

# Flight Plan

## STS-120/10A

(FRR Flight Cycle Trajectory)

### Mission Operations Directorate Operations Division

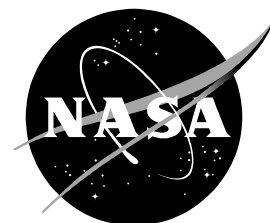
**Final**  
**October 4, 2007**

For the latest working copy of the Flight Plan, visit  
<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=120>

EVENT	FD	MET	LOCAL DATE	CDT	GMT
Launch	1	0/00:00	10/23/2007	10:38	296/15:38
OBSS Survey	2	0/17:15	10/24/2007	03:53	297/08:53
Docking	3	1/20:55	10/25/2007	07:33	298/12:33
EVA 1	4	2/18:50	10/26/2007	05:28	299/10:28
Node 2 Install	4	2/23:05	10/26/2007	09:43	299/14:43
Node 2 Hatch Open	5	3/20:30	10/27/2007	07:08	300/12:08
EVA 2	6	4/18:20	10/28/2007	04:58	301/09:58
P6 Handoff	7	5/15:30	10/29/2007	02:08	302/07:08
EVA 3	8	6/17:50	10/30/2007	04:28	303/09:28
P6 SAW Deploy	8	7/01:05	10/30/2007	11:43	303/16:43
EVA 4	10	8/16:50	11/01/2007	03:28	305/08:28
EVA 5	11	9/16:20	11/02/2007	02:58	306/07:58
Undocking	13	11/13:53	11/04/2007	00:31	308/05:31
Late Inspection	13	11/17:20	11/04/2007	03:58	308/08:58
Landing	15	13/18:09	11/06/2007	04:47	310/09:47

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-120**

FINAL  
October 4, 2007

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Incorporates the following:
482#: FLT PLN-2047

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Lead Pointer	DO4/M. Stocco	281-244-1023

FLIGHT PLAN  
STS-120

**LIST OF EFFECTIVE PAGES**

FINAL 10/04/07

Sign Off .....	*	120/FIN	2-37 .....	120/FIN
ii.....	*	120/FIN	2-38 .....	120/FIN
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## INTRODUCTION

The STS-120 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-17462-120, STS-120 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints
- NSTS-21477, ISS 10A 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-120 Flight Plan is based on a launch date of October 23, 2007 at 15:38 GMT (10:38 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:

- CR S063537F: Waiver for SCSC 3.5.2, Number of EVA days greater than non-EVA days
- CR S063537G: Waiver for SCSC 3.2a, Planned EVA exceeds 6.5 hours

The Flight Plan and other related mission information are available on the following Space Shuttle Flight Planning web site:

<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=120>

OVERVIEW TIMELINE

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# STS-120/10A Overview Timeline (14+0+2)

Launch: 10/23/07 15:38 GMT

MET		00/0																								
		1	2	3	4	5	6	7	8	9	10	11	12													
FD01	STS									ASC	PI	Setups	PSA	Sleep												
	Orb Att									ASC	-ZLV +YVV			-ZLV -XVV												
		^OMS 2						^NC1(0/02:52)																		
MET		0/12	13	14	15	16	17	18	19	20	21	22	23	01/0	1	2	3	4	5	6	7	8	9	10	11	12
FD02	STS				PSA														PSA							
	Orb Att				-ZLV -XVV						Survey						Comm									-ZLV -XVV
		^NC2(0/17:14)											^NC3 (1/03:49)													
MET		1/12	13	14	15	16	17	18	19	20	21	22	23	02/0	1	2	3	4	5	6	7	8	9	10	11	12
FD03	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		2/12	13	14	15	16	17	18	19	20	21	22	23	03/0	1	2	3	4	5	6	7	8	9	10	11	12
FD04	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		3/12	13	14	15	16	17	18	19	20	21	22	23	04/0	1	2	3	4	5	6	7	8	9	10	11	12
FD05	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		4/12	13	14	15	16	17	18	19	20	21	22	23	05/0	1	2	3	4	5	6	7	8	9	10	11	12
FD06	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		5/12	13	14	15	16	17	18	19	20	21	22	23	06/0	1	2	3	4	5	6	7	8	9	10	11	12
FD07	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		6/12	13	14	15	16	17	18	19	20	21	22	23	07/0	1	2	3	4	5	6	7	8	9	10	11	12
FD08	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		7/12	13	14	15	16	17	18	19	20	21	22	23	08/0	1	2	3	4	5	6	7	8	9	10	11	12
FD09	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		8/12	13	14	15	16	17	18	19	20	21	22	23	09/0	1	2	3	4	5	6	7	8	9	10	11	12
FD10	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		9/12	13	14	15	16	17	18	19	20	21	22	23	10/0	1	2	3	4	5	6	7	8	9	10	11	12
FD11	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		10/12	13	14	15	16	17	18	19	20	21	22	23	11/0	1	2	3	4	5	6	7	8	9	10	11	12
FD12	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		11/12	13	14	15	16	17	18	19	20	21	22	23	12/0	1	2	3	4	5	6	7	8	9	10	11	12
FD13	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		12/12	13	14	15	16	17	18	19	20	21	22	23	13/0	1	2	3	4	5	6	7	8	9	10	11	12
FD14	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								
MET		13/12	13	14	15	16	17	18	19	20	21	22	23	14/0	1	2	3	4	5	6	7	8	9	10	11	12
FD15	STS				PSA																					
	Orb Att				-ZLV -XVV																					
		^NH ^NC4 ^TI(1/18:16) ^Docking (1/20:55)																								

^D/O TIG 13/17:07

^KSC Landing 13/18:09

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SUMMARY TIMELINE AND ISS SHORT TERM PLAN

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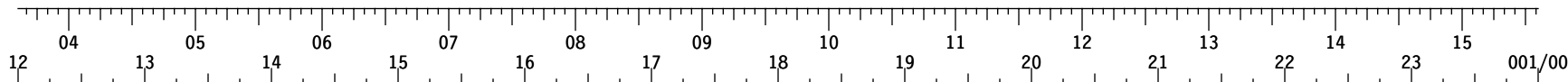


GMT 10/23/07 (296)  
 MET Day 000



STS - 120	<b>FD01</b>	ASCENT	POST INSERTION	NC1Δ OMS BURN	-ZLV -XVV	GRBDN PRDU	AFITCO EVPK	PRE SLEEP	PMC A/G	PRE SLEEP	WATCH	SLEEP					
	<b>R1</b> PLT ZAMKA	ASCENT	POST INSERTION	OMS BURN	RMS*	GRBDN PRDU	RMWRUP RMS C/O	TEPCON BLDORF	PRE SLEEP	WATCH	SLEEP						
	<b>MS1</b> PARAZYNSKI	ASCENT	POST INSERTION	PGSC SETUP				PRE SLEEP	WATCH	SLEEP							
	<b>R2</b> MS2 WILSON	ASCENT	POST INSERTION	P/TV01 VIDEO SETUP	DCCS	RMS C/O	RMS	PRE SLEEP	WATCH	SLEEP							
	<b>MS3</b> WHEELock	ASCENT	POST INSERTION	GIRA INSTALL	WLES ACT	ETPHOTO UMB WELL D/L	HVID HIDL E/O	PRE SLEEP	WATCH	SLEEP							
	<b>MS4</b> NESPOLI	ASCENT	POST INSERTION	PGSC SETUP				OSCE ATCUP	PRE SLEEP	WATCH	SLEEP						
	<b>MS5</b> TANI	ASCENT	POST INSERTION	FRED SETUP	PRE SLEEP	SEE SETUP	PRE SLEEP		WATCH	SLEEP							
DAY/NIGHT				2		3		4		5		6		7		8	
ORBIT				2		3		4		5		6		7		8	
DAILY ORBIT				7		8		9		10		11		12		13	
TDRS		W -171 E -46 Z -275															
ORB ATT		ASCENT		NC1		*ON-ORBIT INIT		^PRECRADLE		*RECONFIG						-ZLV -XVV	
NOTES				*ACT		*ON-ORBIT INIT		^PRECRADLE		*RECONFIG							

GMT 10/24/07 (297)  
 Day 000



S T S - 1 2 0	<b>FD02</b> <b>R3</b> CDR MELROY	SLEEP	POST SLEEP	NC2Δ OMS BURN	-ZLV -XVV	IMU	MS TV RD	FC * SB	CRYO O2 SNSR CK	MNO V S R E	MEAL	MP NO V R T	PORT WING SRVY	
	<b>R2</b> PLT ZAMKA	SLEEP	POST SLEEP	OMS BURN	P/TV01 VIDEO SETUP			EXERCISE	NOSE CAP SURVEY		MEAL	PORT WING SRVY		
	<b>R2, R1</b> MS1 PARAZYNSKI	SLEEP	POST SLEEP	OBSS UNBERTH		STBD WING SRVY			EMU C/O PREP	MEAL	EMU C/O	EVA XFER PREP ISS		
	<b>R2, R1</b> MS2 WILSON	SLEEP	POST SLEEP	P/TV01 VIDEO SETUP			STBD WING SRVY		NOSE CAP SURVEY		MEAL	PORT WING SRVY		
	<b>MS3</b> WHELOCK	SLEEP	POST SLEEP	ERG SETUP	EXERCISE			EMU C/O PREP	MEAL	EMU C/O	EVA XFER PREP ISS			
	<b>R1, R2</b> MS4 NESPOLI	SLEEP	POST SLEEP	OBSS UNBERTH		STBD WING SRVY			NOSE CAP SURVEY		MEAL	CDM BAT	UN ST O W *	EXERCISE
	<b>MS5</b> TANI	SLEEP	POST SLEEP	ERG SETUP	EXERCISE			SAFER C/O	MEAL	* EMU C/O	EVA XFER PREP ISS			

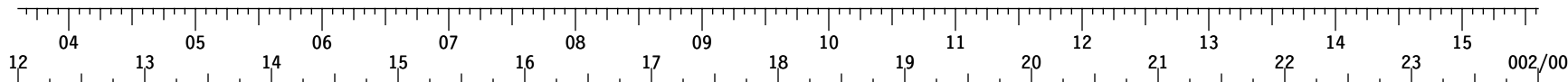
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ORBIT	9		10		11		12		
DAILY ORBIT	14	15	16	1	2	3	4	5	
TDRS	W -171	E -46	Z -275	W -171	E -46	Z -275	W -171	E -46	Z -275
ORB ATT	-ZLV -XVV			NC2	OBSS	STBD	NOSE	PORT	
NOTES	*REG RCNFG				*MANUAL PURGE ^CNTLR SWAP		*SALIVA * EMU C/O COMM		

GMT 10/24/07 (297)  
 MET Day 001



STS-120	<b>FD02</b>	* BIZASI	EXERCISE	CWC S/U		PRE SLEEP	NC3 Δ	ZLXVVR	PRE SLEEP	PMC A/G	PRE SLEEP		SLEEP
	PLT ZAMKA	⊕ OBSS BERTH	FCMS OPS			PRE SLEEP	RCS BURN		PRE SLEEP				SLEEP
	MS1 PARAZYNSKI	♦		EXERCISE		RNDZ TOOLS C/O			PRE SLEEP				SLEEP
	MS2 WILSON	⊗ OBSS BERTH	C/L CAMR INST	ODS RING EXT	OMS POD SURV		EXERCISE		PRE SLEEP				SLEEP
	MS3 WHEELLOCK	▼	C/L CAMR INST	ODS RING EXT		TRANSFER PREP			PRE SLEEP				SLEEP
	MS4 NESPOLI			LDR1 PLBK		RNDZ TOOLS C/O			PRE SLEEP				SLEEP
	MS5 TANI	Δ		FILTER CLEANING	UNSTOWN*				PRE SLEEP				SLEEP
DAY/NIGHT		[Timeline bar with day/night indicators]											
ORBIT		[Timeline bar with orbit indicators]											
DAILY ORBIT		[Timeline bar with daily orbit indicators]											
TDRS		[Timeline bar with TDRS indicators]											
ORB ATT		BIAS -ZSI, NC3, *ACT, -ZLV -XVV											
NOTES		*PORT WING SRVY, ⊕PORT WING SRVY, ΔEVA XFER PREP ISS											

GMT 10/25/07 (298)  
 Day 001



S T S - 1 2 0	<b>FD03 R2</b> CDR MELROY	SLEEP	^ MNVR POST SLEEP	IRWR MURB	ΔNH ΔNC4 ΔT1				ARPM	APPROACH T/L	HATCH LEAK CK	ODS PREP	HATCH OPEN	WLCM	SFTY BRF	SV SE PRI TIF	OH B/ S/S	
	<b>R1</b> PLT ZAMKA	SLEEP	POST SLEEP	GRWR RPRB	ISS RNDZ OPS					APPROACH T/L	MNVR TEA	GRWR RPRB	A/T H/O	P/TV 04 S/U	P/TV 04 OPS	WLCM	SFTY BRF	OH B/ S/S
	<b>MS1</b> PARAZYNSKI	SLEEP	POST SLEEP	ISS RNDZ OPS					APPROACH T/L	POST RNDZ PGSC CNFG	PCS SETUP - STS			WLCM	SFTY BRF	EVA XFER ISS		
	<b>M1</b> MS2 WILSON	SLEEP	POST SLEEP	W I A N S I T T E	POST SLEEP	W T A S R T M E	POST SLEEP	COND CWC S/U	M C I U *	EXERCISE				WLCM	SFTY BRF	OBSS GRPL		
	<b>MS3</b> WHEELock	SLEEP	POST SLEEP	ISS RNDZ OPS					APPROACH T/L	DIDB FILL	*G N I N G	EMU RMVL	EXERCISE		XFER CARE PACK	SFTY BRF	EVA XFER ISS	
	<b>MS4</b> NESPOLI	SLEEP	POST SLEEP	ISS RNDZ OPS					APPROACH T/L			CDM BAT		DOCK ICOM	WLCM	SFTY BRF	IWIS S/U	
U P	<b>FE-2</b> TANI	SLEEP	POST SLEEP	ISS RNDZ OPS					APPROACH T/L	DIDB FILL	EMU RMVL	P/TV02 S/U	P/TV02 DOCK OPS		P L Y B K	P/TV 05 S/U	SFTY BRF	IELK RMVL & XFER
E X P 1 6	<b>ISS CDR</b> WHITSON	SLEEP (8.5)	POST SLEEP	PREP WORK	DPC	EXERCISE CEVIS	EXERCISE RED	IWIS RSU INST	MIDDAY-MEAL	V I I I D M E E R	H I T M E R	D V O I C D K E O	D W L D	HATCH LK CK-ISS	HATCH OPEN	WLCM	SFTY BRF	EVA XFER ISS
	<b>FE-1</b> MALENCHENKO	SLEEP (8.5)	POST SLEEP	PREP WORK	DPC	EXERCISE TVIS	EXERCISE VELO	VRFY P/TV S/U	MIDDAY-MEAL	4 P O H R O O T E M O	O R I E N T A T I O N		I W S S / U	E D B P R I M 1 M N T	I M P N - T 1	C M T I C O M	SFTY BRF	IELK RMVL & XFER
D N	<b>M2</b> FE-2 ANDERSON	SLEEP (8.5)	POST SLEEP	PREP WORK	DPC	EXERCISE RED	EXERCISE CEVIS	VRFY P/TV S/U	MIDDAY-MEAL	8 P O H R O O T E M O	A A T C R H S V R L S T	D E A C T	EVA	DCS CNFG	HATCH OPEN	A S K M P C M	SFTY BRF	OBSS GRPL

DOCKING

HARDMATE

DAY/NIGHT ORBIT

TDRS W -171 E -46 Z -275

ORB ATT SSRMS -ZLV -XVV -ZLV +YVV RNDZ BIAS -XLV -ZVV

Lab \*DEACT \*CLOSE \*ACT \*FILTER CK \*GALLEY MORNING \*DOCKING (01:20:55) \*GALLEY OVERNIGHT \*IELK INST

NOTES

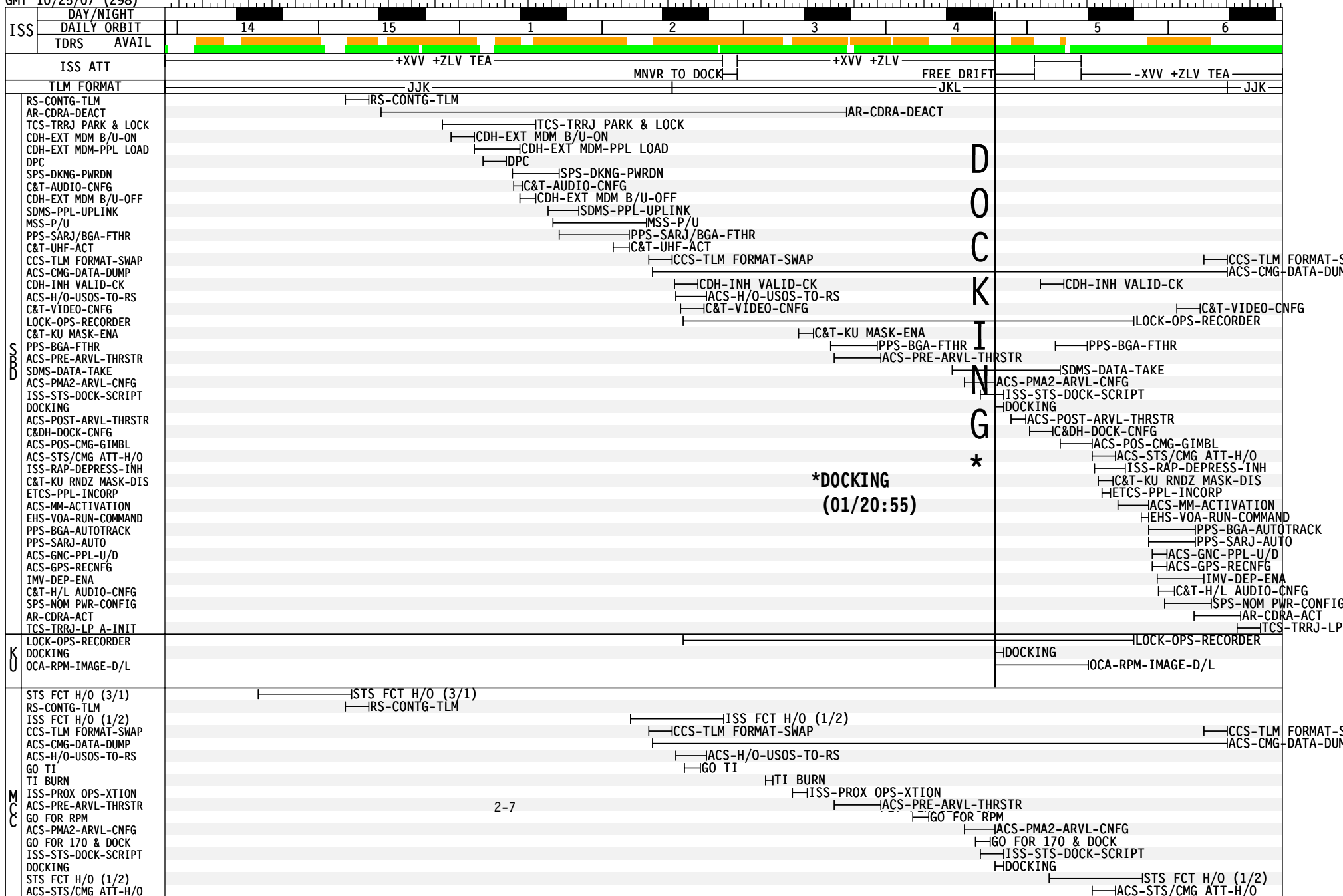
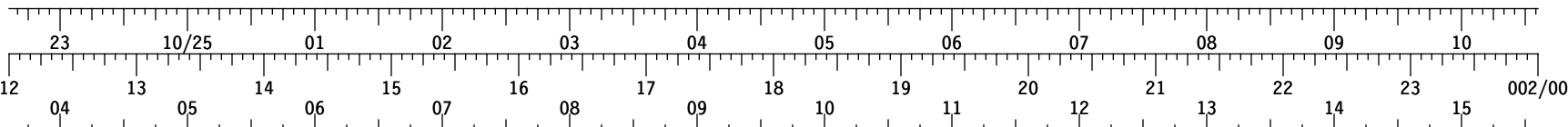
2-6 FLT PLN/120/FIN

CT 10/24/07 (297)

MET Day 001

FD03

GMT 10/25/07 (298)





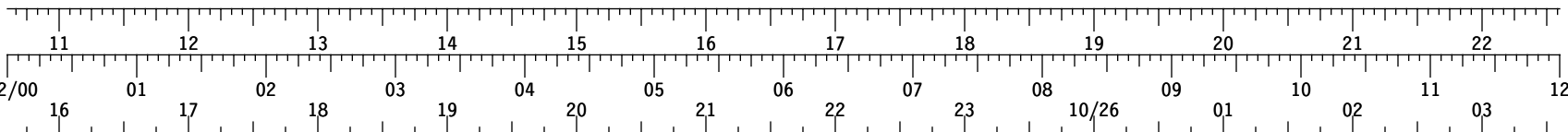
CT 10/25/07 (298)

β=

MET Day 002 002/00

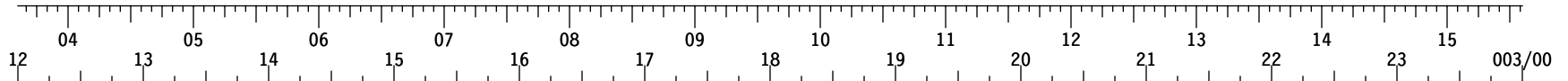
FD03

GMT 10/25/07 (298)



