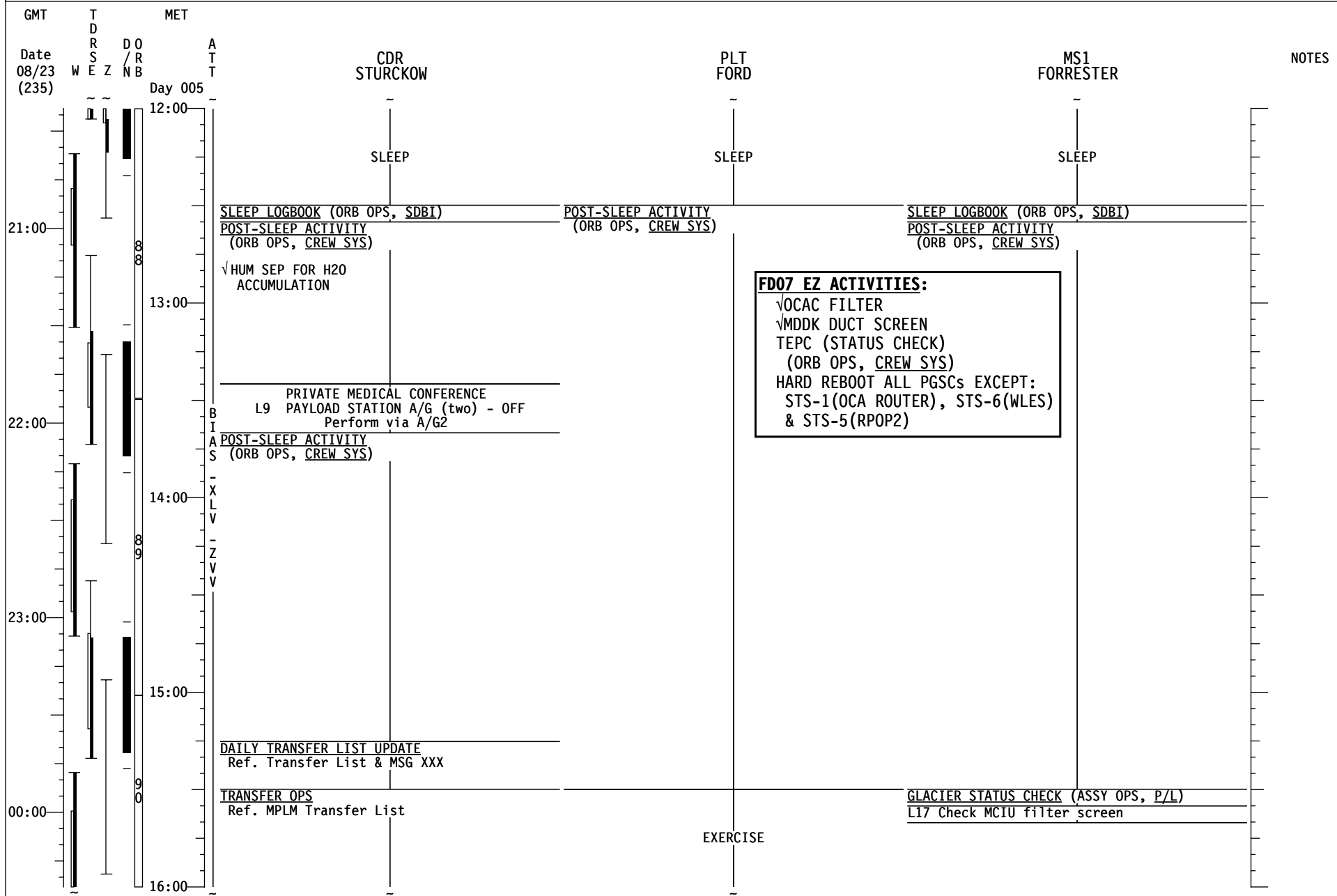
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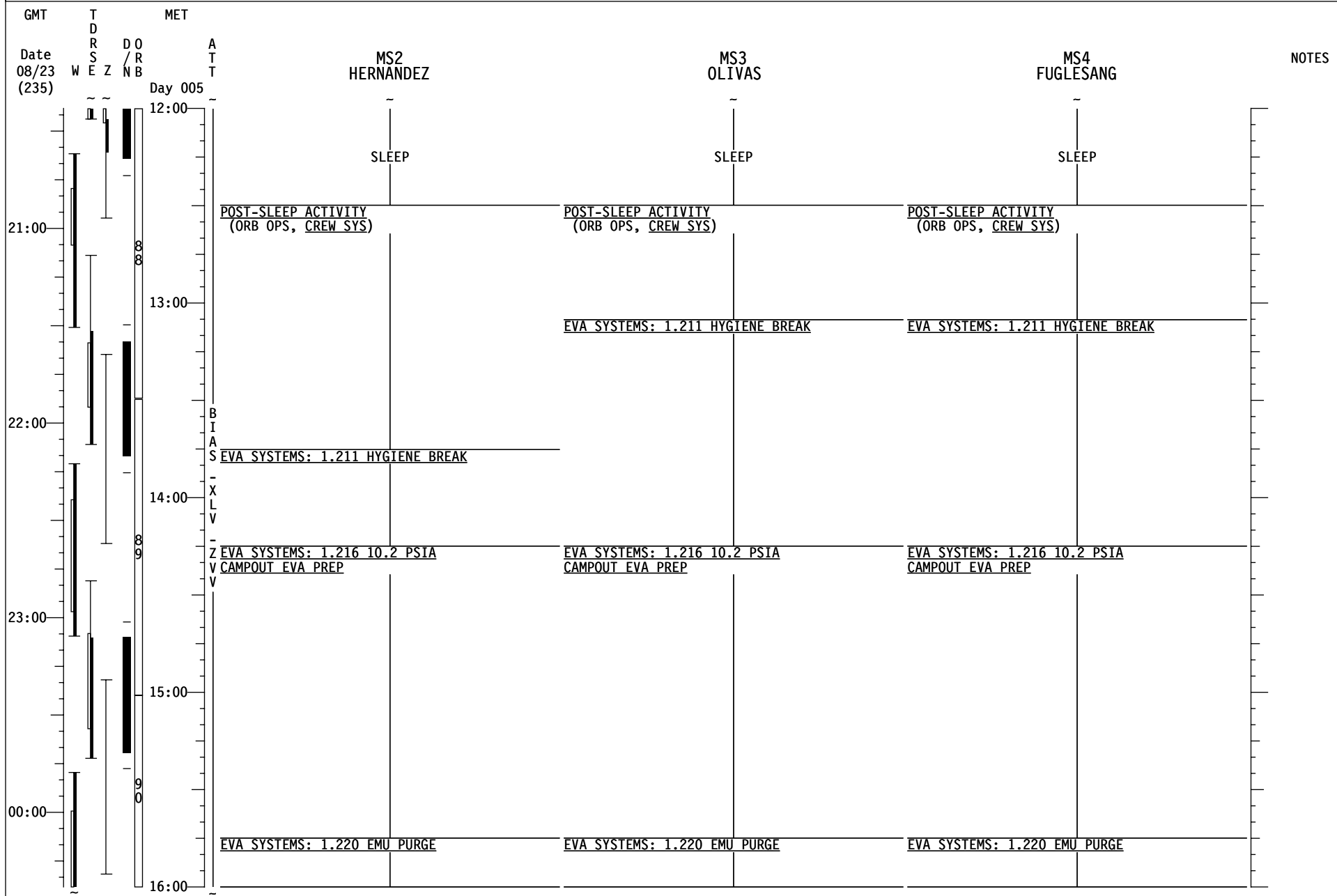
STS-128/17A FD06



STS-128/17A FD07



STS-128/17A FD07

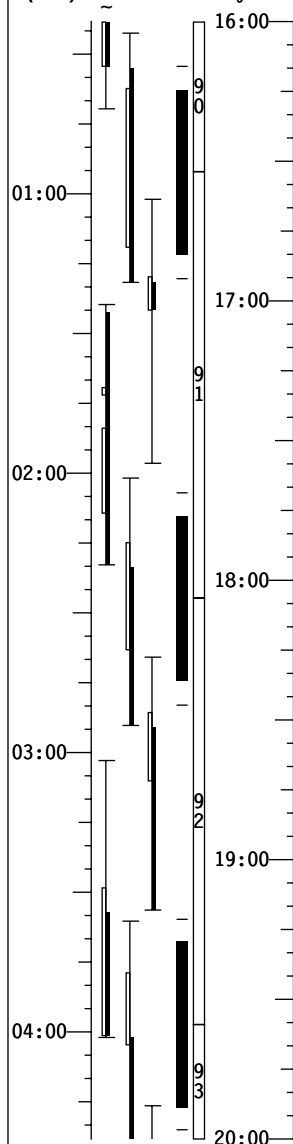


STS-128/17A FD07

GMT	TDRS W E Z	MET Day 005	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
16:00			TRANSFER OPS Ref. MPLM Transfer List	EXERCISE		
01:00			EXERCISE	17A EVA 2 INHIBIT PAD (EVA, TIMELINES)	IVA SUPPORT PREP	
17:00				P/TV07 EVA (PHOTO/TV, SCENES) Setup		
02:00			IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) CWC-I FILL (ORB OPS, CWC-I FILL) Ref. MSG XXX Fill Init #7	ROBO: 1.410 ATA UNBERTH AND INSTALL		
18:00			CWC-I TERM CWC-I INIT (ORB OPS, CWC-I FILL) Ref. MSG XXX Fill Init #8			
03:00			CWC-I TERM CWC-I INIT (ORB OPS, CWC-I FILL) Ref. MSG XXX Fill Init #9		EVA IVA SUPPORT	
19:00			CWC-I TERM (ORB OPS, CWC-I FILL)			
04:00			CWC-I TRANSFER Transfer 3 CWC-Is to ISS			
20:00						NO ARED EXERCISE DURING ATA REMOVAL, HANDOFF, AND INSTALL (APFR INGRESS THRU OLD ATA BERTH)

STS-128/17A FD07

GMT	T D R S W D R S E Z / N B	MET Day 005	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
16:00			EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	
17:00			EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	
18:00			EVA SYSTEMS: CREWLOCK POST DEPRESS (CC) TRANSFER OPS Ref. MPLM Transfer List	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC) EVA SYSTEMS: CREWLOCK EGRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC) EVA SYSTEMS: CREWLOCK EGRESS (CC)	
19:00				SETUP ATA WORKSITE IN PLB	SSRMS SETUP	
20:00				ATA REMOVAL FROM LMC	ATA REMOVAL FROM LMC	NO ARED EXERCISE DURING ATA REMOVAL, HANDOFF, AND INSTALL (APFR INGRESS THRU OLD ATA BERTH)
				PREP FOR P1 ATA INSTALL	MNVR TO P1 ATA INSTALL LOCATION	
				P1 ATA INSTALL ZENITH BOLTS (2)	P1 ATA INSTALL NADIR BOLTS (2)	



STS-128/17A FD07

GMT	T D R S E Z	MET	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/24 (236)	W E Z	Day 005				
			MEAL			
05:00		20:00		ROBO: 1.410 ATA UNBERTH AND INSTALL		
		21:00				
06:00						
		22:00			EVA IVA SUPPORT	
07:00						
		23:00				
08:00						
		00:00	TRANSFER OPS Ref. MPLM Transfer List	TRANSFER OPS Ref. MPLM Transfer List	EXERCISE	

NO ARED
EXERCISE
DURING ATA
INSTALL

STS-128/17A FD07

GMT	T D R S W E Z	MET D O R / N B Day 005	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
05:00				MEAL	CONNECT NH3/N2/ELECTRICAL CONNECTORS	PREP FOR ATA HANDOFF	
06:00				<u>TRANSFER OPS</u> Ref. MPLM Transfer List	P1 CLEANUP/ATA HANDOFF	ATA HANDOFF & MNVR TO LMC	
07:00					ATA INSTALL ON LMC	ATA INSTALL ON LMC	NO ARED EXERCISE DURING ATA INSTALL
08:00				EXERCISE	FGB CLEANUP	SSRMS CLEANUP	
				EVA SYSTEMS: PRE REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC)	
				EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	

STS-128/17A FD07

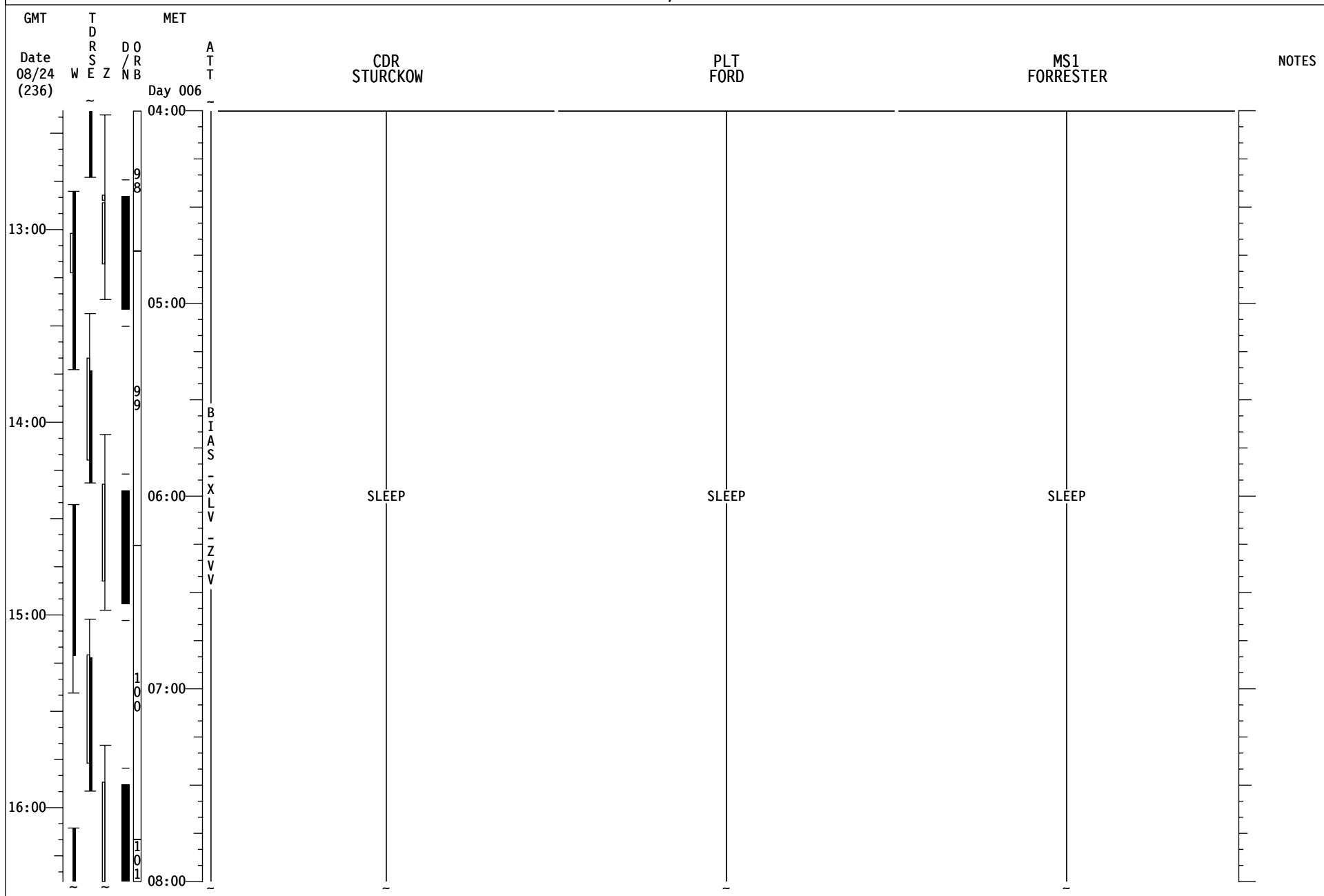
GMT	TDRSZ	MET	ATT	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/24 (236)	W E Z	Day 006					
00:00				<u>TRANSFER OPS</u> Ref. MPLM Transfer List	<u>TRANSFER OPS</u> Ref. MPLM Transfer List	EXERCISE	
09:00				<u>TRANSFER TAGUP</u> Coordinate with transfer counterparts	<u>TV (ILLUMINATOR OPS) (PHOTO/TV, CC)</u> <u>ILLUMINATORS ON - A,D</u>	<u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u>	
01:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
10:00			B I A S	<u>TRANSFER BRIEF</u> Call down status to MCC			
02:00			X L V	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
11:00			Z V V				
03:00				<u>NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC)</u> Private Medical Conference KU TDRW (03:00-03:16) A			
12:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
				A Omit steps 1,2,3 Use A/G2 for audio Inform MCC of which PGSC will be used			
				Crew Wake at MET 6/12:00			
04:00							

STS-128/17A FD07

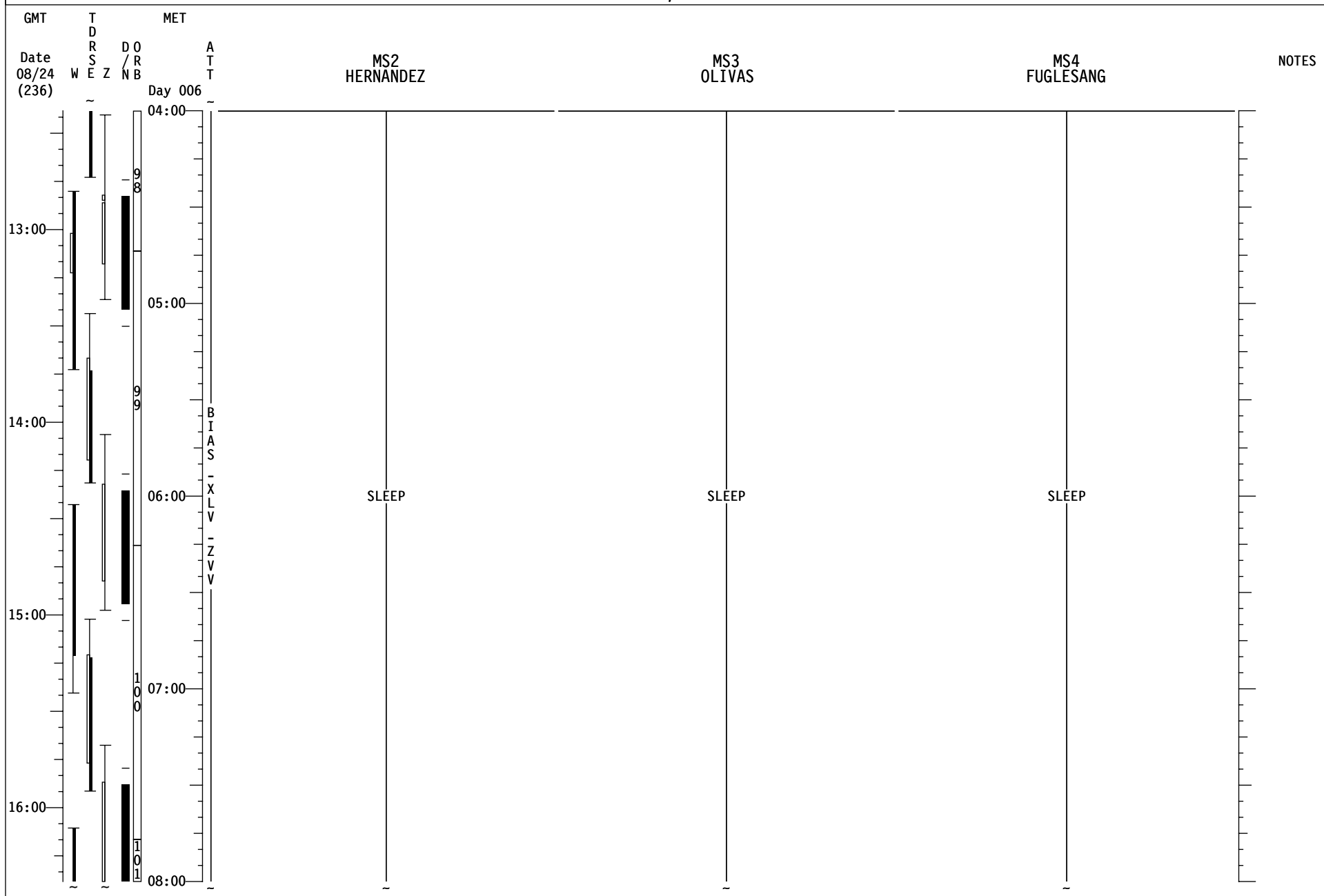
GMT	TDRSZ	MET	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
Date 08/24 (236)	W E Z	Day 006				
			<u>EVA SYSTEMS: CREWLOCK ~</u> <u>DEPRESS/REPRESS (CC)</u> <u>EVA SYSTEMS: 1.240 POST EVA</u> With H2O Ref: <u>STS-128 CONSUMABLES</u> <u>TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY</u> <u>RECHARGE PLAN</u>	<u>EVA SYSTEMS: CREWLOCK ~</u> <u>DEPRESS/REPRESS (CC)</u> <u>EVA SYSTEMS: 1.240 POST EVA</u> With H2O Ref: <u>STS-128 CONSUMABLES</u> <u>TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY</u> <u>RECHARGE PLAN</u>	<u>EVA SYSTEMS: CREWLOCK ~</u> <u>DEPRESS/REPRESS (CC)</u> <u>EVA SYSTEMS: 1.240 POST EVA</u> With H2O Ref: <u>STS-128 CONSUMABLES</u> <u>TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY</u> <u>RECHARGE PLAN</u>	
09:00						
10:00			<u>EVA SYS: 1.605 BSA BATTERY RECHARGE</u> INITIATE Ref. <u>STS-128 Consumables Tracking CC (EVA)</u> Ref. <u>STS-128 Battery Recharge Plan (EVA)</u>	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	
11:00						
12:00						
04:00						

Crew Wake at MET 6/12:00

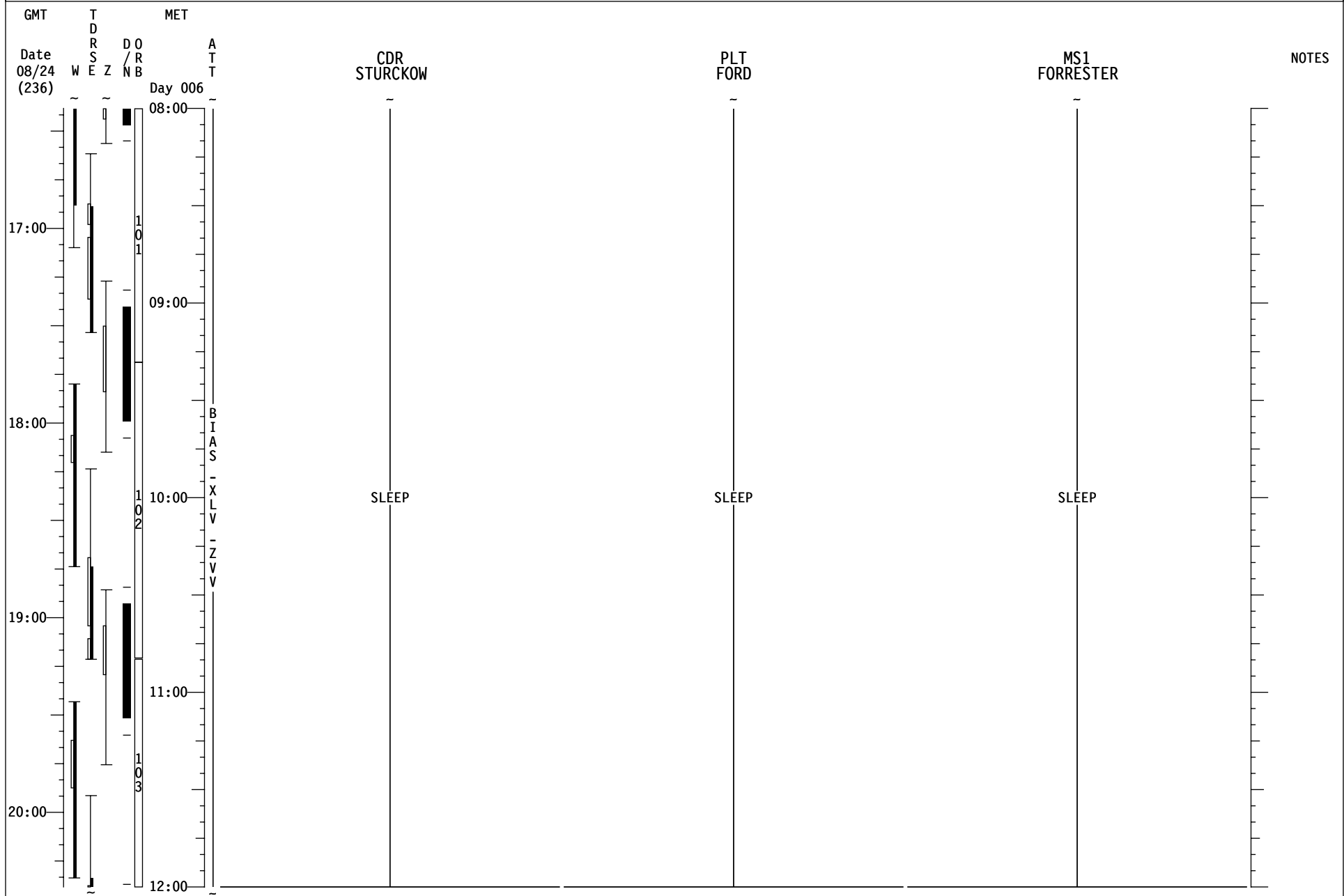
STS-128/17A FD07



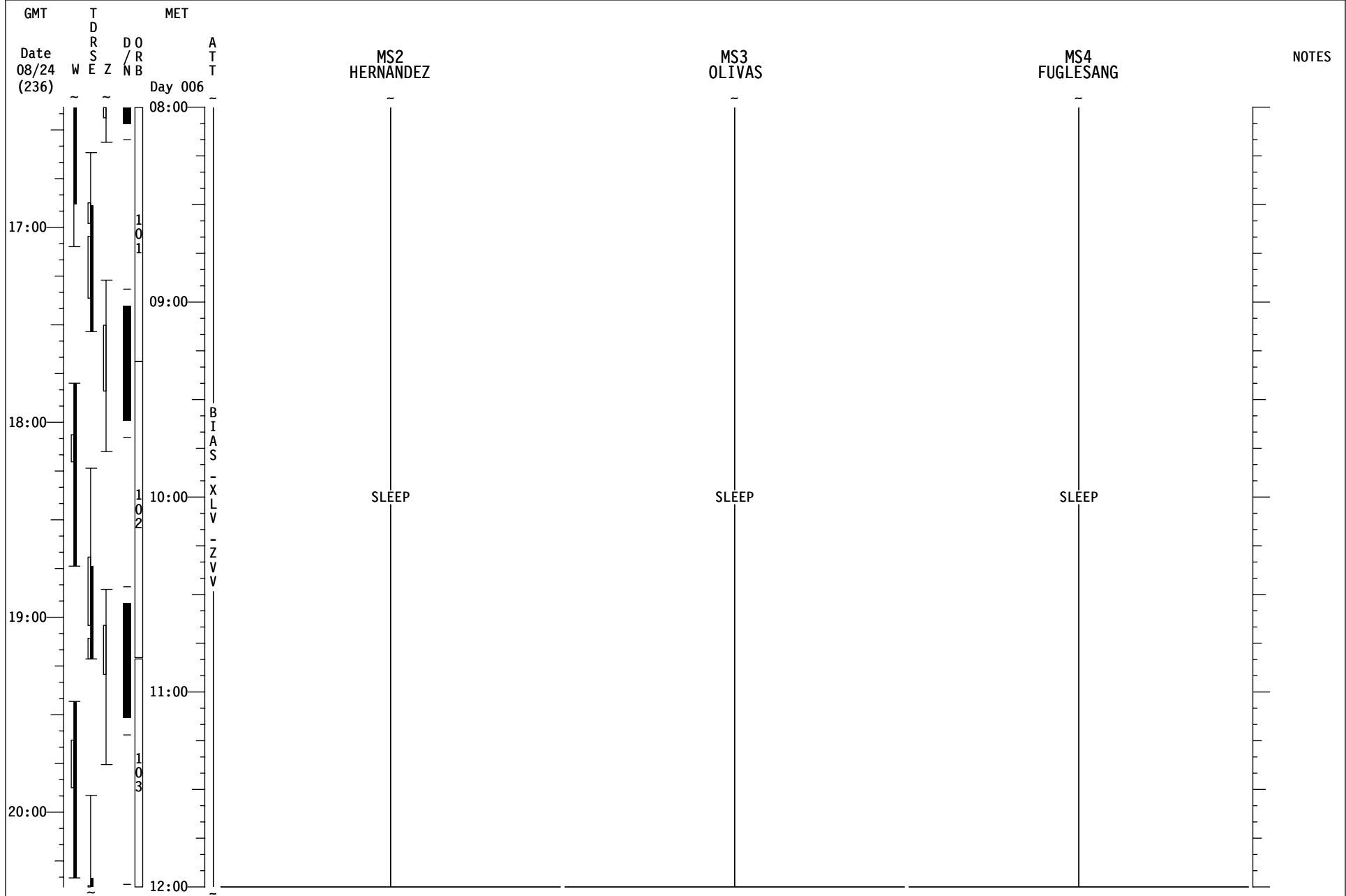
STS-128/17A FD07



STS-128/17A FD07



STS-128/17A FD07



STS-128/17A FD08

GMT	T D R S W E Z	MET	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/24 (236)		Day 006				
21:00		12:00	<p><u>SLEEP LOGBOOK (ORB OPS, SDBI)</u></p> <p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>			<p><u>SLEEP LOGBOOK (ORB OPS, SDBI)</u></p> <p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>
			<p>FD08 EZ ACTIVITIES:</p> <ul style="list-style-type: none"> √OCAC FILTER √MDDK DUCT SCREEN TEPC (STATUS CHECK) (ORB OPS, CREW SYS) HARD REBOOT ALL PGSCs EXCEPT: STS-1(OCA ROUTER), STS-6(WLES) & STS-5(RPOP2) 			
22:00		13:00				
			<p>[A] Ref. STS-128 Consumables Tracking CC (EVA) Ref. STS-128 Battery Recharge Plan (EVA)</p>			
23:00		14:00				<p><u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u></p> <p>L17 Check MCIU filter screen</p> <p><u>EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE TERMINATE, [A]</u></p> <p><u>EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT</u></p> <p>Ref. STS-128 Consumables Tracking CC (EVA)</p>
			<p><u>DAILY TRANSFER LIST UPDATE</u> Ref. Transfer List & MSG XXX</p>			
						<p>OFF DUTY</p>
00:00		15:00				<p>OFF DUTY</p> <p><u>NETMEETING VIDEO CONFERENCING (ORB OPS, OCA)</u> Private Family Conference KU TDRE (15:06-15:37) [B]</p>
			<p><u>WCS COMPACTOR OPS (DUAL-VANE)</u> (ORB OPS, CUE CARD)</p> <p><u>TV (ILLUMINATOR OPS) (PHOTO/TV, CC)</u> ILLUMINATORS OFF - ALL</p>			
			<p>OFF DUTY</p>			<p>OFF DUTY</p>
16:00		16:00				<p>EXERCISE</p>
			<p>[B] Omit steps 1,2,3 Use A/G2 for audio Inform MCC of which PGSC will be used</p>			

STS-128/17A FD08

GMT	TDRS W E Z	MET Day 006	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES	
Date 08/24 (236)	D R S W E Z	DO R N B Day 006	A T T				
21:00	103	12:00	LIQUID SLVA SAMPLE (ORB OPS, SDBI) SLEEP LOGBOOK (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA CREW: TAKE 1 ASPIRIN (325mg) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA CREW: TAKE 1 ASPIRIN (325mg) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
22:00	104	13:00					
23:00	105	14:00		<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <input checked="" type="checkbox"/> Omit steps 1,2,3 Use A/G2 for audio Inform MCC of which PGSC will be used </div>			
00:00	106	15:00	OFF DUTY	OFF DUTY	OFF DUTY		
16:00	106	16:00			NETMEETING VIDEO CONFERENCING (ORB OPS, OCA) Private Family Conference KU TDRW (14:26-14:59) <input checked="" type="checkbox"/> POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		

STS-128/17A FD08

GMT	TDRS W E Z	MET Day 006	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
08/25 (237)		Day 006		OFF DUTY	EXERCISE		
01:00				NETMEETING VIDEO CONFERENCING (ORB OPS, OCA) Private Family Conference KU TDRW (16:15-16:34) [B]	OFF DUTY	EXERCISE	
				OFF DUTY	NETMEETING VIDEO CONFERENCING (ORB OPS, OCA) Private Family Conference KU TDRE (16:39-17:13) [B]		
02:00				OFF DUTY			
				EXERCISE	OFF DUTY	OFF DUTY	
03:00				OFF DUTY	[B] Omit steps 1,2,3 Use A/G2 for audio Inform MCC of which PGSC will be used		
				OFF DUTY			
04:00				MEAL	MEAL	MEAL	
20:00							

STS-128/17A FD08

GMT	TDRS W E Z	MET Day 006	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
01:00				OFF DUTY	OFF DUTY	OFF DUTY	
02:00				EXERCISE	EXERCISE		
03:00				OFF DUTY	OFF DUTY	EXERCISE	
04:00				MEAL	MEAL	MEAL	

GMT	TDRS W E Z	MET Day 007	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
16:00				OFF DUTY	OFF DUTY		
17:00				EXERCISE	EXERCISE		
18:00				NETMEETING VIDEO CONFERENCING (ORB OPS, OCA) Private Family Conference KU TDRW (17:53-18:12) [B]	OFF DUTY	EXERCISE	
19:00				OFF DUTY	OFF DUTY	OFF DUTY	
20:00				MEAL	MEAL	MEAL	

[B] Omit steps 1,2,3
Use A/G2 for audio
Inform MCC of which PGSC will be used

NETMEETING VIDEO CONFERENCING (ORB OPS, OCA)
Private Family Conference
KU TDRZ (18:54-19:09) [B]

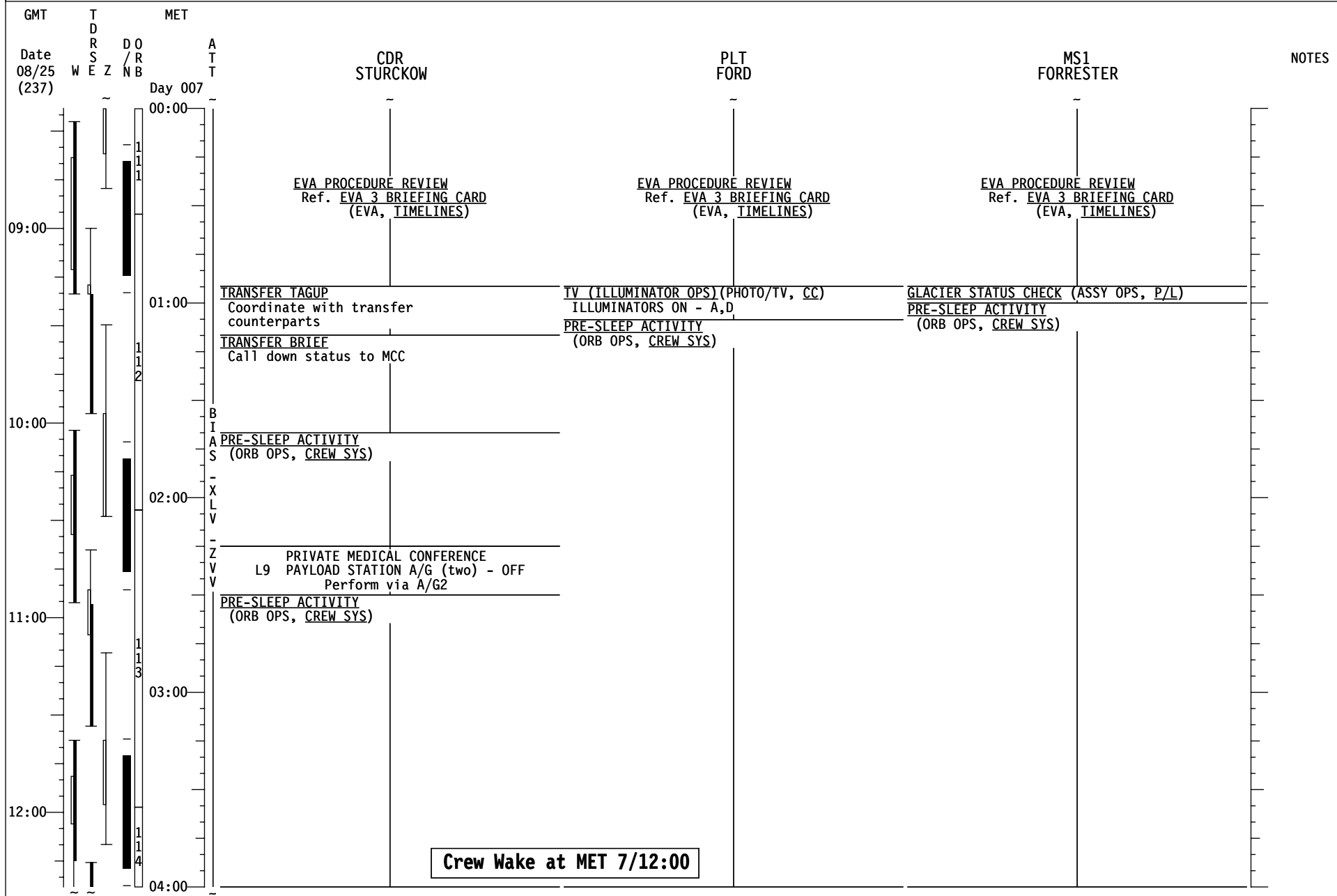
STS-128/17A FD08

GMT	T D R S W E Z	MET Day 006	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
08/25 (237)							
05:00				MEAL	MEAL	MEAL	
				CREW PHOTO	CREW PHOTO	CREW PHOTO	
				CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	
06:00				TRANSFER OPS Ref. MPLM Transfer List	TRANSFER OPS Ref. MPLM Transfer List	TRANSFER OPS Ref. MPLM Transfer List	
				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)			
				TRANSFER OPS Ref. MPLM Transfer List			
07:00						17A EVA 3 TOOL CONFIG (EVA, TIMELINES) Ref. STS-128 Consumables Tracking CC (EVA)	
08:00						TRANSFER OPS Ref. MPLM Transfer List	
00:00				EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	

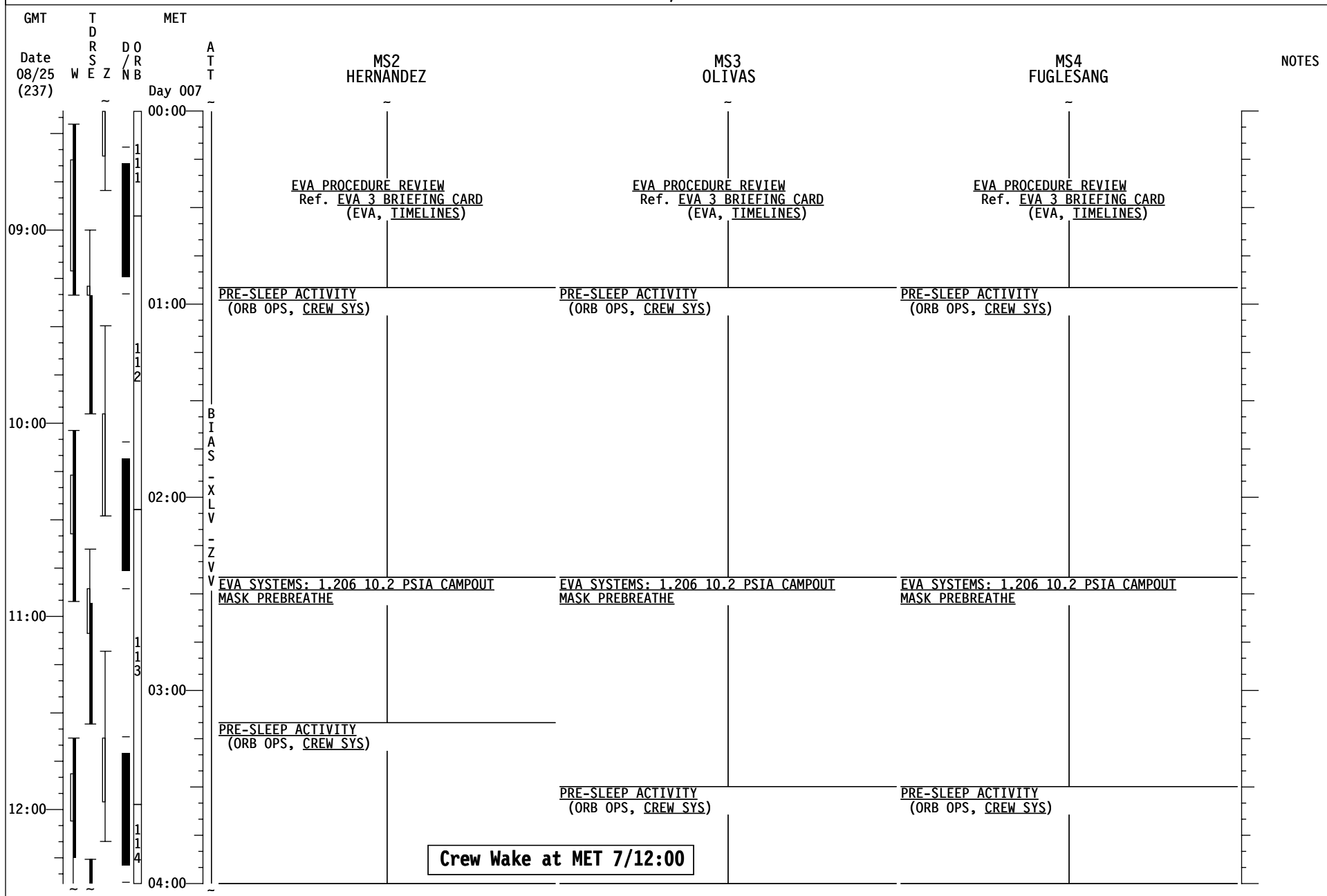
STS-128/17A FD08

GMT	T D R S W E Z	MET D O R / R N B Day 006	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
20:00			MEAL	MEAL	MEAL	
05:00			CREW PHOTO	CREW PHOTO	CREW PHOTO	
21:00			CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	CREW CONFERENCE ISS KU AVAIL (20:54-21:22)	
06:00			TRANSFER OPS Ref. MPLM Transfer List	17A EVA 3 TOOL CONFIG (EVA, TIMELINES) Ref. STS-128 Consumables Tracking CC (EVA)	17A EVA 3 TOOL CONFIG (EVA, TIMELINES) Ref. STS-128 Consumables Tracking CC (EVA)	
22:00						
07:00						
23:00				EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 already complete	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 already complete	
08:00			EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA PROCEDURE REVIEW Ref. EVA 3 BRIEFING CARD (EVA, TIMELINES)	
00:00						

STS-128/17A FD08



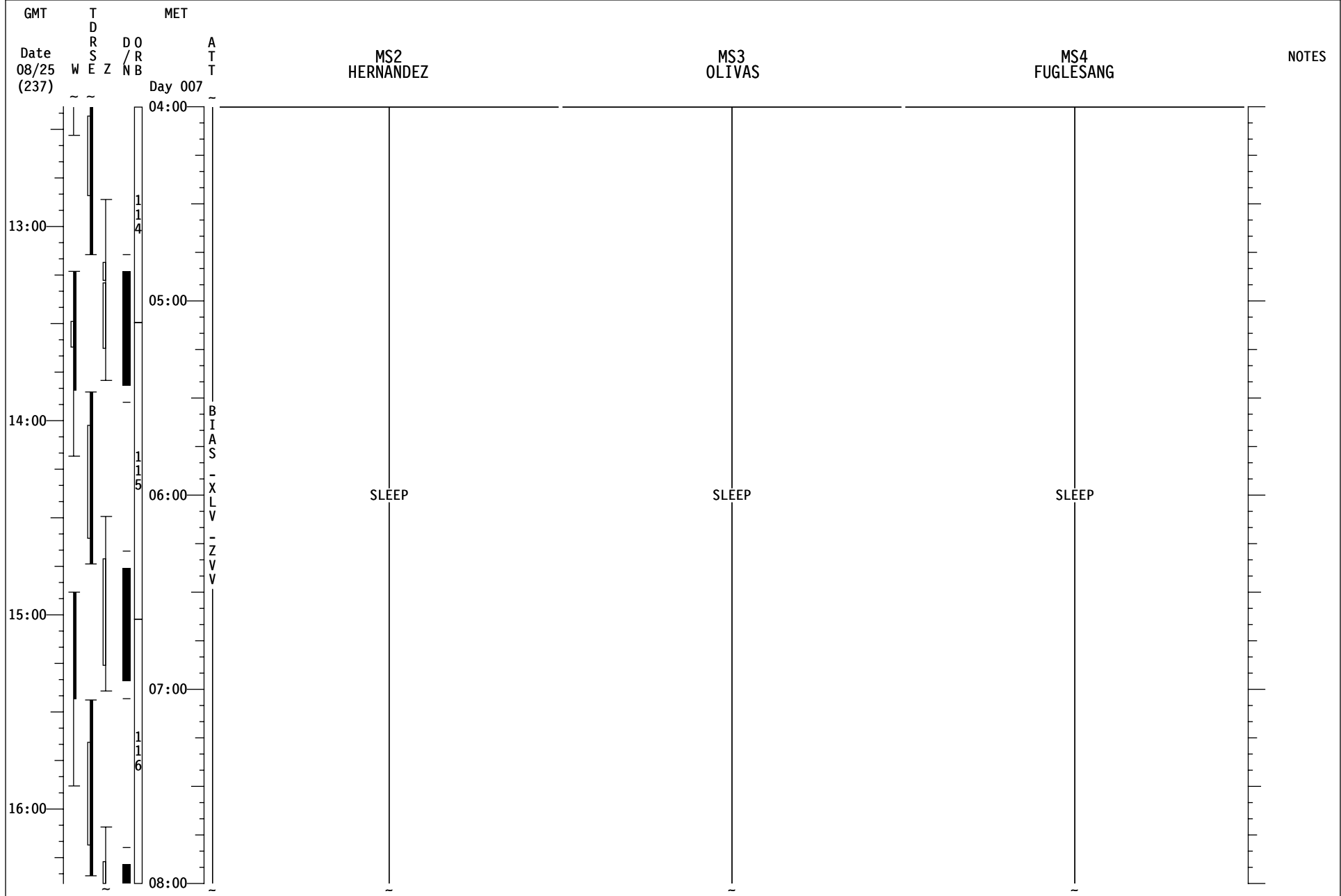
STS-128/17A FD08



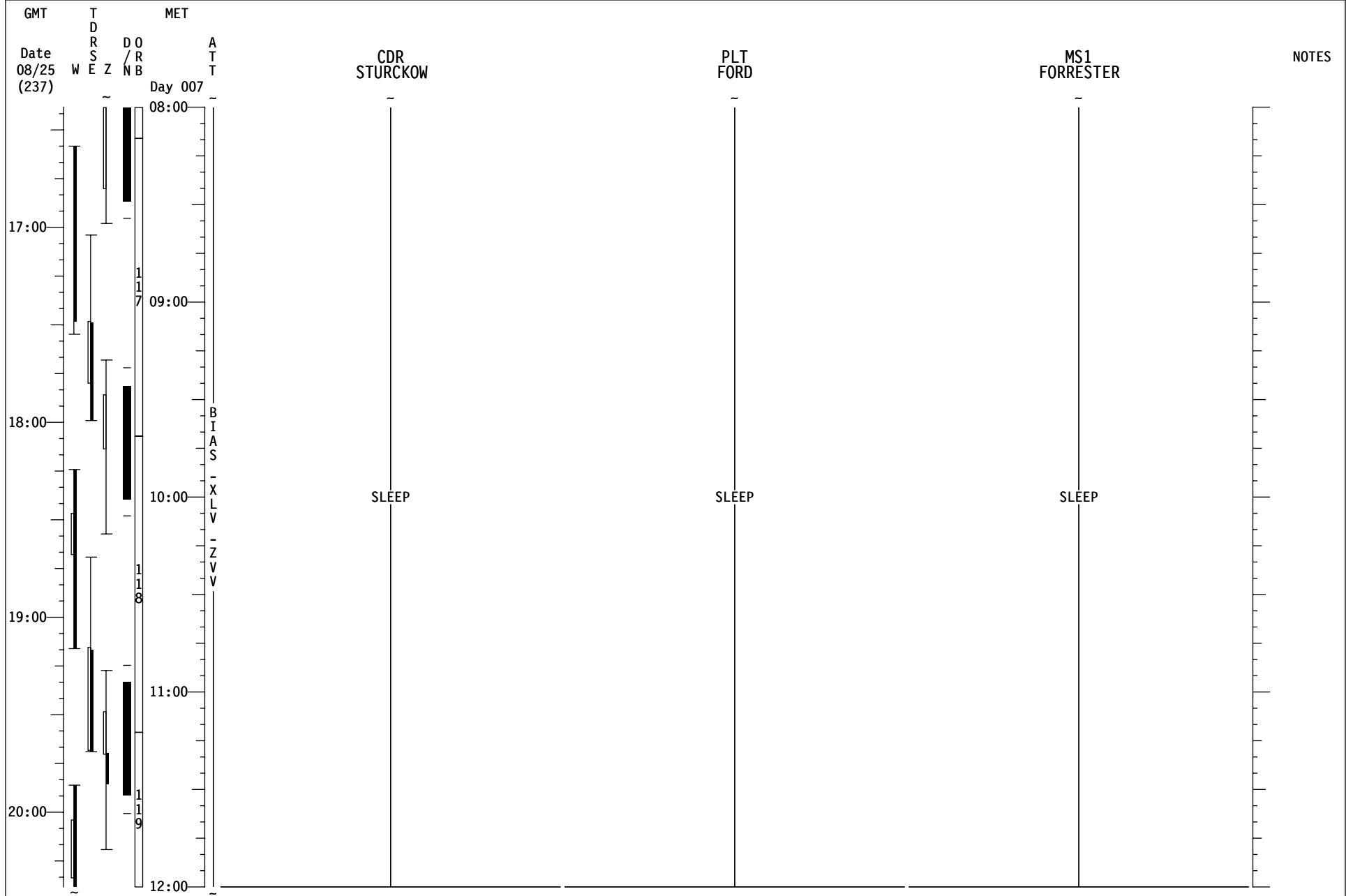
STS-128/17A FD08

GMT	TDRS W E Z	MET D O R / S E Z / N B	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/25 (237)		Day 007					
13:00		114					
14:00		115	B I A S				
15:00			X L V	SLEEP	SLEEP	SLEEP	
16:00		116	Z V V				
08:00							

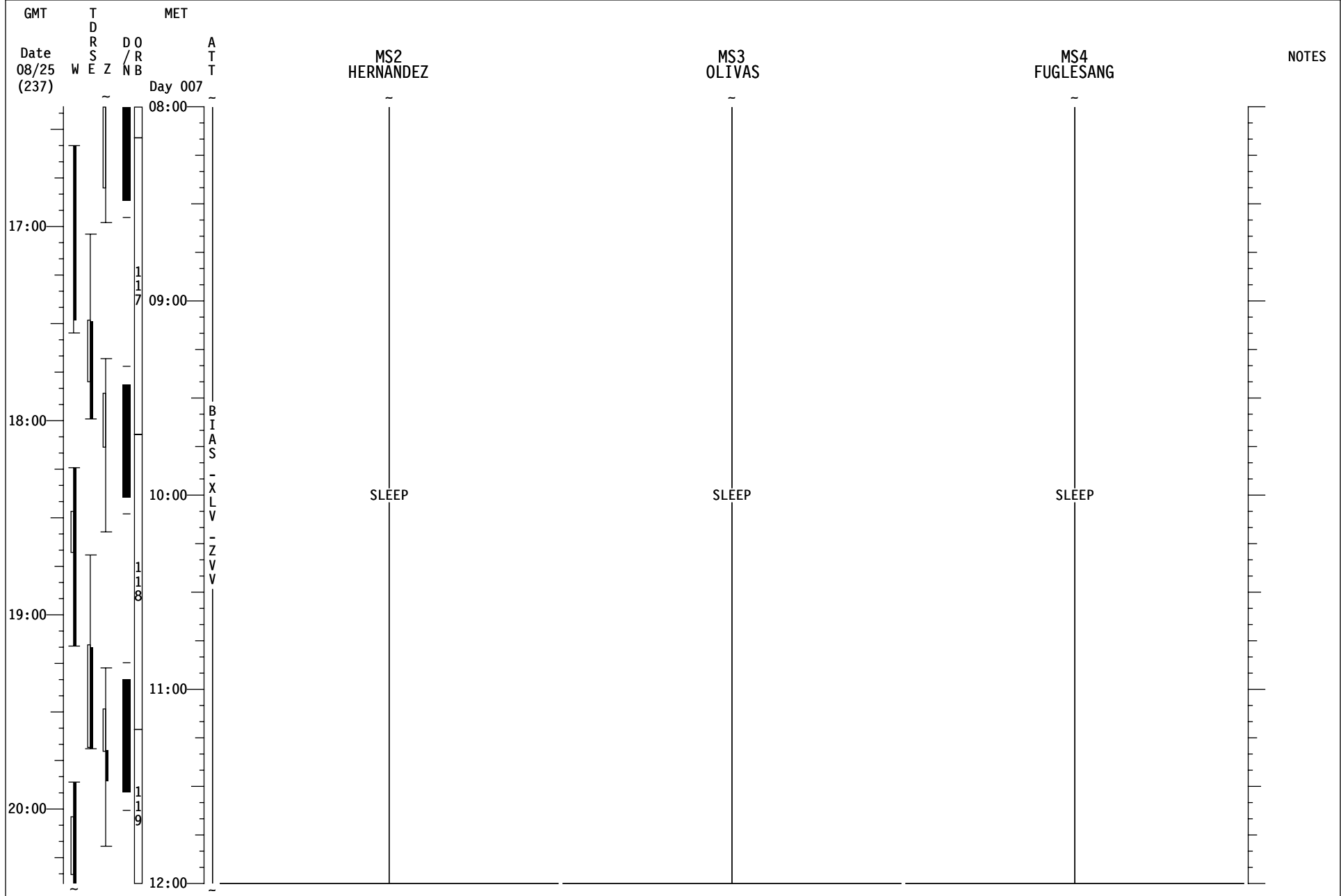
STS-128/17A FD08



STS-128/17A FD08



STS-128/17A FD08



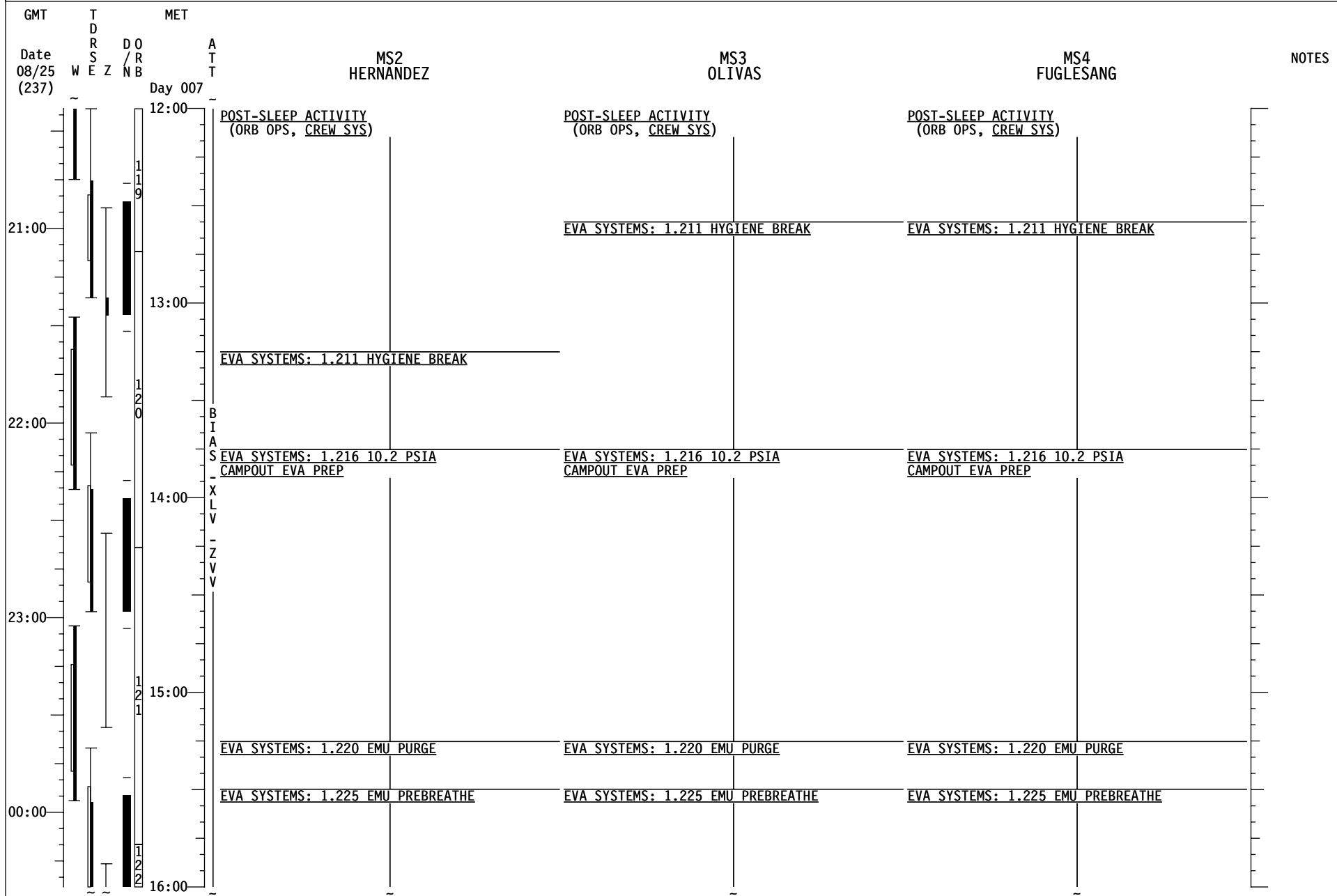
STS-128/17A FD09

GMT	T D R S W E Z	MET D O R / N B Day 007	A T T CDR STURCKOW	P L T F O R D	M S 1 F O R R E S T E R	N O T E S
21:00			<p><u>SLEEP LOGBOOK (ORB OPS, SDBI)</u></p> <p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>	<p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>	<p><u>SLEEP LOGBOOK (ORB OPS, SDBI)</u></p> <p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>	
22:00			<p>PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2</p> <p><u>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u></p>			
23:00				<p><u>TV (ILLUMINATOR OPS) (PHOTO/TV, CC)</u> ILLUMINATORS OFF - ALL</p>		
00:00			<p>EXERCISE</p> <p><u>IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)</u> <u>SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #3</u> Ref. MSG XXX</p>	<p>EXERCISE</p> <p><u>P/TV07 EVA (PHOTO/TV, SCENES) Setup</u></p>	<p><u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u> L17 Check MCIU filter screen</p>	
16:00					<p>IVA SUPPORT PREP</p>	