ISS	DAY/NIGHT	DAILY ORBIT	TDRS	AVAIL
ISS ATT				
TLM FORMAT		JJK		JKJ
RS-CONTG-TLM		IRS-CONTG-TLM		IRS-CONTG-TLM
SDMS-DATA-DUMP				ISDMS-DATA-DUMP
SPS-PWRDOWN		SPS-PWRDOWN		
PMC		IPMC		
IATCS-LTL RFCA-TERM		IATCS-LTL RFCA-TERM		
PPS-SARJ/BGA-FTHR		PPS-SARJ/BGA-FTHR		
MSS-CAMERA-STOW		MSS-CAMERA-STOW		
EHS-VOA-RUN-COMMAND		EHS-VOA-RUN-COMMAND		EHS-VOA-RUN-COMMAND
CCS-TLM FORMAT-SWAP		CCS-TLM FORMAT-SWAP		CCS-TLM FORMAT-SWAP
IATCS-MTL FLOW-ADJUST		IATCS-MTL FLOW-ADJUST		
C&T-AUDIO-CNFG		C&T-AUDIO-CNFG		
ACS-CMG-DATA-DUMP				IACS-CMG-DATA-DUMP
DPC		IDPC		
ACS-CMGTA-TO-DRIFT		IACS-CMGTA-TO-DRIFT		
LOCK-OPS-RECORDER		LOCK-OPS-RECORDER		
PPS-SARJ/BGA-AUTO		PPS-SARJ/BGA-AUTO		
ACS-H/O-RS-TO-US-MM		IACS-H/O-RS-TO-US-MM		
EVA-10.2 PSI OP-INIT		EVA-10.2 PSI OP-INIT		
IATCS-RFCA STPT-CHNG		IATCS-RFCA STPT-CHNG		
OIU TO NC PPL-U/L		OIU TO NC PPL-U/L		
SPS-PWRUP		SPS-PWRUP		
ND1-MECH A/S PPL-U/L		ND1-MECH A/S PPL-U/L		
NIP-CBM PREP-MATE		NIP-CBM PREP-MATE		
EVA-A/L CAMPOUT-CNFG		EVA-A/L CAMPOUT-CNFG		
MSS-P/D		MSS-P/D		
N1-PORT ACBM-INSPECT				N1-PORT ACBM-INSPECT
HMS-DEFIB DLY-CMD				HMS-DEFIB DLY-CMD
C&T-UHF-INDEX CHANGE				C&T-UHF-INDEX CHANGE
LOCK-OPS-RECORDER		LOCK-OPS-RECORDER		
N1-PORT ACBM-INSPECT				N1-PORT ACBM-INSPECT
EHS-VOA-RUN		EHS-VOA-RUN		EHS-VOA-RUN
RS-CONTG-TLM		IRS-CONTG-TLM		IRS-CONTG-TLM
NO-EXERCISE		NO-EXERCISE		
ISS FCT H/O (2/3)		ISS FCT H/O (2/3)		
SPS-PWRDOWN		SPS-PWRDOWN		
STS-KU MASK-UPDATE		STS-KU MASK-UPDATE		
CCS-TLM FORMAT-SWAP		CCS-TLM FORMAT-SWAP		CCS-TLM FORMAT-SWAP
ACS-CMG-DATA-DUMP				IACS-CMG-DATA-DUMP
ACS-CMGTA-TO-DRIFT		IACS-CMGTA-TO-DRIFT		
IWIS-THRUSTER-TEST		IWIS-THRUSTER-TEST		
ACS-H/O-RS-TO-US-MM		IACS-H/O-RS-TO-US-MM		
SPS-PWRUP		SPS-PWRUP		
NIP-CBM PREP-MATE		NIP-CBM PREP-MATE		
N1-PORT ACBM-INSPECT				N1-PORT ACBM-INSPECT
STS FCT H/O (2/3)				STS FCT H/O (2/3)
ISS FCT H/O (3/1)				ISS FCT H/O (3/1)
HMS-DEFIB DLY-CMD				HMS-DEFIB DLY-CMD
C3P-A6-PARTIAL CHR		C3P-A6-PARTIAL CHR		
EMCS-RESOURCES-CMD				EMCS-RESOURCES-CMD
ALTEA-DOSI-OPS		2-9	FLI PLN/120/F	ALTEA-DOSI-OPS
CGBA5-PL-RES TRACK				CGBA5-PL-RES TRACK
EXPRS3-SYS-PWR/THERM				EXPRS3-SYS-PWR/THERM
MULT-RUN-PART2				MULT-RUN-PART2

GMT 10/26/07 (299)  
 Day 002



STATION	12	13	14	15	16	17	18	19	20	21	22	23	15			
STS-120	FD04 R3 CDR MELROY	SLEEP	POST SLEEP	POST SLEEP	EXERCISE	PWR FILL #1	N2 XFER INIT	MEAL	P/TV EVA							
	R3 PLT ZAMKA	SLEEP	POST SLEEP	EXERCISE	P/TV EVA/SSRMS			MEAL	P/TV EVA	P/TV EVA/SSRMS	<b>EVA 1 (6:30)</b>					
	EV1 MS1 PARAZYNSKI	SLEEP (A/L)	POST SLEEP	HYGN BRK/PREBRTHE	CAMP OUT EVA PREP	EMU PBRTHE	C/L DPRS	SASA RETRV	NODE PREP UBRTH	SASA STOW	NODE PREP FOR UNBRTH	DISCONN Z1/P6 FLUID				
	M1,M2 MS2 WILSON	SLEEP	POST SLEEP	EXERCISE	TRANSFER	SASA STOW		MEAL	ND2 GRPL	ND2 UNBERTH INSTL						
	EV2 MS3 WHEELLOCK	SLEEP (A/L)	POST SLEEP	HYGN BRK/PREBRTHE	CAMP OUT EVA PREP	EMU PBRTHE	C/L DPRS	SASA RETRV	SASA STOW	NODE PREP FOR UNBRTH		P6 AFT RAD SHROUD				
	IV MS4 NESPOLI	SLEEP	POST SLEEP	HYG BRK/HATCH CLS	CAMP OUT EVA PREP	EMU PBRTHE	C/L DPRS	IV SUPPORT								
	M3 FE-2 DN ANDERSON	SLEEP (8.5)	POST SLEEP	PREP WORK	EXERCISE TVIS	SASA STOW		MIDDAY-MEAL	FFQ	ND2 GRPL	ND2 UNBERTH INSTL					
EXP 16	IV2 ISS CDR WHITSON	SLEEP (8.5)	POST SLEEP	HYG BRK/HATCH CLS	CAMP OUT EVA PREP	EMU PBRTHE	C/L DPRS	MIDDAY-MEAL	WDS FILL	EXERCISE CEVIS						
	FE-1 MALENCHENKO	SLEEP (8.5)	POST SLEEP	PREP WORK	HADPC SOKOL CK	SD OR KY OL	VORATION	EXERCISE TVIS	N2 XFER INIT	GL O MIDDAY-MEAL	SC O L K S C R S U P	CSA-CP C/O	CSA-CP C/O	CCBP INVENTORY		
UP	M2,M1 FE-2 UP TANI	SLEEP (8.5)	POST SLEEP	PREP WORK	TH V I O S SOKOL CK	ADAPTATION		SASA STOW		MIDDAY-MEAL	CH E V O I S	ND2 GRPL	ND2 UNBERTH INSTL			
DAY/NIGHT ORBIT		40	41	42	43	44	45	46	47	48						
TDRS		W -171	E -46	Z -275												
ORB ATT SSRMS		BIAS -XLV -ZVV Lab														
NOTES		2-10						*FILTER CK			No RED/VELO/STS Exercise SASA retrieve APFR FLT PLN/120/FIN			No RED/VELO/STS Exercise Z1/P6 fluid APFR		

P6 SHRD  
 EXERCISE

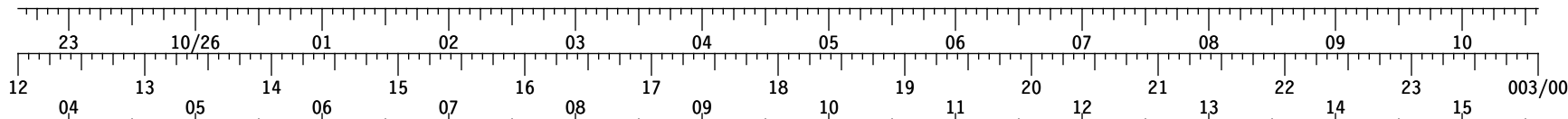


CT 10/25/07 (298)

MET Day 002

FD04

GMT 10/26/07 (299)



ISS	DAY/NIGHT	[Day/Night Cycle]											
	DAILY ORBIT	14	15	16	1	2	3	4	5	6			
	TDRS AVAIL	[TDRS Availability]											

ISS ATT -XVV +ZLV TEA

TLM FORMAT -JKJ -JJK -JJJ

S D B P U	RS-CONTG-TLM	-----											
	PPS-PCU-DISCHARGE	-----											
	C&T-VIDEO-CNFG	-----											
	VDS-WETA-ACT	-----											
	EVA-HYG BRK/PREBRTHE	-----											
	ACS-AUTO H/O RS-INH	-----											
	CCS-TLM FORMAT-SWAP	-----											
	MSS-P/U	-----											
	A/L-RAP DPRS-ENA	-----											
	PPS-PCU FDIR-ENA	-----											
	PPS-P6 BGA-LOCK	-----											
	EVA-RAP DPRS-INH	-----											
	EVA1 INHIBIT PAD	-----											
	EHS-VOA RPC-OPEN	-----											
	EVA-10.2 PSI OP-TERM	-----											

WDS-ACTIVATION-FILL |-----|

K U M C C	RS-CONTG-TLM	-----											
	STS FCT H/O (3/1)	-----											
	ACS-AUTO H/O RS-INH	-----											
	CCS-TLM FORMAT-SWAP	-----											
	EVA1 INHIBIT PAD	-----											
	ISS FCT H/O (1/2)	-----											
	STS-KU MASK-UPDATE	-----											

NO-RED-VELO-STS-EXER |-----|

DPC |-----|

STS FCT H/O (1/2) |-----|

P L S Y	ALTEA-DOSI-OPS	-----											
	CGBA5-PL-RES TRACK	-----											
	EMCS-RESOURCES-CMD	-----											
	EXPRS3-SYS-PWR/THERM	-----											
	MELFI-DEWAR 1-OPS	-----											
	MELFI-DEWAR 2-OPS	-----											
	MELFI-DEWAR 3-OPS	-----											
	MELFI-DEWAR 4-OPS	-----											
	MULT-RUN-PART2	-----											
	XPRS4-SYS-PWR/THERM1	-----											

PRO-MULT-FILE-CMD |-----|

MULT-FILEUP-CMD |-----|

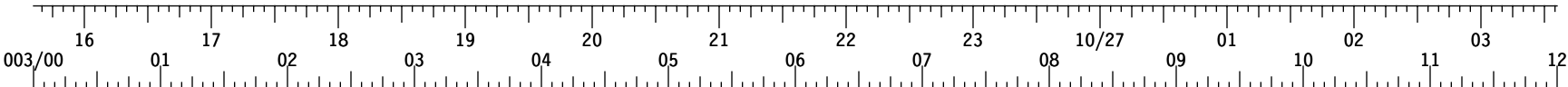
HRF-PC1 & UOP-TRK |-----|

ICGBA5-PARAM-CMD |-----|

NOTES 2-11 FLT PLN/120/FIN

ALTEA-DOSI-OPS  
CGBA5-PL-RES TRACK  
EMCS-RESOURCES-CMD  
EXPRS3-SYS-PWR/THERM  
MELFI-DEWAR 1-OPS  
MELFI-DEWAR 2-OPS  
MELFI-DEWAR 3-OPS  
MELFI-DEWAR 4-OPS  
MULT-RUN-PART2  
XPRS4-SYS-PWR/THERM1

GMT 10/26/07 (299)  
 Day 003



S T S - 1 2 0	FD04	MUP NVD RAT	P/TV EVA/SSRMS				L C C	I M U	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	PLT ZAMKA	* V E R I F	CBM 1ST STG	CBM 2ND STG *	PRE SLEEP	N 1/2 VEST LEAK CK		PRE SLEEP		PRE SLEEP	SLEEP	
	MS1 PARAZYNSKI	P S H R D	SSU SHRD	INGRS	P R E P R S	POST EVA W/H2O,METOX		PRE SLEEP		PRE SLEEP	SLEEP	
	MS2 WILSON	ND2 UNBERTH INSTL	L I M P		B N U R D N A 2 G R P K E		X B F R E E F	PRE SLEEP		PRE SLEEP	SLEEP	
	MS3 WHEELock	⊕ SSU SHRD	INGRS	P R E P R S	POST EVA W/H2O,METOX		PRE SLEEP		PRE SLEEP	SLEEP		
	MS4 NESPOLI	IV SUPPORT		P R E P R S	POST EVA W/H2O,METOX	BSA BATT INIT	PRE SLEEP		PRE SLEEP	SLEEP		
	FE-2 DN ANDERSON	ND2 UNBERTH INSTL	CBM 1ST STG	CBM 2ND STG *	IMS EDIT	PREP WORK	N 1/2 VEST LEAK CK		PRE SLEEP		SLEEP (8.5)	
E X P 1 6	ISS CDR WHITSON	EXERCISE RED	FFQ	P R E P R S	POST EVA W/H2O,METOX		D P R E P W O R K	D P C P R E P W O R K	PRE SLEEP	SLEEP (8.5)		
	FE-1 MALENCHENKO	VELO	O R E N T A T I O N	C O X M N T	C E X E R C I S E	P R O P E R K	C B C S R M V L	P R E P W O R K	D P C P R E P W O R K	PRE SLEEP	SLEEP (8.5)	
U P	FE-2 UP TANI	ND2 UNBERTH INSTL	L I M P	A D A P T	B N U R D N A 2 G R P K E		P M C F F Q	P R E P W O R K	D P C P R E P W O R K	PRE SLEEP	SLEEP (8.5)	



NOTES \*P/TV EVA/SSRMS \*AND A BOLTS  
 @P6 AFT RAD SHROUD  
 No Exercise from CBM  
 RTL to A-Bolts complete.

2-12

FLT PLN/120/FIN

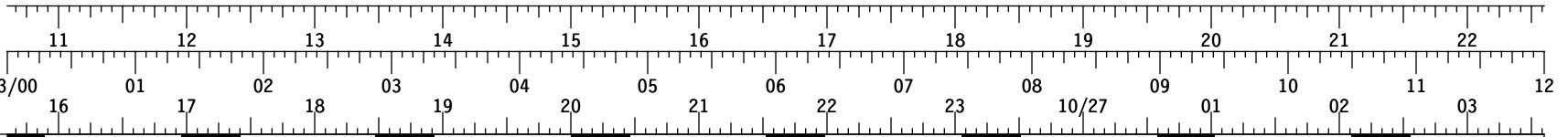
CT 10/26/07 (299)

β =

MET Day 003 003/00

FDO4

GMT 10/26/07 (299)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]														
	DAILY ORBIT	6	7	8	9	10	11	12	13	14						
	TDRS AVAIL	[Bar chart showing TDRS availability]														

ISS ATT -XVV +ZLV TEA

TLM FORMAT JJJ JKK JJK

S B R S	A/L-MTX REGEN-CNFG	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	CCS-TLM FORMAT-SWAP	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	ACS-GNC-PPL-U/D	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	RS-CONTG-TLM	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	PPS-P6 BGA-OPEN LOOP	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	TCS-TRRJ-LP A-AUTO	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	CBM BOLT LOADING	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	TCS-TRRJ-LP B-ENGAGE	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	VDS-WETA-DEACT	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	POST-EVA-SUPPORT	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	PMC	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	C&T-VIDEO-DECONFIG	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	TCS-TRRJ-LP B-AUTO	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	DPC	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													

K	CHECS-KU D/L-CMD															CHECS-KU
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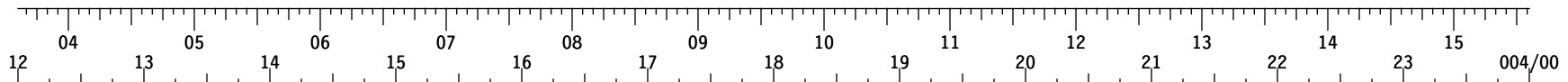
M C	CCS-TLM FORMAT-SWAP	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	NO-EXERCISE	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	ISS FCT H/O (2/3)	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	STS-KU MASK-UPDATE	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	RS-CONTG-TLM	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	CBM BOLT LOADING	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	ACS-AUTO H/O RS-ENA	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	CHECS-COMMANDING	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	STS FCT H/O (2/3)	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----													
	CHECS-KU D/L-CMD														

R	HMS-DEFIB DLY-CMD															CHECS-KU
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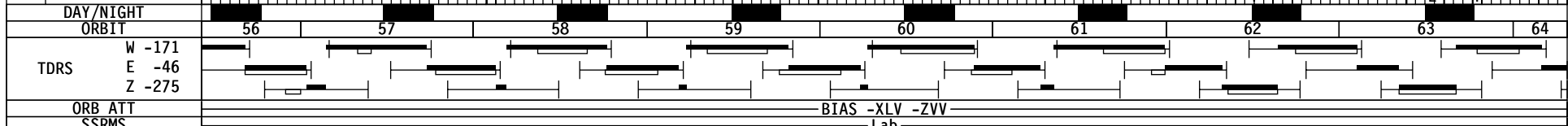
P	ALTEA-DOSI-OPS															ALTEA-DOSI-OPS
	CGBA5-PL-RES TRACK															CGBA5-PL-RES TRACK
	EMCS-RESOURCES-CMD															EMCS-RESOURCES-CMD
	EXPRS3-SYS-PWR/THERM															EXPRS3-SYS-PWR/THERM
	MELFI-DEWAR 1-OPS															MELFI-DEWAR 1-OPS
	MELFI-DEWAR 2-OPS															MELFI-DEWAR 2-OPS
	MELFI-DEWAR 3-OPS															MELFI-DEWAR 3-OPS
	MELFI-DEWAR 4-OPS	2-13														MELFI-DEWAR 4-OPS
	MULT-RUN-PART2															MULT-RUN-PART2
	XPRS4-SYS-PWR/THERM1															XPRS4-SYS-PWR/THERM1

S																
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GMT 10/27/07 (300)  
 Day 003



S T S - 1 2 0	FD05 R3, R2 CDR MELROY	SLEEP	LOG	POST SLEEP	DOUG RVW	POST SLEEP	OBSS FOCUSED INSPECT				C I W M C I T # 2	MEAL	C T W E R C # M 2	MNVR OBSS H/O	U N G L P	B E R T H					
	R1 PLT ZAMKA	SLEEP	LOG	POST SLEEP	DOUG RVW	POST SLEEP	OBSS FOCUSED INSPECT				MEAL		MNVR OBSS H/O	U N G L P	B E R T H						
	MS1 PARAZYNSKI	SLEEP	A L S O P G R N	POST SLEEP			T E R M *	EMU BATT INIT	EMU SWAP	TRANSFER			MEAL	EXERCISE		M E T X *	E/L PREP	*			
	M2, R2 MS2 WILSON	SLEEP	LOG	POST SLEEP	DOUG RVW	SSRMS MNVR FI	OBSS FOCUSED INSPECT				MEAL	MNVR OBSS PRE-G	G R A P L	LOW HVR	B E R T H						
	M1 MS3 WHEELock	SLEEP	A L S O P G R N	POST SLEEP	SSRMS MNVR FI	TRANSFER				X B F R E I R E F	MEAL	MNVR OBSS PRE-G	G R A P L	LOW HVR	B E R T H						
	MS4 NESPOLI	SLEEP	S L A D M *	POST SLEEP	M C I U *	EXERCISE	EMU SWAP	CDM BATT	ND2 VEST OUTFIT		AND2 Hatch Open ND2 INGRS & S/U		MEAL	E R M S U I Z E	M E T X B A T T	E/L PREP	®				
	FE-2 DN ANDERSON	SLEEP (8.5)	P H O T O M M *	POST SLEEP	D P C	P W C R O H E R R P K G	CBM CNTR DISK CVR	N1 CBM CPA RMV		HANDOVER		EXERCISE TVIS	MIDDAY-MEAL	I M S E D I T	DCS	▼					
E X P 1 6	ISS CDR WHITSON	SLEEP (8.5)	P H O T O M M *	POST SLEEP	D P C	CMS-PFE-SUBJ-CDR		SODF-EMER BOOK-DPLY	ND2 VEST OUTFIT	AND2 Hatch Open ND2 INGRS & S/U		MIDDAY-MEAL	ND2 INGRS & S/U	SDTO MPC							
	FE-1 MALENCHENKO	SLEEP (8.5)	P H O T O M M *	POST SLEEP	O R I E N T	D P C	O R I E N T A T I O N	P F E C M O	IMS_AUDIT		D33-2	P F C P	A S M P L	EXERCISE RED	MIDDAY-MEAL	O R E N T	B A 3 B D K X	COX MNT	Δ		
U P	FE-2 UP TANI	SLEEP (8.5)	P H O T O M M *	POST SLEEP	D P C	P R E P W O R K	CBM CNTR DISK CVR	ADAPTATION		HANDOVER		P M C	D R F K E R	A D A P T	I M M *	MIDDAY-MEAL	E R M S U I Z E	R C B O P T	A D A P T	E/L PREP	*



ORB ATT  
SSRMS

BIAS -XLV -ZVV  
Lab

NOTES

\*DEACT \*LIQUID CLCT \*FILTER CK \*BSA \*SALIVA S/U \*TERM \*EVA TOOL C

No Exercise During LCS FI

No Exercise while both arms grappled

2-14

FLT PLN/120/FIN

©UN GRAPL  
©UN GRAPL  
©EVA TOOL C

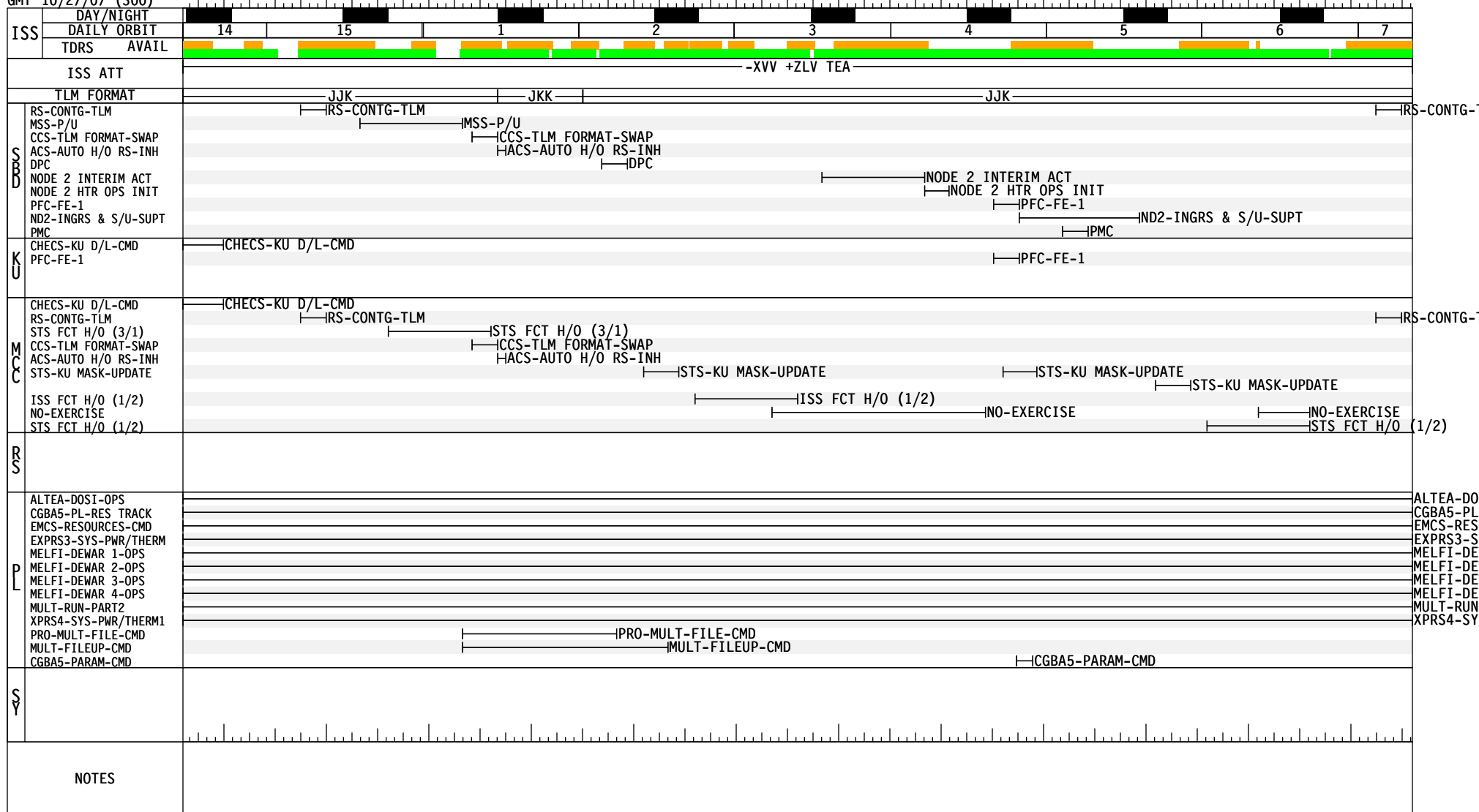
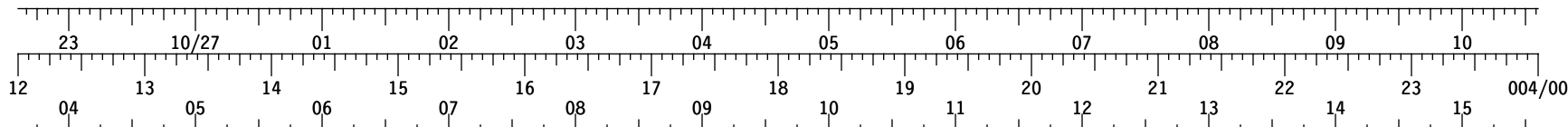
CT 10/26/07 (299)

β =

MET Day 003

FD05

GMT 10/27/07 (300)



GMT 10/27/07 (300)  
 Day 004



S T S - 1 2 0	FD05	CDR MELROY	PREARR DL	PREARR DL*	CX WFER	PREARR DL*	EVA PROCEDURE REVIEW	PE AV O E N T	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
		PLT ZAMKA	PREARR DL	PRE SLEEP	P/TV 05 S/U	EVA PROCEDURE REVIEW	PE AV O E N T	PRE SLEEP			SLEEP	
		MS1 PARAZYNSKI	EVA TOOL CONFIG	PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP			SLEEP (A/L)	
		MS2 WILSON	*	PDGF3 GRPL	EVA PROCEDURE REVIEW	PRE SLEEP					SLEEP	
		MS3 WHELOCK	⊕	PDGF3 GRPL	EVA PROCEDURE REVIEW	PE AV O E N T	PRE SLEEP				SLEEP	
		MS4 NESPOLI	EVA TOOL CONFIG	PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP			SLEEP	
		FE-2 DN ANDERSON	EXERCISE TVIS	LIQH RPLC	DPC	EVA PROCEDURE REVIEW	PE AV O E N T	PRE SLEEP	PFC	PRE SLEEP	SLEEP (8.5)	
E X P 1 6		ISS CDR WHITSON	EXERCISE RED	S U	DPC	EVA PROCEDURE REVIEW	PE AV O E N T	PS	PFC	PRE SLEEP	SLEEP (8.5)	
		FE-1 MALENCHENKO	EXERCISE CEVIS	DPC	EVA PROCEDURE REVIEW	PE AV O E N T	OR EX E R	PRE SLEEP		SLEEP (8.5)		
U P		FE-2 UP TANI	EVA TOOL CONFIG	RED H/O	PS DPC	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)		
DAY/NIGHT ORBIT												
TDRS		W -171										
		E -46										
		Z -275										
ORB ATT		BIAS -XLV -ZVV										
SSRMS		Lab/PDGF3 WS4										
NOTES		*UN GRAPL *N2 TERM ⊕UN GRAPL *N2 INIT										

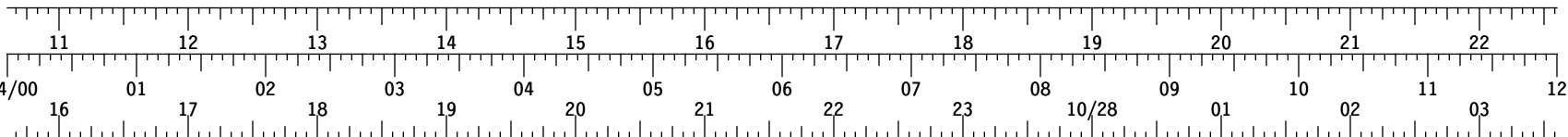
CT 10/27/07 (300)

$\beta =$

MET Day 004 004/00

FD05

GMT 10/27/07 (300)



ISS	DAY/NIGHT	[Day/Night Cycle]														
	DAILY ORBIT	[Orbit Cycle]														
	TDRS AVAIL	[TDRS Availability]														

ISS ATT -XVV +ZLV TEA

TLM FORMAT JJK JJK JJK

S B D	DPC	[DPC]														
	IATCS-LTL FLOW-TERM	[IATCS-LTL FLOW-TERM]														
	MSS-CAMERA-STOW	[MSS-CAMERA-STOW]														
	TCS-TRRJ-LP A-SHTDN	[TCS-TRRJ-LP A-SHTDN]														
	SSRMS-BASE-CHANGE	[SSRMS-BASE-CHANGE]														
	RS-CONTG-TLM	[RS-CONTG-TLM]														
	MSS-P/D	[MSS-P/D]														
	CCS-TLM FORMAT-SWAP	[CCS-TLM FORMAT-SWAP]														
	PFC-CDR	[PFC-CDR]														
	PMC	[PMC]														
EVA-10.2 PSI OP-INIT	[EVA-10.2 PSI OP-INIT]															
C&T-AUDIO-CNFG	[C&T-AUDIO-CNFG]															
ACS-AUTO H/O RS-ENA	[ACS-AUTO H/O RS-ENA]															
IATCS-LTL FLOW-INIT	[IATCS-LTL FLOW-INIT]															
PFC-FE-2	[PFC-FE-2]															
N2-CBM PETAL-CAPTURE	[N2-CBM PETAL-CAPTURE]															
EVA-A/L CAMPOUT-CNFG	[EVA-A/L CAMPOUT-CNFG]															
HMS-DEFIB DLY-CMD	[HMS-DEFIB DLY-CMD]															
C&T-UHF-INDEX CHANGE	[C&T-UHF-INDEX CHANGE]															

K	PFC-CDR	[PFC-CDR]														
	PFC-FE-2	[PFC-FE-2]														

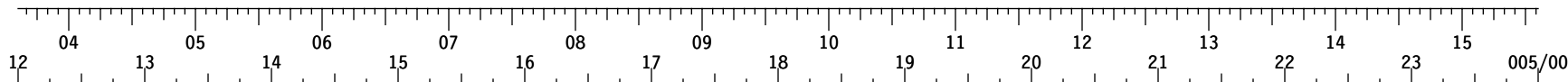
M C C	STS-KU MASK-UPDATE	[STS-KU MASK-UPDATE]														
	ISS FCT H/O (2/3)	[ISS FCT H/O (2/3)]														
	RS-CONTG-TLM	[RS-CONTG-TLM]														
	CCS-TLM FORMAT-SWAP	[CCS-TLM FORMAT-SWAP]														
	ACS-AUTO H/O RS-ENA	[ACS-AUTO H/O RS-ENA]														
	N2-CBM PETAL-CAPTURE	[N2-CBM PETAL-CAPTURE]														
STS FCT H/O (2/3)	[STS FCT H/O (2/3)]															
ISS FCT H/O (3/1)	[ISS FCT H/O (3/1)]															
HMS-DEFIB DLY-CMD	[HMS-DEFIB DLY-CMD]															

R S																
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P L	ALTEA-DOSI-OPS	ALTEA-DOSI-OPS														
	CGBA5-PL-RES TRACK	CGBA5-PL-RES TRACK														
	EMCS-RESOURCES-CMD	EMCS-RESOURCES-CMD														
	EXPRS3-SYS-PWR/THERM	EXPRS3-SYS-PWR/THERM														
	MELFI-DEWAR 1-OPS	MELFI-DEWAR 1-OPS														
	MELFI-DEWAR 2-OPS	MELFI-DEWAR 2-OPS														
	MELFI-DEWAR 3-OPS	MELFI-DEWAR 3-OPS														
	MELFI-DEWAR 4-OPS	MELFI-DEWAR 4-OPS														
	MULT-RUN-PART2	MULT-RUN-PART2														
XPRS4-SYS-PWR/THERM1	XPRS4-SYS-PWR/THERM1															

S Y																
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GMT 10/28/07 (301)  
 Day 004



STS-120	<b>FD06</b> CDR MELROY	SLEEP	LOG SOLE STEP A/G	POST SLEEP	IND MHD UBIT	IP NA DVR	HO NE AITT	EXERCISE	P/TV EVA	MEAL	MU DVA PRA T	CIN WCI T#3	CT WR M#3			
	PLT ZAMKA	SLEEP	LOG	POST SLEEP	H/D NUM ORP	WI ANS ITTE	WT AES TME	P/TV 07 S/U	P/TV SSRMS	EXERCISE	MEAL	P/TV EVA/SSRMS	P/TV EVA			
	<b>EV1</b> MS1 PARAZYNSKI	SLEEP (A/L)	LOG	POST SLEEP	HYGN BREAK/ PREBR THE	CAMPOUT EVA PREP	EP MU UR GE	EMU PBR THE	C/L DPRS	PE GR SS Z1/P6 UMB	DETACH P6	NODE 2 OUTFIT	NODE 2 PDGF INSTALL	NODE 2 OUTFIT		
	<b>M1</b> MS2 WILSON	SLEEP	LOG	POST SLEEP	WALK OFF TO MBS	UG RA P	P6 GRAPL	MEAL	P6 DEMATE	TRANSFER						
	<b>M2</b> MS3 WHEELLOCK	SLEEP	LOG	POST SLEEP	WALK OFF TO MBS	UG RA P	P6 GRAPL	MEAL	P6 DEMATE	TRANSFER						
	<b>IV</b> MS4 NESPOLI	SLEEP	LOG	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP	EP MU UR GE	EMU PBR THE	C/L DPRS	IV SUPPORT						
	<b>M3</b> FE-2 DN ANDERSON	SLEEP (8.5)	LOG	POST SLEEP	PREP WORK	WALK OFF TO MBS	UG RA P	P6 GRAPL	EXERCISE TVIS	MIDDAY- MEAL	P6 DEMATE	ND2 HYZOD CVR INST	ND2 AFT EXT	ND2 CBCS INSTL		
EXP 16	<b>IV2</b> ISS CDR WHITSON	SLEEP (8.5)	IM MN *	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP	EP MU UR GE	EMU PBR THE	C/L DPRS	PE CMO	MIDDAY- MEAL	N2 NPRV RMV/IMV INST	EXERCISE CEVIS	⊕		
	FE-1 MALENCHENKO	SLEEP (8.5)	IM MN *	POST SLEEP	PREP WORK	H ADPC M	ORIENTATION	I WIS ESET	CMS-PFE-SUBJ-FE1	MIDDAY- MEAL	N2-C/O PNL BOLT-RMV L	ND2 HYZOD CVR INST	C1-CB P⊕ B1-B2-MNT	EXERCISE VELO		
UP	<b>EV3</b> FE-2 UP TANI	SLEEP (A/L)	IM MN *	POST SLEEP	HYGN BREAK/ PREBR THE	CAMPOUT EVA PREP	EP MU UR GE	EMU PBR THE	C/L DPRS	PE GR SS Z1/P6 UMB	DETACH P6	S1 SFU	M BS U	RPCM R&R	NODE 2 PDGF INSTALL	NODE 2 OUTFIT
DAY/NIGHT ORBIT		72	73	74	75	76	77	78	79							
TDRS		W -171	E -46	Z -275												
ORB ATT SSRMS		BIAS -XLV -ZVV			BIAS -XLV +YVV			BIAS -XLV -ZVV			BIAS -XLV -ZVV					
		Lab/PDGF3 WS4						PDGF3 WS4								
NOTES		2-18						No Ex Detach P6: Capture Latch,Break Torque,APFR FLT PLN/120/FIN			No RED/VELO/STS Exercise ND2 PDGF APFR			⊕ND2 PFE P ⊕EXERCISE R		



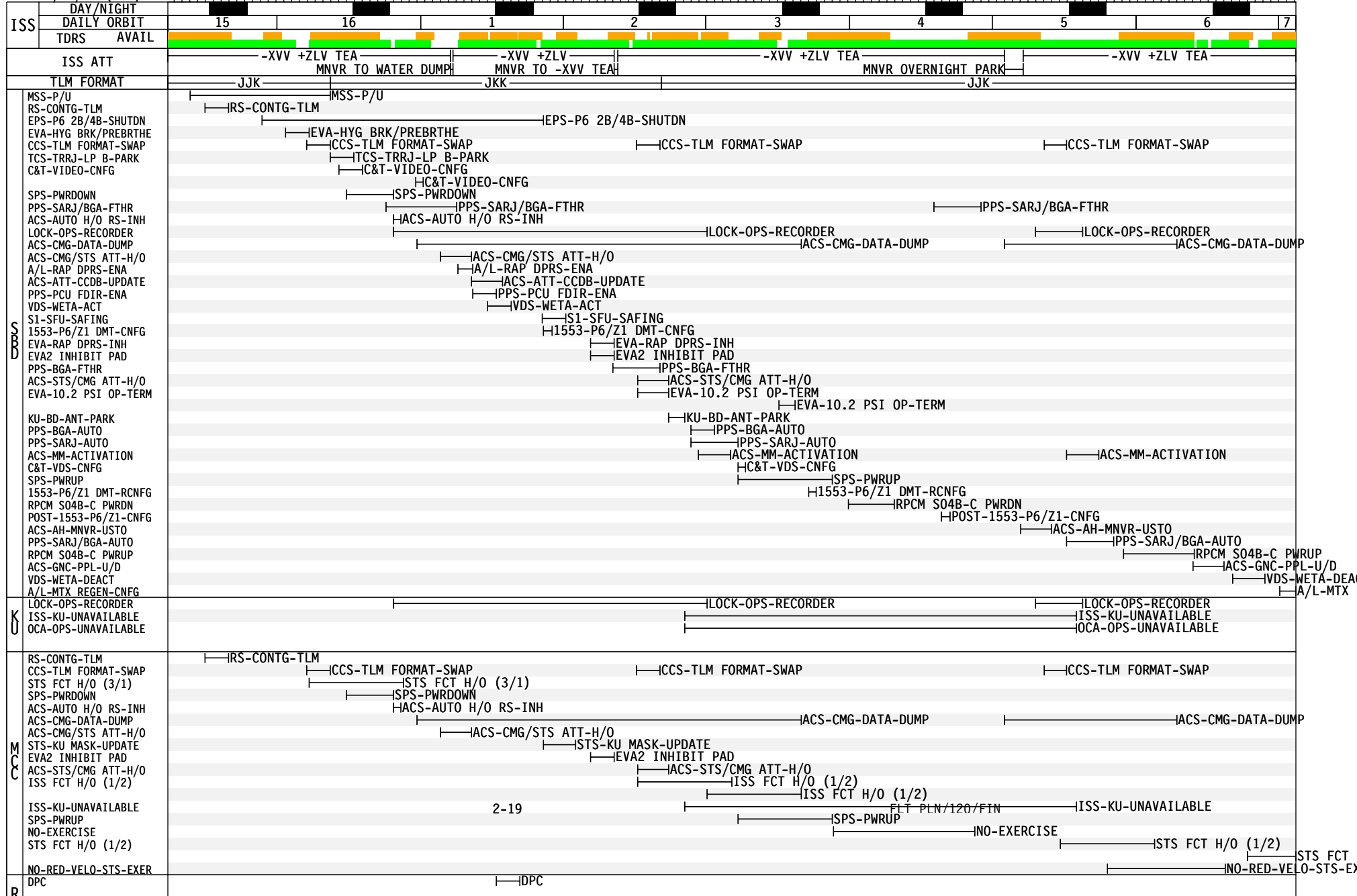
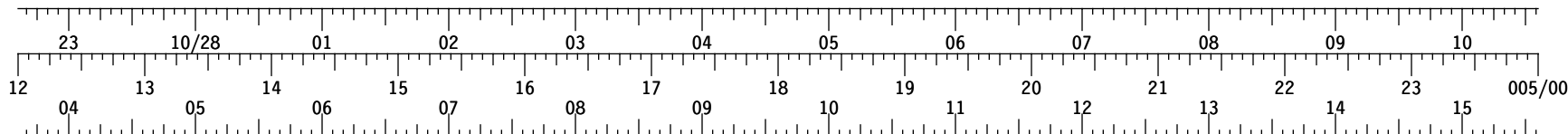
CT 10/27/07 (300)

β =

MET Day 004

FDO6

GMT 10/28/07 (301)



GMT 10/28/07 (301)  
 Day 005



S T S - 1 2 0	FD06	CX W F E R				PRE SLEEP	PMC A/G	PRE SLEEP		SLEEP
	PLT ZAMKA	P/TV EVA	W C S *	FILTER INSPECT		PRE SLEEP				SLEEP
	MS1 PARAZYNSKI	NODE 2 OUTFIT	I N G R S	P R E P R S	POST EVA W/H2O,METOX		PRE SLEEP			SLEEP
	MS2 WILSON	TRANSFER		EXERCISE		PRE SLEEP				SLEEP
	MS3 WHEELOCK	*		EXERCISE		X B F R E I R E F	PRE SLEEP			SLEEP
	MS4 NESPOLI	IV SUPPORT	P R E P R S	POST EVA W/H2O,MTX	T E R M I N I T	BSA BATT INIT	PRE SLEEP	C D M *		SLEEP
	FE-2 DN ANDERSON	ND2 PFE PBA INSTL		EXERCISE TVIS	E X E R	P R E P W O R K	DPC	PRE SLEEP		SLEEP (8.5)
E X P 1 6	ISS CDR WHITSON	EXERCISE RED	P R E P R S	POST EVA W/H2O,METOX	D L		PRE SLEEP		SLEEP (8.5)	
	FE-1 MALENCHENKO	@ IMS EDIT	COX MNT	P R E P W O R K	DPC		PRE SLEEP		SLEEP (8.5)	
U P	FE-2 UP TANI	NODE 2 OUTFIT	I N G R S	P R E P R S	POST EVA W/H2O,METOX	P R E S L E E P	PMC	PRE SLEEP		SLEEP (8.5)
DAY/NIGHT										
ORBIT										
TDRS										
ORB ATT										
SSRMS		BIAS -XLV -ZVV PDGF3 WS4								
NOTES		*TRANSFER *FILTER CK *EMU *ACT @EXERCISE VELO								

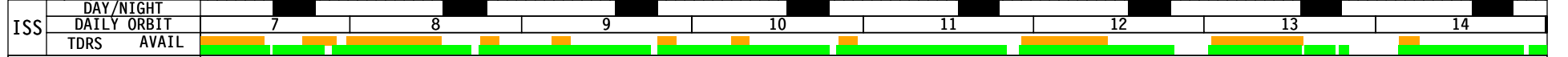
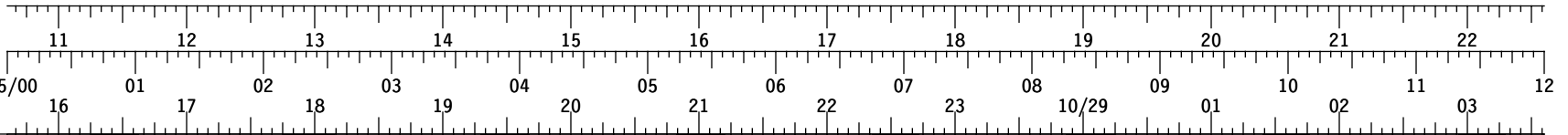
CT 10/28/07 (301)

β =

MET Day 005 005/00

FD06

GMT 10/28/07 (301)



TDRS AVAIL -XVV +ZLV TEA

ISS ATT -XVV +ZLV TEA

TLM FORMAT -JJK -JJK -JJK

A/L-MTX REGEN-CNFG	A/L-MTX REGEN-CNFG		
C&T-VIDEO-DECONFIG	IC&T-VIDEO-DECONFIG		
RS-CONTG-TLM	RS-CONTG-TLM	IRS-CONTG-TLM	IRS-CONTG-TLM
TCS-TRRJ-LP A-INIT	TCS-TRRJ-LP A-INIT		
EVA-10.2 PSI OP-TERM	EVA-10.2 PSI OP-TERM		
PPS-PCU FDIR-INH	HPPS-PCU FDIR-INH		
ETCS-LPA TRRJ-DIR	ETCS-LPA TRRJ-DIR		
POST-EVA-SUPPORT	HPOST-EVA-SUPPORT		
TCS-TRRJ-LP B-AUTO	TCS-TRRJ-LP B-AUTO		
DPC	DPC		
CCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP	
PMC	IPMC		
ACS-AUTO H/O RS-ENA	HACS-AUTO H/O RS-ENA		
TCS-SFU-WARMUP	TCS-SFU-WARMUP		
MT-XLATE PATH-SURVEY	MT-XLATE PATH-SURVEY		
MSS-CAMERA-STOW	MSS-CAMERA-STOW		
MSS-P/D	MSS-P/D		
CHECS-COMMANDING			ICHECS-COMMANDING
HMS-DEFIB DLY-CMD			IHMS-DEFIB DLY-CMD
C&T-UHF-INDEX CHANGE			IC&T-UHF-INDEX CHANGE

CHECS-KU D/L-CMD				CHECS-KU
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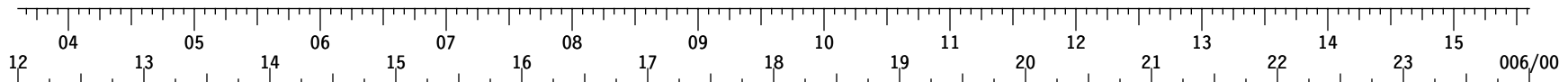
STS FCT H/O (1/2)	STS FCT H/O (1/2)			
STS-KU MASK-UPDATE	STS-KU MASK-UPDATE			
RS-CONTG-TLM	RS-CONTG-TLM	IRS-CONTG-TLM	IRS-CONTG-TLM	
ISS FCT H/O (2/3)	ISS FCT H/O (2/3)			
CCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP		
ACS-AUTO H/O RS-ENA	HACS-AUTO H/O RS-ENA			
STS FCT H/O (2/3)			ISTS FCT H/O (2/3)	
CHECS-COMMANDING			ICHECS-COMMANDING	
ISS FCT H/O (3/1)			ISS FCT H/O (3/1)	
CHECS-KU D/L-CMD				CHECS-KU
HMS-DEFIB DLY-CMD			IHMS-DEFIB DLY-CMD	

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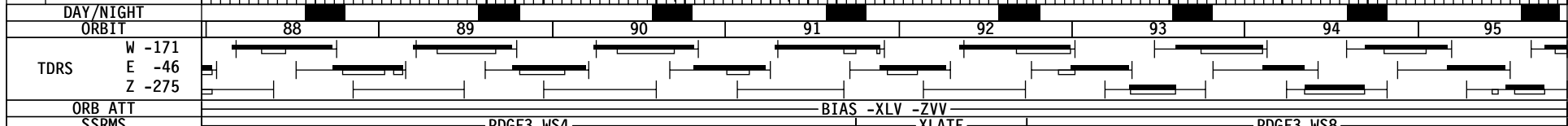
ALTEA-DOSI-OPS			ALTEA-DOSI-OPS	ALTEA-DOSI-OPS
CGBA5-PL-RES TRACK			CGBA5-PL-RES TRACK	CGBA5-PL-RES TRACK
EMCS-RESOURCES-CMD			EMCS-RESOURCES-CMD	EMCS-RESOURCES-CMD
EXPRS3-SYS-PWR/THERM			EXPRS3-SYS-PWR/THERM	EXPRS3-SYS-PWR/THERM
MELFI-DEWAR 1-OPS			MELFI-DEWAR 1-OPS	MELFI-DEWAR 1-OPS
MELFI-DEWAR 2-OPS			MELFI-DEWAR 2-OPS	MELFI-DEWAR 2-OPS
MELFI-DEWAR 3-OPS			MELFI-DEWAR 3-OPS	MELFI-DEWAR 3-OPS
MELFI-DEWAR 4-OPS			MELFI-DEWAR 4-OPS	MELFI-DEWAR 4-OPS
MULT-RUN-PART2	2-21	FLI PLN/120/F	MULT-RUN-PART2	MULT-RUN-PART2
XPRS4-SYS-PWR/THERM1			XPRS4-SYS-PWR/THERM1	XPRS4-SYS-PWR/THERM1