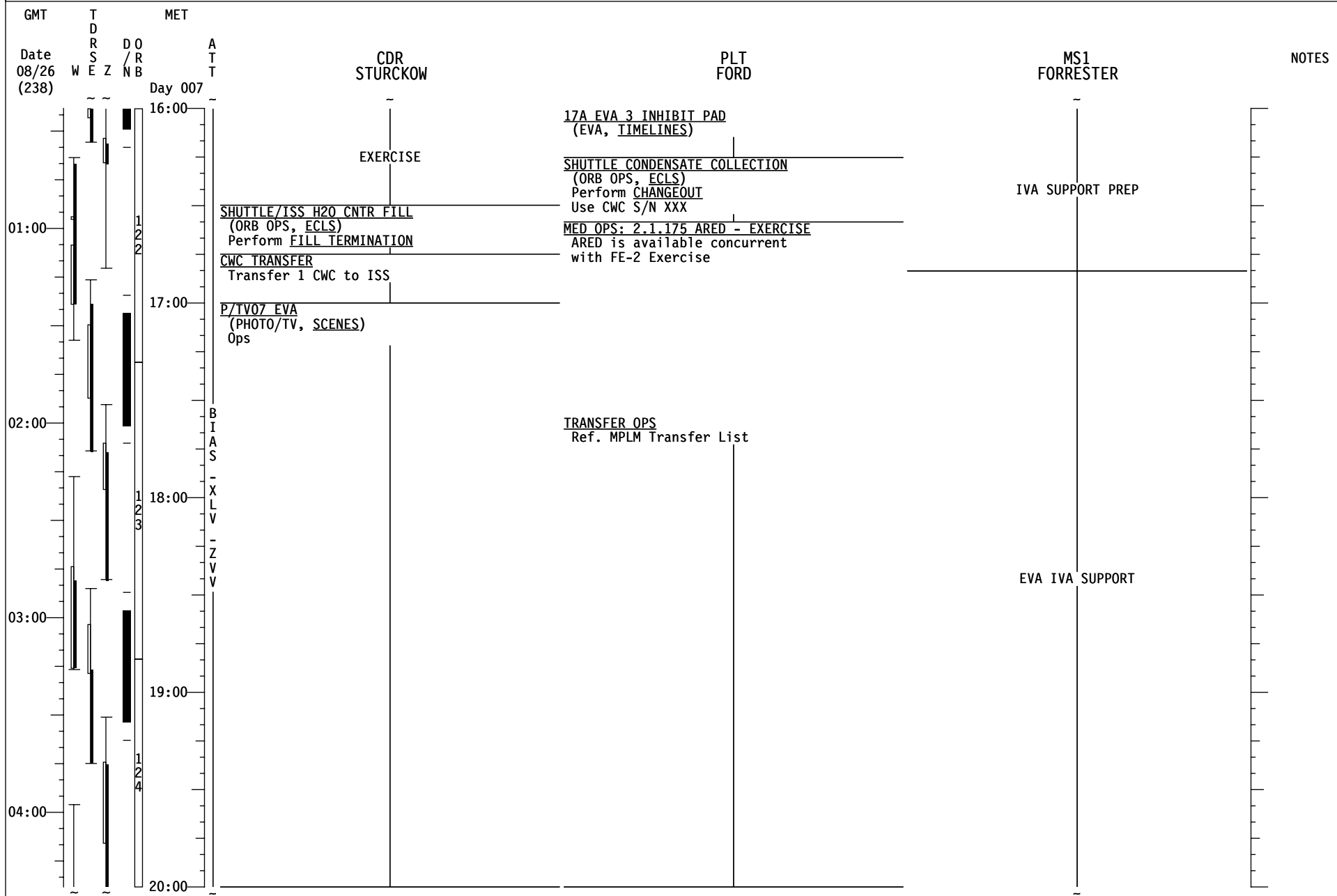
FD09 EZ ACTIVITIES:

- √OCAC FILTER
- √MDDK DUCT SCREEN
- TEPC (STATUS CHECK)
(ORB OPS, CREW SYS)
- HARD REBOOT ALL PGSCs EXCEPT:
STS-1(OCA ROUTER), STS-6(WLES)
& STS-5(RPOP2)

STS-128/17A FD09



STS-128/17A FD09



STS-128/17A FD09

GMT	T D R S W E Z	MET D O R / N B Day 007	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
16:00				EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	
01:00				EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	
				EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	
17:00				DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG XXX	EVA SYSTEMS: CREWLOCK EGRESS (CC)	EVA SYSTEMS: CREWLOCK EGRESS (CC)	
				TRANSFER OPS Ref. MPLM Transfer List	SETUP	SETUP	
02:00							
18:00					NOD3 AVIONICS CABLE ROUTING	NOD3 AVIONICS CABLE ROUTING	
03:00							
19:00							
04:00				EXERCISE	RGA 2 REMOVE AND REPLACE	RGA 2 REMOVE AND REPLACE	
20:00							

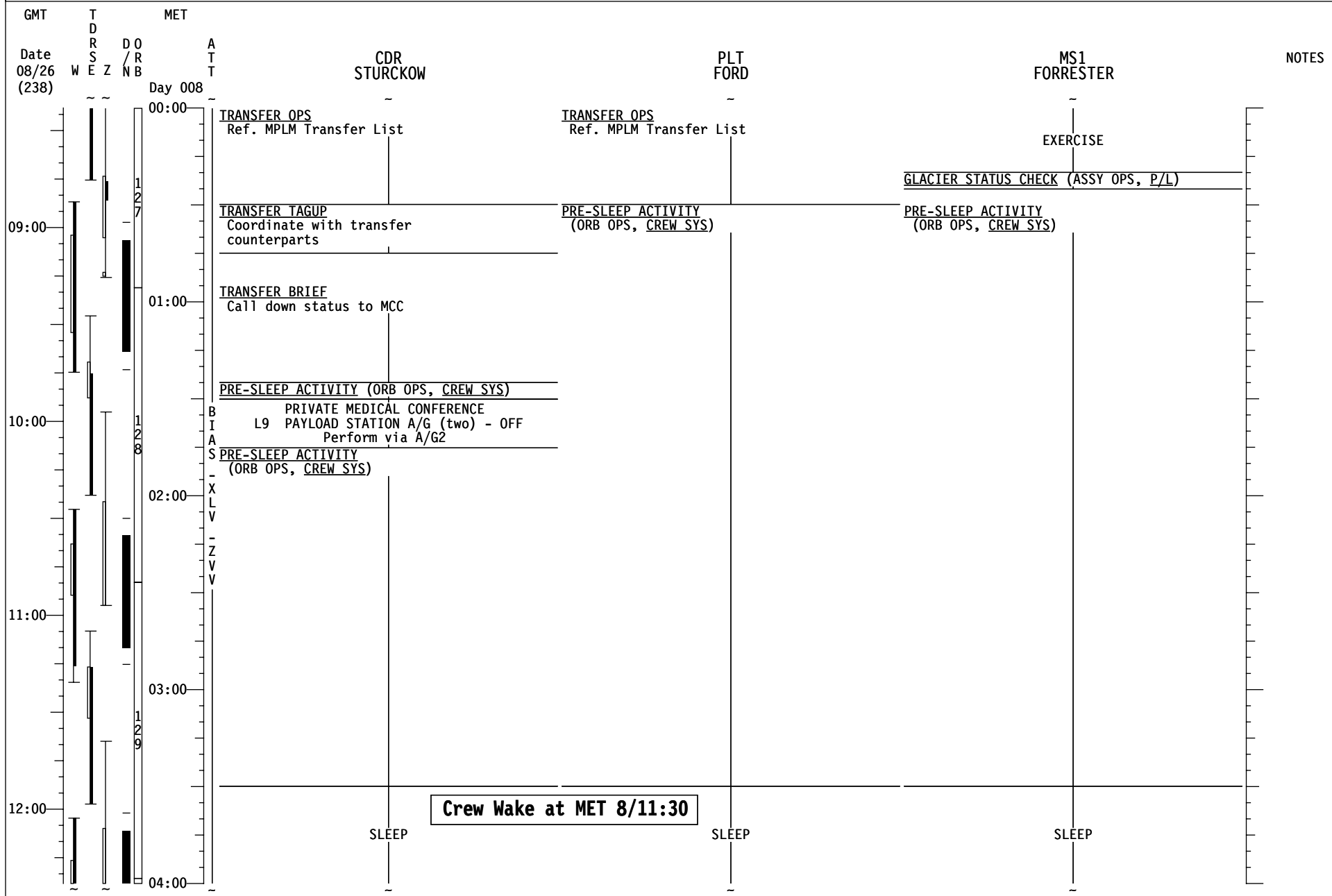
STS-128/17A FD09

GMT	T D R S W E Z	MET D O R N B Day 007	A T T CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
20:00						
05:00			MEAL	MEAL		
21:00			<u>CWC-I FILL (ORB OPS, CWC-I FILL) Ref. MSG XXX</u> <u>TRANSFER OPS</u> Fill Init #10 Ref. MPLM Transfer List			
06:00			<u>CWC-I TERM</u> <u>CWC-I INIT</u> (ORB OPS, <u>CWC-I FILL</u>) Ref. MSG XXX Fill Init #11		EVA IVA SUPPORT	
22:00			<u>CWC-I TERM (ORB OPS, CWC-I FILL)</u> Fill Init #12			
07:00			<u>CWC-I TRANSFER</u> Transfer 3 CWC-Is to ISS			
23:00			<u>TRANSFER OPS</u> Ref. MPLM Transfer List			
08:00					EXERCISE	
00:00						

STS-128/17A FD09

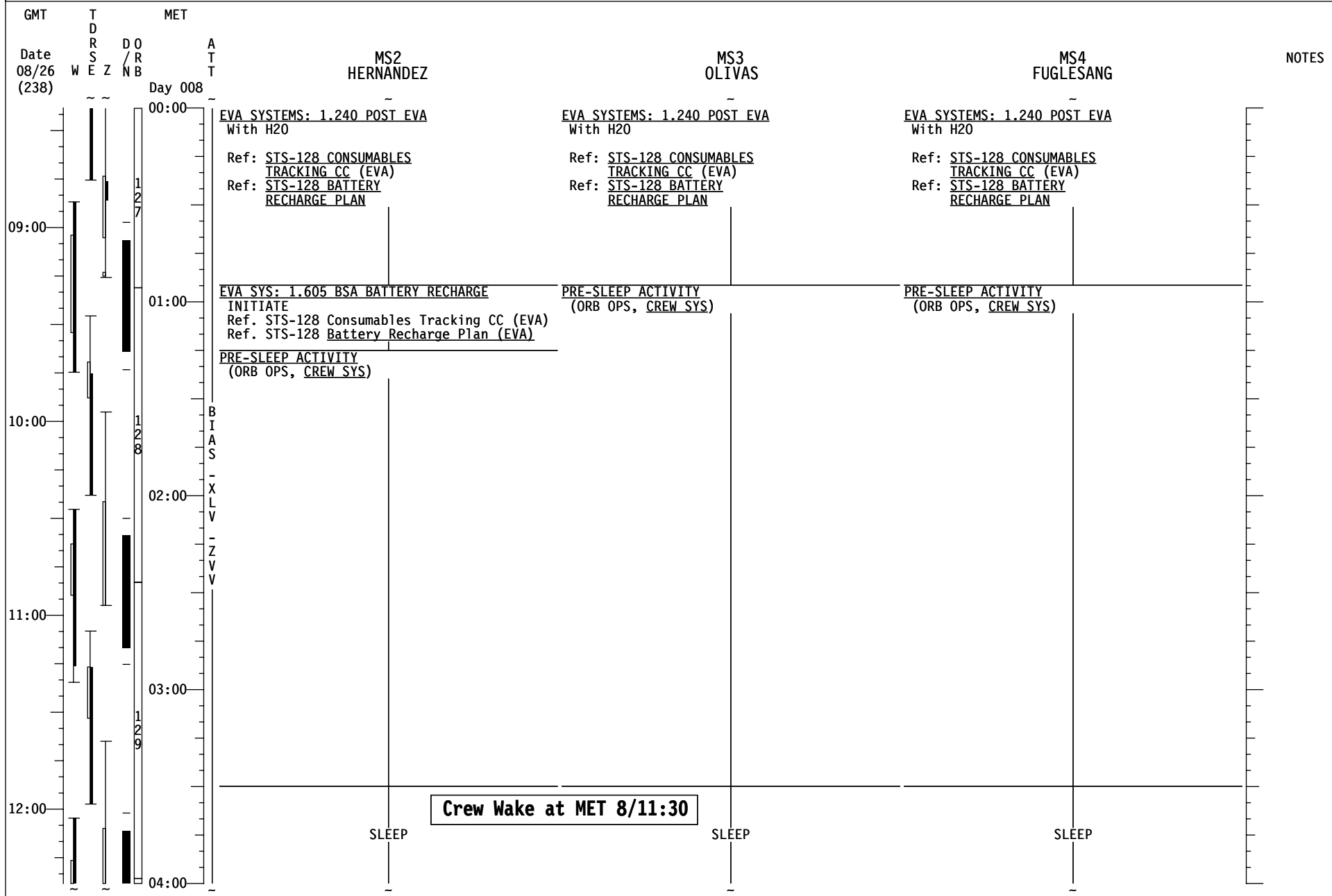
GMT	T D R S W E Z	MET D O R / N B Day 007	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
20:00					RGA 2 REMOVE AND REPLACE	RGA 2 REMOVE AND REPLACE	
05:00				MEAL	PMA3 HEATER CABLE CONNECT	SO RPCM R&R	
21:00				<u>TRANSFER OPS</u> Ref. MPLM Transfer List	NODE-FGB LAN CABLE ROUTING	GPS ANTENNA #4 AND #2 INSTALLATION	
06:00			B I A S		NODE 1 SLIDEWIRE REMOVAL		
22:00			X L V			CLA	
07:00			Z V V		GET AHEAD	GET AHEAD	
23:00					CLEANUP	CLEANUP	
08:00				<u>EVA SYSTEMS: PRE REPRESS (CC)</u> <u>EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)</u>	<u>EVA SYSTEMS: PRE REPRESS (CC)</u> <u>EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)</u>	<u>EVA SYSTEMS: PRE REPRESS (CC)</u> <u>EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)</u>	
				<u>EVA SYSTEMS: 1.240 POST EVA With H2O</u> Ref: <u>STS-128 CONSUMABLES TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY RECHARGE PLAN</u>	<u>EVA SYSTEMS: 1.240 POST EVA With H2O</u> Ref: <u>STS-128 CONSUMABLES TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY RECHARGE PLAN</u>	<u>EVA SYSTEMS: 1.240 POST EVA With H2O</u> Ref: <u>STS-128 CONSUMABLES TRACKING CC (EVA)</u> Ref: <u>STS-128 BATTERY RECHARGE PLAN</u>	
00:00							

STS-128/17A FD09



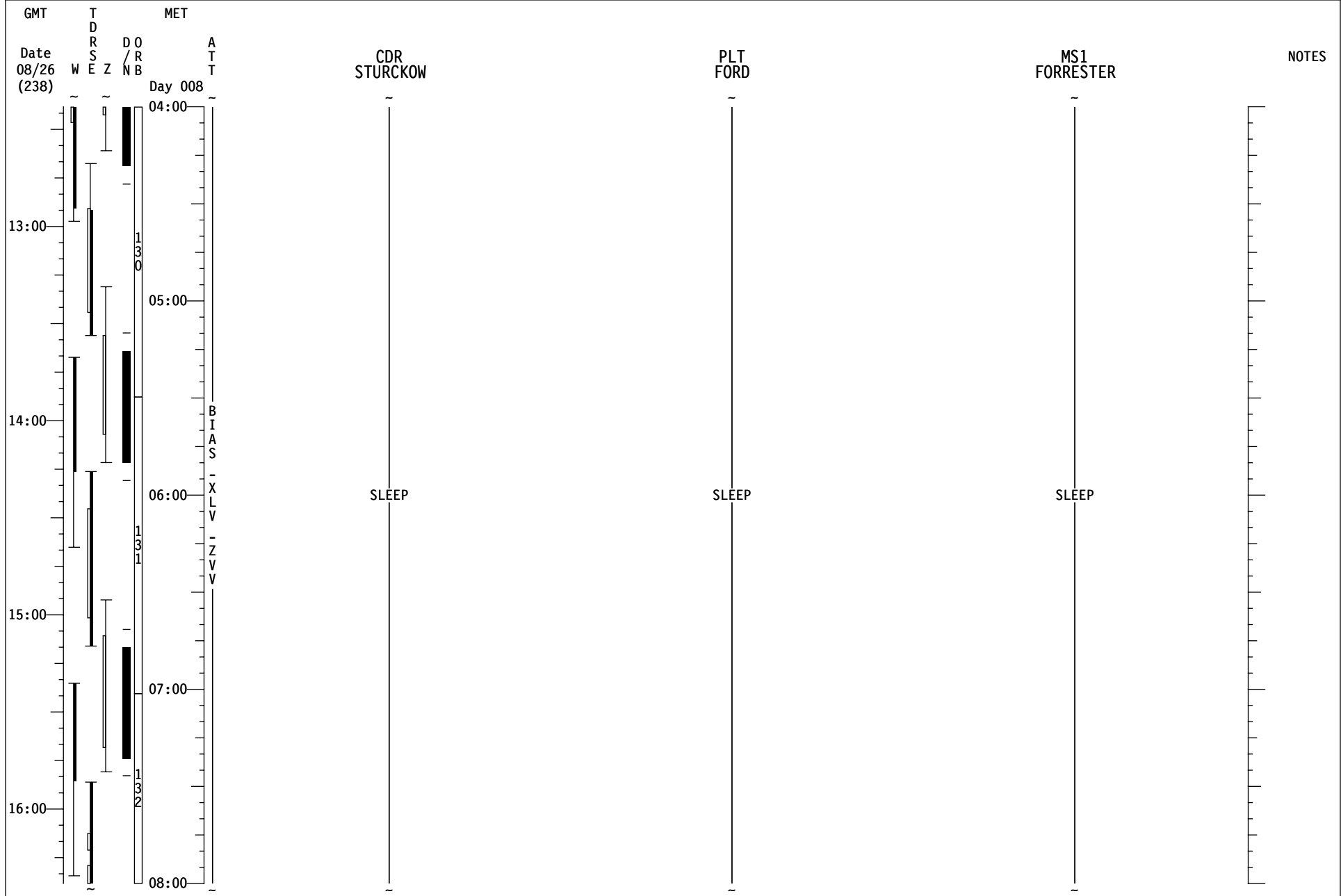
Crew Wake at MET 8/11:30

STS-128/17A FD09

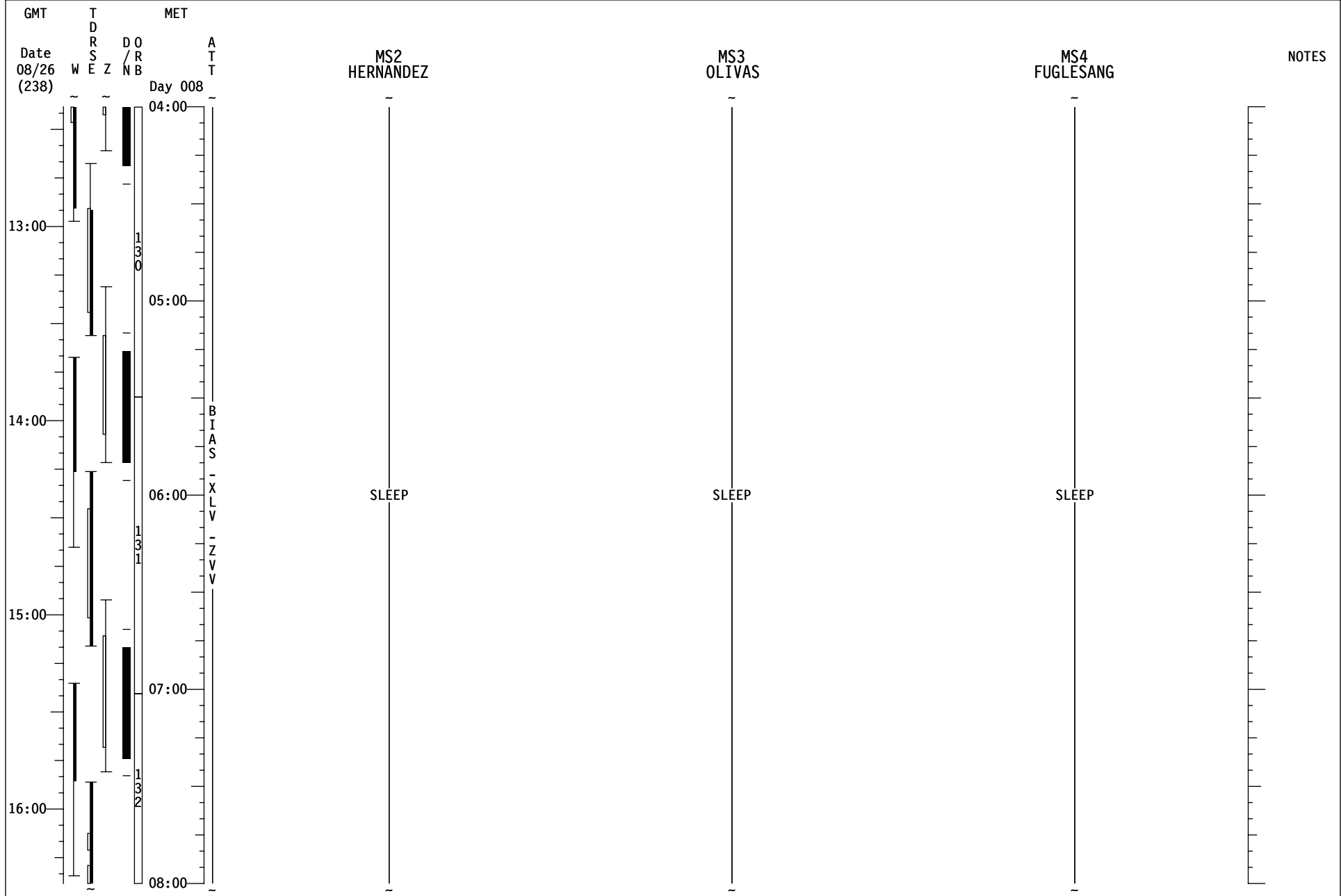


Crew Wake at MET 8/11:30

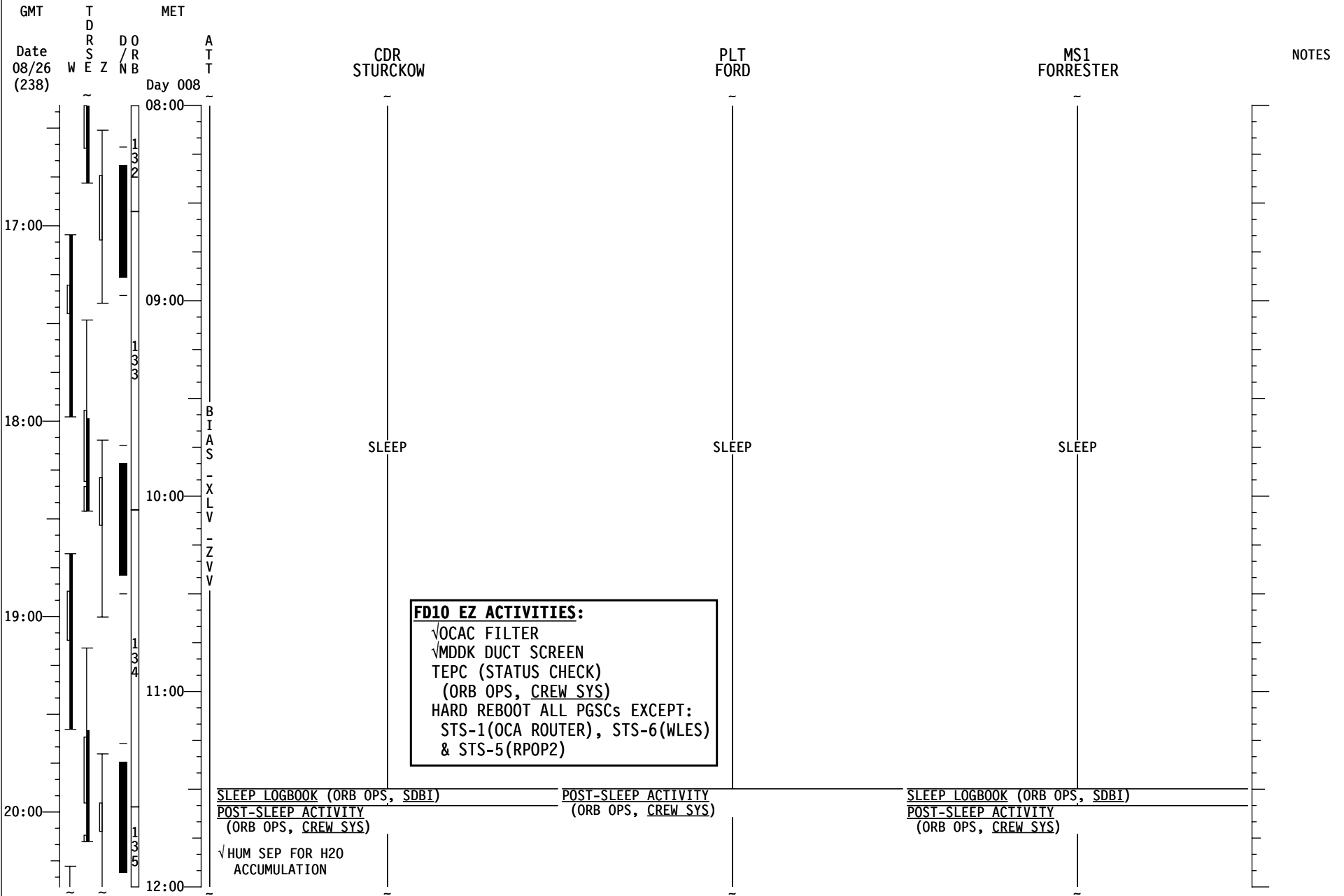
STS-128/17A FD09



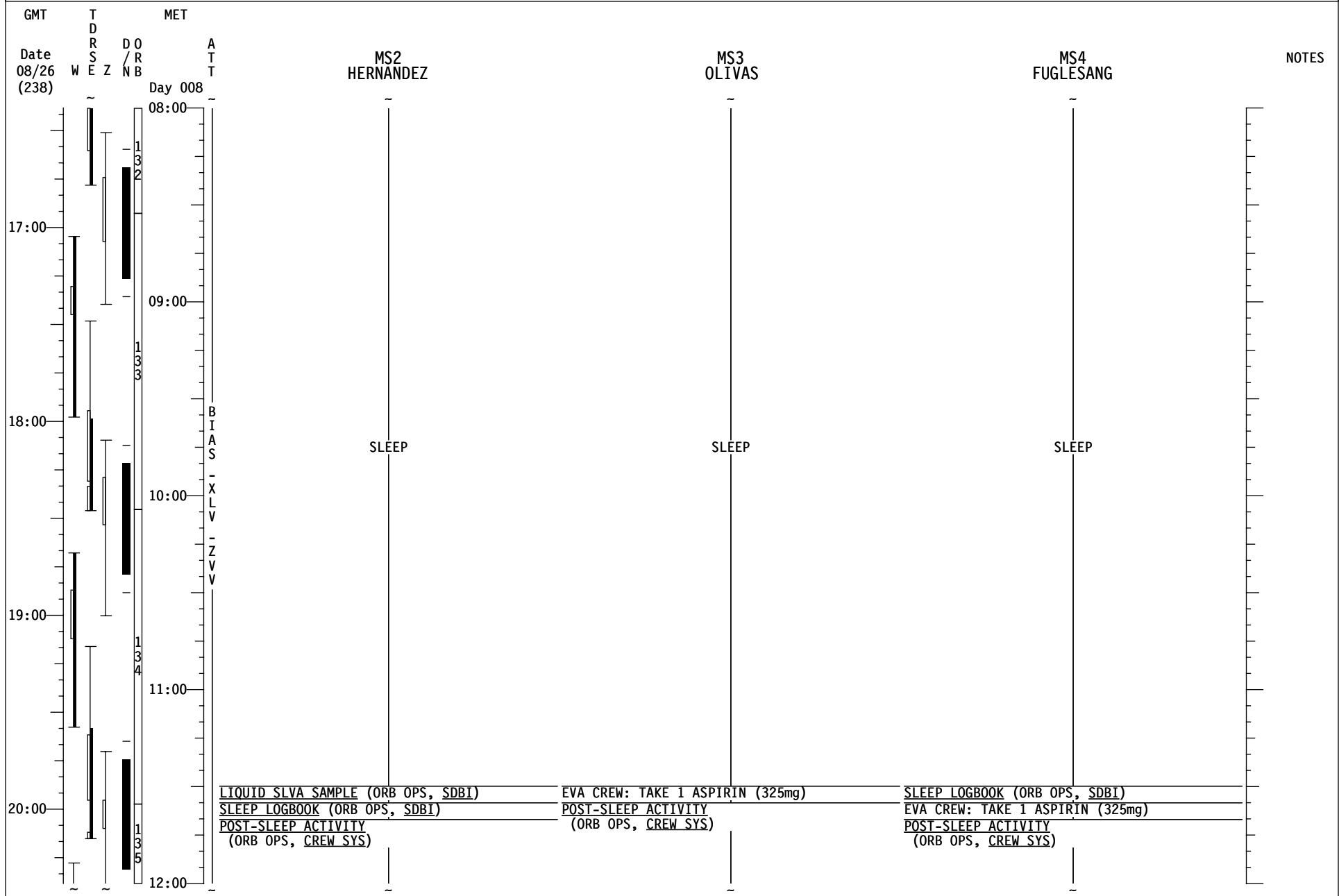
STS-128/17A FD09



STS-128/17A FD10



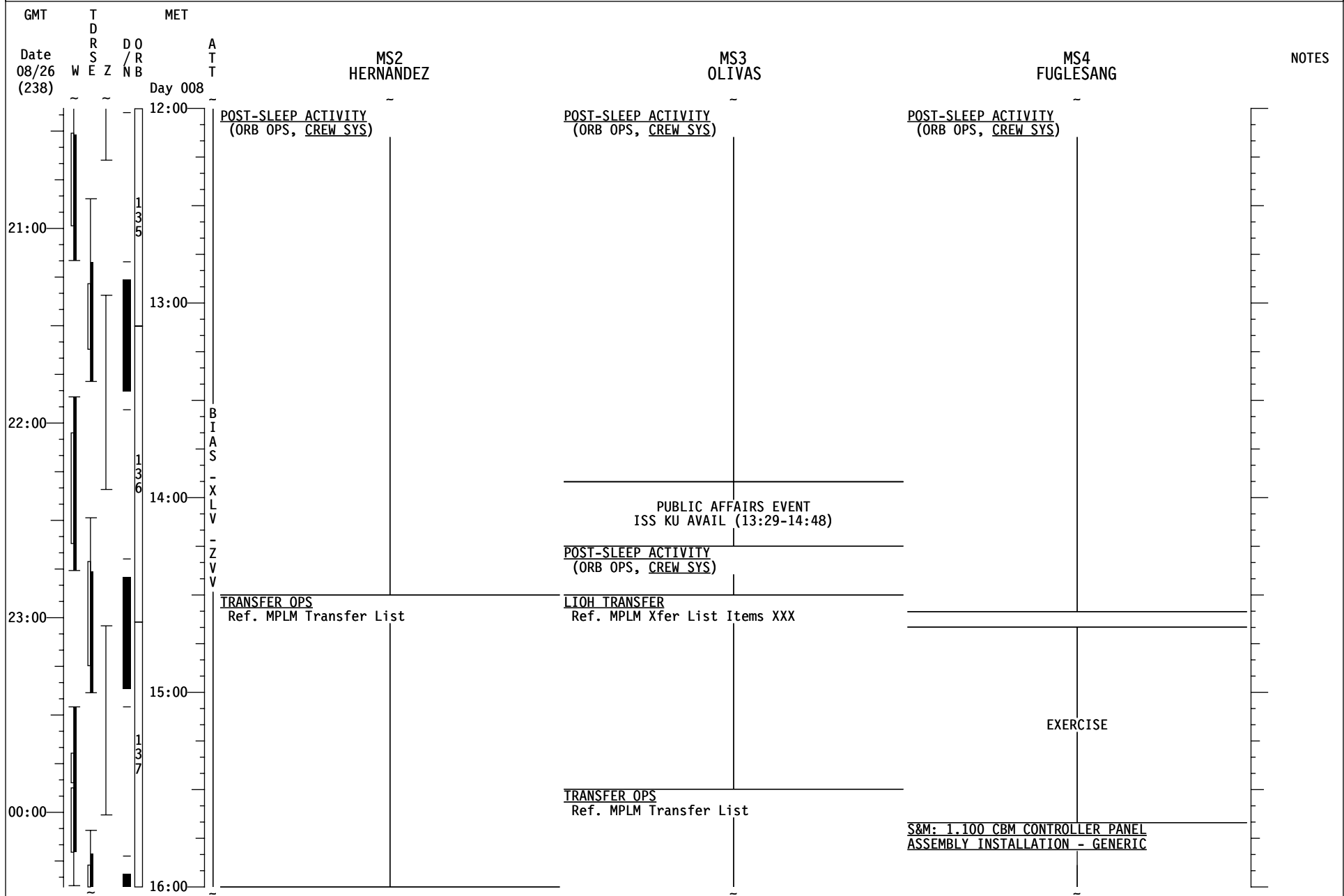
STS-128/17A FD10



STS-128/17A FD10

GMT	TDRSZ	MET	DOORB	ATT	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/26 (238)	W E Z	Day 008	N B					
12:00					POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
21:00								
22:00				B I A S				
14:00					X DAILY TRANSFER LIST UPDATE L Ref. Transfer List & MSG XXX	CWC-I FILL (ORB OPS, CWC-I FILL) Ref. MSG XXX Fill Init #13		
						CWC-I TERM (ORB OPS, CWC-I FILL)	PUBLIC AFFAIRS EVENT ISS KU AVAIL (13:29-14:48)	
23:00				Z V V		CWC-I TRANSFER Transfer 1 CWC-I to ISS	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
					EXERCISE	TRANSFER OPS Ref. MPLM Transfer List	GLACIER STATUS CHECK (ASSY OPS, P/L) TRANSFER OPS Ref. MPLM Transfer List	
15:00								
00:00					IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) PCS 1(2) CONFIG (ORB OPS, ECLS) Config SYS 2 S&M: 1.100 CBM CONTROLLER PANEL ASSEMBLY INSTALLATION - GENERIC		GLACIER/MELFI SAMPLE XFER REVIEW Ref. MSG XXX	
16:00						EXERCISE	TRANSFER OPS Ref. MPLM Transfer List	

STS-128/17A FD10



STS-128/17A FD10

GMT	TDRS W E Z	MET DO R N B	ATT Day 008	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
16:00				<u>S&M: 1.100 CBM CONTROLLER PANEL ASSEMBLY INSTALLATION - GENERIC</u>		<u>TRANSFER OPS</u> Ref. MPLM Transfer List	
					EXERCISE		
01:00					<u>TRANSFER OPS</u> Ref. MPLM Transfer List		
						EXERCISE	
17:00							
					<u>P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES)</u> Setup Step 2	<u>TRANSFER OPS</u> Ref. MPLM Transfer List	
02:00							
						<u>SAMPLE TRANSFER GLACIER TO MELFI</u> Ref. MSG XXX Steps X-X	
18:00					<u>P/TV08 EXTERNAL SURVEY (P/TV FS, SCENES)</u> Ops Item 2		
				MEAL		<u>GLACIER CONFIG FOR DESCENT (ASSY OPS, P/L)</u>	
03:00					<u>FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)</u>		
						MEAL	
19:00				<u>JOINT OPS: 3.123 02 TRANSFER SETUP (POST PREBREATHE USING SHUTTLE 02)</u>			
04:00					MEAL	<u>GLACIER STATUS CHECK (ASSY OPS, P/L)</u>	
20:00							

STS-128/17A FD10

GMT	T D R S E Z	MET	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
Date 08/27 (239)	W E Z	Day 008					
16:00					<u>TRANSFER OPS</u> Ref. MPLM Transfer List	<u>S&M: 1.100 CBM CONTROLLER PANEL ASSEMBLY INSTALLATION - GENERIC</u>	
01:00				EXERCISE			
17:00					<u>TRANSFER OPS</u> Ref. MPLM Transfer List		
02:00					EXERCISE		
18:00					<u>TRANSFER OPS</u> Ref. MPLM Transfer List		
03:00						<u>P/TV09 (GLACIER) PHOTO (P/TV, SCENES) ITEM 1</u>	
19:00						MEAL	
04:00				MEAL	MEAL		
20:00						<u>SPINAL ELONGATION OPERATOR PROCEDURE (ASSY OPS, P/L)</u>	

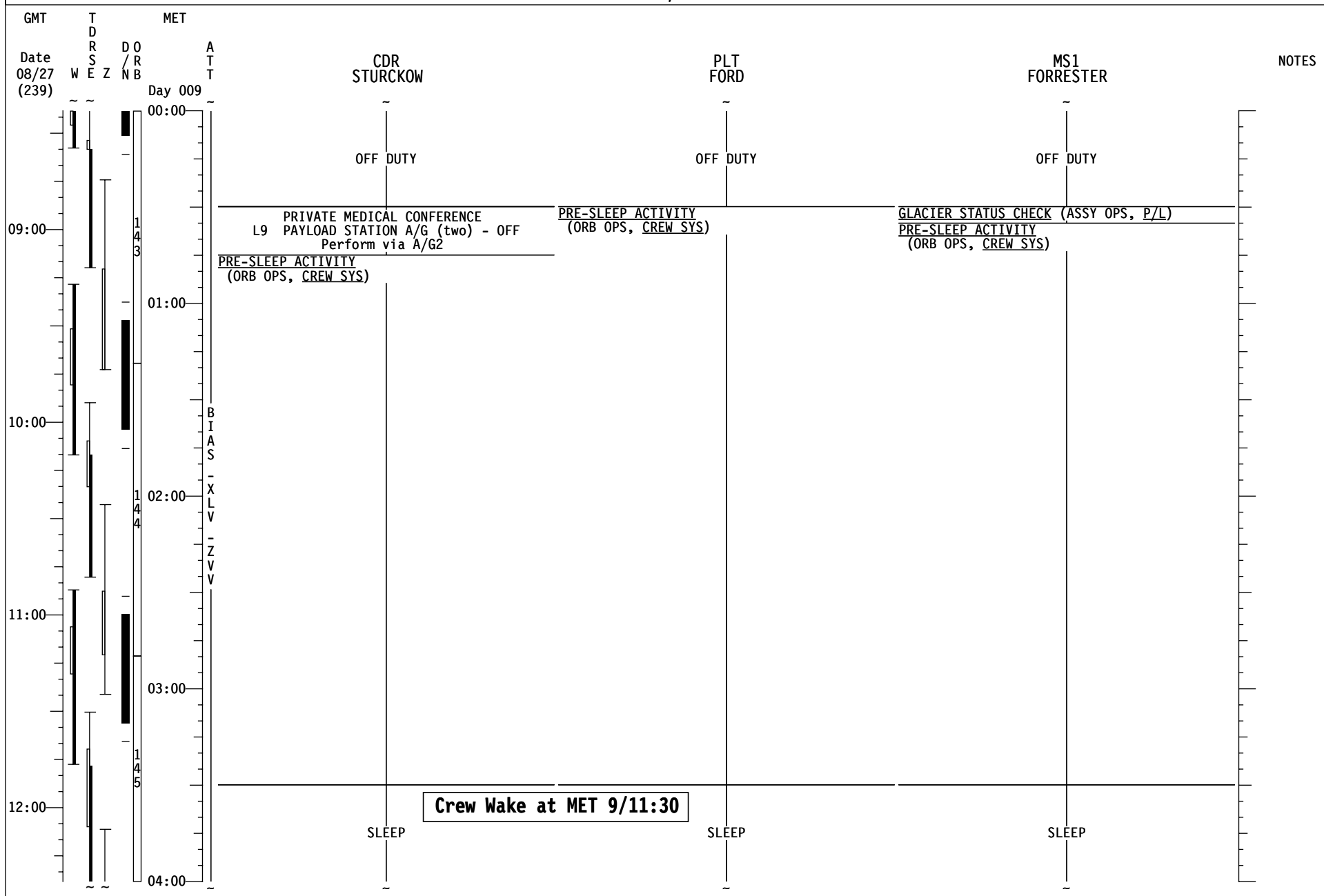
STS-128/17A FD10

GMT	TDRS W E Z	MET D O R / N B	A T T Day 008	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/27 (239)							
05:00					MEAL		
06:00							
07:00				OFF DUTY	OFF DUTY	OFF DUTY	
08:00							
20:00				<u>JOINT OPS: 3.123 O2 TRANSFER SETUP (POST PREBREATHE USING SHUTTLE O2)</u> <u>JOINT OPS: 3.116 HIGH PRESSURE TANK O2 TRANSFER Step 2</u> <u>SPINAL ELONGATION OPERATOR PROCEDURE (ASSY OPS, P/L)</u>		<u>SPINAL ELONGATION OPERATOR PROCEDURE (ASSY OPS, P/L)</u>	
21:00							
22:00							
23:00							
00:00							

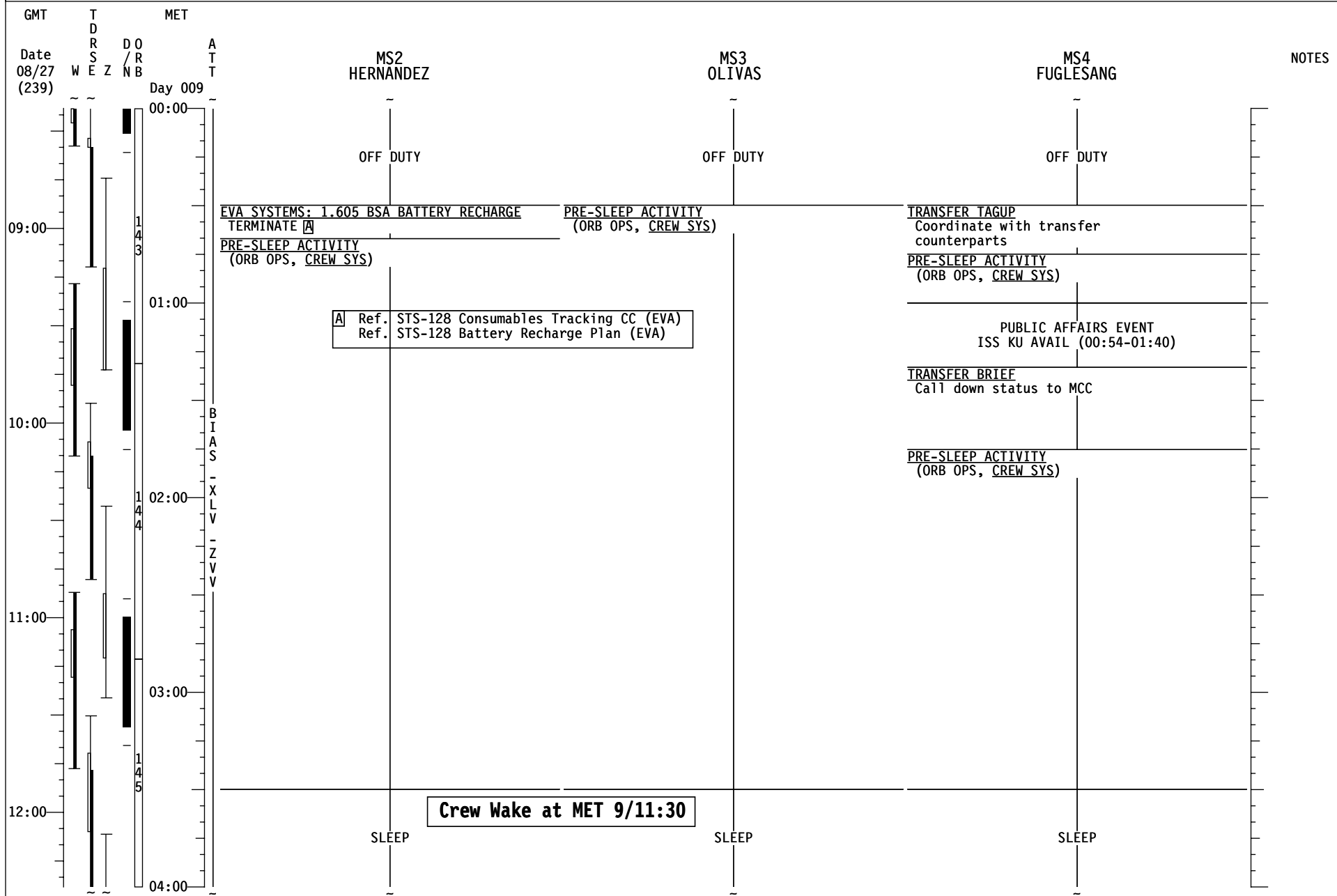
STS-128/17A FD10

GMT	TDRS W E Z	MET D O R / N B	ATT	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
Date 08/27 (239)		Day 008					
20:00				MEAL	MEAL <u>EVA SYSTEMS: 1.430 SAFER CHECKOUT</u>	<u>HAM RADIO SETUP</u> <u>HAM RADIO PASS Ref MSG XXX</u> Rise Time AOS: XX:XX	
05:00							
21:00							
06:00							
22:00							
07:00				OFF DUTY	OFF DUTY	OFF DUTY	
23:00							
08:00							
00:00							