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GMT 10/29/07 (302)  
 Day 005



S T S - 1 2 0	<b>FD07</b> CDR MELROY	SLEEP	POST SLEEP				COND CWC C/O	PC R L O A S E		OFF DUTY	MEAL		N2 XFER TERM	R P R S *		R P R S *	
	<b>R1</b> PLT ZAMKA	SLEEP	POST SLEEP		P S S T U R N S	P6 GRAPL		P/TV SSRMS		OFF DUTY	MEAL		P/TV SSRMS	P6 UNGPL	C I N N C I T # 4		
	<b>MS1</b> PARAZYNSKI	SLEEP	POST SLEEP				T E R M *	EMU BATT INIT	EMU SWAP	OFF DUTY	MEAL	METX BATT	E/L PREP	EVA TOOL CONFIG	EXERCISE		
	<b>R2</b> MS2 WILSON	SLEEP	POST SLEEP			P6 GRAPL		M C I U *		OFF DUTY	MEAL			P6 UNGPL	EXERCISE		
	<b>MS3</b> WHEELock	SLEEP	POST SLEEP						EMU SWAP	OFF DUTY	MEAL	METX BATT	E/L PREP	EVA TOOL CONFIG			
	<b>MS4</b> NESPOLI	SLEEP	POST SLEEP				CDM BATT		H R A A M D I O	OFF DUTY	OFF DUTY	MEAL	M E T X *	E/L PREP	EVA TOOL CONFIG	S A L V A	*
	<b>M2</b> FE-2 DN ANDERSON	SLEEP (8.5)	POST SLEEP	P W R O T E R P K	D P C	P W S E R R A P K T	P/TV GRAPL	P U N G R P	M N V R S S R M S M T T R A N S	EXERCISE TVIS	OFF DUTY	MIDDAY-MEAL	P6 GRAPPLE FROM SRMS	AMIA JMPR	AMIA INSTALL	EXER TVIS	
E X P 1 6	<b>ISS</b> CDR WHITSON	SLEEP (8.5)	POST SLEEP	P W R O T E R P K	D P C	EMU RESIZE		EXERCISE CEVIS	OFF DUTY	MIDDAY-MEAL	DCS TURN AROUND	ND2 AV RACK OUTFIT					
	<b>FE-1</b> MALENCHENKO	SLEEP (8.5)	POST SLEEP	P W R O T E R P K	D P C	P W C O H E R R P K G	Φ-CB-ЦB-MNT	EXERCISE VELO	B P X O	Бφ CO2 MNT	OFF DUTY	MIDDAY-MEAL	IMS EDIT	N2 XFER TERM	COX MNT	EXERCISE VELO+RED	
U P	<b>M1</b> FE-2 UP TANI	SLEEP (8.5)	POST SLEEP	P W R O T E R P K	D P C	EMU RESIZE	P U N G R P	M N V R S S R M S M T T R A N S	A D A P T	P M C A D A P T	OFF DUTY	MIDDAY-MEAL	P6 GRAPPLE FROM SRMS	ND2 AV RACK OUTFIT			



NOTES

\*DEACT No Exercise S1 RAD1 Deploy S1 RAD3 Deploy

\*BSA \*FILTER CK 2-22 No Exercise while both arms grappled

\*TERM No Exercise while both arms grappled

\*N2 INIT

\*EXERCISE \*N2 TERM

FLT PLN/120/FIN

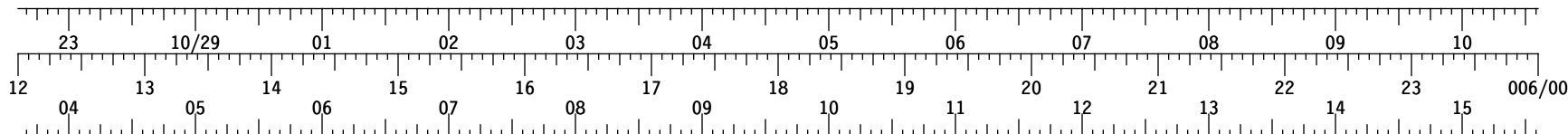
CT 10/28/07 (301)

β =

MET Day 005

FD07

GMT 10/29/07 (302)



ISS	DAY/NIGHT	
	DAILY ORBIT	15 1 2 3 4 5 6 7
ISS ATT	TDRS AVAIL	[Green bar across days 15-7]
		-XVV +ZLV TEA
TLM FORMAT		JJK JJK
	RS-CONTG-TLM	IRS-CONTG-TLM
B C D	ACS-AUTO H/O RS-INH	HACS-AUTO H/O RS-INH
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP
	ETCS-S1 RAD 1-DPLY	ETCS-S1 RAD 1-DPLY
	MSS-P/U	MSS-P/U
	ETCS-S1 RAD 3-DEPLOY	ETCS-S1 RAD 3-DEPLOY
	MT-TRANSLATION-PREP	MT-TRANSLATION-PREP
	DPC	IDPC
	MT-MANUAL-DEMATE	MT-MANUAL-DEMATE
	PMC	IPMC
	MT-WS4/WS8-TRANSLATE	MT-WS4/WS8-TRANSLATE
K U	CHECS-CMD-VOA ACO	CHECS-CMD-VOA ACO
	CHECS-KU D/L-CMD	CHECS-KU D/L-CMD
M C	CHECS-KU D/L-CMD	CHECS-KU D/L-CMD
	RS-CONTG-TLM	IRS-CONTG-TLM
	ACS-AUTO H/O RS-INH	HACS-AUTO H/O RS-INH
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP
	STS FCT H/O (3/1)	STS FCT H/O (3/1)
	NO-EXERCISE	NO-EXERCISE
	STS-KU MASK-UPDATE	STS-KU MASK-UPDATE
R S	ISS FCT H/O (1/2)	ISS FCT H/O (1/2)
	STS FCT H/O (1/2)	STS FCT H/O (1/2)
P L	ALTEA-DOSI-OPS	
	CGBA5-PL-RES TRACK	
	EMCS-RESOURCES-CMD	
	EXPRS3-SYS-PWR/THERM	
	MELFI-DEWAR 1-OPS	
	MELFI-DEWAR 2-OPS	
	MELFI-DEWAR 3-OPS	
MELFI-DEWAR 4-OPS		
MULT-RUN-PART2		
XPRS4-SYS-PWR/THERM1		
S Y	PRO-MULT-FILE-CMD	PRO-MULT-FILE-CMD
	MULT-FILEUP-CMD	MULT-FILEUP-CMD
	CGBA5-PARAM-CMD	CGBA5-PARAM-CMD
NOTES		

GMT 10/29/07 (302)  
 Day 006



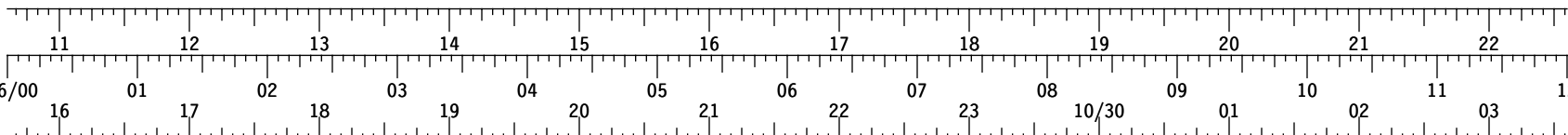
S T S - 1 2 0	FD07	CDR MELROY		PEAVOENT	EVA PROCEDURE REVIEW	PRE SLEEP			SLEEP	ISS EXTERNAL SURVEY
		PLT ZAMKA	CTWE#4	CXWFER	PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP			SLEEP
		MS1 PARAZYNSKI	*		PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)
		MS2 WILSON		P/TV 05 S/U	PEAVOENT	EVA PROCEDURE REVIEW	PRE SLEEP			SLEEP
		MS3 WHEELLOCK			PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)
		MS4 NESPOLI	EXERCISE		PRE SLEEP	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP
		FE-2 DN ANDERSON	EXER TVIS	EXER S/U	PEAVOENT	DPC	EVA PROCEDURE REVIEW	PRE SLEEP		SLEEP (8.5)
E X P 1 6		ISS CDR WHITSON	ND2 AV RACK OUTFIT	PEAVOENT	DPC	EVA PROCEDURE REVIEW	PRE SLEEP		SLEEP (8.5)	
		FE-1 MALENCHENKO	EXERCISE VELO+RED	PEAVOENT	DPC	EVA PROCEDURE REVIEW	PRE SLEEP		SLEEP (8.5)	
U P		FE-2 UP TANI	ND2 AV RACK OUTFIT	PEAVOENT	ADAPT DPC	EVA PROCEDURE REVIEW	PRE SLEEP		SLEEP (8.5)	
DAY/NIGHT ORBIT		95	96	97	98	99	100	101	102	103
TDRS	W -171 E -46 Z -275	[Timeline bars for TDRS]								
ORB ATT SSRMS		BIAS -XLV -ZVV PDGF3 WS8								
NOTES		*EXERCISE								

CT 10/29/07 (302)

MET Day 006 006/00

FD07

GMT 10/29/07 (302)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]															
	DAILY ORBIT	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	TDRS AVAIL	[Bar chart showing TDRS availability]															

ISS ATT -XVV +ZLV TEA

TLM FORMAT JJK JJK

S D B	CHECS-CMD-VOA ACO	[Timeline bar]														
	C&C-MDM-PPL-LOAD	[Timeline bar]														
	IATCS-LTL FLOW-TERM	[Timeline bar]														
	DPC	[Timeline bar]														
	TCS-TRRJ-LP A-SHTDN	[Timeline bar]														
	RS-CONTG-TLM	[Timeline bar]														
	MSS-CAMERA-STOW	[Timeline bar]														
	MSS-P/D	[Timeline bar]														
	EVA-10.2 PSI OP-INIT	[Timeline bar]														
	IATCS-LTL FLOW-INIT	[Timeline bar]														
	CCS-TLM FORMAT-SWAP	[Timeline bar]														
	ACS-AUTO H/O RS-ENA	[Timeline bar]														
	EVA-A/L CAMPOUT-CNFG	[Timeline bar]														
	HMS-DEFIB DLY-CMD	[Timeline bar]														
	C&T-UHF-INDEX CHANGE	[Timeline bar]														

K U																
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M C C	ISS FCT H/O (2/3)	[Timeline bar]														
	RS-CONTG-TLM	[Timeline bar]														
	CCS-TLM FORMAT-SWAP	[Timeline bar]														
	ACS-AUTO H/O RS-ENA	[Timeline bar]														
	STS FCT H/O (2/3)	[Timeline bar]														
	ISS FCT H/O (3/1)	[Timeline bar]														

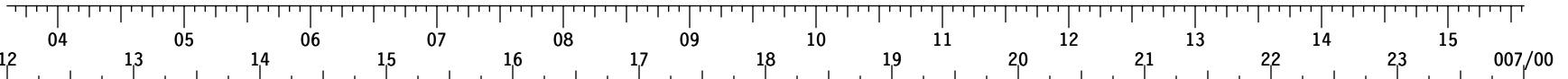
R S																
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P L	ALTEA-DOSI-OPS	ALTEA-DOSI-OPS														
	CGBA5-PL-RES TRACK	CGBA5-PL-RES TRACK														
	EMCS-RESOURCES-CMD	EMCS-RESOURCES-CMD														
	EXPRS3-SYS-PWR/THERM	EXPRS3-SYS-PWR/THERM														
	MELFI-DEWAR 1-OPS	MELFI-DEWAR 1-OPS														
	MELFI-DEWAR 2-OPS	MELFI-DEWAR 2-OPS														
	MELFI-DEWAR 3-OPS	MELFI-DEWAR 3-OPS														
	MELFI-DEWAR 4-OPS	MELFI-DEWAR 4-OPS														
	MULT-RUN-PART2	MULT-RUN-PART2														

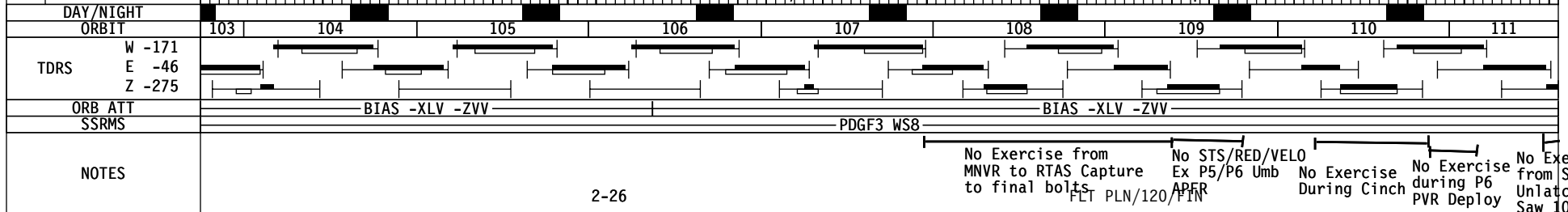
S Y		2-25 FLT, PLN/120/FIN														
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NOTES

GMT 10/30/07 (303)  
 MET Day 006



S T S - 1 2 0	FD08 R2 CDR MELROY	SLEEP	POST SLEEP	POST SLEEP	HYGN BREAK/ PREBRTHE	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	EGRSS	ATTACH P6 TO P5	P5/P6 UMB	SSU SHRD	O/B RAD CINCH RELEASES	SFU	GET AHEAD TASKS	MT BR S A U N S					
	R1 PLT ZAMKA	SLEEP	POST SLEEP	P/TV SSRMS			P/TV SSRMS	EXERCISE		P/TV EVA/SSRMS	MEAL	SRMS	MEAL		SRMS MBSU SPT						
	EV1 MS1 PARAZYNSKI	SLEEP (A/L)	POST SLEEP																		
	M2, R2 MS2 WILSON	SLEEP	POST SLEEP					MNVR PRE INSTL S/U	P/TV 07 S/U		P6 INSTL	PU 6 N G R P	MEAL	SRMS	MEAL		SRMS MBSU SPT				
	EV2 MS3 WHEELLOCK	SLEEP (A/L)	POST SLEEP	HYGN BREAK/ PREBRTHE	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	EGRSS		ATTACH P6 TO P5	PU 5 M B P 6	SSU SHROUD REMOVE			MBSU TRANS						
	IV MS4 NESPOLI	SLEEP	POST SLEEP	HYGN BREAK	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS			IV SUPPORT											
	M3 FE-2 DN ANDERSON	SLEEP (8.5)	POST SLEEP	PREP WORK				MNVR PRE INSTL S/U	EXERCISE TVIS		P6 INSTL	PU 6 N G R P	MNVR SAW VIEW	MIDDAY-MEAL		HANDOVER					
E X P 1 6	IV2 ISS CDR WHITSON	SLEEP (8.5)	POST SLEEP	HYGN BREAK	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS			MIDDAY-MEAL	N2-C/O PNL BOLT-RMVL	EXERCISE TVIS			CWC FILL INIT						
	FE-1 MALENCHENKO	SLEEP (8.5)	POST SLEEP	PREP WORK	ADPC D33-2	A L C		EXERCISE TVIS	EXERCISE RED	MIDDAY-MEAL	N2-C/O PNL BOLT-RMVL				MO H T R O G	C H E C K	C H E C K	C H E C K	C H E C K	M O T O	IMS EDIT
U P	M1 FE-2 UP TANI	SLEEP (8.5)	POST SLEEP	PREP WORK			MNVR PRE INSTL S/U	EXERCISE CEVIS		P6 INSTL	PU 6 N G R P	MNVR SAW VIEW	MIDDAY-MEAL	CWC FILL INIT	HANDOVER						



No STS/RED/VELO Ex MBSU xfer AP

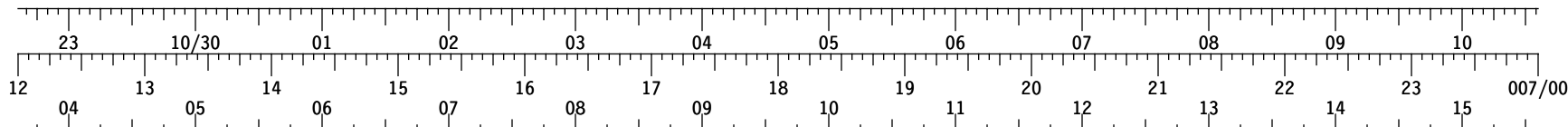


CT 10/29/07 (302)

MET Day 006

FD08

GMT 10/30/07 (303)



ISS	DAY/NIGHT	DAILY ORBIT	TDRS	AVAIL
ISS ATT	-XVV +ZLV TEA MNVR TO POST INSTALL			
TLM FORMAT	JJK	JJK	JJK	JJK
CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP
MSS-P/U	MSS-P/U			
EVA-HYG BRK/PREBRTHE	EVA-HYG BRK/PREBRTHE	EVA-HYG BRK/PREBRTHE	EVA-HYG BRK/PREBRTHE	EVA-HYG BRK/PREBRTHE
C&T-VIDEO-CNFG	C&T-VIDEO-CNFG			
ACS-AUTO H/O RS-INH	ACS-AUTO H/O RS-INH			
VDS-WETA-ACT	VDS-WETA-ACT			
A/L-RAP DPRS-ENA	A/L-RAP DPRS-ENA			
PPS-SARJ/BGA-FTHR	PPS-SARJ/BGA-FTHR			
PPS-PCU FDIR-ENA	PPS-PCU FDIR-ENA			
ACS-CMG-DATA-DUMP				IACS-CMG-DATA-DUMP
ACS-AH-MNVR-USTO	ACS-AH-MNVR-USTO			
LOCK-OPS-RECORDER				LOCK-OPS-RECORDER
EVA-RAP DPRS-INH	EVA-RAP DPRS-INH			
EVA3 INHIBIT PAD	EVA3 INHIBIT PAD			
EVA-10.2 PSI OP-TERM	EVA-10.2 PSI OP-TERM			
ACS-MM-ACTIVATION				IACS-MM-ACTIVATION
S1-SFU-SAFING				S1-SFU-SAFING
PPS-SARJ/BGA-AUTO				PPS-SARJ/BGA-AUTO
ACS-GNC-PPL-U/D				ACS-GNC-PPL-U/D
CDH-P5/P6 CNCT-RCNFG				
1553-P5/P6 CNCT-CNFG				
C&DH-4B PVCU-ACT				
EPS-2B CHANNEL-ACT				
EPS-4B CHANNEL-ACT				
CDH-P5/P6 CNCT-RSTOR				
C&DH-2B PVCU-ACT				
PPS-ECU 2B/4B-ACT				
PPS-P6 BGA-FTHR				
PPS-P6 PVR-DEPLOY				
EPS-2B2 BATT-CHARGE				
EPS-4B2 BATT-CHARGE				
RS-CONTG-TLM				
PPS-P4 BGA-FTHR				
PPS-2B LBB-UNLATCH				
PPS-4B LBB-UNLATCH				
LOCK-OPS-RECORDER				LOCK-OPS-RECORDER
PPS-2B LBB-UNLATCH				PPS-2B LBB-UNLATCH
PPS-4B LBB-UNLATCH				PPS-4B LBB-UNLATCH
CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP
STS FCT H/O (3/1)	STS FCT H/O (3/1)			
ACS-AUTO H/O RS-INH	ACS-AUTO H/O RS-INH			
ACS-CMG-DATA-DUMP				IACS-CMG-DATA-DUMP
EVA3 INHIBIT PAD	EVA3 INHIBIT PAD			
ISS FCT H/O (1/2)				ISS FCT H/O (1/2)
STS-KU MASK-UPDATE				STS-KU MASK-UPDATE
NO-EXERCISE				NO-EXERCISE
STS FCT H/O (1/2)				
NO-RED-VELO-STS-EXER				
RS-CONTG-TLM				
DPC				
DPC				
ALTEA-DOSI-OPS				
CGBA5-PL-RES TRACK				
EMCS-RESOURCES-CMD				
EXPRS3-SYS-PWR/THERM				
MELFI-DEWAR 1-OPS				
MELFI-DEWAR 2-OPS				

2-27

FLT PLN/120/FIN

ALTEA-DOSI-OPS  
 CGBA5-PL-RES TRACK  
 EMCS-RESOURCES-CMD  
 EXPRS3-SYS-PWR/THERM  
 MELFI-DEWAR 1-OPS  
 MELFI-DEWAR 2-OPS

GMT 10/30/07 (303)  
 Day 007



STS-120	FD08	CDR MELROY	P/TV EVA	MAST 1 DPLY	2B 100%	4B 100%	IMU	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	PLT ZAMKA	SRMS MBSU SPT	CXWFCR	2B 100%	4B 100%	RPMSRDN	PRE SLEEP		PRE SLEEP	SLEEP	
	MS1 PARAZYNSKI	MBSU TRANS	INGRS	PREPPRS	POST EVA W/H2O, METOX			PRE SLEEP		SLEEP	
	MS2 WILSON	SRMS MBSU SPT		2B 100%	4B 100%	RPMSRDN	PRE SLEEP		PRE SLEEP	SLEEP	
	MS3 WHEELLOCK	MBSU TRANS	INGRS	PREPPRS	POST EVA W/H2O, METOX			PRE SLEEP		SLEEP	
	MS4 NESPOLI	IV SUPPORT		PREPPRS	POST EVA W/H2O, METOX			PRE SLEEP	CDM	SLEEP	
	FE-2 DN ANDERSON			PREPPRS	POST EVA W/H2O METOX		D/L	PRE SLEEP		SLEEP (8.5)	
EXP 16	ISS CDR WHITSON	CTWE CRM		PW	2B 100%	PREP WORK	4B 100%	PREP WORK	PRE SLEEP	SLEEP (8.5)	
	FE-1 MALENCHENKO	COX MNT	EXER	ORIENTATION		TE RR BATT M*	BSA BATT INIT	PREP WORK	PRE SLEEP	SLEEP (8.5)	
UP	FE-2 UP TANI	CTWE CRM	MAST 1 DPLY	PREP WORK	2B 100%	4B 100%	PW ROR EPK	4B 100%	PREP WORK	PRE SLEEP	SLEEP (8.5)
DAY/NIGHT ORBIT											
TDRS	W -171 E -46 Z -275										
ORB ATT SSRMS	<p>BIAS -XLV -ZVV          PDGF3 WS8</p>										
NOTES	<p>*EMU          No STS/RED/VELO Ex MBSU xfer APFR          *ACT          No Exercise from SABB          Unlatch thru Saw Deploy 100%          2-28          FLT PLN/120/FIN</p>										