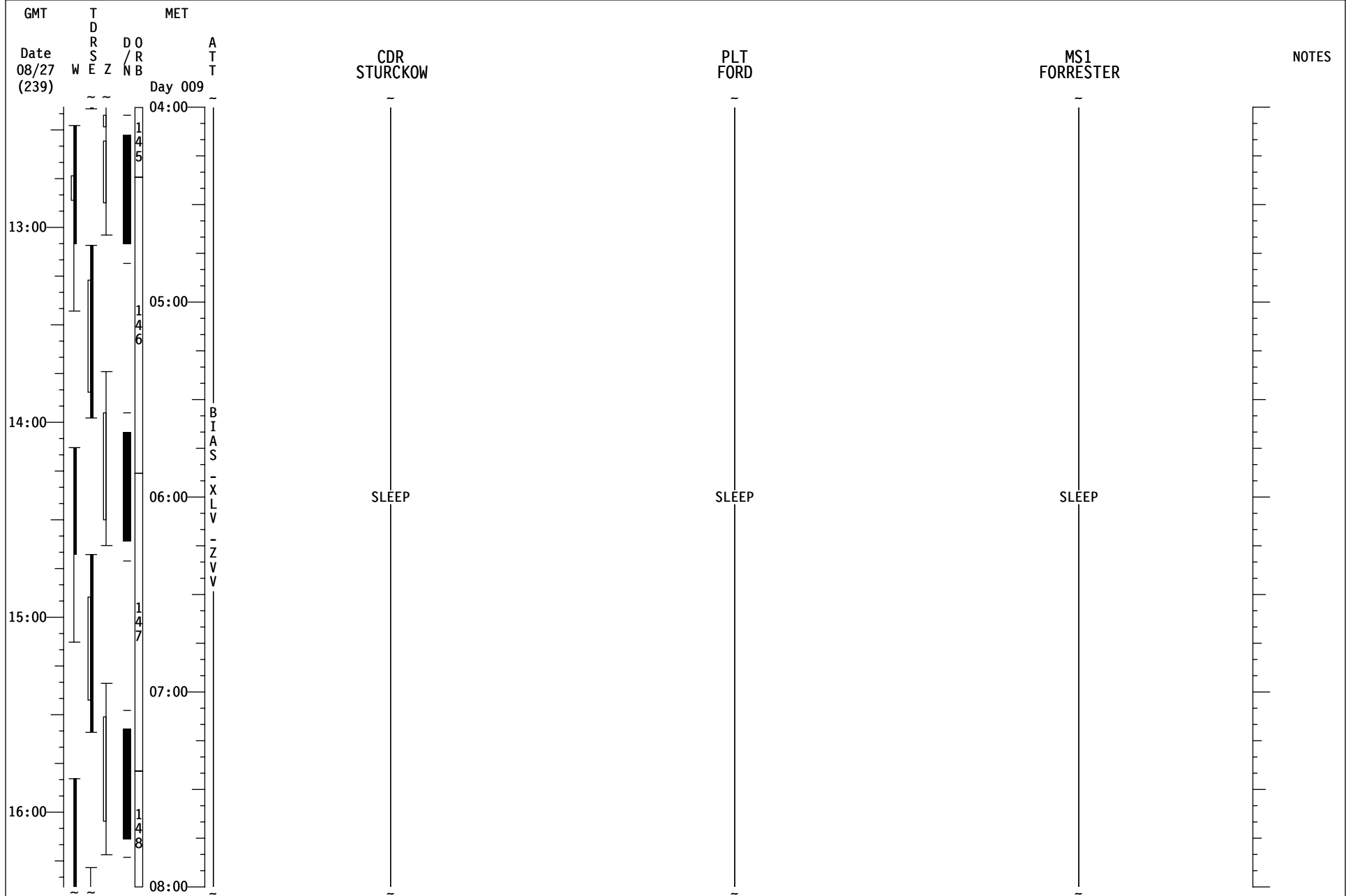
STS-128/17A FD10



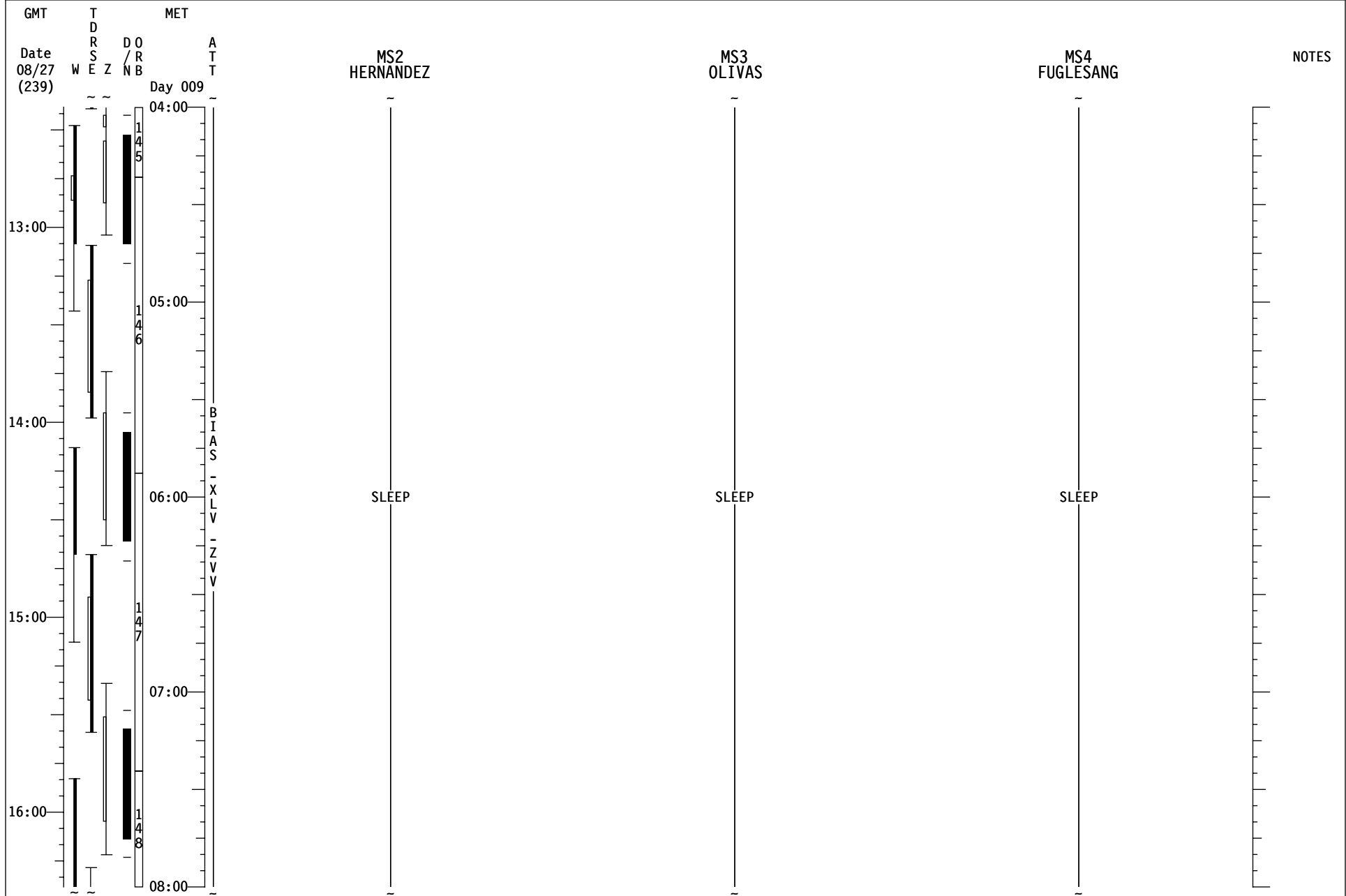
STS-128/17A FD10



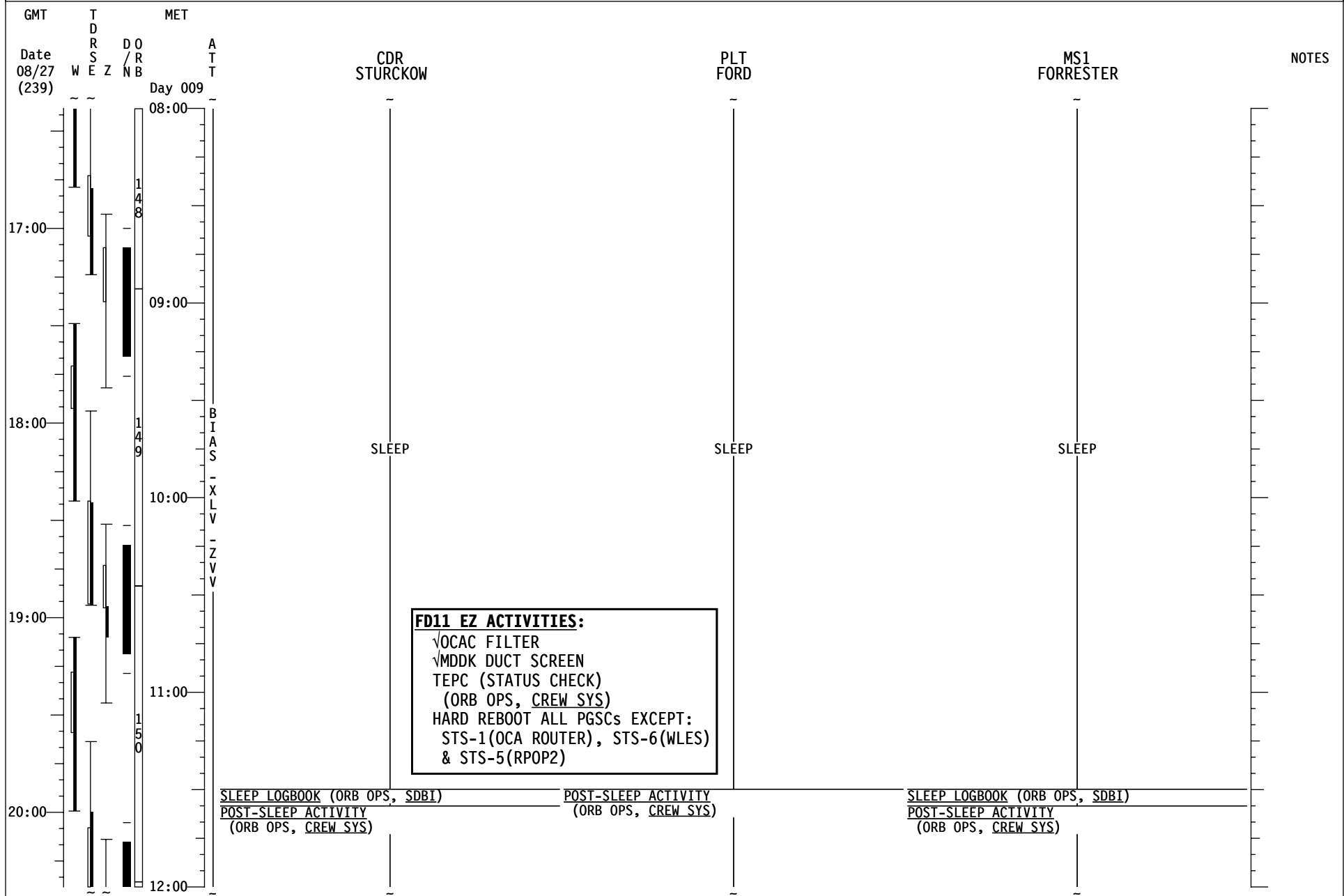
STS-128/17A FD10



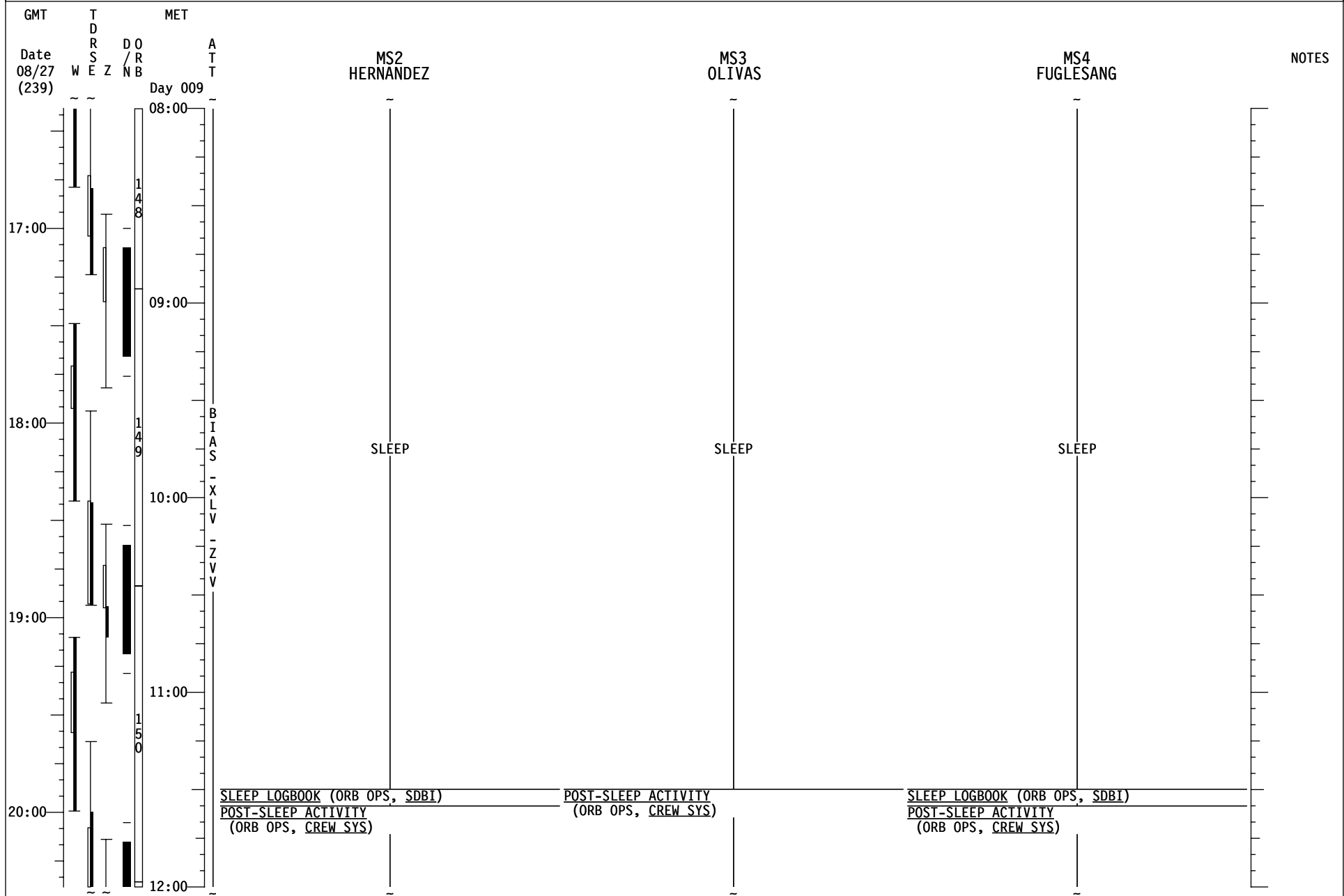
STS-128/17A FD10



STS-128/17A FD11



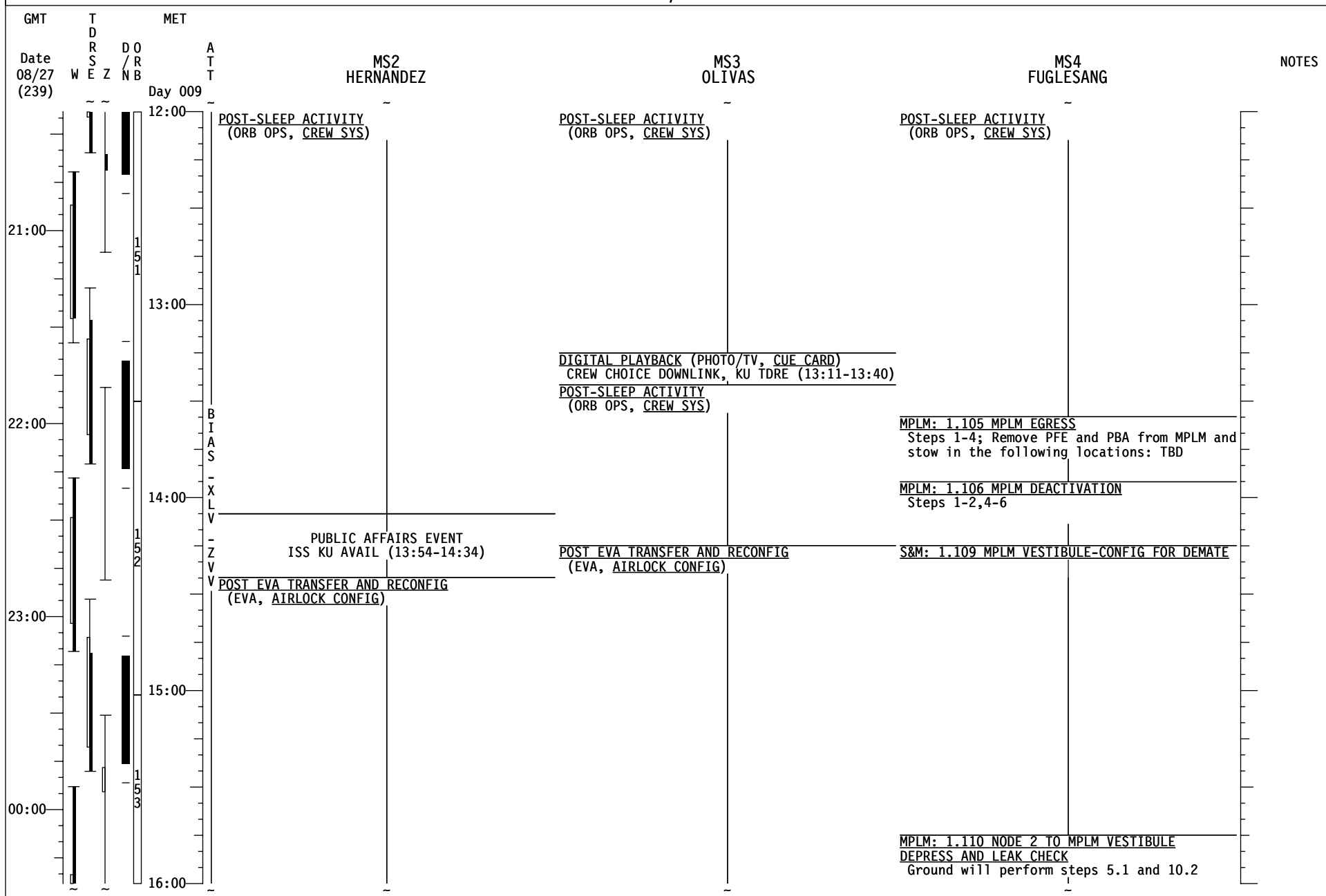
STS-128/17A FD11



STS-128/17A FD11

GMT	TDRSZ	MET	A/T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/27 (239)	W E Z	Day 009					
12:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
21:00							
13:00							
22:00						DIGITAL PLAYBACK (PHOTO/TV, CUE CARD) CREW CHOICE DOWNLINK, KU TDRE (13:11-13:40)	
						POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00							
23:00				PUBLIC AFFAIRS EVENT ISS KU AVAIL (13:54-14:34)	PUBLIC AFFAIRS EVENT ISS KU AVAIL (13:54-14:34)		
				DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG XXX		GLACIER STATUS CHECK (ASSY OPS, P/L) L17 Check MCIU filter screen	
				TRANSFER OPS Ref. Transfer List		TRANSFER OPS Ref. Transfer List	
15:00					EXERCISE		
00:00				SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #4 Ref. MSG XXX	TRANSFER OPS Ref. Transfer List		
				TRANSFER OPS Ref. Transfer List			
16:00							

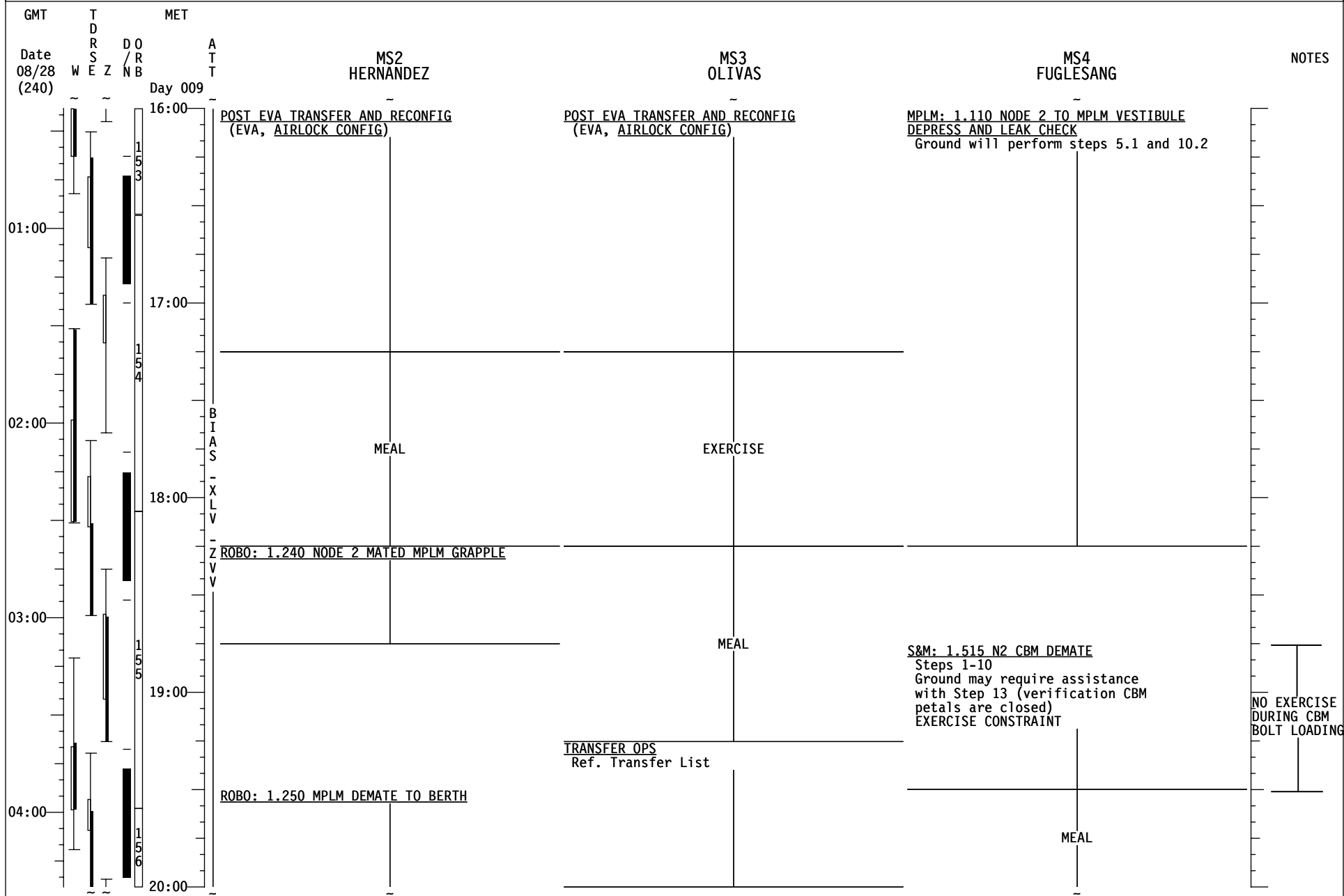
STS-128/17A FD11



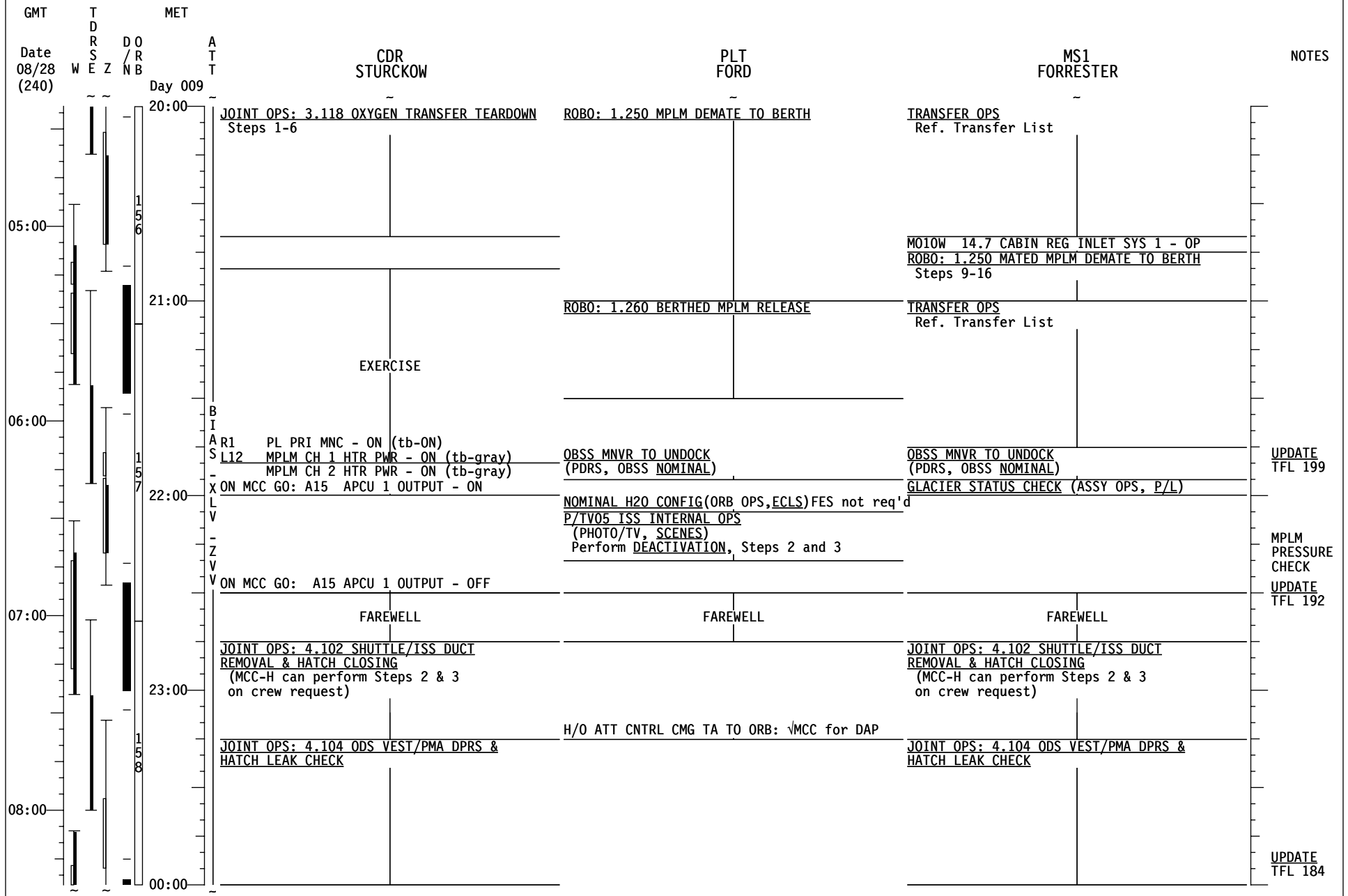
STS-128/17A FD11

GMT	TDRS W E Z	MET Day 009	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
16:00			<u>TRANSFER OPS</u> Ref. Transfer List	<u>TRANSFER OPS</u> Ref. Transfer List	<u>TRANSFER OPS</u> Ref. Transfer List	
01:00			IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION		EXERCISE	
17:00			SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #5 Ref. MSG XXX			
02:00			MEAL	MEAL	MEAL	
18:00						
03:00			Z SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) V Perform FILL TERMINATION CWC TRANSFER Transfer 2 CWCs to ISS	ROBO: 1.240 NODE 2 MATED MPLM GRAPPLE	<u>TRANSFER OPS</u> Ref. Transfer List	
19:00			<u>TRANSFER OPS</u> Ref. Transfer List			
04:00				ROBO: 1.250 MPLM DEMATE TO BERTH		
20:00			JOINT OPS: 3.116 HIGH PRESSURE TANK 02 XFER Steps 3.2-3.4 JOINT OPS: 3.118 OXYGEN TRANSFER TEARDOWN Steps 1-6			NO EXERCISE DURING CBM BOLT LOADING

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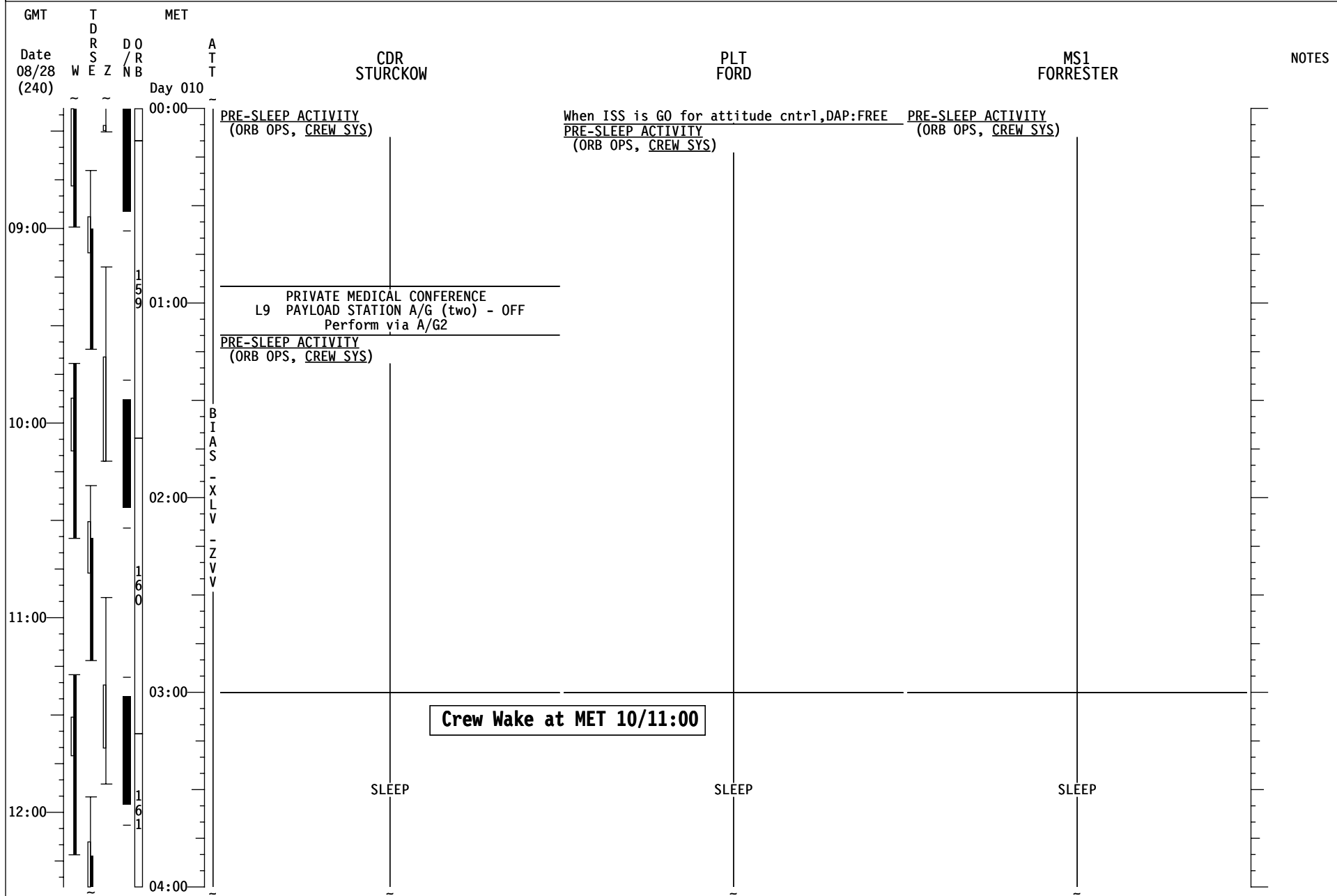
STS-128/17A FD11



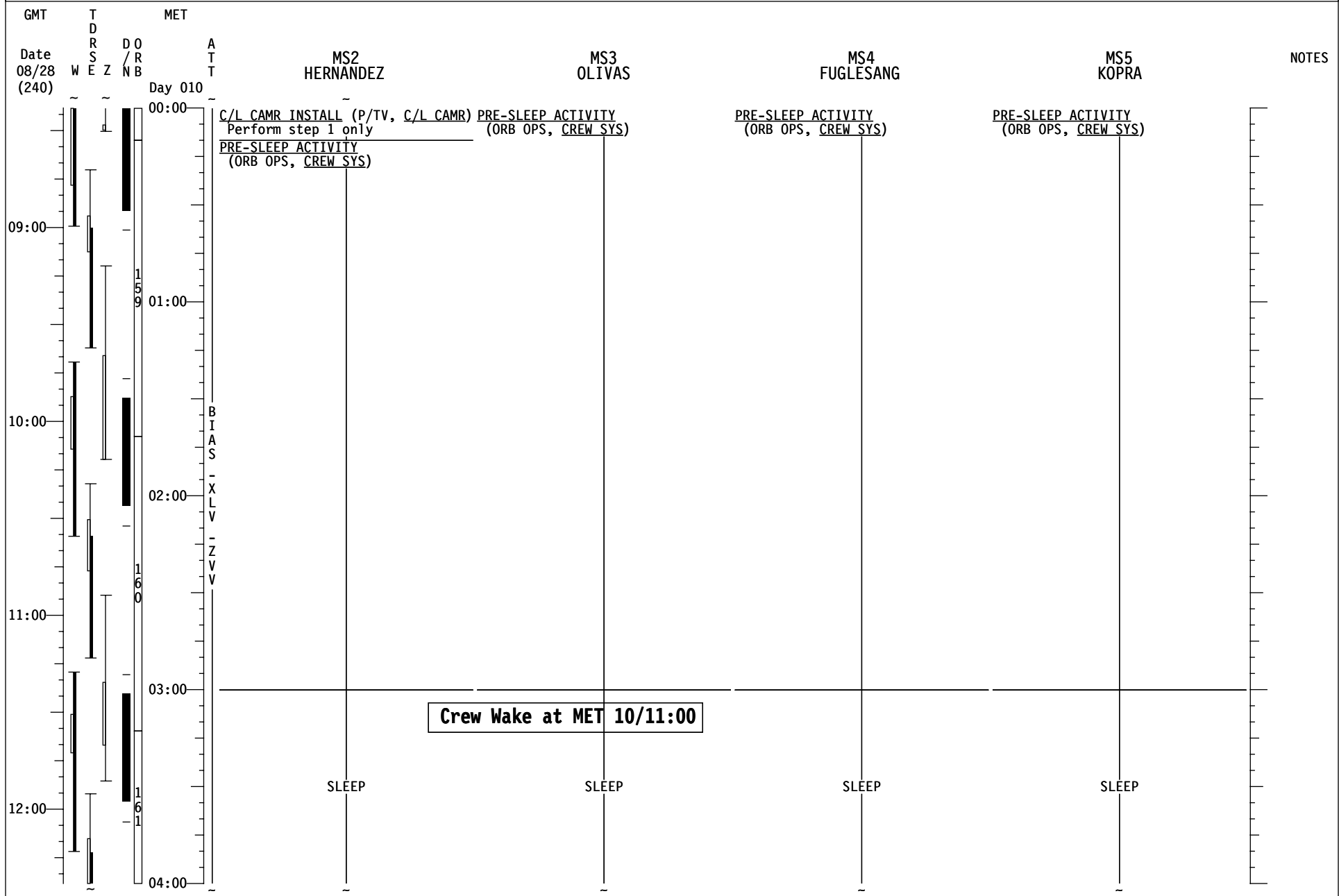
STS-128/17A FD11

GMT	T D R S W E Z	MET D O R / N B Day 009	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
20:00				<u>ROBO: 1.250 MPLM DEMATE TO BERTH</u>	<u>P/TV06 ROBOTICS OPERATIONS</u> (PHOTO/TV, SCENES) Ops		
05:00					<u>TRANSFER OPS</u> Ref. Transfer List	<u>TRANSFER OPS</u> Ref. Transfer List	
21:00				<u>ROBO: 1.260 BERTHED MPLM RELEASE</u>			
06:00					<u>TRANSFER TAGUP</u> Coordinate with transfer counterparts		
22:00				EXERCISE	<u>TRANSFER BRIEF</u> Call down status to MCC		
07:00				FAREWELL	FAREWELL	FAREWELL	
23:00				<u>WLES RNDZ TOOLS C/O PREP (ORB OPS, WLE SENSORS)</u> <u>RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)</u>	<u>RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)</u>	<u>FORMALDEHYDE MONITOR KIT (ORB OPS, CREW SYS)</u> Perform Steps 1-6	
08:00						EXERCISE	
00:00				<u>C/L CAMR INSTALL (P/TV, C/L CAMR)</u> Perform step 1 only			

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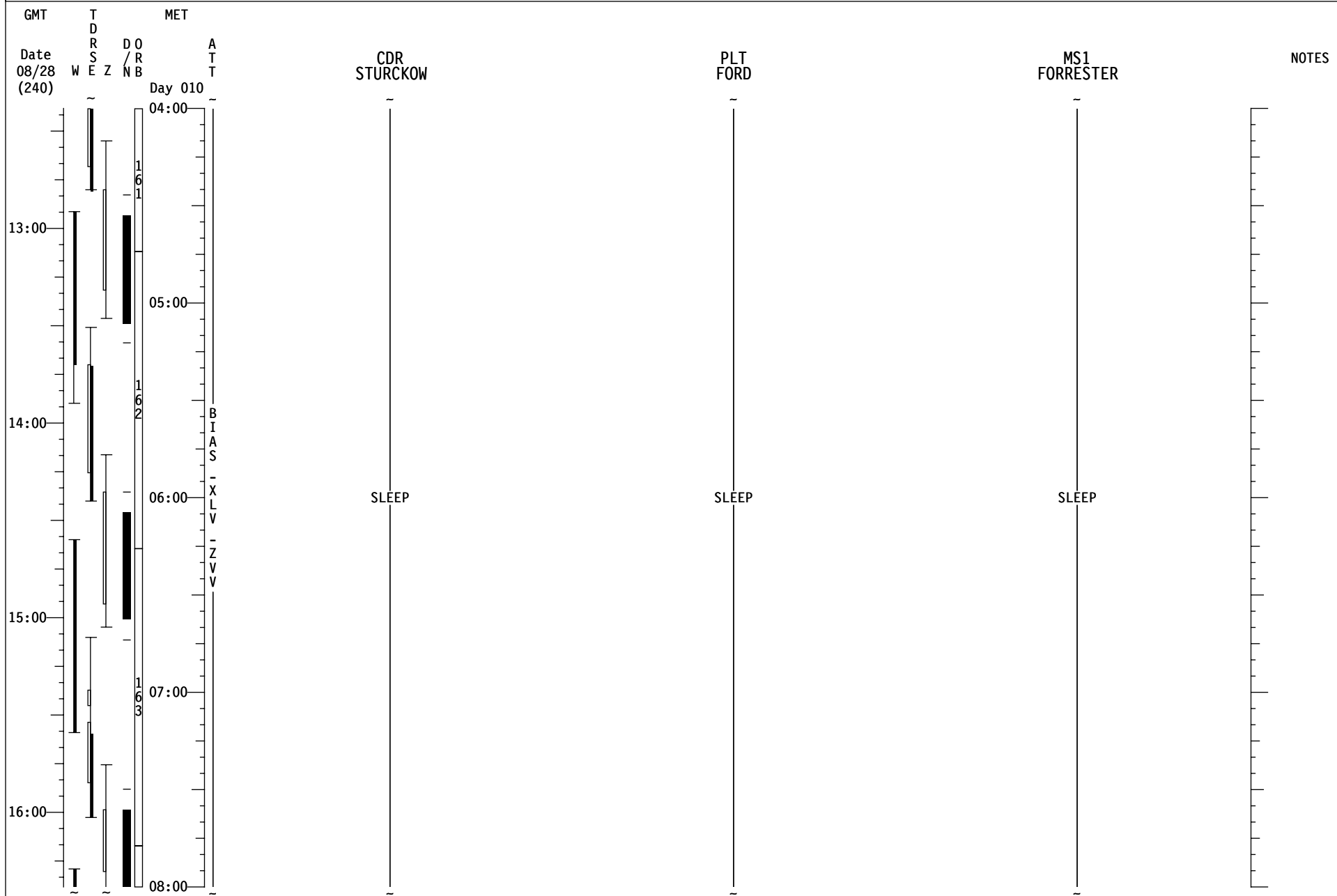