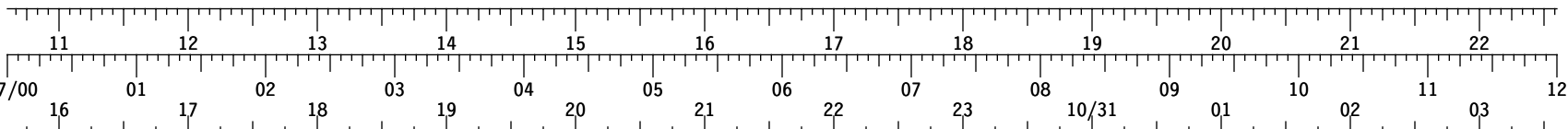
CT 10/30/07 (303)

β =

MET Day 007 007/00

FD08

GMT 10/30/07 (303)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]															
	DAILY ORBIT	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	TDRS AVAIL	[Bar chart showing TDRS availability]															

ISS ATT -XVV +ZLV TEA

TLM FORMAT JJK JJK

S R B	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER														
	EPS-2B2 BATT-CHARGE	EPS-2B2 BATT-CHARGE														
	EPS-4B2 BATT-CHARGE	EPS-4B2 BATT-CHARGE														
	PPS-2B RBB-UNLATCH	PPS-2B RBB-UNLATCH														
	PPS-4B RBB-UNLATCH	PPS-4B RBB-UNLATCH														
	A/L-MTX REGEN-CNFG	A/L-MTX REGEN-CNFG														
	PPS-2B MAST 1-DPLY	PPS-2B MAST 1-DPLY														
	PPS-4B MAST 1-DPLY	PPS-4B MAST 1-DPLY														
	PPS-2B LBB-LATCH	PPS-2B LBB-LATCH														
	PPS-4B LBB-LATCH	PPS-4B LBB-LATCH														
	PPS-2B RBB-LATCH	PPS-2B RBB-LATCH														
	PPS-4B RBB-LATCH	PPS-4B RBB-LATCH														
	WRM-CWC-FILL-SPPT	WRM-CWC-FILL-SPPT														
	PPS-2B MAST FULL-DPL	PPS-2B MAST FULL-DPL														
	EHS-VOA-RUN-COMMAND	EHS-VOA-RUN-COMMAND														

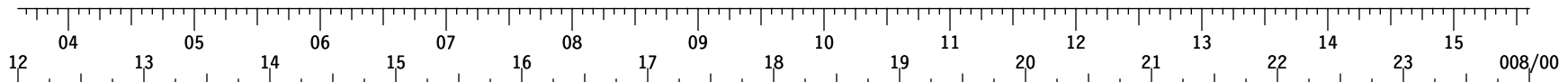
K	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER														
	PPS-2B RBB-UNLATCH	PPS-2B RBB-UNLATCH														
	PPS-4B RBB-UNLATCH	PPS-4B RBB-UNLATCH														
	PPS-2B MAST 1-DPLY	PPS-2B MAST 1-DPLY														
	PPS-4B MAST 1-DPLY	PPS-4B MAST 1-DPLY														
	PPS-2B LBB-LATCH	PPS-2B LBB-LATCH														
	PPS-4B LBB-LATCH	PPS-4B LBB-LATCH														
	PPS-2B RBB-LATCH	PPS-2B RBB-LATCH														
	PPS-4B RBB-LATCH	PPS-4B RBB-LATCH														
	PPS-2B MAST FULL-DPL	PPS-2B MAST FULL-DPL														
	PPS-4B MAST FULL-DPL	PPS-4B MAST FULL-DPL														

M C	NO-RED-VELO-STS-EXER	NO-RED-VELO-STS-EXER														
	NO-EXERCISE	NO-EXERCISE														
	STS-KU MASK-UPDATE	STS-KU MASK-UPDATE														
	ISS FCT H/O (2/3)	ISS FCT H/O (2/3)														
	EHS-VOA-RUN	EHS-VOA-RUN														
	RS-CONTG-TLM	RS-CONTG-TLM														
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP														
	ACS-AUTO H/O RS-ENA	ACS-AUTO H/O RS-ENA														
	STS FCT H/O (2/3)	STS FCT H/O (2/3)														
	ISS FCT H/O (3/1)	ISS FCT H/O (3/1)														
	HMS-DEFIB DLY-CMD	HMS-DEFIB DLY-CMD														

RS

ALTEA-DOSI-OPS	ALTEA-DOSI-OPS														
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GMT 10/31/07 (304)  
 Day 007



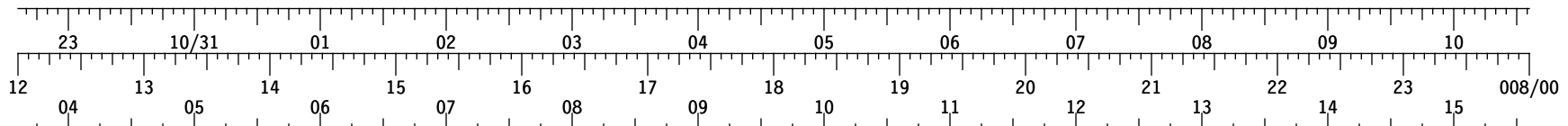
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	PLT ZAMKA	SLEEP	POST SLEEP	P/TV 05 S/U	POST SLEEP	02 RECONF IG TO XFER	02 I N T	EXERCISE	W C S *		P/TV 05 S/U	MEAL	CREW CONF	CP RHO E W T O		PWR DUMP	PWR #2 FILL	02 T R M	02 RCNFG TO P/B		
	MS1 PARAZYNSKI	SLEEP	POST SLEEP			METX BATT	E/L PREP	EVA TOOL CONFIG				MEAL	CREW CONF	CP RHO E W T O	T-RAD DESTOW	EVA TOOL CONFIG		EXERCISE	PRE SLEEP		
	MS2 WILSON	SLEEP	POST SLEEP			M C I U *		EXERCISE		TRANSFER		MEAL	CREW CONF	CP RHO E W T O	TRANSFER	P/TV08 EXT SURV		TRANSFER			
	MS3 WHELOCK	SLEEP	POST SLEEP			METX BATT	E/L PREP	EVA TOOL CONFIG		EXERCISE		MEAL	CREW CONF	CP RHO E W T O	T-RAD DESTOW	EVA TOOL CONFIG	M E T X *			PRE SLEEP	
	MS4 NESPOLI	SLEEP	POST SLEEP			PEAV OENT	H R A M D I O	E/L PREP	EVA TOOL CONFIG		HPA EXP OPS	MEAL	CREW CONF	CP RHO E W T O	T-RAD DESTOW	EVA TOOL CONFIG	C D M B A T T		EXERCISE		
	FE-2 DN ANDERSON	SLEEP (8.5)	POST SLEEP	DPC	P R O P K S /			HANDOVER		EXERCISE TVIS		MIDDAY-MEAL	CREW CONF	CP RHO E W T O		HANDOVER	A M I A		EXERCISE TVIS		PMC
E X P 1 6	ISS CDR WHITSON	SLEEP (8.5)	POST SLEEP	DPC	P W R S /	H M A G S /	HPA-EXP-S/U		EXERCISE TVIS	N1P GUIDE ASSY	N2A GUIDE ASSY	MIDDAY-MEAL	CREW CONF	CP RHO E W T O	HPA EXP STOW	M S T A O W	M P C	EXERCISE RED	PMC	T E R M *	IMS EDIT
	FE-1 MALENCHENKO	SLEEP (8.5)	POST SLEEP	DPC	O A R T E I N O T N	G A H K	EDB PRIM1 MNT	02 RECONF IG TO XFER	02 I N T	O R E N T P M C	EXERCISE CEVIS	MIDDAY-MEAL	CREW CONF	CP RHO E W T O	DCS TURN AROUND			COX MNT		EXERCISE RED	
U P	FE-2 UP TANI	SLEEP (8.5)	POST SLEEP	DPC	P R O P K S /		HANDOVER		EXERCISE RED		MIDDAY-MEAL	CREW CONF	CP RHO E W T O		HANDOVER			ND2 DDCU PP INST	PMC	02 T R M	02 RCNFG TO P/B

DAY/NIGHT																					
ORBIT	119	120	121	122	123	124	125	126	127												
TDRS	W -171																				
	E -46																				
	Z -275																				
ORB ATT	BIAS -XLV -ZVV										BIAS -XLV +YVV										
SSRMS	PDGF3 WS8																				
NOTES	*DEACT										*N2 INIT *N2 TERM *COMPACT *FILTER CK										

CT 10/30/07 (303)

MET Day 007

GMT 10/31/07 (304)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]	
	DAILY ORBIT	15	8
ISS ATT	TDRS	[Bar chart showing TDRS availability]	
	AVAIL	[Bar chart showing availability]	
ISS ATT		-XVV +ZLV TEA	
TLM FORMAT		JJK MNVR TO WATER DUMPH MNVR TO -XVV TEA	
DBS	EPS-2B1 BATT-CHARGE	EPS-2B1 BATT-CHARGE	
	EPS-4B1 BATT-CHARGE	EPS-4B1 BATT-CHARGE	
	RS-CONTG-TLM	RS-CONTG-TLM	
	ACS-AUTO H/O RS-INH	ACS-AUTO H/O RS-INH	
	DPC	DPC	
	PMC	PMC	
	CREW CONFERENCE	CREW CONFERENCE	
	ACS-CMG-DATA-DUMP	ACS-CMG-DATA-DUMP	
	ACS-CMG/STS ATT-H/O	ACS-CMG/STS ATT-H/O	
	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER	
KU	CREW CONFERENCE	CREW CONFERENCE	
	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER	
MCC	EHS-VOA-RUN	EHS-VOA-RUN	
	RS-CONTG-TLM	RS-CONTG-TLM	
	STS FCT H/O (3/1)	STS FCT H/O (3/1)	
	ISS FCT H/O (1/2)	ISS FCT H/O (1/2)	
	ACS-CMG-DATA-DUMP	ACS-CMG-DATA-DUMP	
RS	ACS-CMG/STS ATT-H/O	ACS-CMG/STS ATT-H/O	
	ACS-STC/CMG ATT-H/O	ACS-STC/CMG ATT-H/O	
PL			
SY			
NOTES			

GMT 10/31/07 (304)  
 Day 008



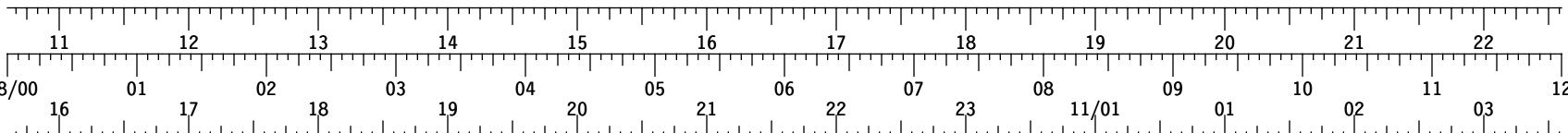
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		PLT ZAMKA	EVA PROCEDURE REVIEW	PRE SLEEP			SLEEP				
		MS1 PARAZYNSKI	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)				
		MS2 WILSON	EVA PROCEDURE REVIEW	PRE SLEEP	PRE SLEEP			SLEEP			
		MS3 WHEELLOCK	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)				
		MS4 NESPOLI	EVA PROCEDURE REVIEW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP				
		FE-2 DN ANDERSON	EVA PROCEDURE REVIEW	DPC	PRE SLEEP	SLEEP (8.5)					
E X P 1 6		ISS CDR WHITSON	EVA PROCEDURE REVIEW	DPC	PRE SLEEP	SLEEP (8.5)					
		FE-1 MALENCHENKO	EVA PROC REVIEW	DPC	PRE SLEEP	SLEEP (8.5)					
U P		FE-2 UP TANI	EVA PROCEDURE REVIEW	DPC	PRE SLEEP	SLEEP (8.5)					
DAY/NIGHT		[Timeline with day/night indicators]									
ORBIT		[Timeline with orbit indicators]									
TDRS		[Timeline with TDRS indicators]									
ORB ATT		[Timeline with orb att indicators]									
SSRMS		[Timeline with ssrms indicators]									
NOTES		*EXERCISE RED									

BIAS -XLV -ZVV  
 PDGF3 WS8

CT 10/31/07 (304)

MET Day 008 008/00

GMT 10/31/07 (304)



ISS ATT -XVV +ZLV TEA

TLM FORMAT -JKK

S D B	ACS-CMG-DATA-DUMP	IACS-CMG-DATA-DUMP	
	LOCK-OPS-RECORDER	ILOCK-OPS-RECORDER	
	ACS-STG/CMG ATT-H/O	IACS-STG/CMG ATT-H/O	
	ACS-MM-ACTIVATION	IACS-MM-ACTIVATION	
	DPC	IDPC	
	EVA-10.2 PSI OP-INIT	IEVA-10.2 PSI OP-INIT	
	IATCS-LTL FLOW-INIT	IIATCS-LTL FLOW-INIT	
	RS-CONTG-TLM	IRS-CONTG-TLM	
	ACS-AUTO H/O RS-ENA	IACS-AUTO H/O RS-ENA	
	EVA-A/L CAMPOUT-CNFG	IEVA-A/L CAMPOUT-CNFG	

K U	LOCK-OPS-RECORDER		
	C&T-UHF-INDEX CHANGE		IC&T-UHF-INDEX CHANGE

M C C	ACS-CMG-DATA-DUMP	IACS-CMG-DATA-DUMP	
	ACS-STG/CMG ATT-H/O	IACS-STG/CMG ATT-H/O	
	ISS FCT H/O (2/3)	IISS FCT H/O (2/3)	
	RS-CONTG-TLM	IRS-CONTG-TLM	
	ACS-AUTO H/O RS-ENA	IACS-AUTO H/O RS-ENA	
	STS FCT H/O (2/3)	IACS-AUTO H/O RS-ENA	
	CHECS-COMMANDING		ICHECS-COMMANDING

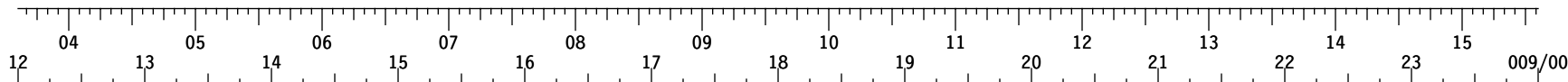
R S	ISS FCT H/O (3/1)		IISS FCT H/O (3/1)
	CHECS-KU D/L-CMD		ICHECS-KU D/L-CMD

P L	HMS-DEFIB DLY-CMD		IHMS-DEFIB DLY-CMD

S Y			

NOTES

GMT 11/01/07 (305)  
 Day 008



S T S - 1 2 0	<b>FD10</b> CDR MELROY	POST SLEEP	POST SLEEP	EXERCISE	EXERCISE	MEAL	EVA PROC RVW									
	PLT ZAMKA	POST SLEEP	EXERCISE	P/TV 07 S/U	P/TV EVA	EVA PROC RVW										
	<b>EV1</b> MS1 PARAZYNSKI	POST SLEEP	HYGN BREAK/PREBRTHE	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	EGRSS	T-RAD DTO EVA TASKS	INGRS	POST EVA W/H2O	EMU SWAP					
	MS2 WILSON	POST SLEEP	EXERCISE	TRANSFER	MEAL	TRANSFER	EVA PROC RVW									
	<b>EV2</b> MS3 WHEELLOCK	POST SLEEP	HYGN BREAK/PREBRTHE	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	EGRSS	<b>EVA 4 (4:45)</b> T-RAD DTO EVA TASKS	INGRS	POST EVA W/H2O	EVA PROC RVW					
	<b>IV</b> MS4 NESPOLI	POST SLEEP	HYGN BREAK	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	IV SUPPORT	POST EVA W/H2O	EMU SWAP							
	<b>IV2</b> FE-2 DN ANDERSON	POST SLEEP	PREP WORK	CAMPOUT EVA PREP	HANDOVER	EXERCISE TVIS	MIDDAY-MEAL	HANDOVER	EXERCISE TVIS	POST EVA W/H2O	EVA PROC RVW					
E X P 1 6	<b>IV2</b> ISS CDR WHITSON	POST SLEEP	HYGN BREAK	CAMPOUT EVA PREP	EMU PBRTHE	C/L DPRS	MIDDAY-MEAL	METX BATT	E/L PREP	EVA TOOL CONFIG	EXERCISE CEVIS	EXERCISE RED	PRE SLEEP	EVA TOOL CONFIG	EVA PROC RVW	
	FE-1 MALENCHENKO	POST SLEEP	PREP WORK	HANDOVER	ORIENTATION	EXERCISE TVIS	ORIENTATION	MIDDAY-MEAL	METX BATT	E/L PREP	EVA TOOL CONFIG	EXERCISE VELO	IMS EDIT	COX MNT	PRE SLEEP	EVA TOOL CONFIG
U P	FE-2 UP TANI	POST SLEEP	PREP WORK	CAMPOUT EVA PREP	HANDOVER	ND2 CCAA AVM RMV	MIDDAY-MEAL	HANDOVER	ND2 ZSR DEPLOY	EXERCISE CEVIS	FFQ	DCS TURN ARND	EVA PROC RVW			



ORB ATT SSRMS BIAS -XLV -ZVV PDGF3 WS8

NOTES \*FILTER CK \*COГC ИПД MNT

2-34

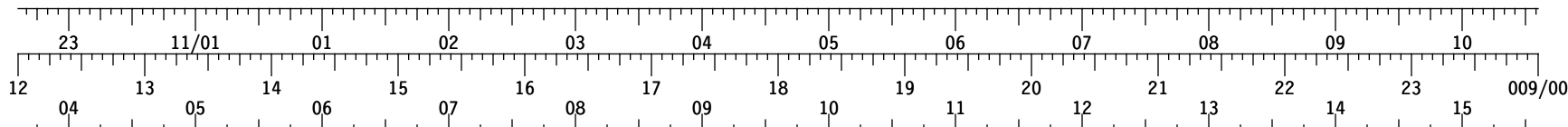
FLT PLN/120/FIN



CT 10/31/07 (304)

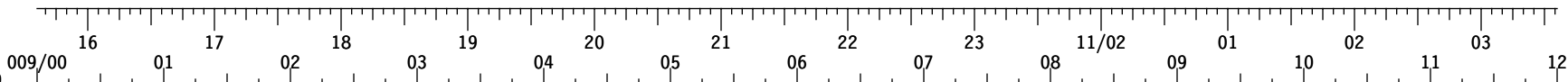
MET Day 008

GMT 11/01/07 (305)



ISS		
DAY/NIGHT		
DAILY ORBIT		
TDRS	AVAIL	
ISS ATT		
-XVV +ZLV TEA		
TLM FORMAT		
-JJK-		
S B D	EVA-HYG BRK/PREBRTHE	—EVA-HYG BRK/PREBRTHE
	ACS-AUTO H/O RS-INH	—EVA-HYG BRK/PREBRTHE
	VDS-WETA-ACT	—ACS-AUTO H/O RS-INH
	A/L-RAP DPRS-ENA	—VDS-WETA-ACT
	PPS-PCU FDIR-ENA	—A/L-RAP DPRS-ENA
	EVA-RAP DPRS-INH	—PPS-PCU FDIR-ENA
	EVA4 INHIBIT PAD	—EVA-RAP DPRS-INH
	EVA-10.2 PSI OP-TERM	—EVA4 INHIBIT PAD
		—EVA-10.2 PSI OP-TERM
		—EVA-10.2 PSI OP-TERM
K U	C&T-VIDEO-DECONFIG	—C&T-VIDEO-DECONFIG
	PPS-PCU FDIR-INH	—PPS-PCU FDIR-INH
	POST-EVA-SUPPORT	—POST-EVA-SUPPORT
	RS-CONTG-TLM	—RS-CONTG-TLM
	VDS-WETA-DEACT	—VDS-WETA-DEACT
M C C	IATCS-LTL FLOW-TERM	—IATCS-LTL FLOW-TERM
	CHECS-KU D/L-CMD	—CHECS-KU D/L-CMD
R S	CHECS-KU D/L-CMD	—CHECS-KU D/L-CMD
	STS FCT H/O (3/1)	—STS FCT H/O (3/1)
	ACS-AUTO H/O RS-INH	—ACS-AUTO H/O RS-INH
	EVA4 INHIBIT PAD	—EVA4 INHIBIT PAD
	ISS FCT H/O (1/2)	—ISS FCT H/O (1/2)
	STS-KU MASK-UPDATE	—STS-KU MASK-UPDATE
	STS FCT H/O (1/2)	—STS FCT H/O (1/2)
RS-CONTG-TLM	—RS-CONTG-TLM	
P L	DPC	—DPC
S Y		
NOTES		

GMT 11/01/07 (305)  
 Day 009

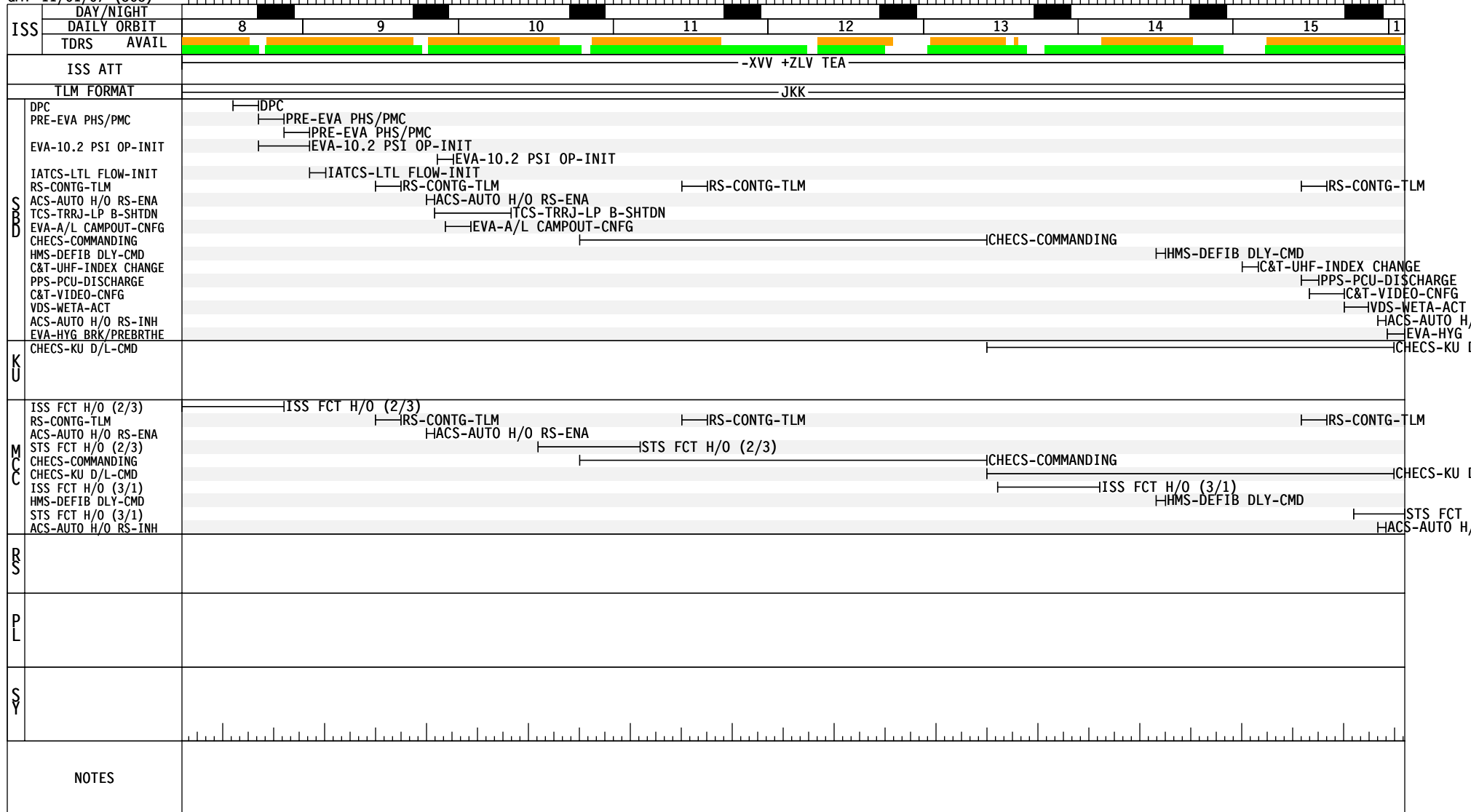


S T S - 1 2 0	FD10	CDR MELROY	EVA PROC RVW	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	POST SLEEP		
		PLT ZAMKA	EVA PROC RVW			PRE SLEEP	SLEEP	POST SLEEP		
		MS1 PARAZYNSKI	ES M W A P	P R O C			PRE SLEEP	SLEEP	POST SLEEP	
		MS2 WILSON	EVA PROC RVW	X B F R E I R E F			PRE SLEEP	SLEEP	POST SLEEP	
		MS3 WHEELock	EVA PROC RVW				PRE SLEEP	SLEEP	POST SLEEP	
		MS4 NESPOLI	ES M W A P	P R O C	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP	POST SLEEP	
		FE-2 DN ANDERSON	EVA PROC RVW	D P C F F Q			PRE SLEEP	SLEEP (8.5)	POST SLEEP	
E X P 1 6		ISS CDR WHITSON	EVA PROC RVW	P S R L E E P	EVA PHS PMC	P S R L E E P	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)	POST SLEEP
		FE-1 MALENCHENKO	EVA PROC RVW	PRE SLEEP	EVA PHS PMC		MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP (A/L)	POST SLEEP
U P		FE-2 UP TANI	EVA PROC RVW	D P C			PRE SLEEP	SLEEP (8.5)	POST SLEEP	
DAY/NIGHT										
ORBIT										
TDRS										
ORB ATT		BIAS -XLV -ZVV								
SSRMS		PDGF3 WS8								
NOTES		*ACT *DEACT								
		2-36 FLT PLN/120/FIN								