STS-128/17A FD11

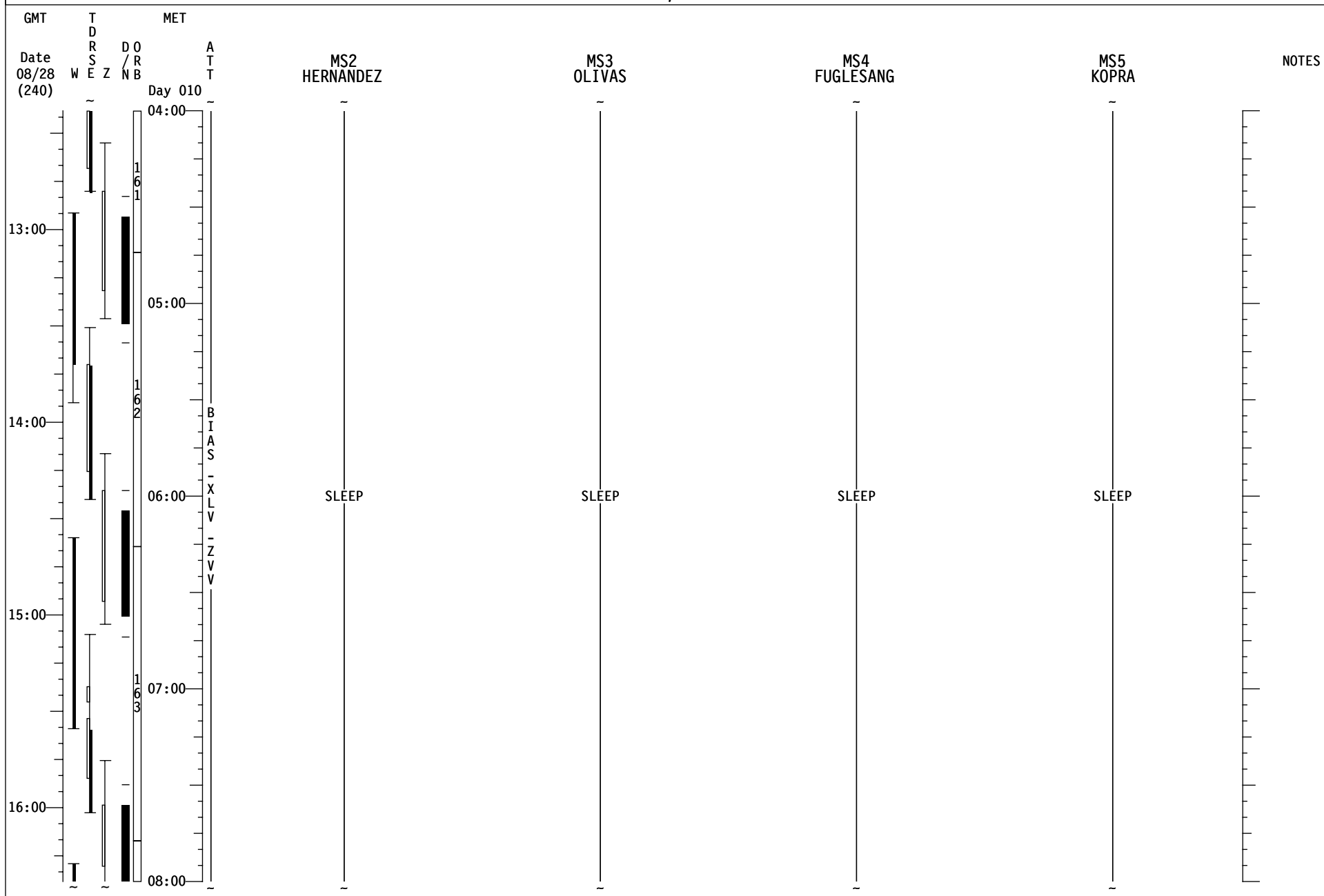


Crew Wake at MET 10/11:00

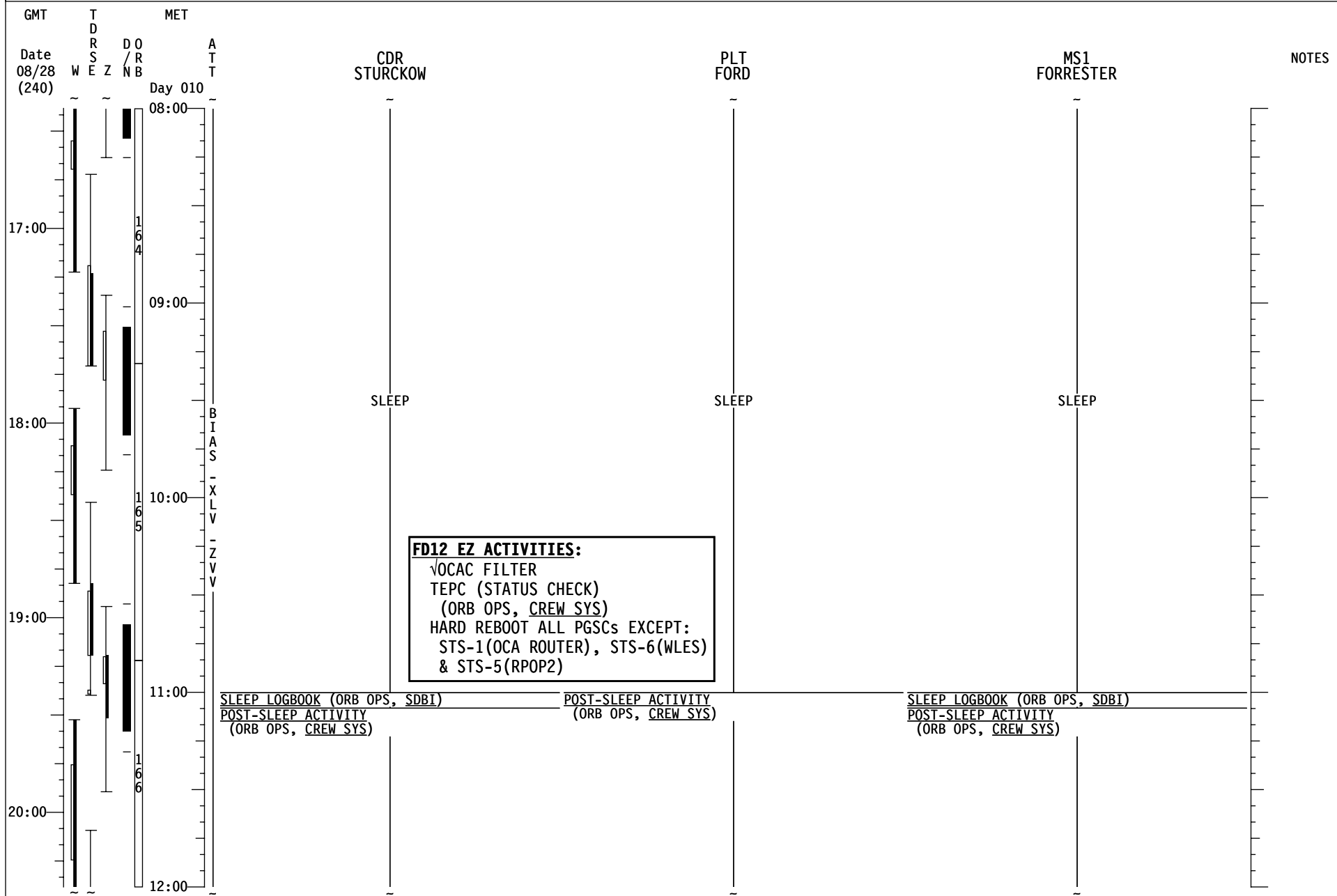
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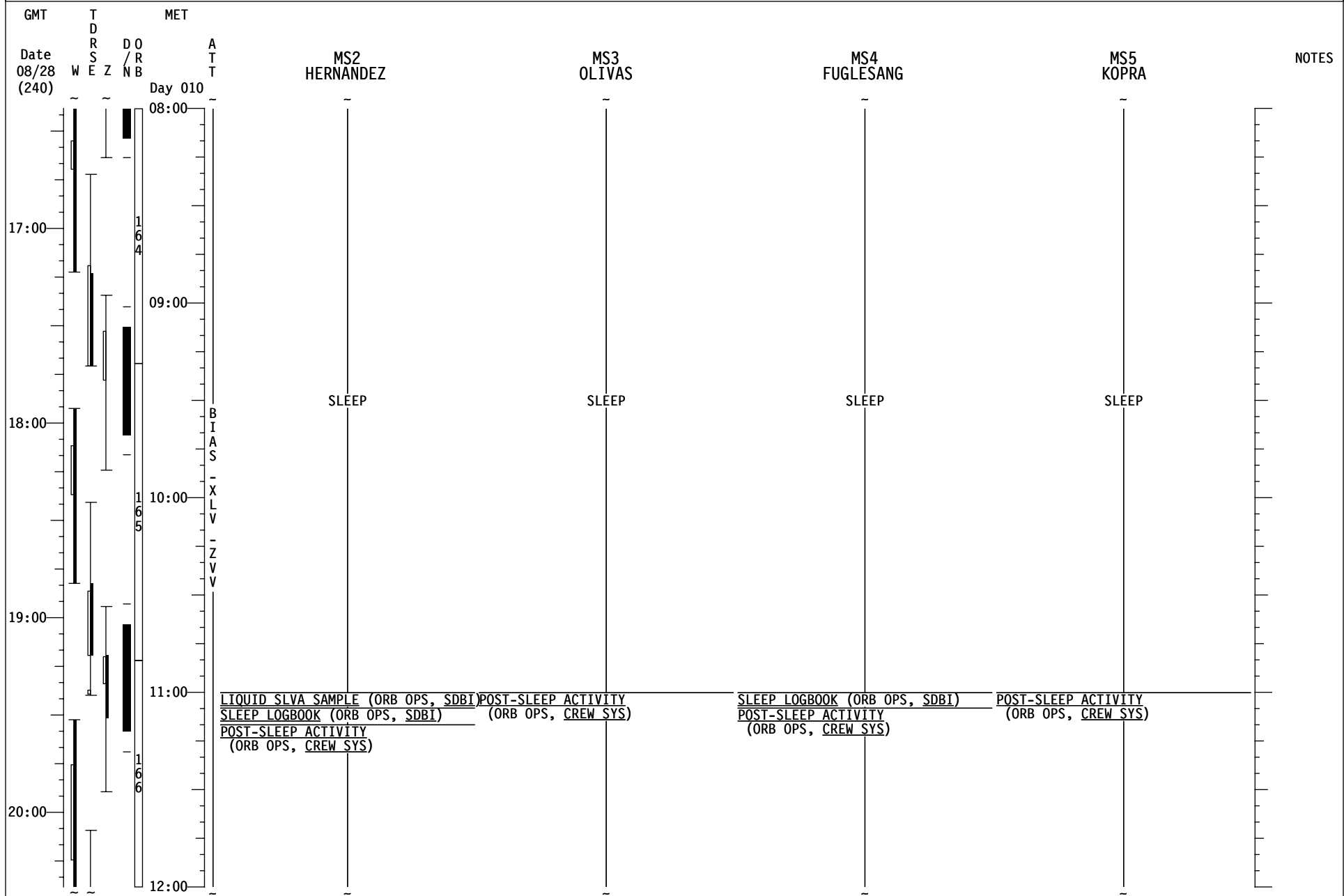
STS-128/17A FD11



STS-128/17A FD12



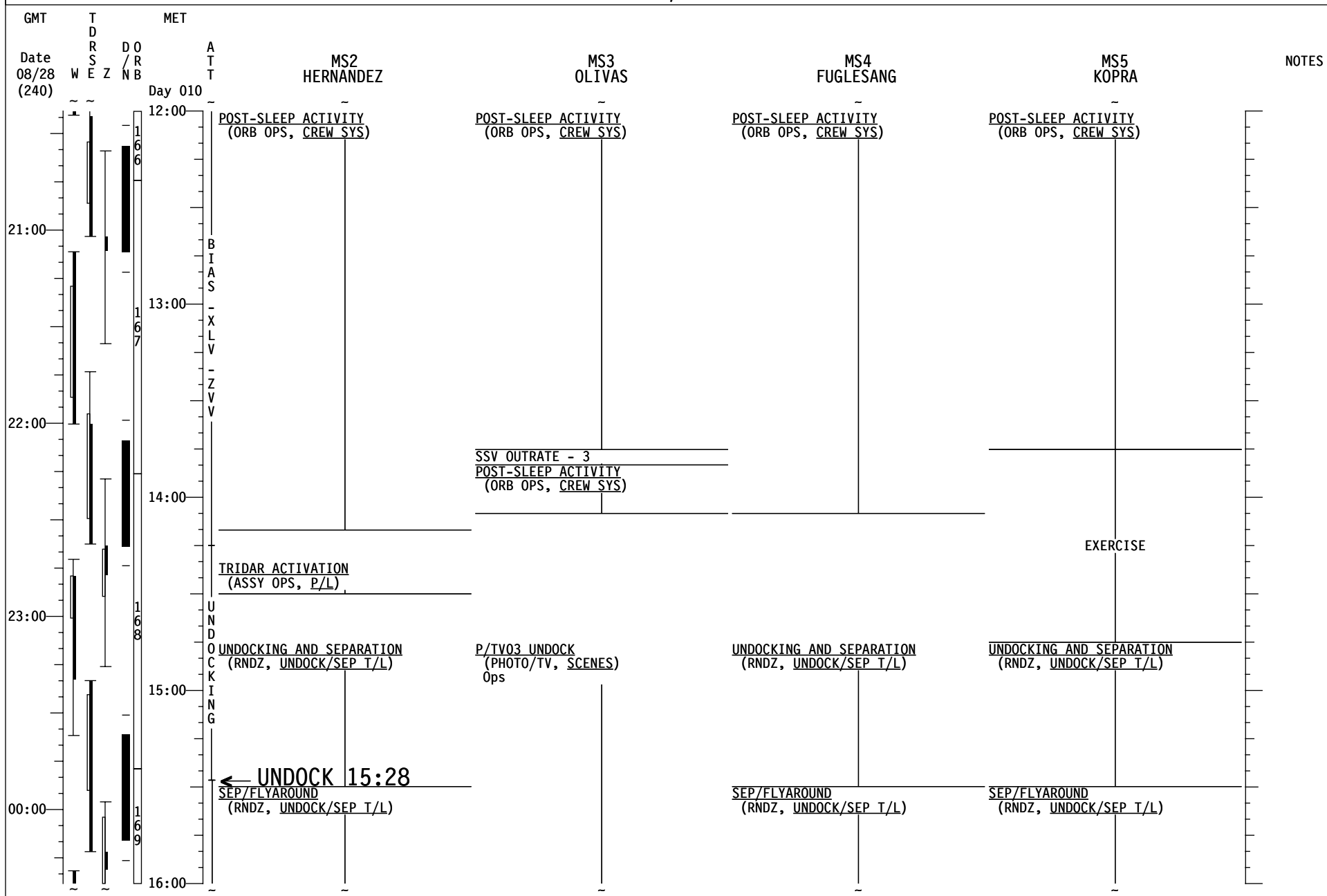
STS-128/17A FD12



STS-128/17A FD12

GMT	TDRS W E Z	MET DO R N B	ATT Day 010	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
12:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
21:00					ON MCC GO: A15 APCU 1 OUTPUT - ON		UPDATE TFL 199
					POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		MPLM PRESSURE CHECK
13:00					ON MCC GO: A15 APCU 1 OUTPUT - OFF		
					POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
22:00					A] A15 OPCU 1,2 CONV (two) - OFF R1 MN BUS TIE B - OFF (tb-OFF) C - OFF (tb-OFF)		UPDATE TFL 192
14:00				06 S TRK PWR -Z - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 (IMU 1) & 6 (Triple G2)	06 S TRK PWR -Z - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 (IMU 1) & 6 (Triple G2)		
				H/O ATT CNTRL CMG TA TO ORB: √MCC for DAP	SSPTS OPCU DEACT [A]		
				MNVR (TRK) UNDOCK TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
23:00					IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	L17 Check MCIU filter screen GLACIER STATUS CHECK (ASSY OPS, P/L)	UPDATE β21+Mask Box 1,2, 3,4
				UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
15:00							
00:00				← UNDOCK 15:28 SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
16:00							

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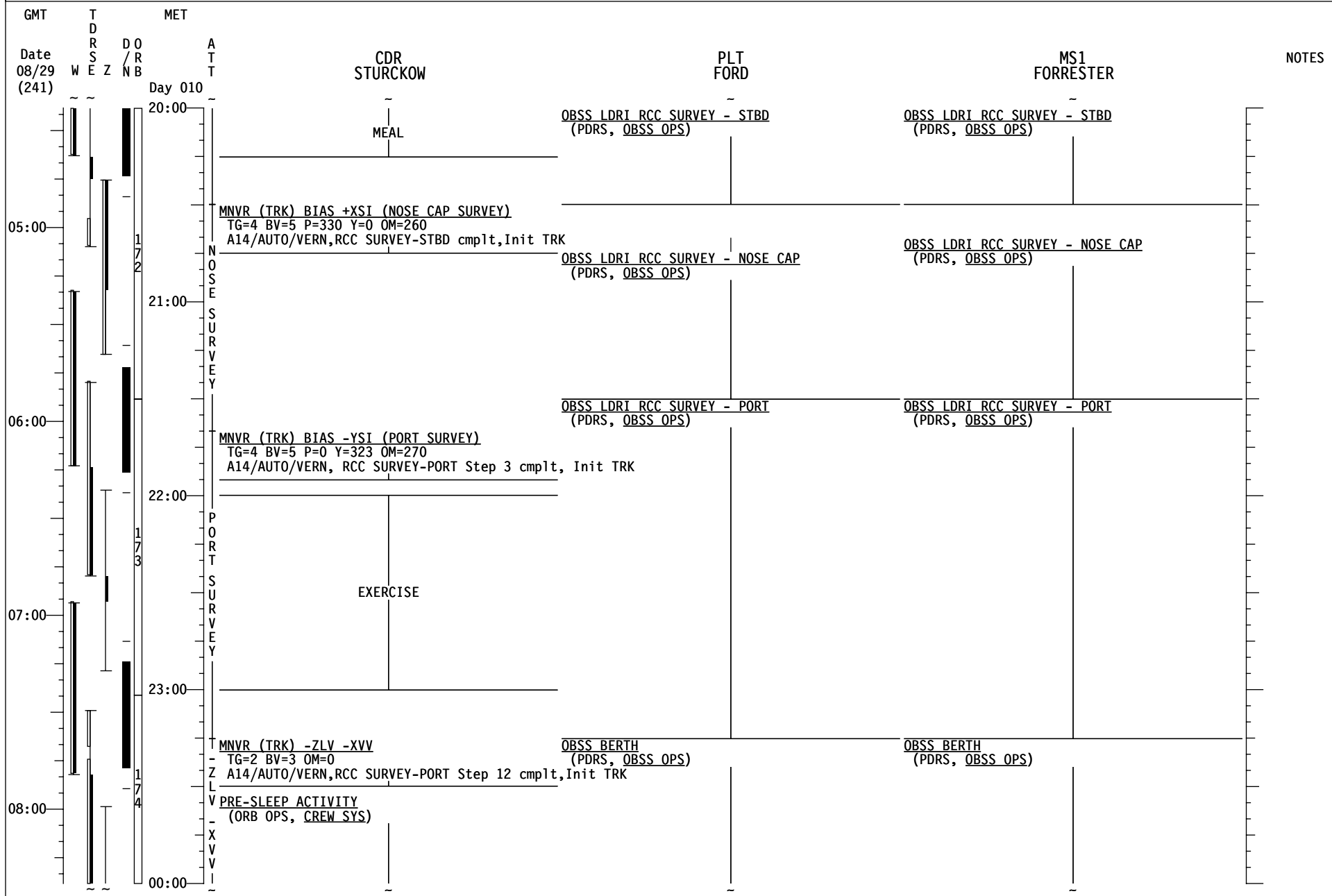
STS-128/17A FD12

GMT	T D R S E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/29 (241)	W E Z	Day 010	DO R N B				
16:00				SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
01:00			FLYAROUND	< SEP 1 TIG (16:43)			
17:00				< SEP 2 TIG (17:11)			UPDATE β21+Mask
02:00				MNVR (TRK) -ZLV +YVV (DUMP) TG=2 BV=3 OM=270 A1/AUTO/VERN Init TRK			UPDATE H2O WASTE DUMP QTY
				SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Waste Dump			
				Z CABIN TEMP CONTROLLER RECONFIG 2(1) L (ORB OPS, ECLS)	MEAL	MEAL	
				V RCS REGULATOR RECONFIG (ORB OPS, RCS)			
				+ HTR RECONFIG - CONFIG B (ORB OPS, EPS)			
				Y COMM STRING 1 C/O (PART A)			
				V (ORB OPS, COMM/INST)			
				V SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump	OBSS MNVR TO FLAT FIELD POSITION (PDRS, OBSS NOMINAL)	OBSS MNVR TO FLAT FIELD POSITION (PDRS, OBSS NOMINAL)	
03:00				PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12 (IMU 1)	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12 (IMU 1)		UPDATE TFL 188
				MNVR (TRK) BIAS +YSI (STBD SURVEY) TG=4 BV=5 P=0 Y=40 OM=220 A14/AUTO/VERN Init TRK			
19:00				S JOINT OPS: 6.106 SSOR DEACTIVATION	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	
04:00			T B D SURVEY				
20:00				MEAL			

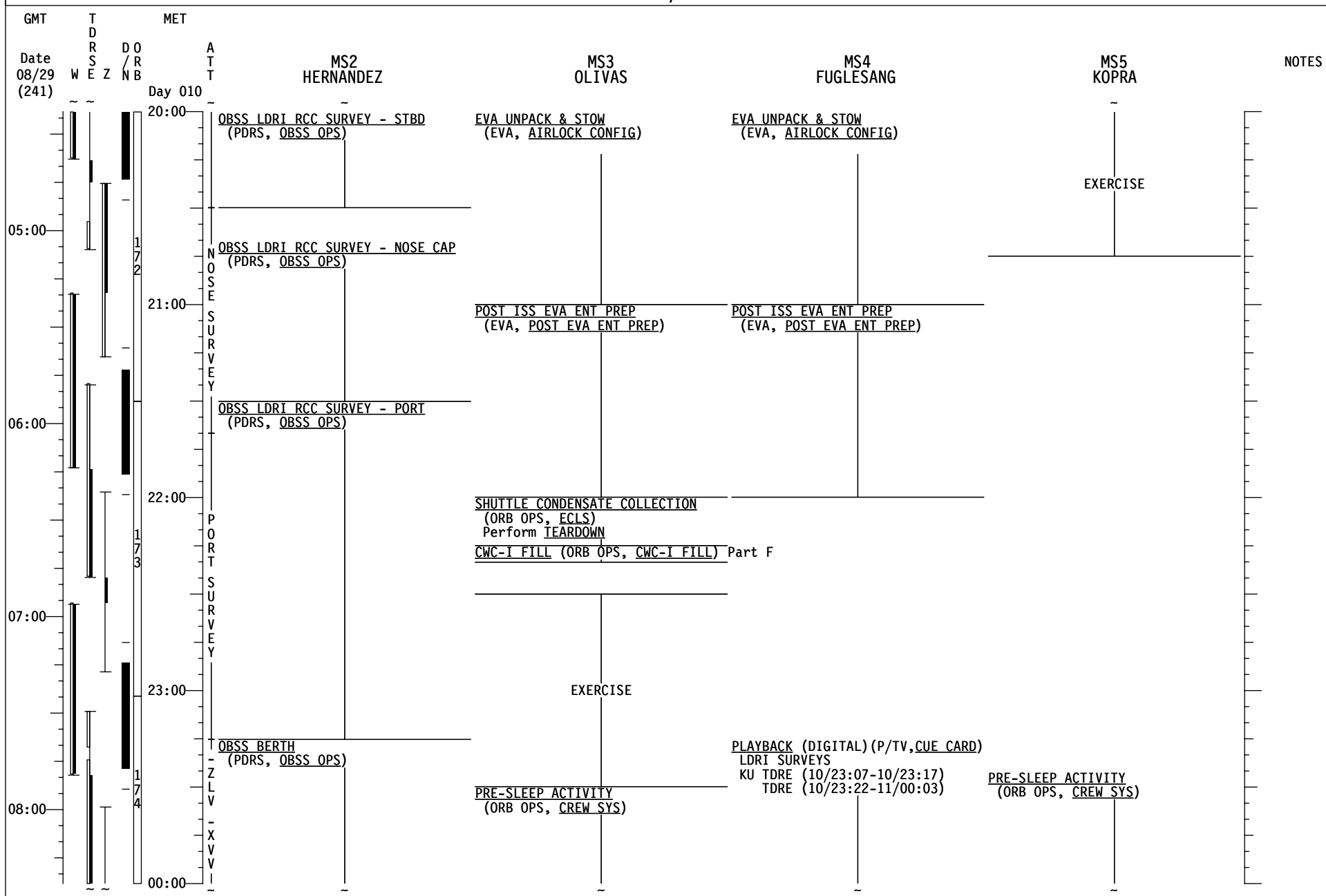
STS-128/17A FD12

GMT	T D R S E Z	MET	A T T	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	MS5 KOPRA	NOTES
Date 08/29 (241)	W E Z	Day 010	Day 010					
16:00			FLYAROUND	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
01:00								
17:00								
02:00				POST UNDOCK PGSC CONFIG Configure PGSCs per RMS usage chart	P/TV03 UNDOCK (PHOTO/TV, SCENES) Deactivation			
					SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Waste Dump			
				Z TRIDAR DEACTIVATION (ASSY OPS, P/L)			MEAL	UPDATE H2O WASTE DUMP QTY
				V WLES DOCK/UNDOCK RECOVERY (ORB OPS, WLE SENSORS)				
18:00								
03:00				MEAL	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump	EXERCISE		
19:00					SSV OUTFATE - 4			
04:00				S OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	MEAL	MEAL		
20:00							EXERCISE	

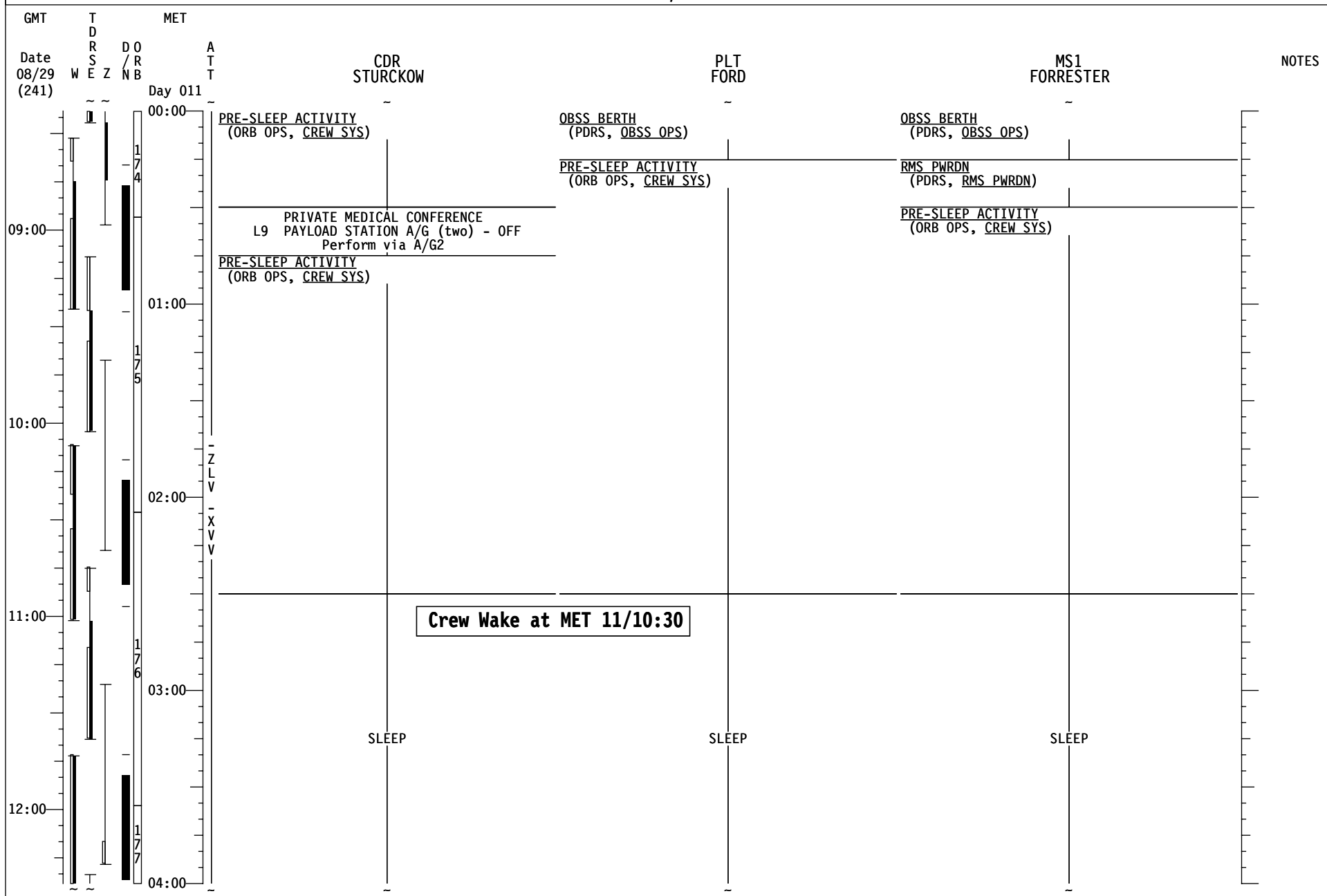
STS-128/17A FD12



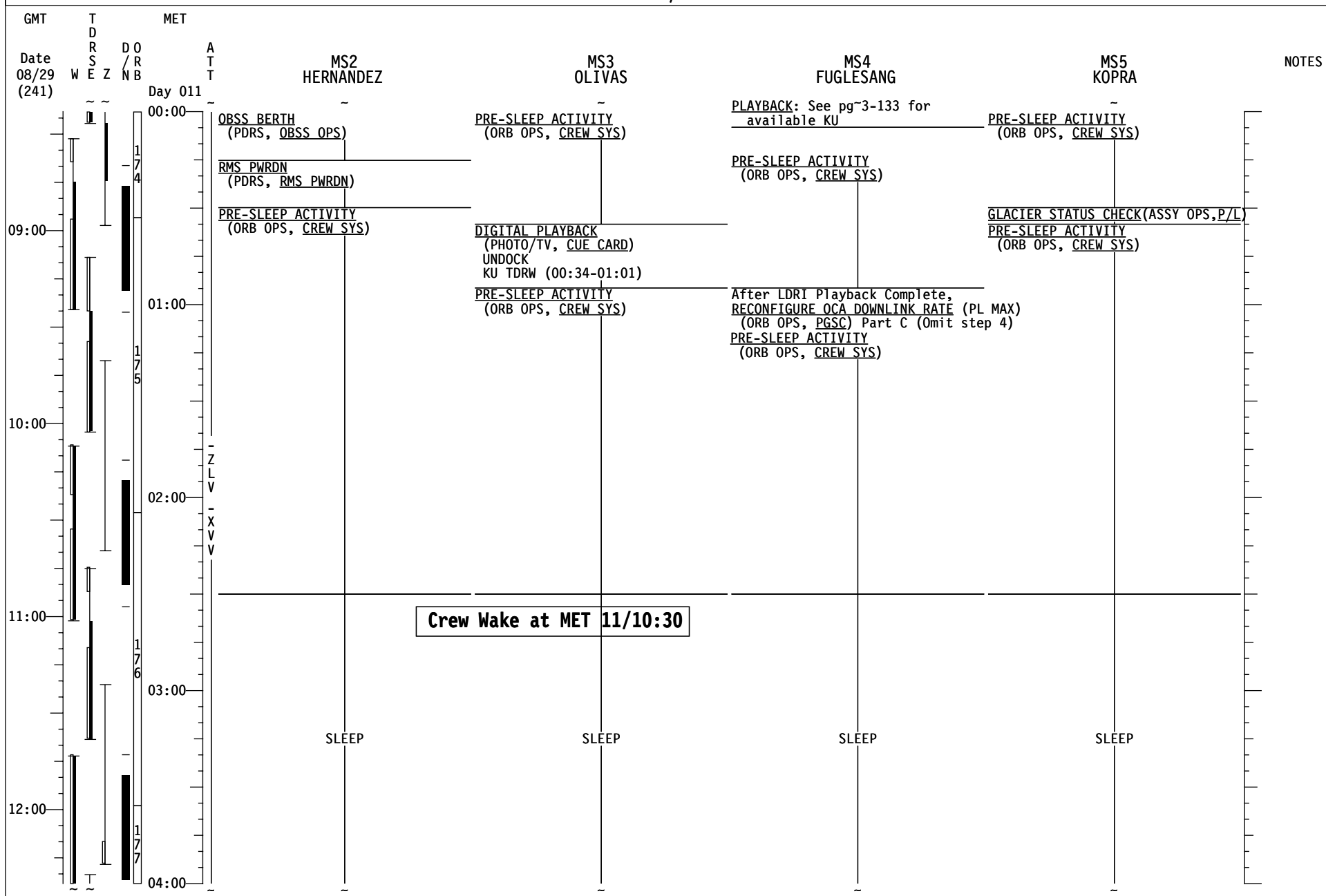
STS-128/17A FD12



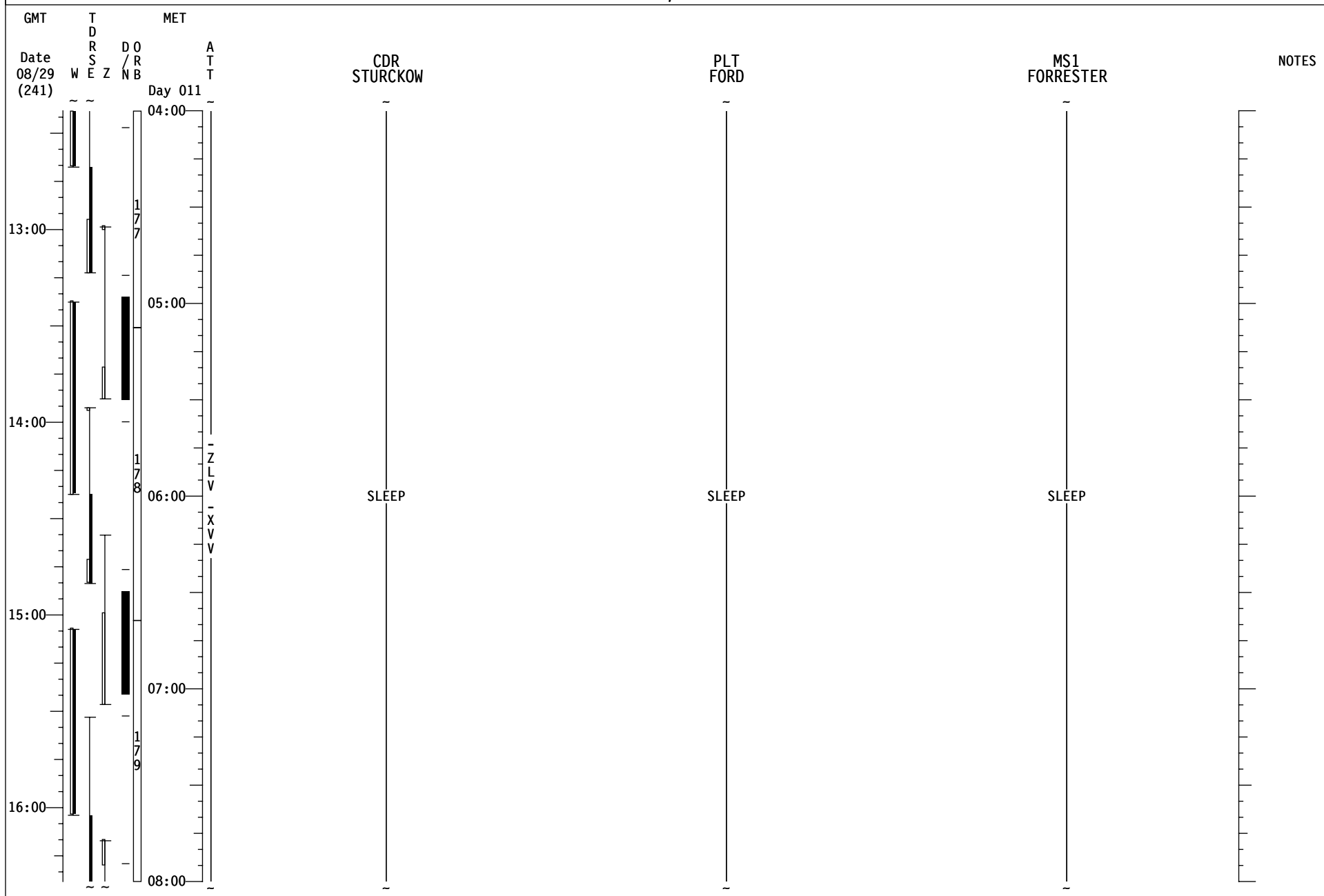
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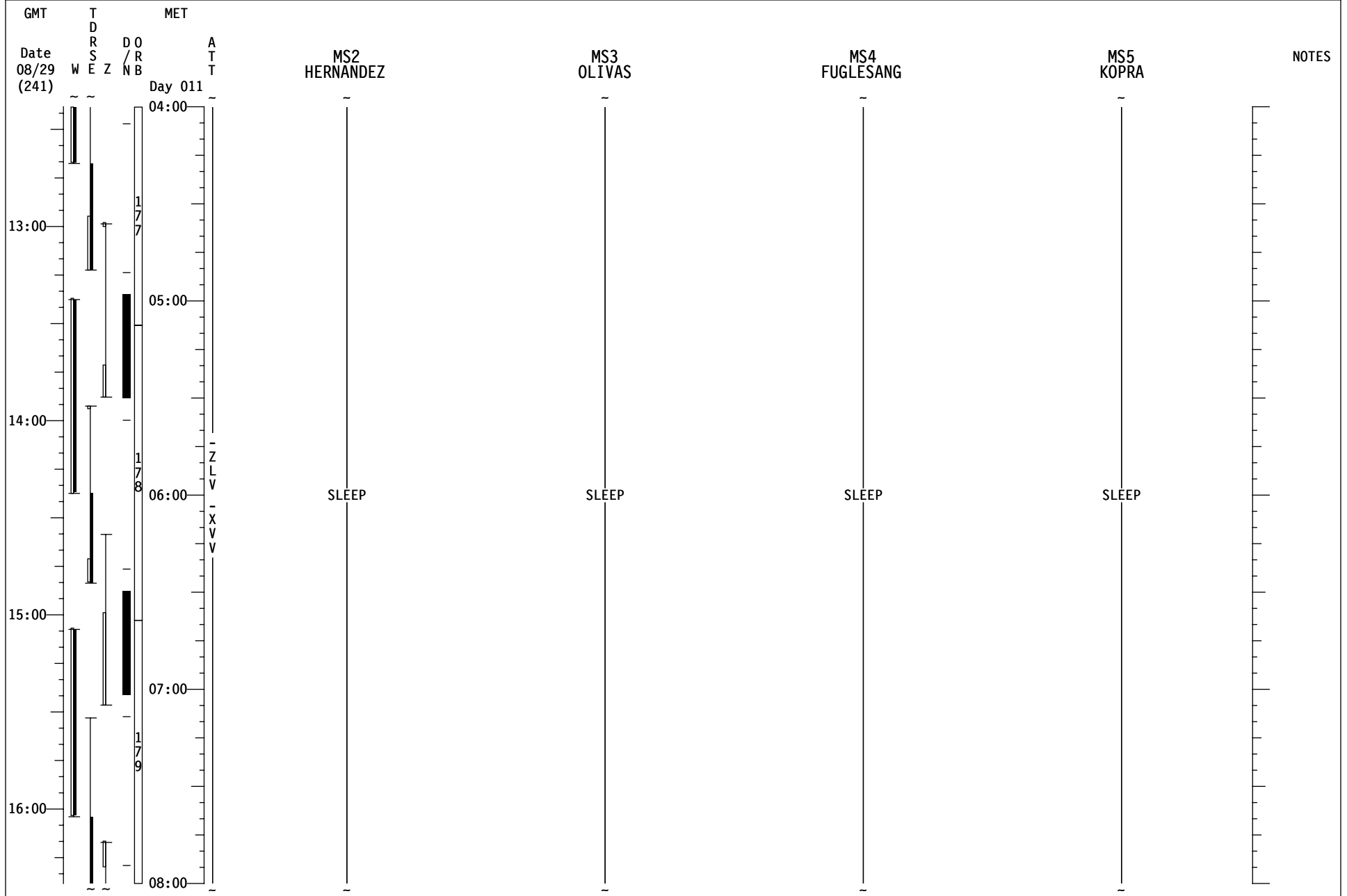
STS-128/17A FD12



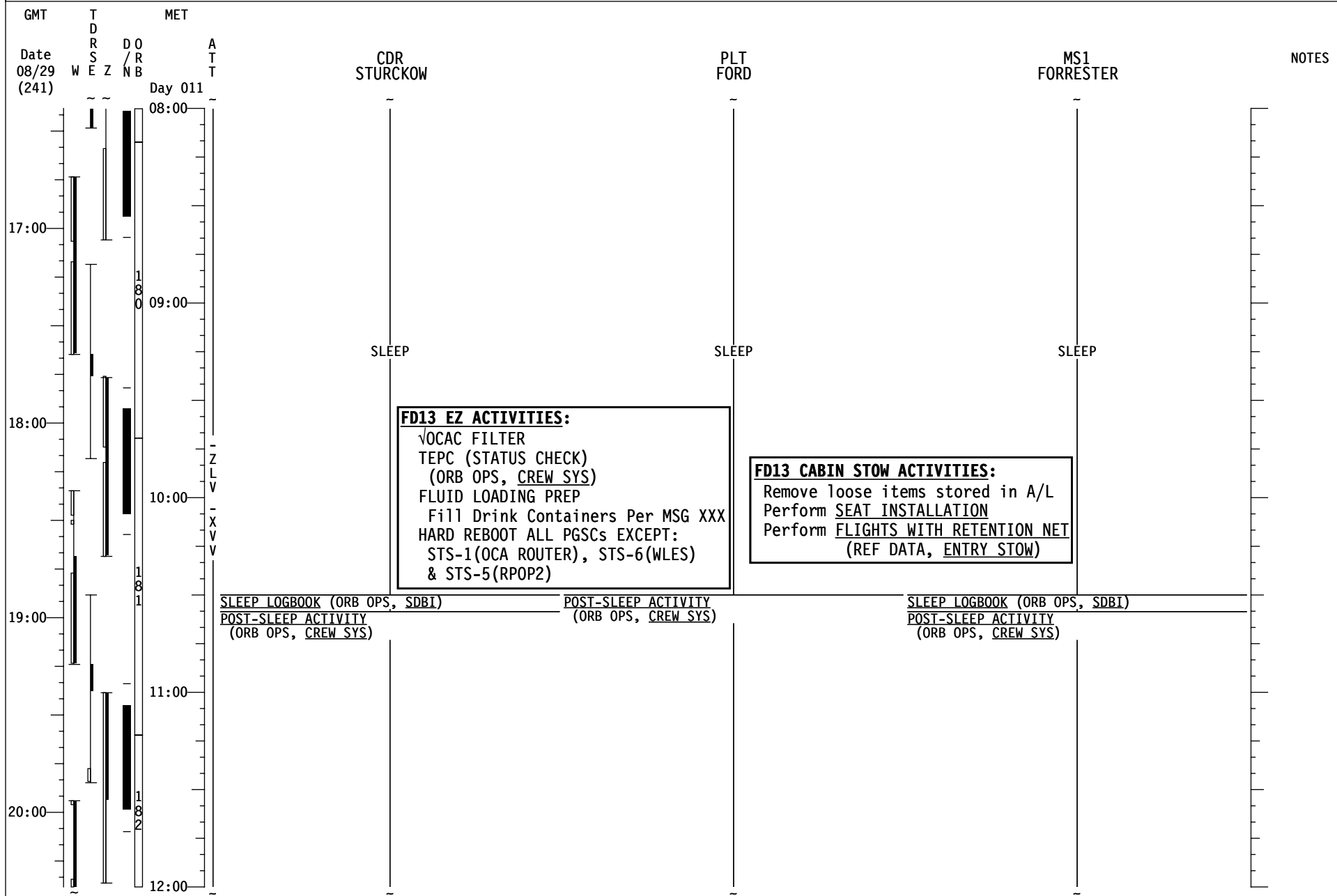
STS-128/17A FD12



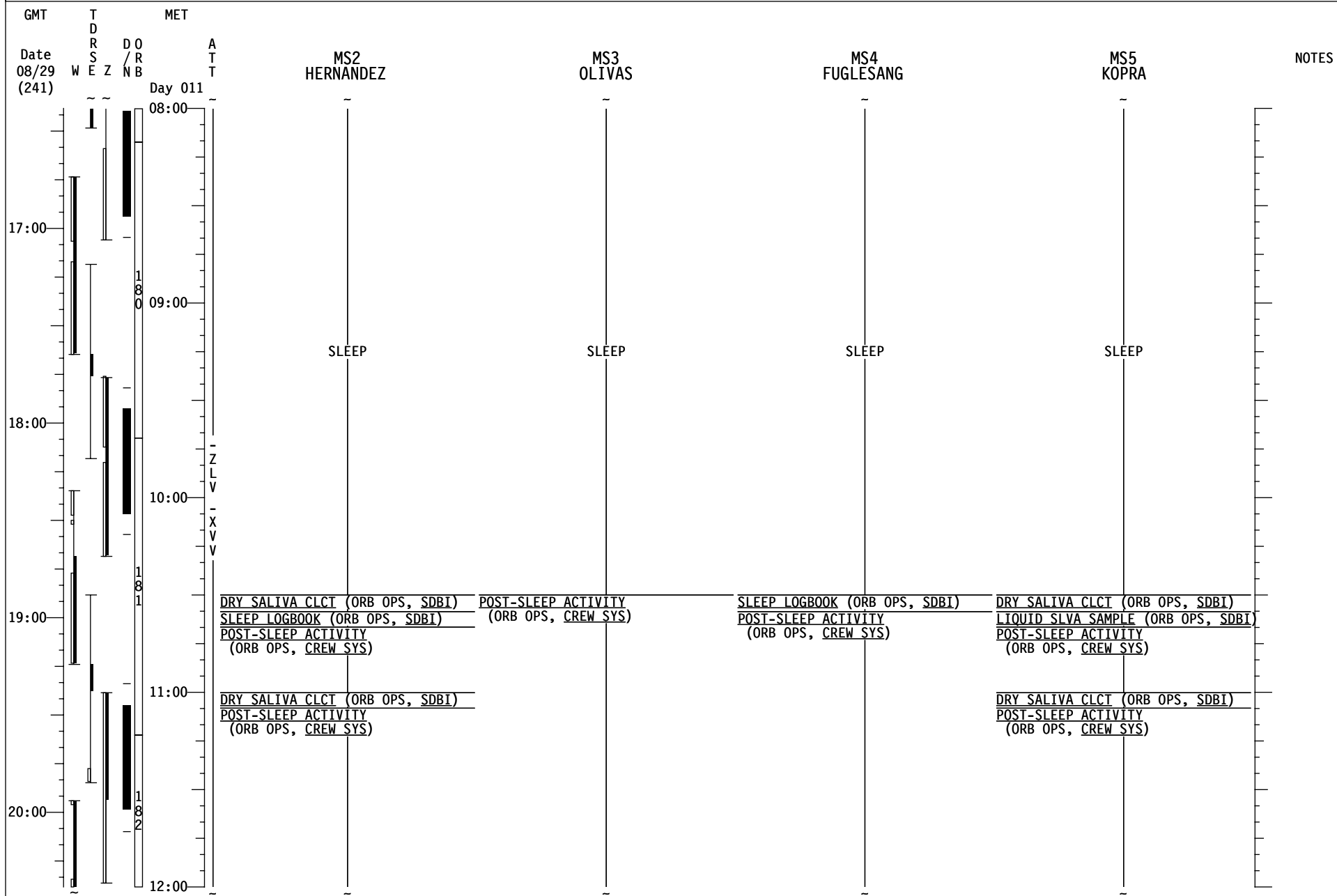
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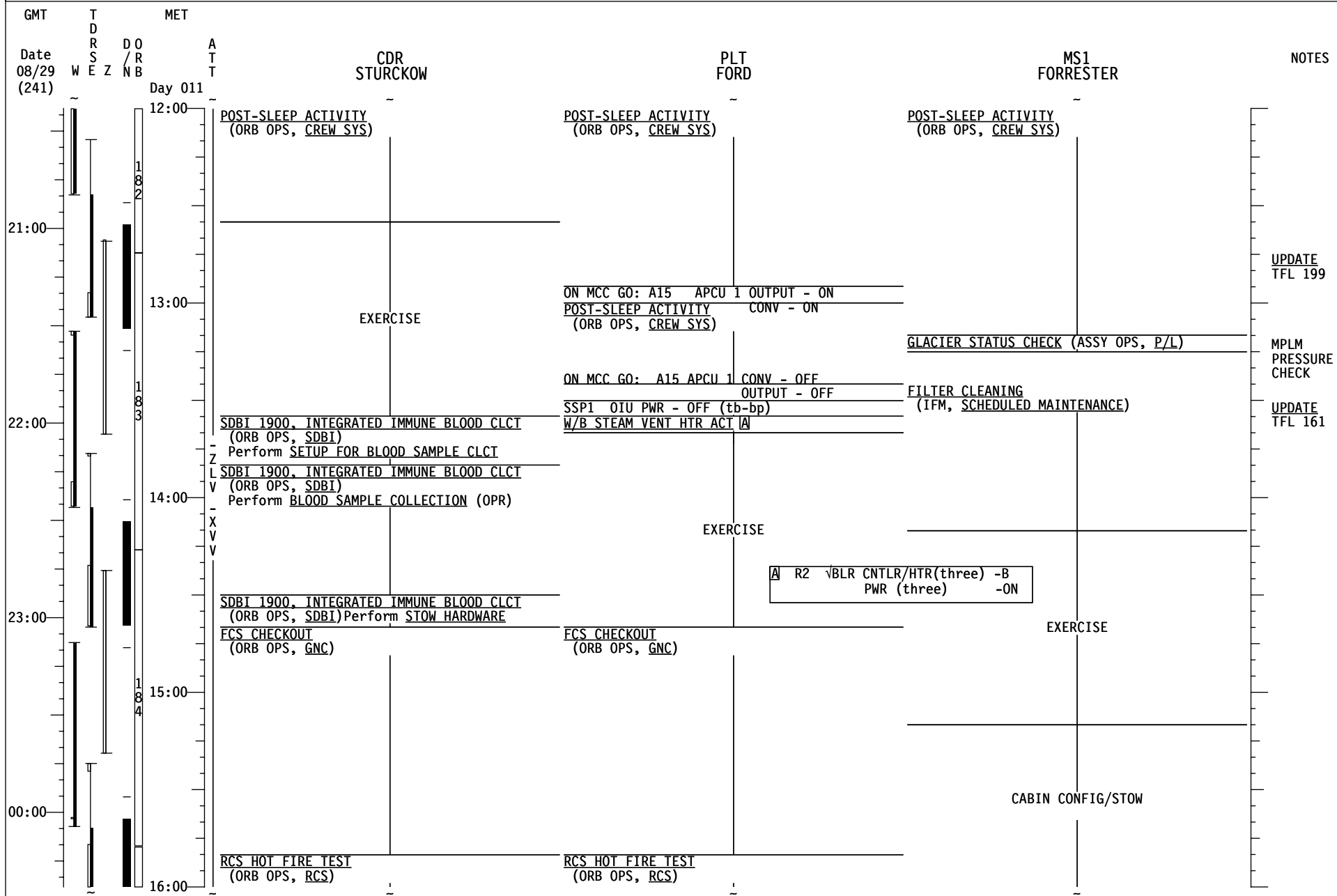
STS-128/17A FD13



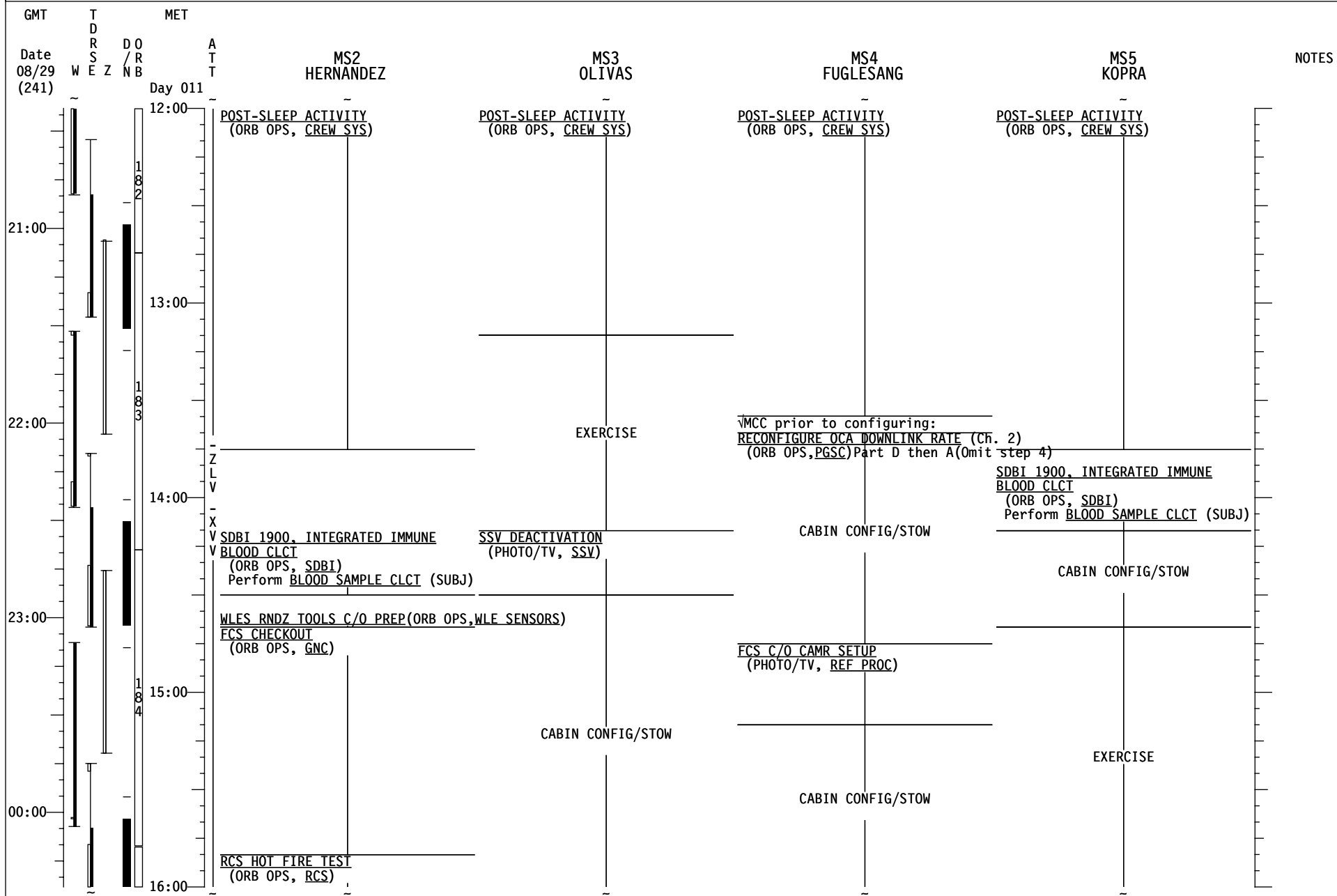
STS-128/17A FD13



STS-128/17A FD13



STS-128/17A FD13



STS-128/17A FD13

GMT	T D R S W E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/30 (242)		Day 011					
16:00				RCS HOT FIRE TEST (ORB OPS, RCS) DAP: AUTO PILOT WITH RHC (ORB OPS, PGSC)	RCS HOT FIRE TEST (ORB OPS, RCS) PILOT WITH RHC (ORB OPS, PGSC)		
01:00						CABIN CONFIG/STOW	
17:00				COMM STRING 1 C/O (PART B) (ORB OPS, COMM/INST)	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)		
02:00				PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	
18:00				MNVR (TRK) BIAS -ZLV -YVV (DUMP) TG=2 BV=3 OM=70 A1/AUTO/VERN Init TRK SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump	CABIN CONFIG/STOW	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump	
03:00				DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	
19:00							
04:00				MEAL	MEAL	MEAL	
20:00							

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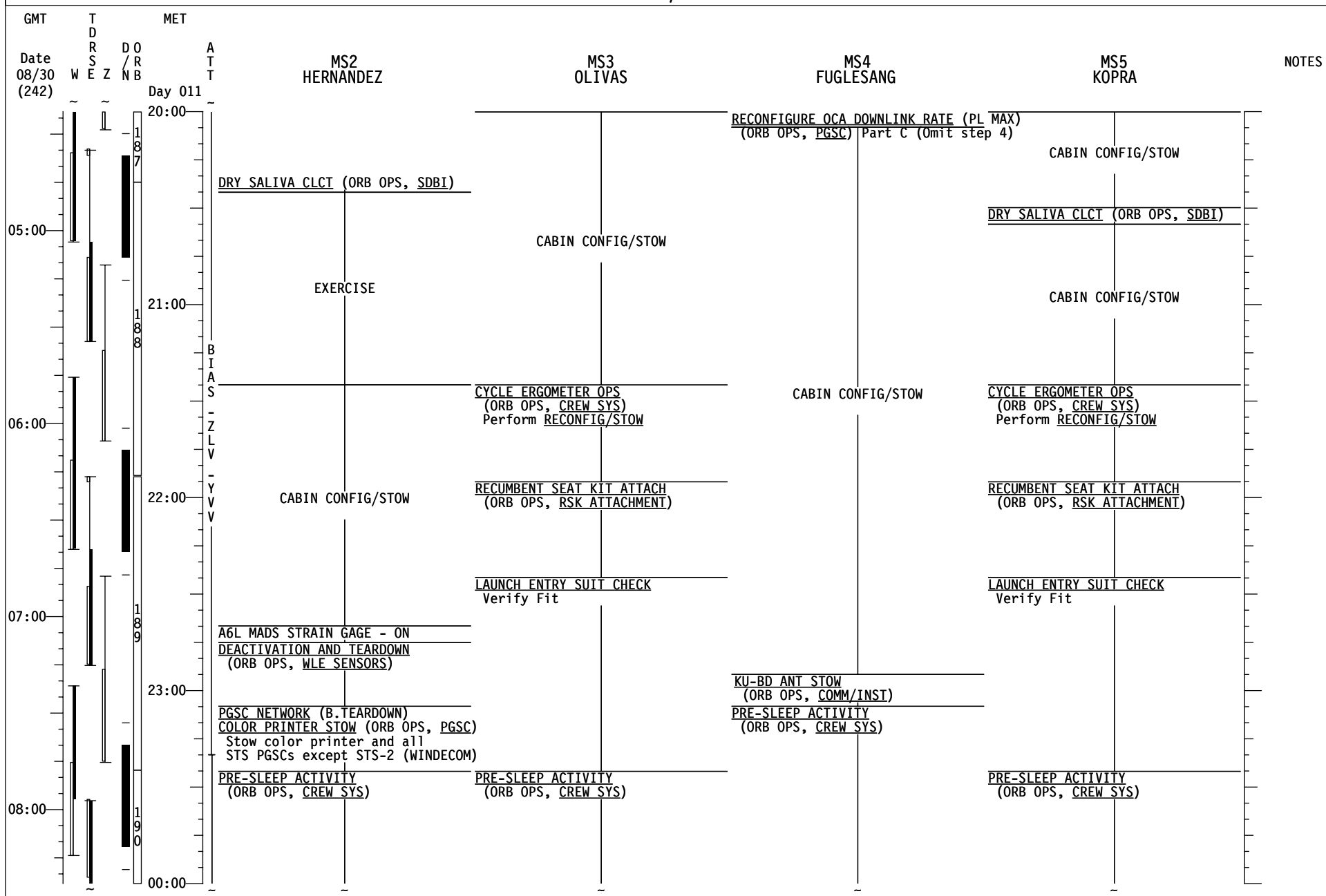
GMT	TDRS W E Z	MET D O R B / R N B	A T T Day 011	MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	MS5 KOPRA	NOTES
16:00				RCS HOT FIRE TEST (ORB OPS, RCS) PILOT WITH RHC (ORB OPS, PGSC)		CABIN CONFIG/STOW		
01:00					CABIN CONFIG/STOW		EXERCISE	
17:00				DRY SALIVA CLCT (ORB OPS, SDBI)	HD CC DNLK (PHOTO/TV, CANON G1)	EXERCISE	DRY SALIVA CLCT (ORB OPS, SDBI)	
02:00				PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE (17:23-17:51)	
18:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
03:00				DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	
19:00								
04:00				MEAL	MEAL	MEAL	MEAL	
20:00								

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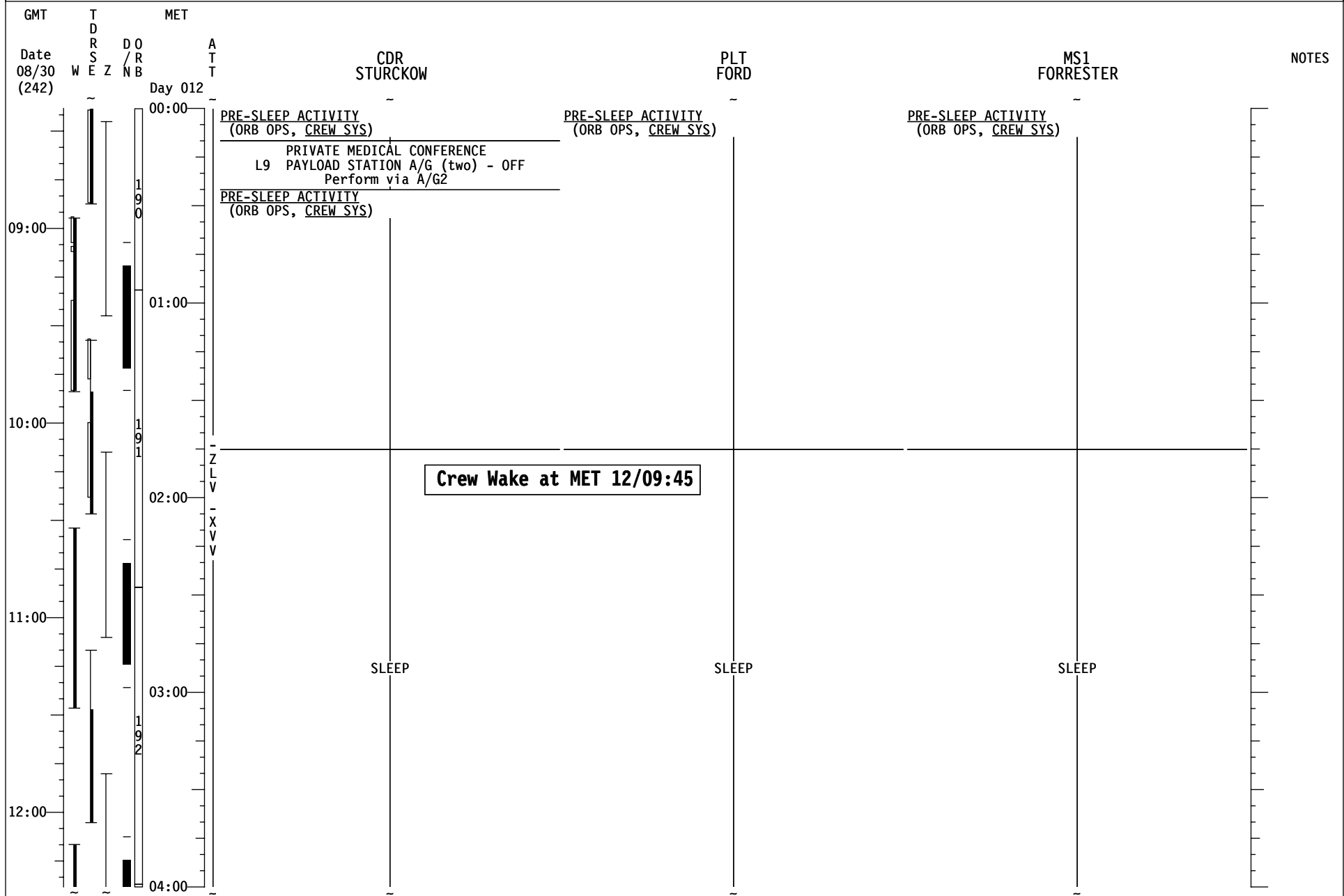
GMT	T D R S E Z	MET	A T T	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
Date 08/30 (242)	W E Z	Day 011					
20:00				SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply/Waste Dump	ENTRY VIDEO SETUP (PHOTO/TV, MINI-CAM)	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply/Waste Dump	
05:00				LANDING-1 COMM C/O (ORB OPS, COMM/INST) MLA AOS 20:32-20:38	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	
21:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
06:00				CABIN CONFIG/STOW	CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	
22:00				LANDING-1 COMM C/O (ORB OPS, COMM/INST) DFR AOS 22:00-22:09	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump Ref MSG XXX	
07:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
23:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		GLACIER STATUS CHECK (ASSY OPS, P/L) KU-BD ANT STOW (ORB OPS, COMM/INST)	
08:00				ENTRY COOLING CONFIG [B] PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	CWC OVERBOARD DUMP (ORB OPS, ECLS) Terminate	
00:00					MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