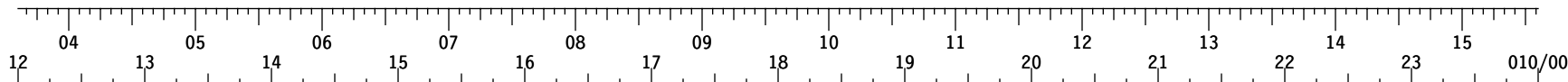
CT 11/01/07 (305)

MET Day 009 009/00

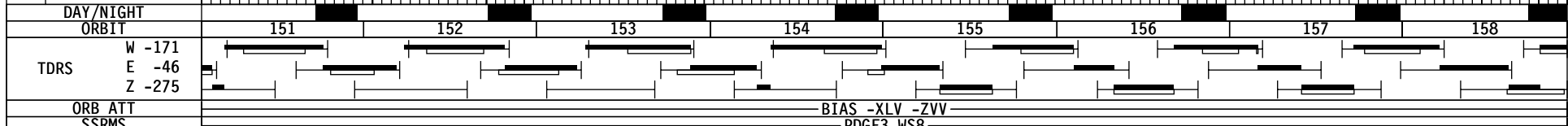
GMT 11/01/07 (305)



GMT 11/02/07 (306)  
 Day 009



S T S - 1 2 0	<b>FD11</b> CDR MELROY	POST SLEEP			OPCU*	INHD	CWC C/O	EXERCISE	CINCI #8	CTEWC #8	CXFER	PWR #6 FILL	MEAL	RPRS*	RPRS*	COMMI					
	PLT ZAMKA	POST SLEEP			MCIU*		EXERCISE	P/TV 07 S/U	P/TV EVA				MEAL	P/TV EVA		IWI TIS	P I W T I S				
	<b>IV2</b> MS1 PARAZYNSKI	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMURGE	EMU PBRTHE	C/L DPRS	P DPR	EXERCISE	EVA XFER PREP STS			MEAL	PRINTER SWAP	PGSC TRANSFER	PCS XFER	P R P R S	POST EVA W/H2O METOX			
	MS2 WILSON	POST SLEEP			EXERCISE		TRANSFER				MEAL	TRANSFER									
	MS3 WHEELock	POST SLEEP			TRANSFER				EVA XFER PREP STS			MEAL	TRANSFER		IWI EXERCISE						
	<b>IV2</b> MS4 NESPOLI	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMURGE	EMU PBRTHE	C/L DPRS	P C D M * P R	EMU BATT INIT	EXERCISE				MEAL	PRINTER SWAP	PGSC TRANSFER	PCS XFER	P R P R S	POST EVA W/H2O METOX		
	FE-2 DN ANDERSON	POST SLEEP	PREP WORK	HAM	AMIA REMOVAL	AMIA JMPR	HANDOVER		ITCS SAMPLE	ND2 RSR KBAR	EXERCISE TVIS		MEAL	IWI XFER	QD12 DCNCT	EXERCISE TVIS		EXE R	COX MNT	IMS EDIT	PREP WORK
E X P 1 6	<b>EV4</b> ISS CDR WHITSON	HYGN BREAK/PREBRTHE	CAMPOUT EVA PREP		EMURGE	EMU PBRTHE	C/L DPRS	P D E G R S S	SCS SAT PMA2/LAB UMB STOW	LAB CETA LIGHT	TEMP STOW STBD TRAY	<b>EVA 5 (6:30)</b>		BSP	REMOVE ACBM COVER	MATE SO/N1 SM POWER	TOOL PREP	INGRS	P R P R S	POST EVA W/H2O, MTX	
	<b>EV5</b> FE-1 MALENCHENKO	HYGN BREAK/PREBRTHE	CAMPOUT EVA PREP		EMURGE	EMU PBRTHE	C/L DPRS	P D E G R S S	SCS SAT PMA2/LAB UMB STOW	TEMP STOW PORT TRAY	P1 NTA BOLT RELEASE	REMOVE ACBM COVER	PMA1/FGH JMPR-CNFG	TOOL PREP	INGRS	P R P R S	POST EVA W/H2O, MTX				
U P	<b>IV</b> FE-2 UP TANI	POST SLEEP	PREP WORK	EXERCISE TVIS	HANDOVER				IV SUPPORT								PREP WORK	DPC			



ORB ATT SSRMS BIAS -XLV -ZVV PDGF3 WS8

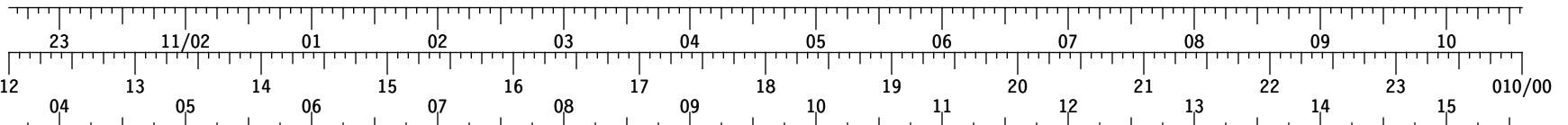
NOTES \*POST SLEEP \*DEACT \*FILTER CK \*Complete \*N2 INIT \*N2 TERM

2-38 FLT PLN/120/FIN No Exercise Besides IWIS

CT 11/01/07 (305)

MET Day 009

GMT 11/02/07 (306)



ISS	DAY/NIGHT	[Timeline with day/night indicators]	
	DAILY ORBIT	[Timeline with orbit indicators]	
	TDRS AVAIL	[Timeline with TDRS availability bars]	
ISS ATT		-XVV +ZLV TEA	
TLM FORMAT		-JJK	
DPRS	EVA-HYG BRK/PREBRTHE	EVA-HYG BRK/PREBRTHE	
	VDS-WETA-ACT	VDS-WETA-ACT	
	A/L-RAP DPRS-ENA	A/L-RAP DPRS-ENA	
	PPS-PCU FDIR-ENA	PPS-PCU FDIR-ENA	
	EVA-RAP DPRS-INH	EVA-RAP DPRS-INH	
	EVA5 INHIBIT PAD	EVA5 INHIBIT PAD	
	EVA-10.2 PSI OP-TERM	EVA-10.2 PSI OP-TERM	
	P1-SFU-SAFING	P1-SFU-SAFING	
	PPS-P6 BGA-LOCK	PPS-P6 BGA-LOCK	
	PMA2-HTR-SHUTDOWN	PMA2-HTR-SHUTDOWN	
	RS-CONTG-TLM	RS-CONTG-TLM	
	A/L-MTX REGEN-CNFG	A/L-MTX REGEN-CNFG	
	PPS-P6 BGA-OPEN LOOP	PPS-P6 BGA-OPEN LOOP	
	TCS-TRRJ LP B-INIT	TCS-TRRJ LP B-INIT	
	VDS-WETA-DEACT	VDS-WETA-DEACT	
	POST-EVA-SUPPORT	POST-EVA-SUPPORT	
	TCS-TRRJ-LP B-AUTO	TCS-TRRJ-LP B-AUTO	
	DPC	DPC	
KU			
MCC	STS FCT H/O (3/1)	STS FCT H/O (3/1)	
	EVA5 INHIBIT PAD	EVA5 INHIBIT PAD	
	ISS FCT H/O (1/2)	ISS FCT H/O (1/2)	
	STS-KU MASK-UPDATE	STS-KU MASK-UPDATE	
	STS FCT H/O (1/2)	STS FCT H/O (1/2)	
	RS-CONTG-TLM	RS-CONTG-TLM	
	NO-ISS EXERCISE	NO-ISS EXERCISE	
RS			
PL			
SY			
NOTES		*INIT	

GMT 11/02/07 (306)  
 Day 010



S T S - 1 2 0	FD11	CDR MELROY	PRE SLEEP	PMC OCA	PRE SLEEP	ISS EXTERNAL SURVEY				SLEEP	POST SLEEP	
		PLT ZAMKA	IWIS T/D		PRE SLEEP				SLEEP	POST SLEEP		
		MS1 PARAZYNSKI	POST EVA W/H2O METOX	EVA XFER PREP STS	PRE SLEEP				SLEEP	POST SLEEP		
		MS2 WILSON	X B F R E I R E F		PRE SLEEP				SLEEP	POST SLEEP		
		MS3 WHEELock	PRE SLEEP	EVA XFER PREP STS	PRE SLEEP				SLEEP	POST SLEEP		
		MS4 NESPOLI	POST EVA W/H2O METOX		PRE SLEEP				SLEEP	POST SLEEP		
		FE-2 DN ANDERSON	PREP WORK		PRE SLEEP				SLEEP (8.5)	POST SLEEP		
E X P 1 6		ISS CDR WHITSON	POST EVA W/H2O, MTX	PS EVA PHS PMC	PRE SLEEP				SLEEP (8.5)	POST SLEEP		
		FE-1 MALENCHENKO	POST EVA W/H2O, MTX	PRE SLEEP EVA PHS PMC	PRE SLEEP				SLEEP (8.5)	POST SLEEP		
U P		FE-2 UP TANI	PREP WORK		PRE SLEEP				SLEEP (8.5)	POST SLEEP		
DAY/NIGHT ORBIT												
TDRS		W -171 E -46 Z -275										
ORB ATT SSRMS		BIAS -XLV -ZVV PDGF3 WS8										
NOTES		2-40 <span style="float: right;">FLT PLN/120/FIN</span>										



GMT 11/03/07 (307)  
 Day 010

12 04 13 05 14 06 15 07 16 08 17 09 18 10 19 11 20 12 21 13 22 14 23 15 011/00

S T S - 1 2 0	FD12	CDR MELROY	POST SLEEP	EXERCISE	PGS MTR ANR 2DAP	PEAVOENT	IMU	PMA2 CBM BOLT	MEAL	BYE	HATCH CLOSE	H O A T T	ODS LEAK CHECK	OFF DUTY				PFC OCA	OFF	PRE SLEEP	H O A T T	PRE SLEEP
	PLT ZAMKA	POST SLEEP	ILLUM	RRS*	02 SYS TEARDOWN	MCIU*	RRS*	P/TV 04 S/U	MEAL	BYE	BPSMU	P/TV 04 OPS	EXERCISE	OFF DUTY	PFC OCA	OFF DUTY				COM M 2	PRE SLEEP	
	MS1 PARAZYNSKI	POST SLEEP	EVA XFER STS	UBNSOTWD	BOLP OSOD	BOLP OSOD	STOW	MEAL	BYE	RNDZ TOOLS C/O	OFF DUTY				PFC OCA	OFF DUTY		EXERCISE				
	MS2 WILSON	POST SLEEP	P/TV 05 S/U	EXERCISE	MEAL	BYE	HATCH CLOSE	ODS LEAK CHECK	OFF DUTY				PFC OCA	OFF DUTY		PRE SLEEP						
	MS3 WHEELLOCK	POST SLEEP	TERM*	EMU EVA TOOL XFER	TRANSFER	XBFR EREF	MEAL	BYE	EXERCISE	OFF	PFC OCA	OFF DUTY				PRE SLEEP						
	MS4 NESPOLI	POST SLEEP	EXERCISE	PEAVOENT	MEAL	BYE	RNDZ TOOLS C/O	OFF DUTY				PFC OCA	PRE SLEEP									
	FE-2 DN ANDERSON	POST SLEEP	PREP WORK	DPC	DCB FAM	CGBA	DCB2 PACK	S/U	DCB1 PACK	EXERCISE TVIS	MIDDAY-MEAL	BYE	EXERCISE	OFF DUTY				PFC OCA	OFF DUTY	PRE SLEEP		
E X P 1 6	ISS CDR WHITSON	POST SLEEP	PREP WORK	DPC	EXERCISE RED	PMA2 02/N2 HOSE STOW	IBL MONO D	MIDDAY-MEAL	BYE	HATCH CLOSE	LAB FWD CPA INSTALL	CBCS TARGET INST	HATCH THRML CVR	FFQ	EXERCISE TVIS	IMS EDIT	PREP WORK	EX	DPC	PREP WORK	PRE SLEEP	
	FE-1 MALENCHENKO	POST SLEEP	PREP WORK	DPC	DCS T/D	02 SYS TEARDOWN	EXERCISE CEVIS	MIDDAY-MEAL	BYE	M E T X *	LAB FWD CPA INSTALL	CBO-ΠΦ-MNT	CB-C-MNT		EXERCISE RED	DPC	PREP WORK	PRE SLEEP				
U P	FE-2 UP TANI	POST SLEEP	PWD	DPC	DCB FAM	DCB2 PACK	DCB1 PACK	P I B M L M O N O D	P H O T O	MIDDAY-MEAL	BYE	LAB FWD CPA INSTALL	COX MNT	PMA2-DEPRESS	EXERCISE CEVIS	PMA2 LEAK CK	PWD	P P M A 2 P L K M	PRE SLEEP			

DAY/NIGHT ORBIT	166	167	168	169	170	171	172	173	174
TDRS W -171	[Timeline bars]								
E -46	[Timeline bars]								
Z -275	[Timeline bars]								

ORB ATT SSRMS BIAS -XLV -ZVV PDGF3 WS8 \*TERM

NOTES \*FAN DEACT @MBW-12-EXP-INIT \*N2 INIT \*EMU \*FILTER CK \*N2 TERM 2-42

FLT PLN/120/FIN



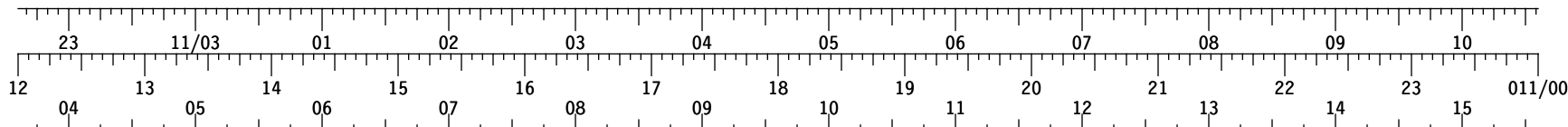
CT 11/02/07 (306)

β =

MET Day 010

FD12

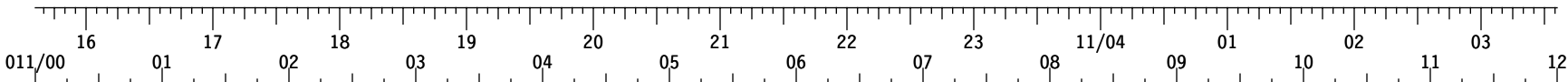
GMT 11/03/07 (307)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]																							
	DAILY ORBIT	16	1	2	3	4	5	6	7	8															
	TDRS AVAIL	[Bar chart showing TDRS availability]																							
ISS ATT		-XVV +ZLV TEA																							
TLM FORMAT		JJK																							
DBS	DPC	-----IDPC----- -----IDPC-----																							
	ACS-CMG/STS ATT-H/O	-----IACS-CMG/STS ATT-H/O-----																							
	CBM-LAB FWD-ACT&C/O	-----CBM-LAB FWD-ACT&C/O-----																							
	PMA2-DEPRESS	-----PMA2-DEPRESS-----																							
	PPS-SARJ ODEG-POSN	-----PPS-SARJ ODEG-POSN-----																							
	RS-CONTG-TLM	-----IRS-CONTG-TLM-----																							
	ACS-MM-ACTIVATION	-----IACS-MM-ACTIVATION-----																							
	ACS-CMG-DATA-DUMP	-----IACS-CMG-DATA-DUMP-----																							
KU	LOCK-OPS-RECORDER	-----IACS-LOCK-OPS-RECORDER-----																							
	LOCK-OPS-RECORDER	-----IACS-LOCK-OPS-RECORDER-----																							
MCC	ISS FCT H/O (1/2)	-----ISS FCT H/O (1/2)-----																							
	ACS-CMG/STS ATT-H/O	-----IACS-CMG/STS ATT-H/O-----																							
	STS FCT H/O (1/2)	-----STS FCT H/O (1/2)-----																							
	RS-CONTG-TLM	-----IRS-CONTG-TLM-----																							
	ACS-CMG-DATA-DUMP	-----IACS-CMG-DATA-DUMP-----																							
RSP	ACS-STC/CMG ATT-H/O	-----IACS-STC/CMG ATT-H/O-----																							
	ACS-STC/CMG ATT-H/O	-----IACS-STC/CMG ATT-H/O-----																							
PL	ALTEA-DOSI-OPS	-----ALTEA-DOSI-OPS-----																							
	CGBA5-PL-RES TRACK	-----ICGBA5-PL-RES TRACK-----																							
	EMCS-RESOURCES-CMD	-----EMCS-RESOURCES-CMD-----																							
	EXPRS3-SYS-PWR/THERM	-----EXPRS3-SYS-PWR/THERM-----																							
	MELFI-DEWAR 1-OPS	-----MELFI-DEWAR 1-OPS-----																							
	MELFI-DEWAR 2-OPS	-----MELFI-DEWAR 2-OPS-----																							
	MELFI-DEWAR 3-OPS	-----MELFI-DEWAR 3-OPS-----																							
	MELFI-DEWAR 4-OPS	-----MELFI-DEWAR 4-OPS-----																							
	MULT-RUN-PART2	-----MULT-RUN-PART2-----																							
	XPRS4-SYS-PWR/THERM1	-----XPRS4-SYS-PWR/THERM1-----																							
SY	PRO-MULT-FILE-CMD	-----PRO-MULT-FILE-CMD-----																							
	MULT-FILEUP-CMD	-----MULT-FILEUP-CMD-----																							
	MULT-FILEUP-CMD	-----MULT-FILEUP-CMD-----																							
	ALTEA-CNSM-DATA REC	-----ALTEA-CNSM-DATA REC-----																							
NOTES																									

GMT 11/03/07 (307)

MET Day 011



S T S - 1 2 0	<b>FD12</b> CDR MELROY	PS R L E E P PMC A/G	PRE SLEEP	SLEEP	LOG	POST SLEEP	
	PLT ZAMKA		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS1 PARAZYNSKI		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS2 WILSON		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS3 WHEELOCK		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS4 NESPOLI		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	FE-2 DN ANDERSON		PRE SLEEP	SLEEP		POST SLEEP	
E X P 1 6	ISS CDR WHITSON		PRE SLEEP	SLEEP (8.5)		POST SLEEP	PREP WORK
	FE-1 MALENCHENKO		PRE SLEEP	SLEEP (8.5)		POST SLEEP	PREP WORK
U P	FE-2 UP TANI		PRE SLEEP	SLEEP (8.5)		POST SLEEP	PREP WORK



ORB ATT BIAS -XLV -ZVV  
SSRMS PDGF3 WS8

NOTES

CT 11/03/07 (307)

MET Day 011 011/00

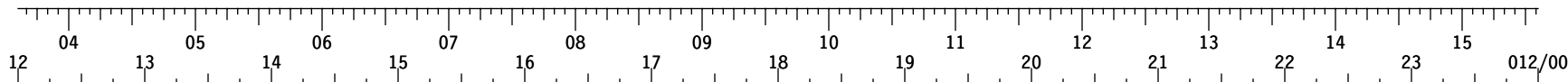
GMT 11/03/07 (307)



ISS	DAY/NIGHT	DAILY ORBIT	TDRS	AVAIL
		8	9	10
		11	12	13
		14	15	16
		-XVV +ZLV TEA		
		JJK		
		JJK		
		JJK		
S D B	ACS-CMG-DATA-DUMP	IACS-CMG-DATA-DUMP		
	LOCK-OPS-RECORDER	ILOCK-OPS-RECORDER		
	RS-CONTG-TLM	IIRS-CONTG-TLM		
	ACS-AUTO H/O RS-ENA	IACS-AUTO H/O RS-ENA		
	HMS-DEFIB DLY-CMD	IHMS-DEFIB DLY-CMD		
	ACS-ATT-CCDB-UPDATE	IACS-ATT-CCDB-UPDATE		
	ACS-GNC-PPL-U/D	IACS-GNC-PPL-U/D		
	AR-CDRA-DEACT	IAR-CDRA-DEACT		
	CCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP		
	MSS-P/U	IMSS-P/U		
C&T-VIDEO-CNFG	IC&T-VIDEO-CNFG			
SDMS-PPL-UPLINK	ISDMS-PPL-UPLINK			
ACS-AUTO H/O RS-INH	IACS-AUTO H/O RS-INH			
C&T-UHF-INDEX CHANGE	IC&T-UHF-INDEX CHANGE			
CDH-INH VALID-CK	ICDH-INH VALID-CK			
SPS-PWRDOWN	ISPS-PWRDOWN			
PPS-SARJ/BGA-FTHR	IPPS-SARJ/BGA-FTHR			
DPC	IDPC			
K U	LOCK-OPS-RECORDER	ILOCK-OPS-RECORDER		
M C C	ACS-CMG-DATA-DUMP	IACS-CMG-DATA-DUMP		
	ISS FCT H/O (2/3)	IISS FCT H/O (2/3)		
	RS-CONTG-TLM	IIRS-CONTG-TLM		
	ACS-AUTO H/O RS-ENA	IACS-AUTO H/O RS-ENA		
	STS FCT H/O (2/3)	ISTS FCT H/O (2/3)		
	HMS-DEFIB DLY-CMD	IHMS-DEFIB DLY-CMD		
	CCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP		
	ISS FCT H/O (3/1)	IISS FCT H/O (3/1)		
	ACS-AUTO H/O RS-INH	IACS-AUTO H/O RS-INH		
	STS FCT H/O (3/1)	ISTS FCT H/O (3/1)		
SPS-PWRDOWN	ISPS-PWRDOWN			
P L	EMCS-RESOURCES-CMD	IEMCS-RESOURCES-CMD		
	EXPRS3-SYS-PWR/THERM	IEXPRS3-SYS-PWR/THERM		
	MELFI-DEWAR 1-OPS	IMELFI-DEWAR 1-OPS		
	MELFI-DEWAR 2-OPS	IMELFI-DEWAR 2-OPS		
	MELFI-DEWAR 3-OPS	IMELFI-DEWAR 3-OPS		
	MELFI-DEWAR 4-OPS	IMELFI-DEWAR 4-OPS		
	MULT-RUN-PART2	IMULT-RUN-PART2		
	XPRS4-SYS-PWR/THERM1	IXPRS4-SYS-PWR/THERM1		
	ALTEA-CNSM-DATA REC	IALTEA-CNSM-DATA REC		
	MELFI-DEWAR-CMD1	IMELFI-DEWAR-CMD1		
MELFI-RACK-OPS	IMELFI-RACK-OPS			
S Y		2-45		
		FLT PLN/120/FIN		
NOTES				