[B] R12 √VPU PWR - OFF(LED-off)
Minimize use of P/TV equipment
Dim cabin lighting to 25%

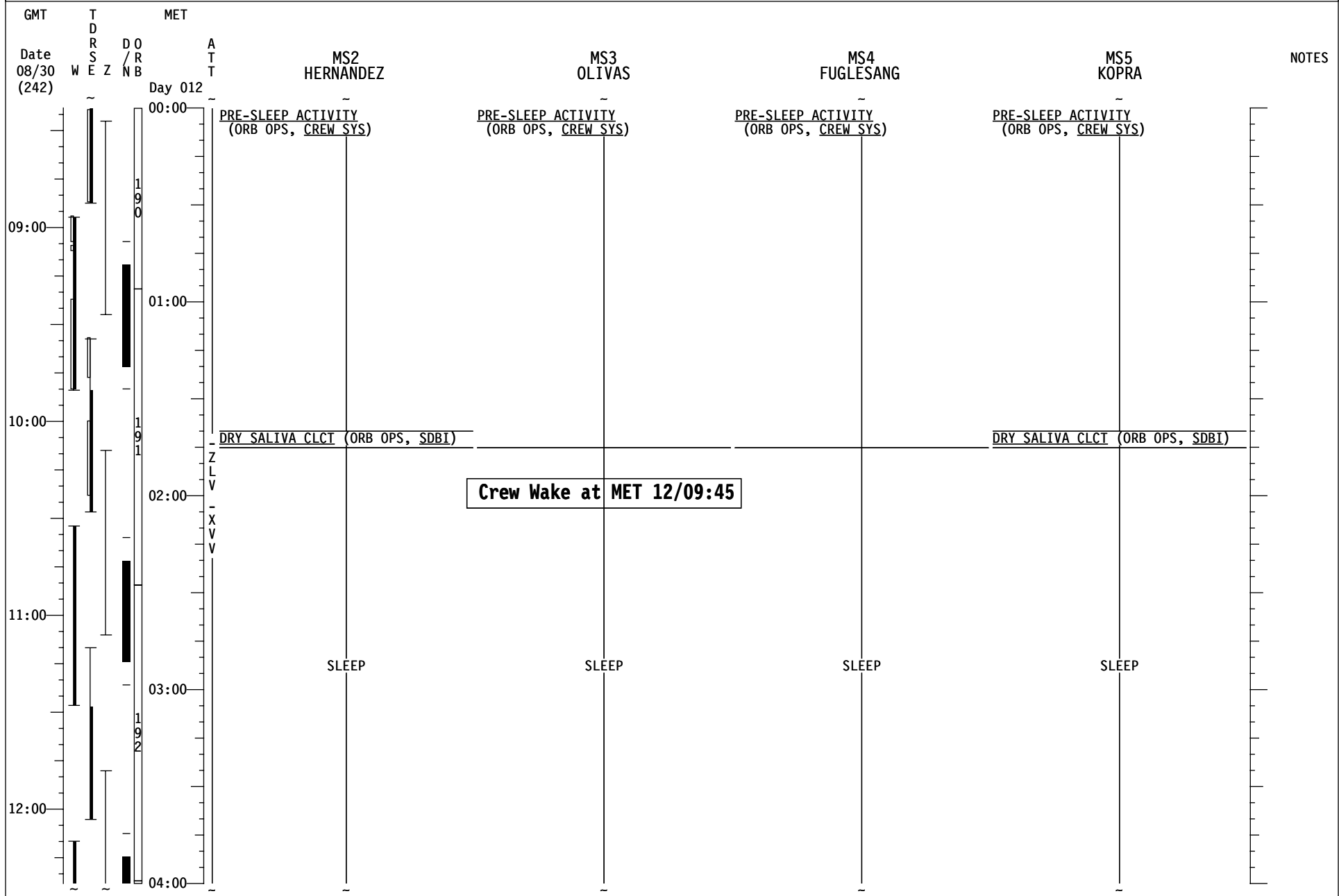
STS-128/17A FD13



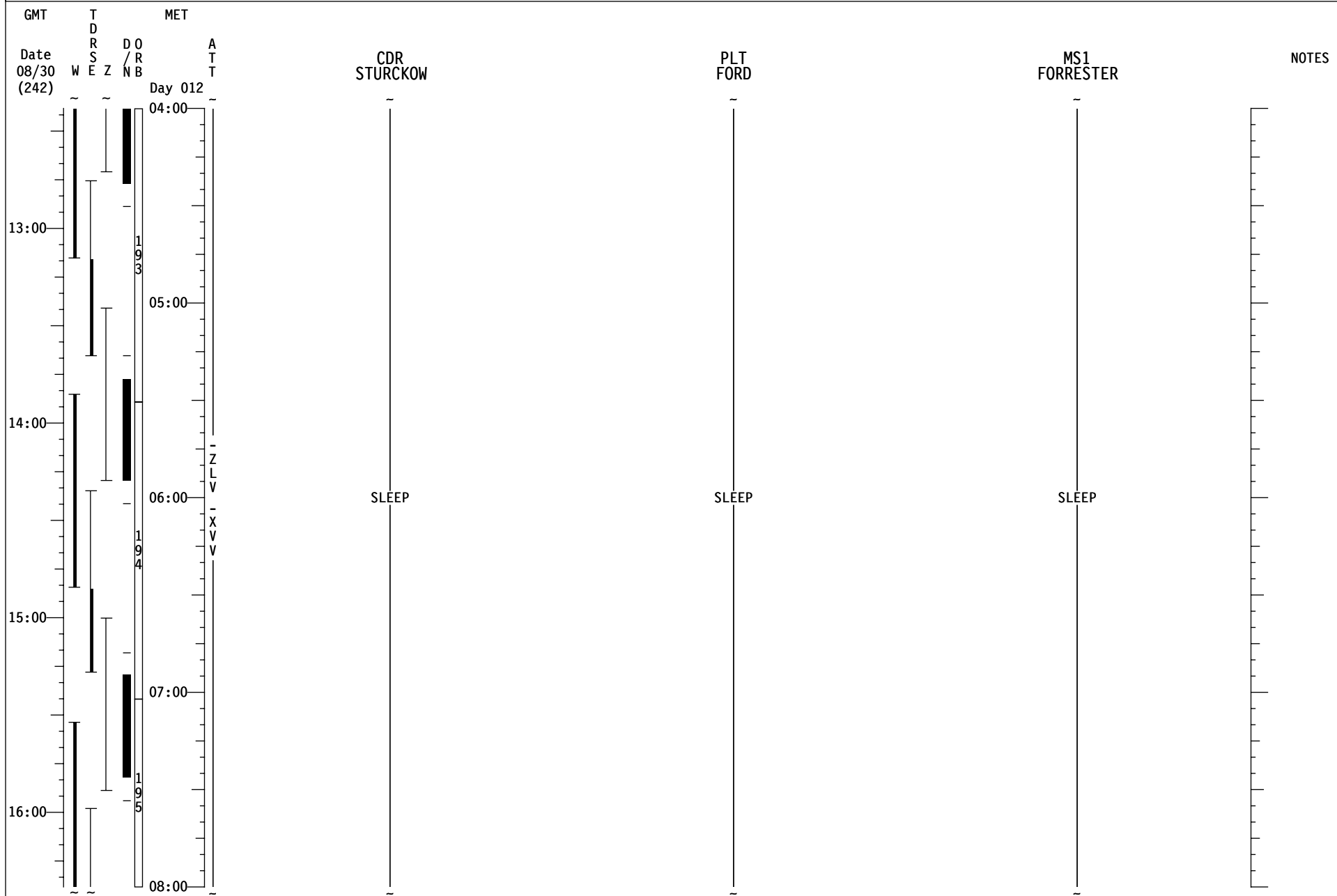
STS-128/17A FD13



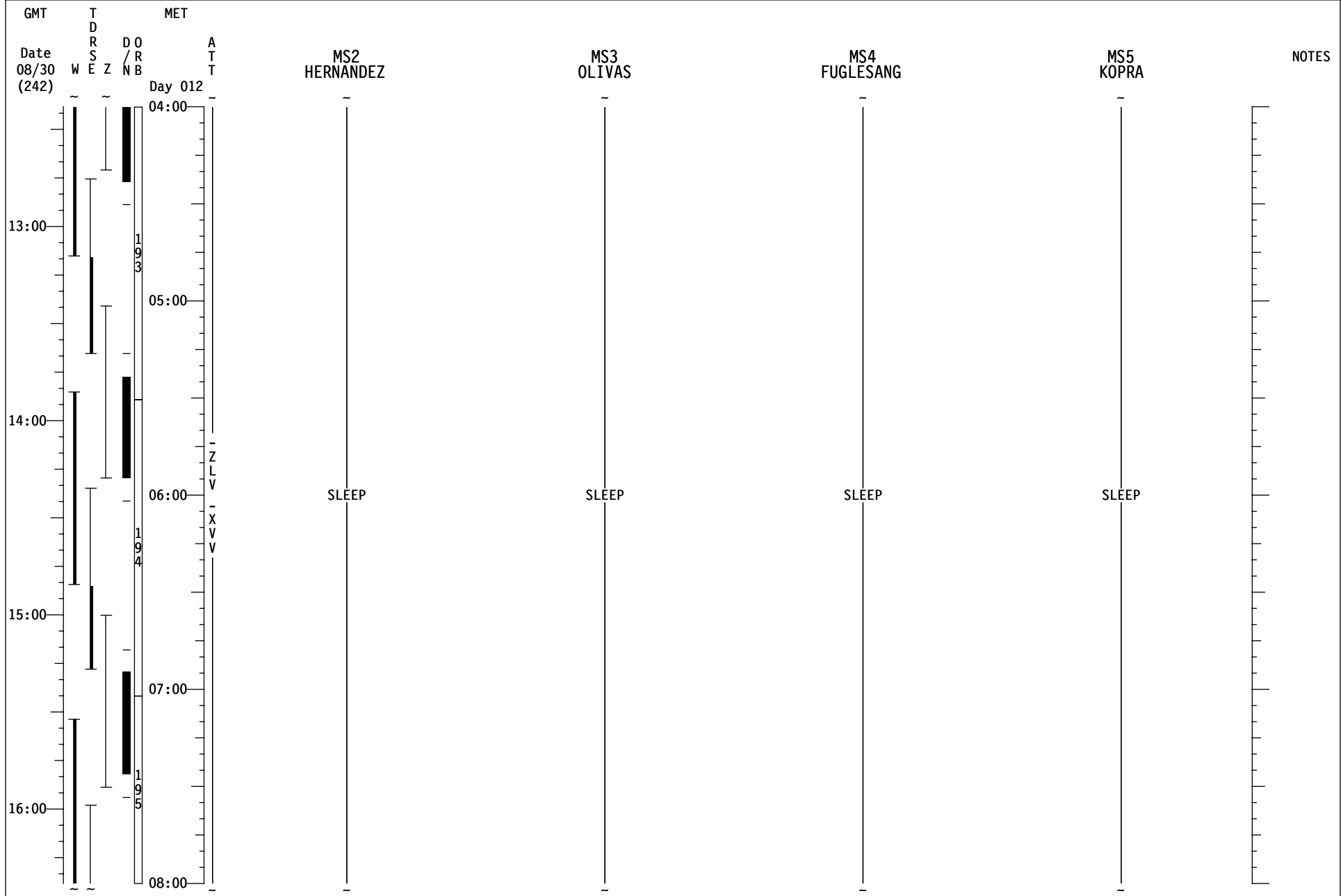
STS-128/17A FD13



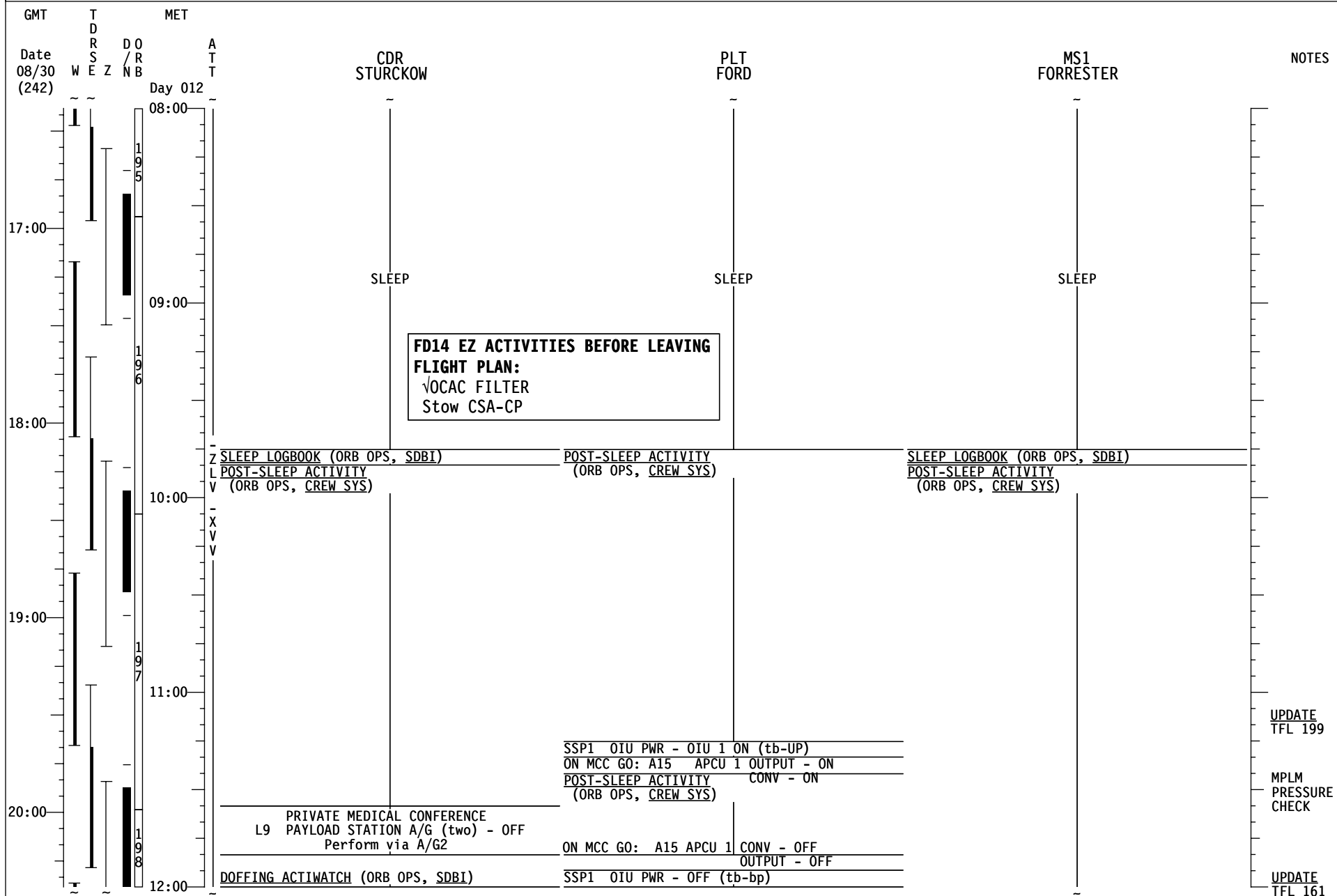
STS-128/17A FD13



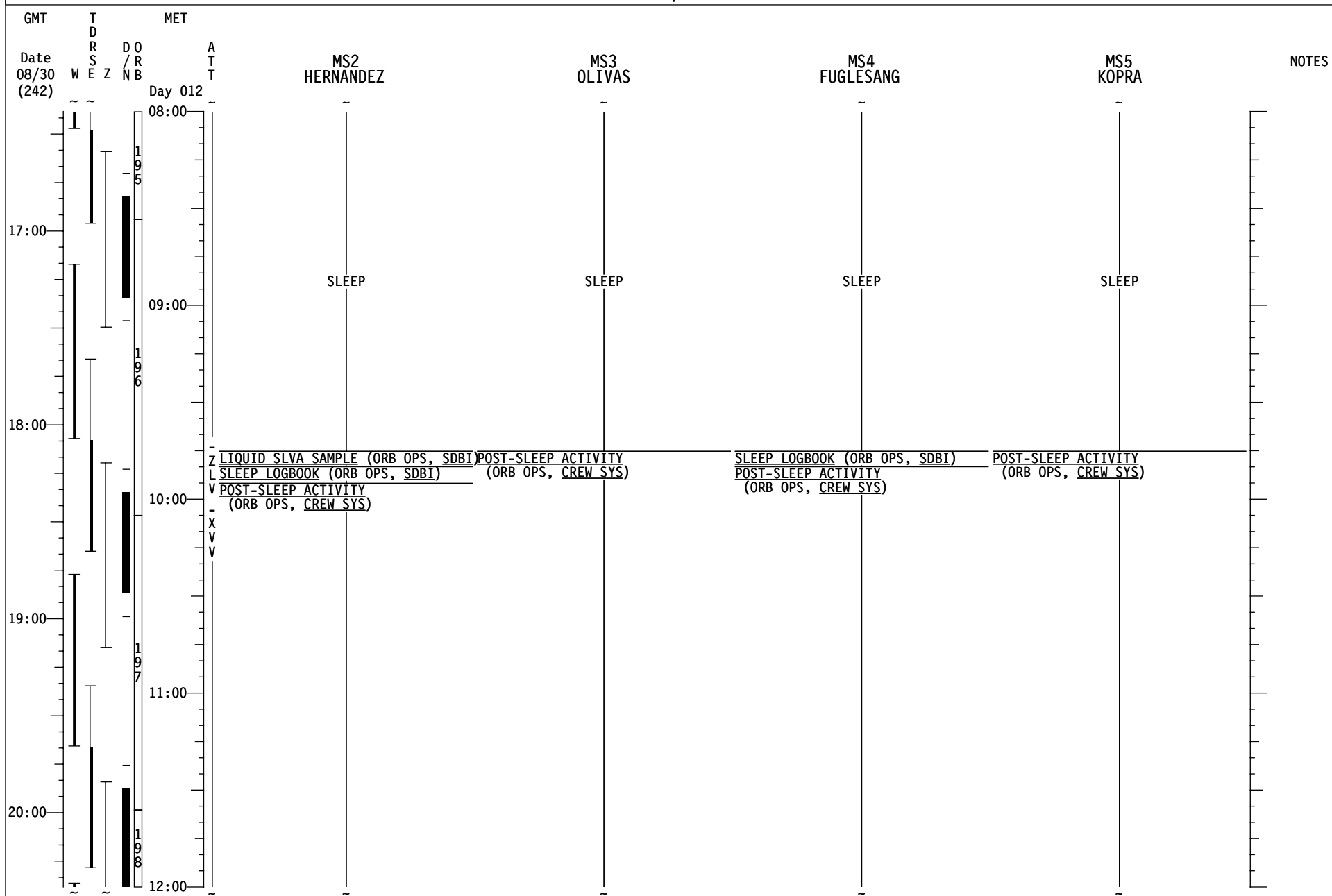
STS-128/17A FD13



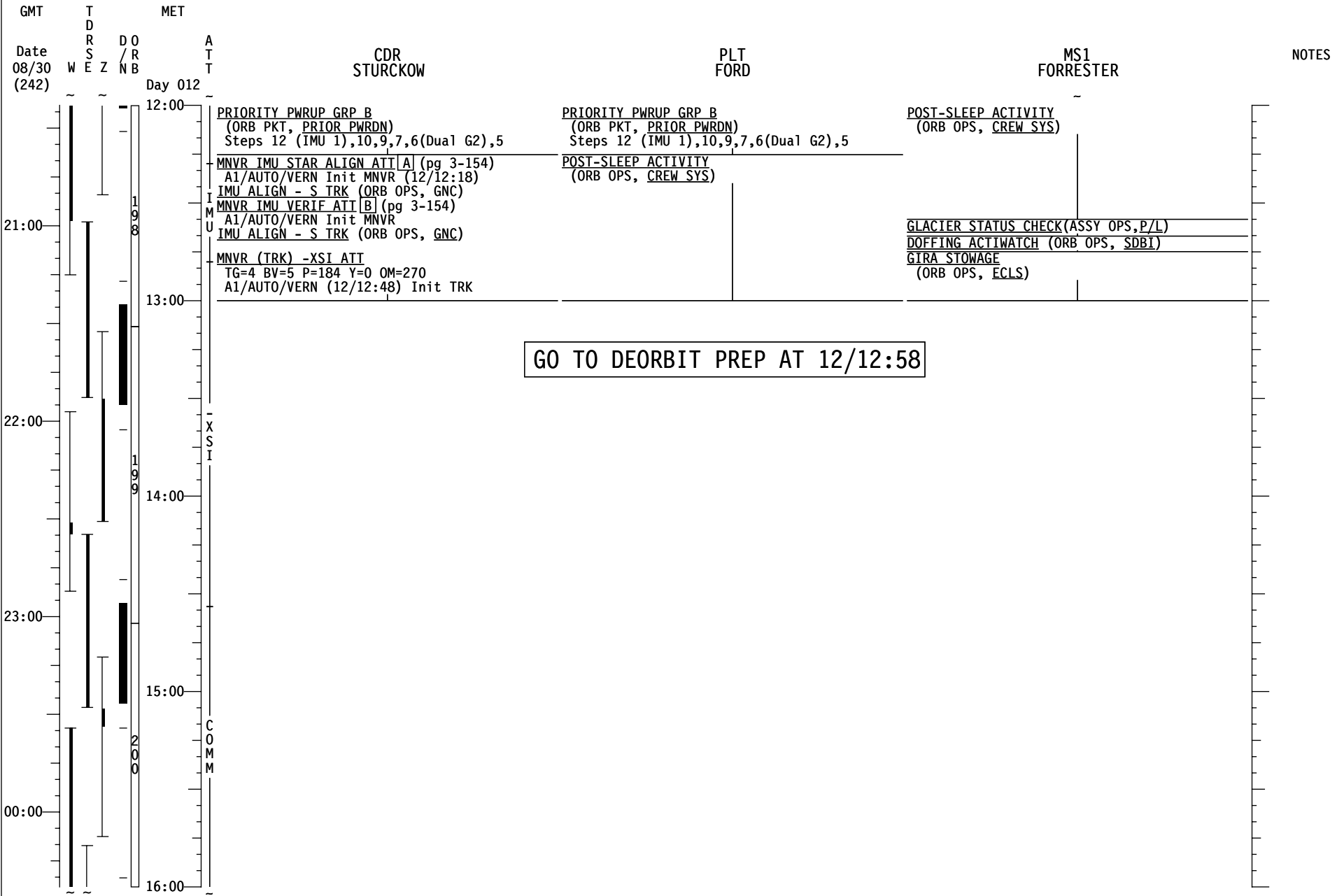
STS-128/17A FD14



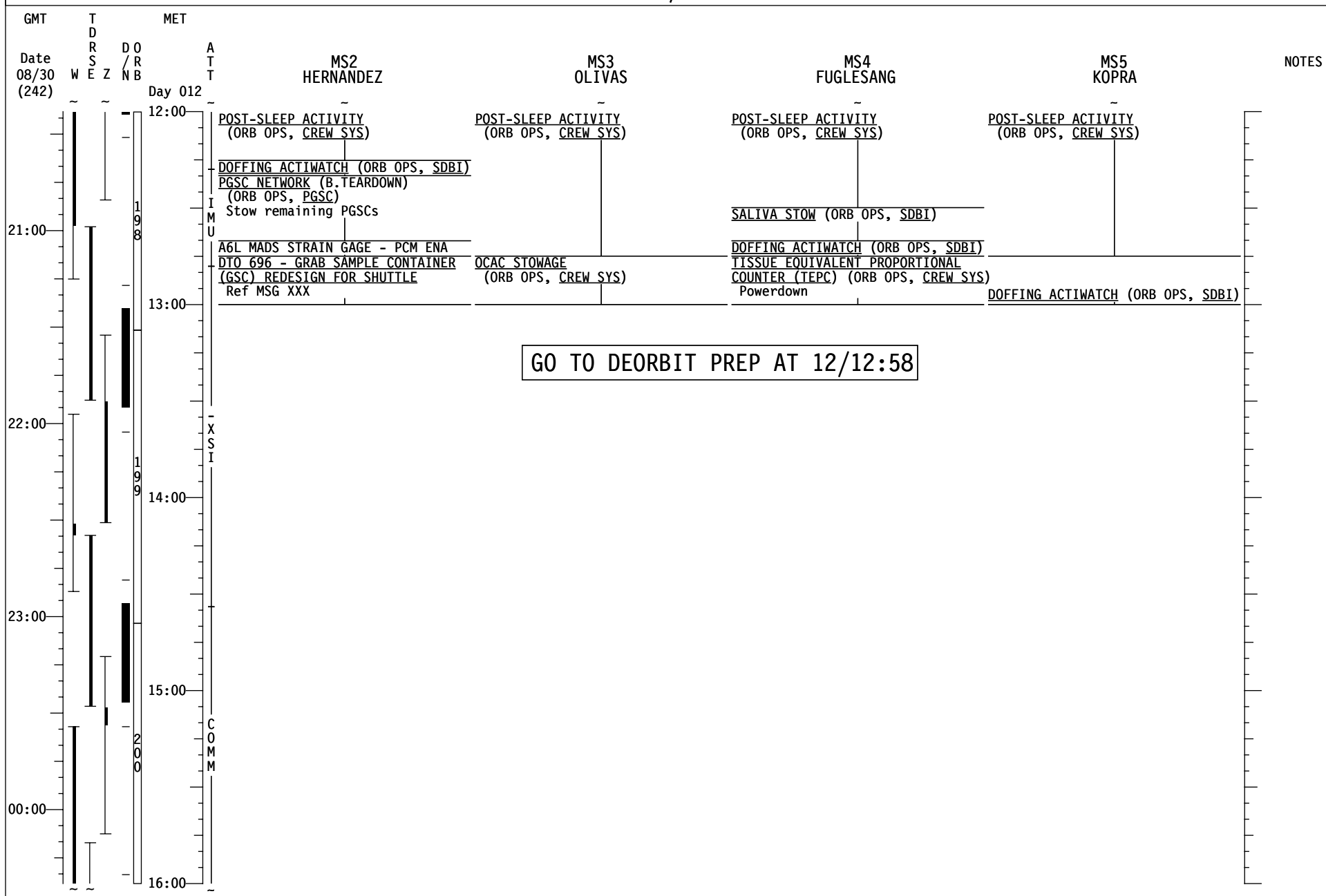
STS-128/17A FD14



STS-128/17A FD14



STS-128/17A FD14



A <u>IMU STAR ALIGN PAD</u>		
ID: -Y: 19 SPICA MET (12/12:25 TO 12/13:15)		
ID: -Z: 12 CANOPUS MET (12/12:11 TO 12/12:55)		
ANG DIFF: 90.2		
DUAL S TRKR <u>ALIGNMENT</u>	2nd ATTITUDE (SINGLE S TRKR) -Z: 19 -Y: 12	
R 73 P 71 Y 312	R 337 P 63 Y 318	174 87 318
REQD ID:		
-Y: ____, -Z: ____, ANG ERR ____, ____		
ANG:	1	2 3
ΔX	() __, __	() __, __ () __, __
ΔY	() __, __	() __, __ () __, __
ΔZ	() __, __	() __, __ () __, __
EXECUTION TIME: __/__:__:__ MET		

B <u>IMU VERIFICATION STAR ALIGN PAD</u>		
ID: -Y: 99 GAMMA GRUIS MET (12/12:42 TO 12/13:32)		
ID: -Z: 53 MENKENT MET (12/12:26 TO 12/13:15)		
ANG DIFF: 85.9		
DUAL S TRKR <u>ALIGNMENT</u>	2nd ATTITUDE (SINGLE S TRKR) -Z: 99 -Y: 53	
R 323 P 82 Y 46	R 227 P 94 Y 50	55 77 28
REQD ID:		
-Y: ____, -Z: ____, ANG ERR ____, ____		
ANG:	1	2 3
ΔX	() __, __	() __, __ () __, __
ΔY	() __, __	() __, __ () __, __
ΔZ	() __, __	() __, __ () __, __
EXECUTION TIME: __/__:__:__ MET		



FLIGHT PLAN

STS
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