NOTES

GMT 11/04/07 (308)  
 Day 011



S T S - 1 2 0	FD13 R3 CDR MELROY	PS OL SE TE P	GR RR UP B	H/O ATT	M N V D R K	UNDOCK OPS	FLYAROUND/SEP	MEAL	H T R B	A P U B	C A B T	M S N T V B R D	EXERCISE	M N O V S R E	M P N O V R T	PORT WING SRVY	- Z X L V V	I M U	PRE SLEEP
	R2, R1 PLT ZAMKA	PS OL SE TE P	GR RR UP B	POST SLEEP	UNDOCK OPS	FLYAROUND/SEP	MEAL	S I M O	S I M O	EXERCISE	NOSE CAP SURVEY	PORT WING SRVY	OBSS BERTH	R P M W S D N *	PRE SLEEP				
	R1 MS1 PARAZYNSKI	POST SLEEP	UNDOCK OPS	FLYAROUND/SEP	MEAL	OBSS UNBERTH	STBD WING SRVY	POST ISS EVA ENT PRP	EVA STOW	EXERCISE	PRE SLEEP								
	R2, R1 MS2 WILSON	POST SLEEP	C/L CAMR INST	UNDOCK OPS	FLYAROUND/SEP	MEAL	STBD WING SRVY	NOSE CAP SURVEY	PORT WING SRVY	OBSS BERTH	R P M W S D N *	PRE SLEEP							
	MS3 WHEELock	POST SLEEP	C/L CAMR INST	UNDOCK OPS	FLYAROUND/SEP	MEAL	EMU INSTL	EXERCISE	POST ISS EVA ENT PRP	EVA STOW	PRE SLEEP								
	R2, R1 MS4 NESPOLI	POST SLEEP	UNDOCK OPS	FLYAROUND/SEP	MEAL	OBSS UNBERTH	STBD WING SRVY	NOSE CAP SURVEY	EXERCISE	PRE SLEEP	LDRI PLBK								
	FE-2 DN	POST SLEEP	P/TV03 S/U	P/TV03 UNDOCK OPS	UNDK PLBK	P D E / T A V C T	MEAL	EMU INSTL	EXERCISE	PRE SLEEP	P M C / A / G								
E X P 1 6	ISS CDR WHITSON	DPC	SSRMS MT TRANS	0-OHA TEST	U V N I D D E K E O	OFF DUTY	MIDDAY-MEAL	OFF DUTY	OBT-COMBO EMER-DRILL	TVIS MNT	EXERCISE TVIS	EXERCISE RED	EXER	PFC					
	FE-1 MALENCHENKO	DPC	I W I S / I W I S / T / D	EXERCISE VELO	OFF DUTY	MIDDAY-MEAL	OFF DUTY	PFC	O T - O S H T A	⊕	МБИ-21-FE1-EXE	EXERCISE TVIS	IMS EDIT	COX MNT					
	FE-2 UP TANI	DPC	SSRMS MT TRANS	VTR CBL	PMA2 DPRT CNFG	OFF DUTY	MIDDAY-MEAL	OFF DUTY	OBT-COMBO EMER-DRILL	0-OHA TEST	B S P T S O M W U / C E V S *	EXERCISE RED	EXERCISE CEVIS	H O C O M E *	P S R L E E P				



NOTES: \*HTR, \*UNDOCK (11/13:53), \*DEACT, \*FILTER CK, \*RS-US COM, \*Stow MPMS, \*Stow MPMS, \*ROUTER REBOOT, \*PRE SLEEP

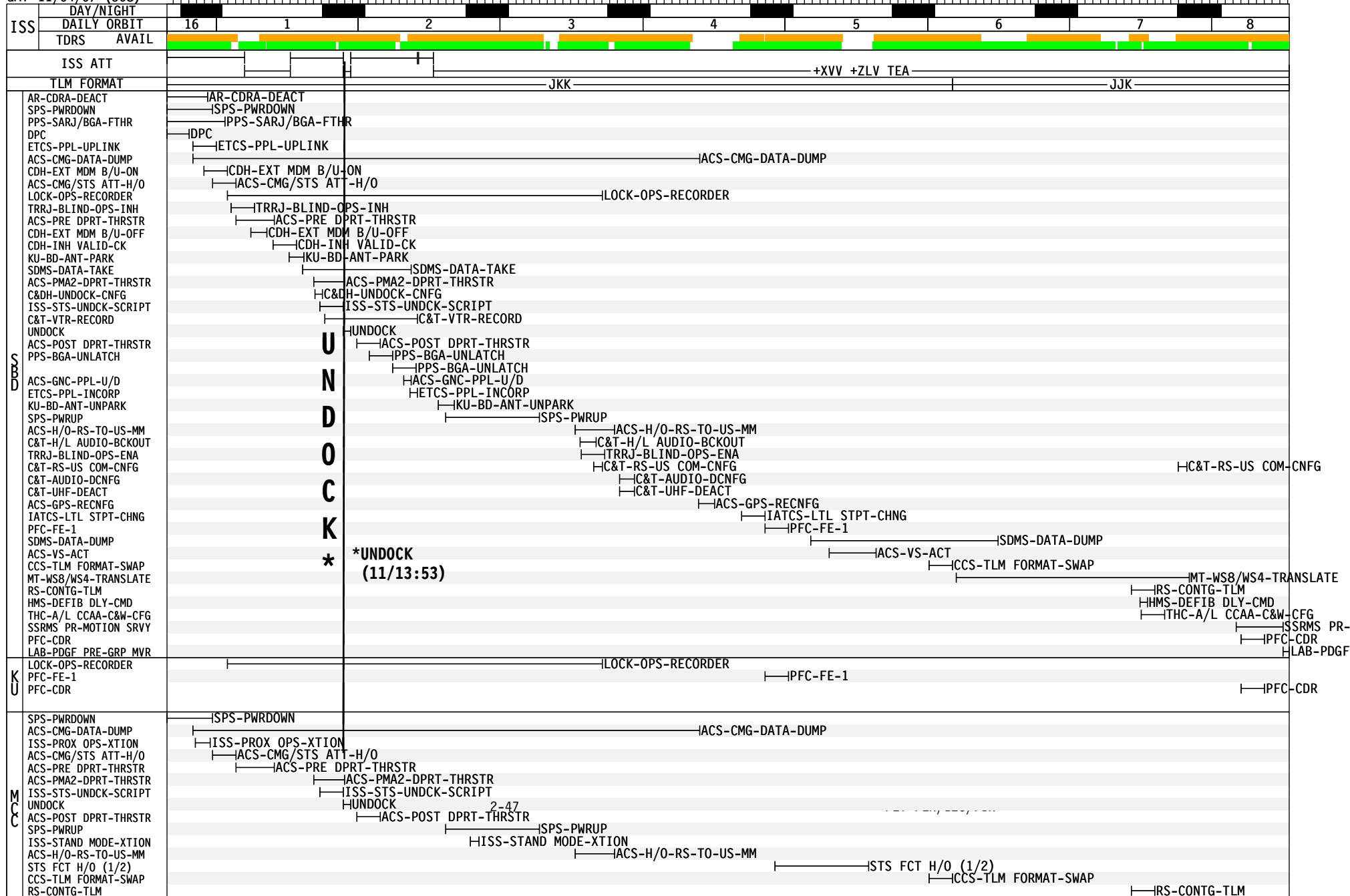
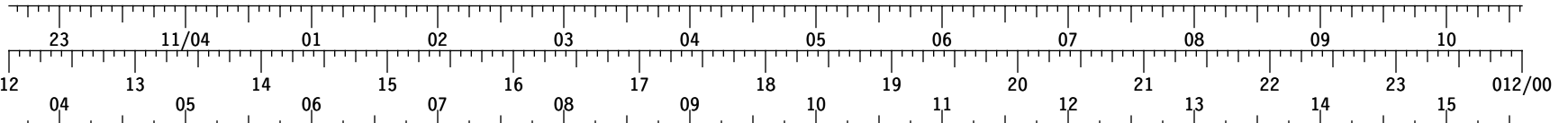
2-46

МБИ-12-EXP-DCNCT, МБИ-12-DWNLD, \*Protocol Xfer, FLT PLN/120/FIN

CT 11/03/07 (307)

MET Day 011

GMT 11/04/07 (308)



UNDOCK

\*UNDOCK (11/13:53)

DPRS

KU

CM

+XVV +ZLV TEA

JJK

JJK

H&T-RS-US COM-CNFG

IACS-VS-ACT

CCS-TLM FORMAT-SWAP

MT-WS8/WS4-TRANSLATE

IRS-CONTG-TLM

HMS-DEFIB DLY-CMD

ITHC-A/L CCAA-C&W-CFG

SSRMS PR-I

IPFC-CDR

LAB-PDGF

IPFC-FE-1

IPFC-CDR

LOCK-OPS-RECORDER

IACS-CMG-DATA-DUMP

ISS-PROX OPS-XTION

ACS-CMG/STS ATT-H/O

ACS-PRE DPRT-THRSTR

ACS-PMA2-DPRT-THRSTR

ISS-STS-UNDOCK-SCRIPT

UNDOCK

ACS-POST DPRT-THRSTR

SPS-PWRUP

ISS-STAND MODE-XTION

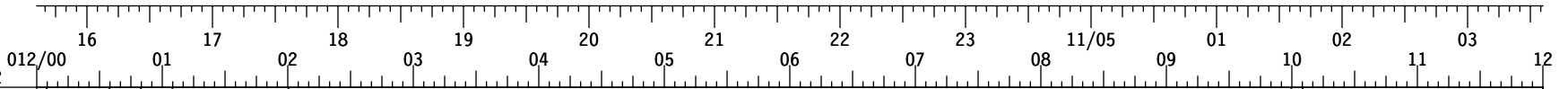
ACS-H/O-RS-TO-US-MM

STS FCT H/O (1/2)

CCS-TLM FORMAT-SWAP

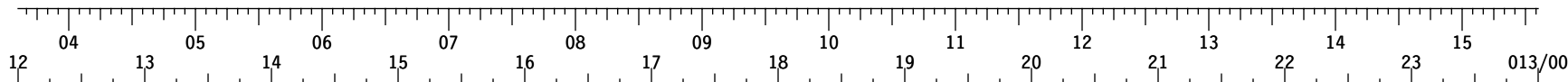
RS-CONTG-TLM

GMT 11/04/07 (308)  
 Day 012



S T S - 1 2 0	<b>FD13</b>	NC5 RCS BURN	PS RL EEP PMC EA/G	PRE SLEEP	SLEEP	LOG	POST SLEEP	
	PLT ZAMKA	RCS BURN		PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS1 PARAZYNSKI			PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS2 WILSON			PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS3 WHEELLOCK			PRE SLEEP	SLEEP	LOG	POST SLEEP	
	MS4 NESPOLI	LDRI PLBK		PRE SLEEP	SLEEP	LOG S LA OL GV A	POST SLEEP P S O L S E T E P S A L V A	
	MS5 ANDERSON			PRE SLEEP	SLEEP		POST SLEEP	
DAY/NIGHT		[Bar chart showing day/night cycle]						
ORBIT		190 191 192 193 194 195 196 197 198						
TDRS		W -171 E -46 Z -275 [Bar chart showing TDRS events]						
ORB ATT		-NC5 -DFR -WSS -DFR -WSS -ZLV -XVV -DFR						
GND		-DFR -WSS -DFR -WSS -DFR -DFR -MLA -DFR -MLA						
NOTES								

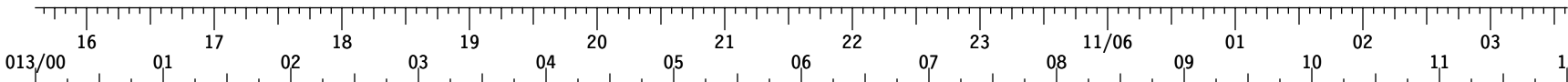
GMT 11/05/07 (309)  
 MET Day 012



STS-120	<b>FD14</b>	CDR MELROY	POST SLEEP	CABIN STOW	FCS C/O	RCS H/F	CABIN STOW	EXERCISE	CABIN STOW	D/O BRIEF	PEAVOENT	MEAL	LCOMM	CABIN STOW	LCOMM	CABIN STOW	PILOT OPS	PRE SLEEP		
		PLT ZAMKA	POST SLEEP	FILTER CLEANING	FCS C/O	RCS H/F	CABIN STOW	EXERCISE		D/O BRIEF	PEAVOENT	MEAL	MDNUMPR	WANSITTE	WTAE R TME	CWC DUMP	--ZLVV	PILOT OPS	KUSTO	PRE SLEEP
		MS1 PARAZYNSKI	POST SLEEP	CABIN STOW	EXERCISE		CABIN STOW	UBNSOTWD	BOLPOD	STOW	D/O BRIEF	PEAVOENT	MEAL	ERG STOW	LAUNCH ENTRY SUIT CK	RCMBNT SEAT S/U	CABIN STOW	PSRTNTR	PDGE SACC	PRE SLEEP
		MS2 WILSON	POST SLEEP	CABIN STOW	FCS C/O	RCS H/F	EXERCISE	CABIN STOW	PAOP/TVS/U	D/O BRIEF	PEAVOENT	MEAL		CABIN STOW		MADS	PILOT S/U	PILOT OPS	PRE SLEEP	
		MS3 WHEELLOCK	POST SLEEP	CABIN STOW	EXERCISE		CABIN STOW			D/O BRIEF	PEAVOENT	MEAL	ERG STOW	LAUNCH ENTRY SUIT CK	RCMBNT SEAT S/U	WDELEASCT	CABIN STOW	WDELEASCT	PRE SLEEP	
		MS4 NESPOLI	POST SLEEP	EXERCISE	FRED STOW		CABIN STOW	SALVA	EVTDRYO	BDLR AOWD	D/O BRIEF	PEAVOENT	MEAL	SDSEVACT	FRITL	SALVA	CABIN STOW		PRE SLEEP	
		MS5 ANDERSON	POST SLEEP	CABIN STOW	EXERCISE		CABIN STOW			D/O BRIEF	PEAVOENT	MEAL		CABIN STOW				PRE SLEEP	PMCA/G	
DAY/NIGHT		[Timeline bars for Day/Night]																		
ORBIT		[Timeline bars for Orbit]																		
TDRS		[Timeline bars for TDRS]																		
ORB ATT		[Timeline bars for Orb Att]																		
GND		[Timeline bars for GND]																		
NOTES		*HEATER ACT																		

GMT 11/05/07 (309)

MET Day 013

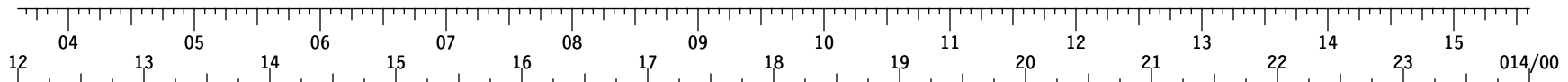


STS-120	<b>FD14</b>	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	LOG	POST SLEEP	PMC A/G	POST SLEEP	
	CDR MELROY									
	PLT ZAMKA	PRE SLEEP			SLEEP	LOG	POST SLEEP			
	MS1 PARAZYNSKI	PRE SLEEP			SLEEP	LOG	POST SLEEP			
	MS2 WILSON	PRE SLEEP			SLEEP	LOG	POST SLEEP			
	MS3 WHELLOCK	PRE SLEEP			SLEEP	LOG	POST SLEEP			
	MS4 NESPOLI	PRE SLEEP	SAS	PRE SLEEP	SLEEP	LOG	POST SLEEP			
MS5 ANDERSON	PRE SLEEP			SLEEP		POST SLEEP				
DAY/NIGHT		[Day/Night Cycle Diagram]								
ORBIT		[Orbit Cycle Diagram]								
TDRS		[TDRS Cycle Diagram]								
ORB ATT		[Orbit Attitude Diagram]								
GND		[Ground Operations Legend: WSS, DFR, MLA]								
NOTES		[Notes Section]								



GMT 11/06/07 (310)

MET Day 013



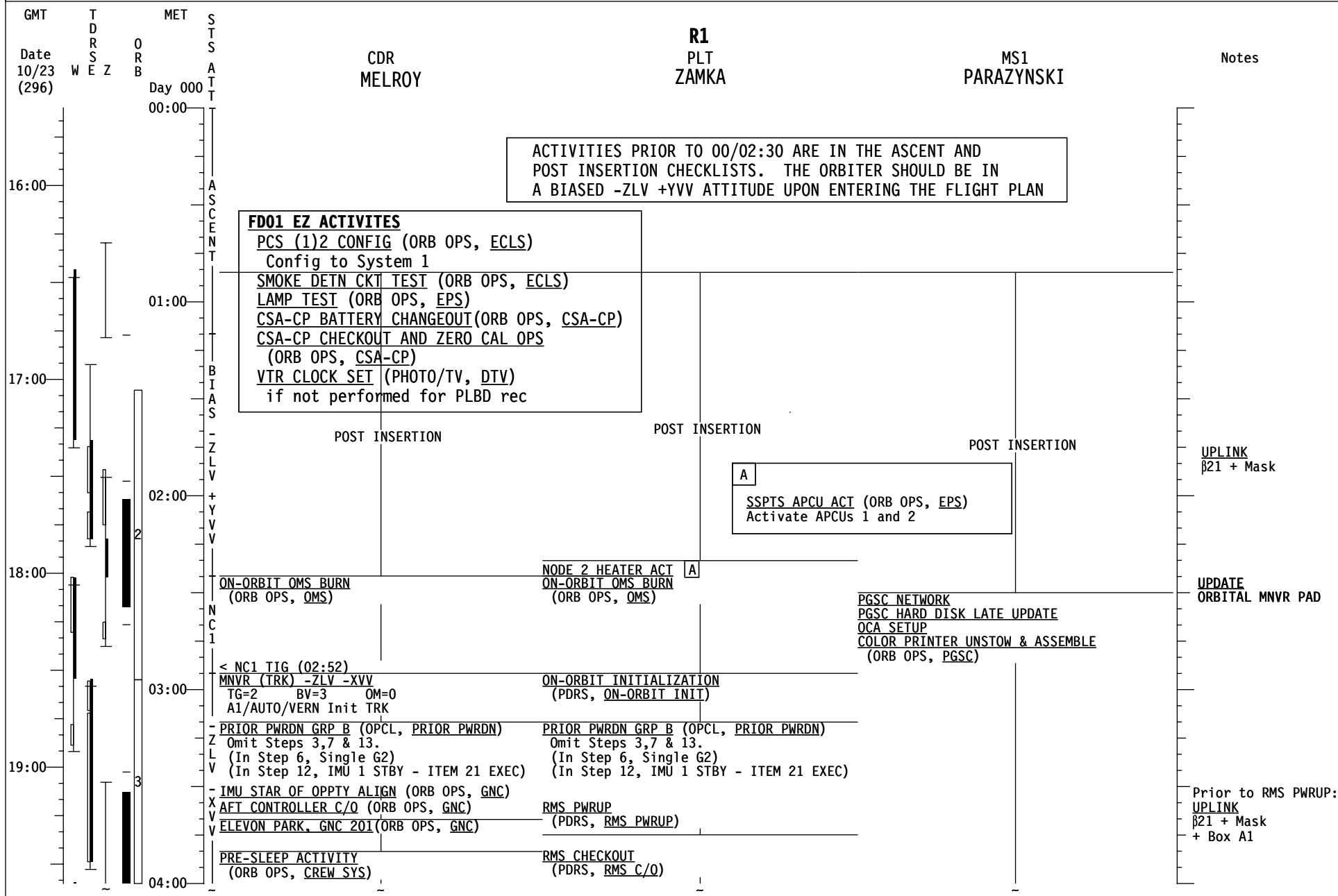
STS-120	<b>FD15</b>	MG AR TP CH	PP RR UP	IMU ALIGN & VERIF	-X S I	DEORBIT PREP	D E O R B I T B U R N	K S C L A N D I N G	
	CDR MELROY	MG AR TP CH	PP RR UP		TE PC	DEORBIT PREP			
	PLT ZAMKA	MG AR TP CH	PP RR UP			DEORBIT PREP			
	MS1 PARAZYNSKI		POST SLEEP		WA IT CH	DEORBIT PREP			
	MS2 WILSON		POST SLEEP		WA IT CH	DEORBIT PREP			
	MS3 WHEELLOCK		POST SLEEP	GS IT RO AW	WA IT CH	DEORBIT PREP			
	MS4 NESPOLI		POST SLEEP	OS CT AO CW	WA IT CH	DEORBIT PREP			#
MS5 ANDERSON		POST SLEEP		WA IT CH	DEORBIT PREP	* # *			
DAY/NIGHT		[Day/Night bar chart showing alternating light and dark segments]							
ORBIT		[Orbit bar chart showing segments for days 214, 215, 216, 217, 218, 219, 220, 221]							
TDRS		[TDRS bar chart showing segments for W -171, E -46, Z -275]							
ORB ATT		[Orbit Attitude bar chart showing segments for IMU, -XSI, COMM, ENTRY, -MLA, -WSS, -DFR]							
GND		[Ground operations bar chart showing segments for -WSS, -DFR, -MLA]							
NOTES		<p># SBDI 1503 (Midodrine)</p> <p><b>*DEORBIT TIG (13/17:07) *LANDING (13/18:09)</b></p>							

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DETAILED TIMELINE

DETAILED  
TIMELINE

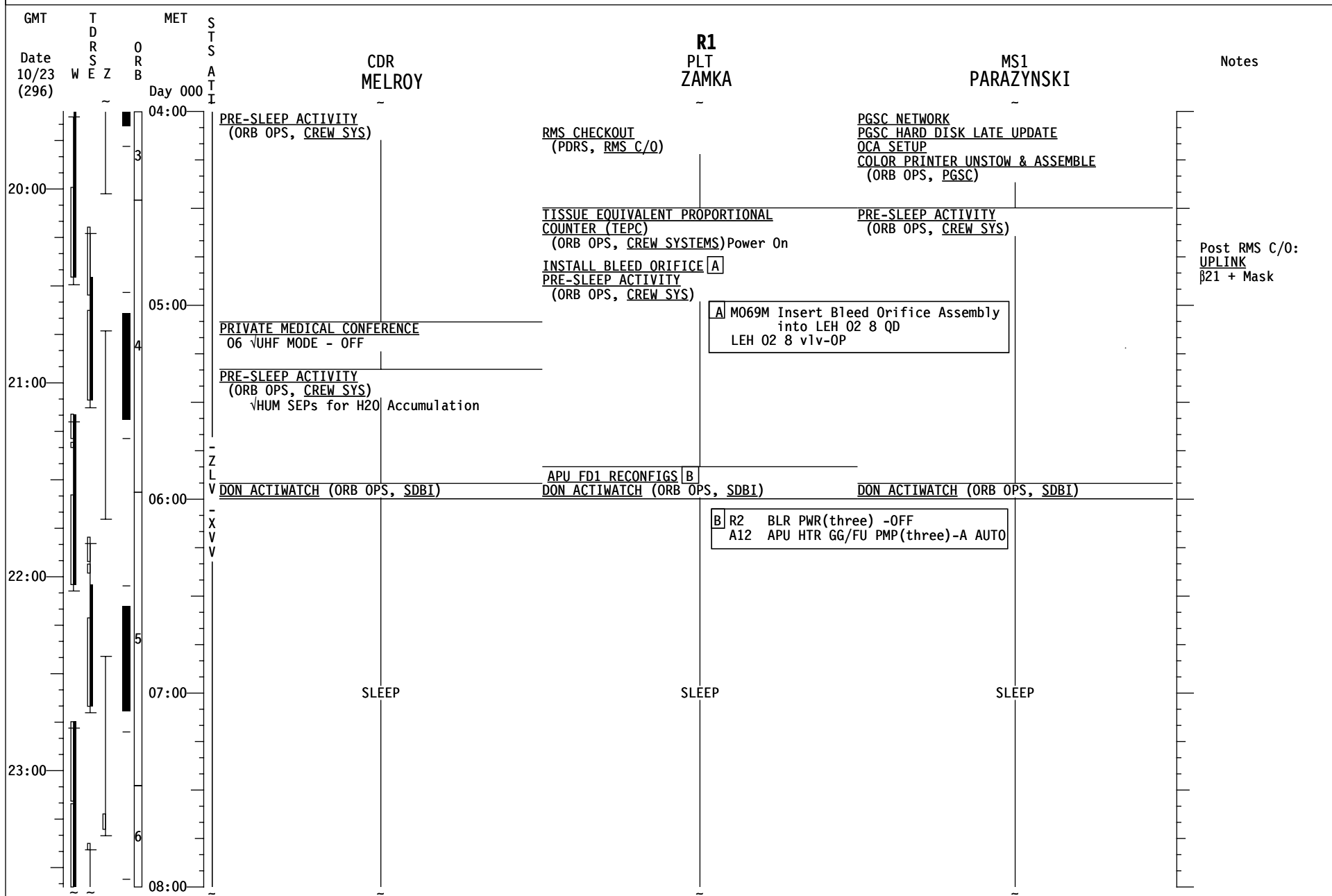
# STS-120 FD01



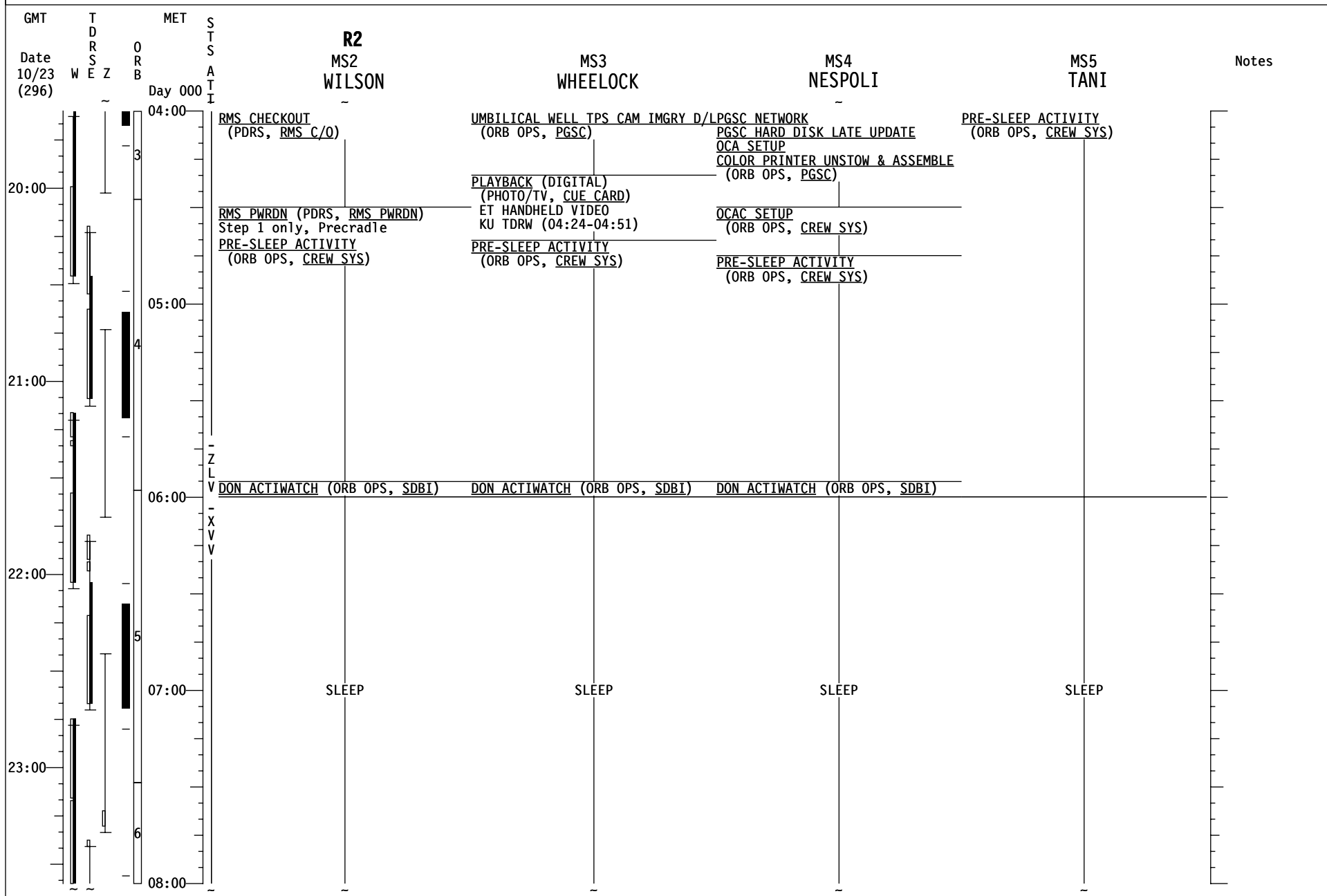
# STS-120 FD01

GMT	TDRS W E Z	MET ORB Day 000	S T S A T T	R2 MS2 WILSON	MS3 WHEELOCK	MS4 NESPOLI	MS5 TANI	Notes
16:00		00:00	A S C E N T					
17:00		01:00	B I A S	POST INSERTION	POST INSERTION	POST INSERTION	POST INSERTION	
18:00		02:00	- Z L V + Y V V	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	GIRA INSTALLATION (ORB OPS, ECLS)	PGSC NETWORK PGSC HARD DISK LATE UPDATE OCA SETUP COLOR PRINTER UNSTOW & ASSEMBLE (ORB OPS, PGSC)	FRED SETUP (ORB OPS, FRED)	
19:00		03:00	N C 1 - Z L V				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
04:00		04:00	- X V V	DATE/TIME SET (PHOTO/TV, DCS 760) RMS CHECKOUT (PDRS, RMS C/O)	WLES ACTIVATION AND CHECKOUT (ORB OPS, WLE SENSORS) Prior to start, \Late Update complete on WLES & RPOP2 A31Ps. DCS FILE XFER (PHOTO/TV, DCS 760) ET HANDHELD PHOTOS		Post GIRA, SHUTTLE EMER EYEWASH (SEE) Unstow, attach on or near galley. Fill one drink container. Label "FOR EYE RINSE ONLY", and attach on or near galley.	

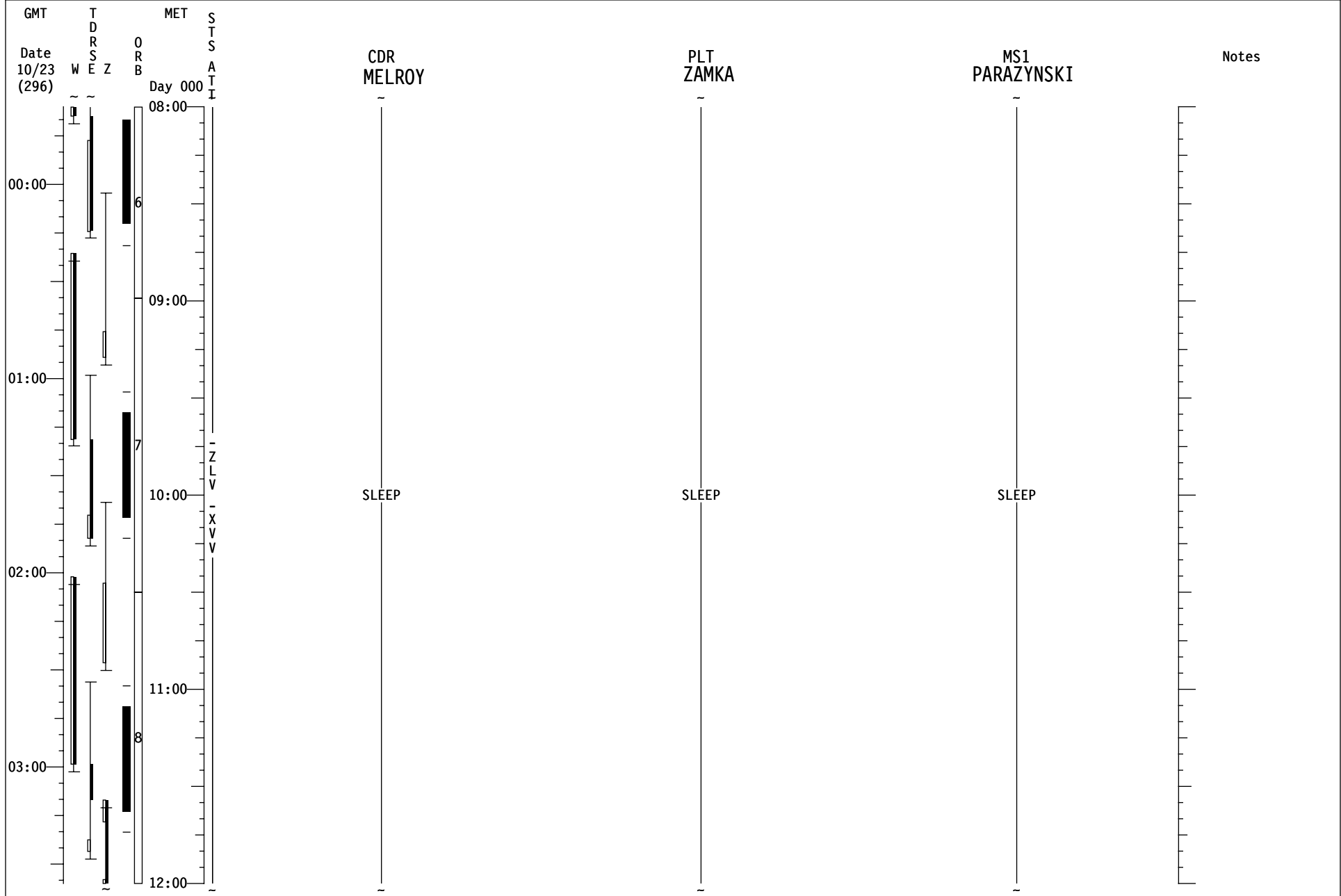
# STS-120 FD01



# STS-120 FD01

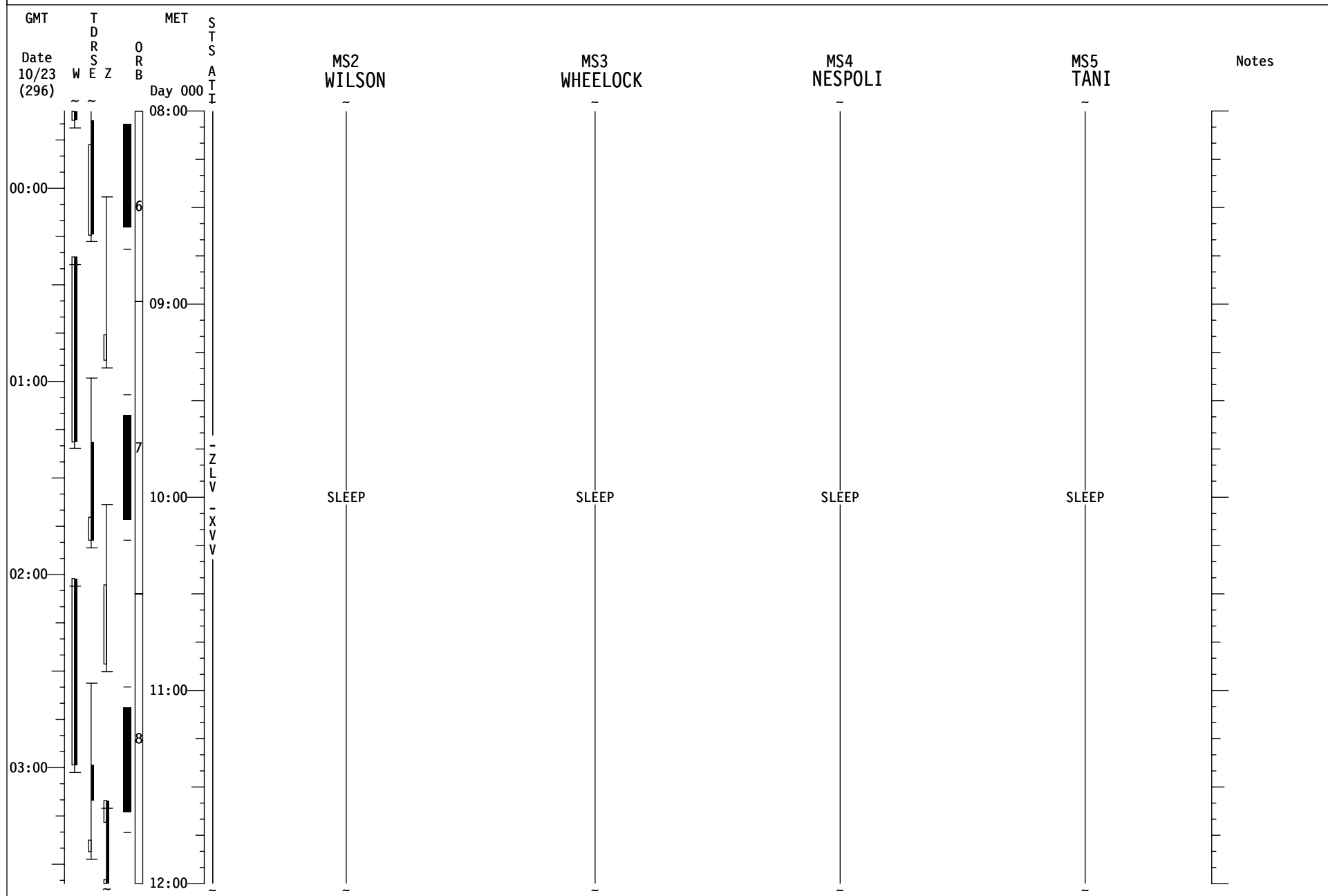


# STS-120 FD01

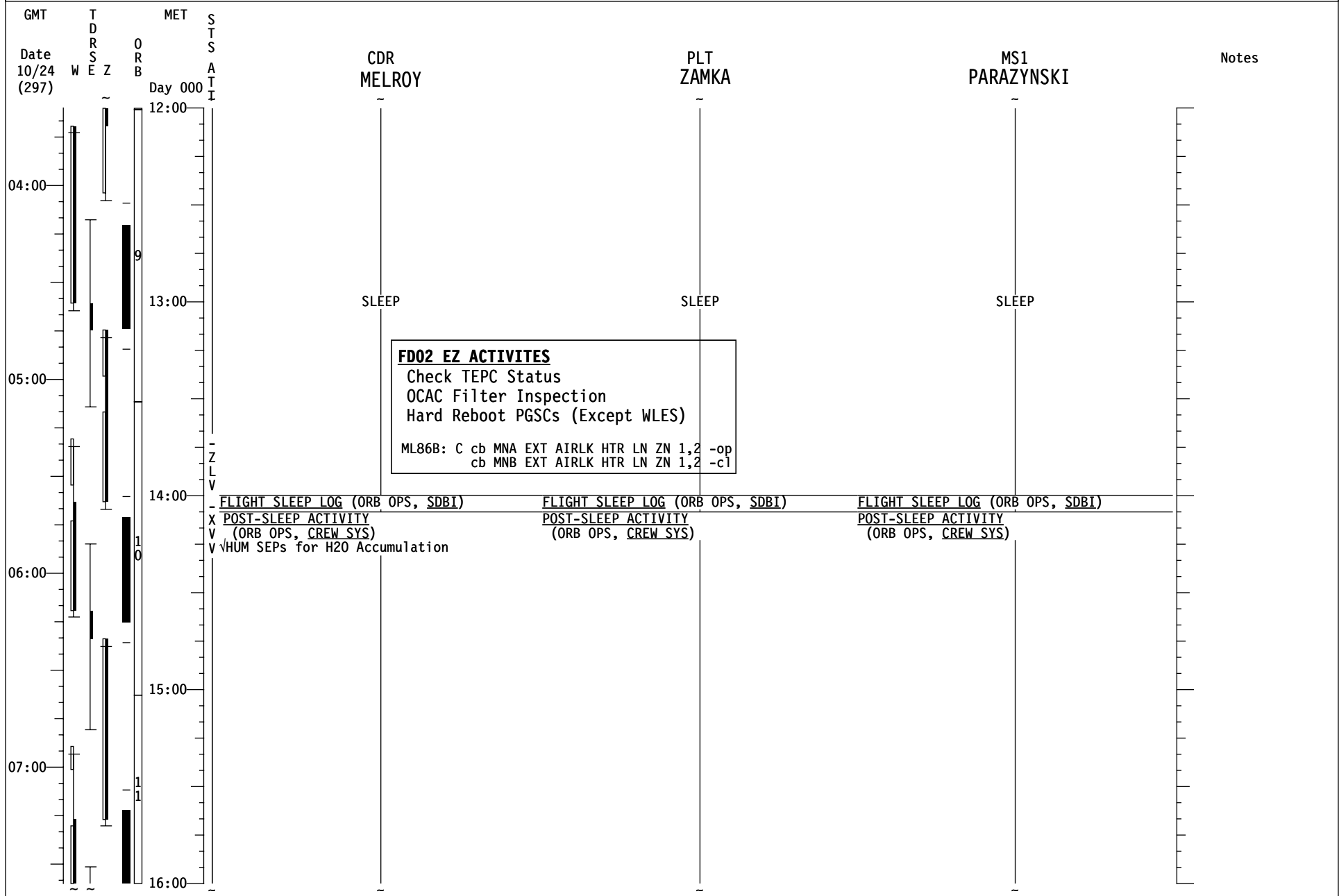




# STS-120 FD01



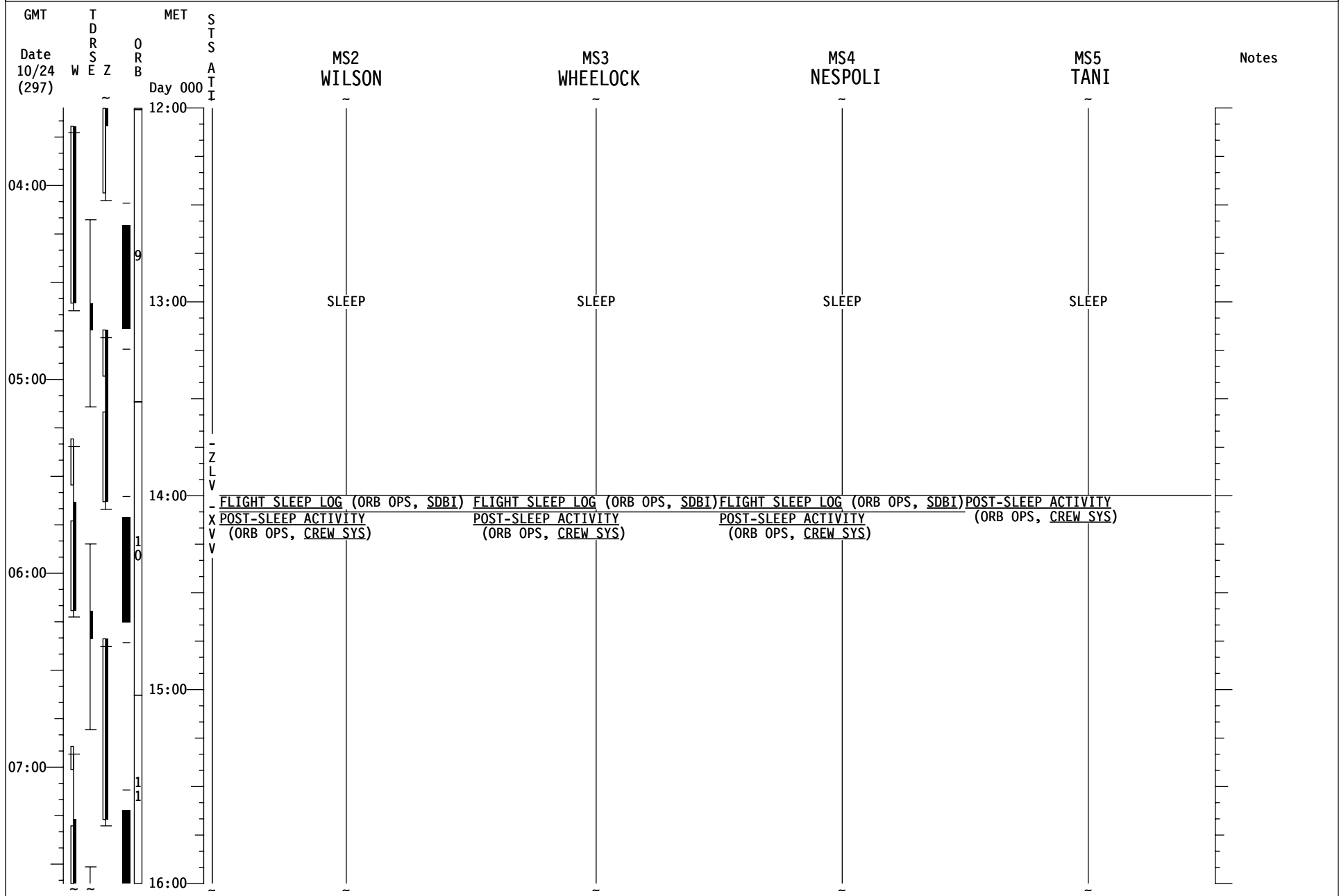
# STS-120 FD02



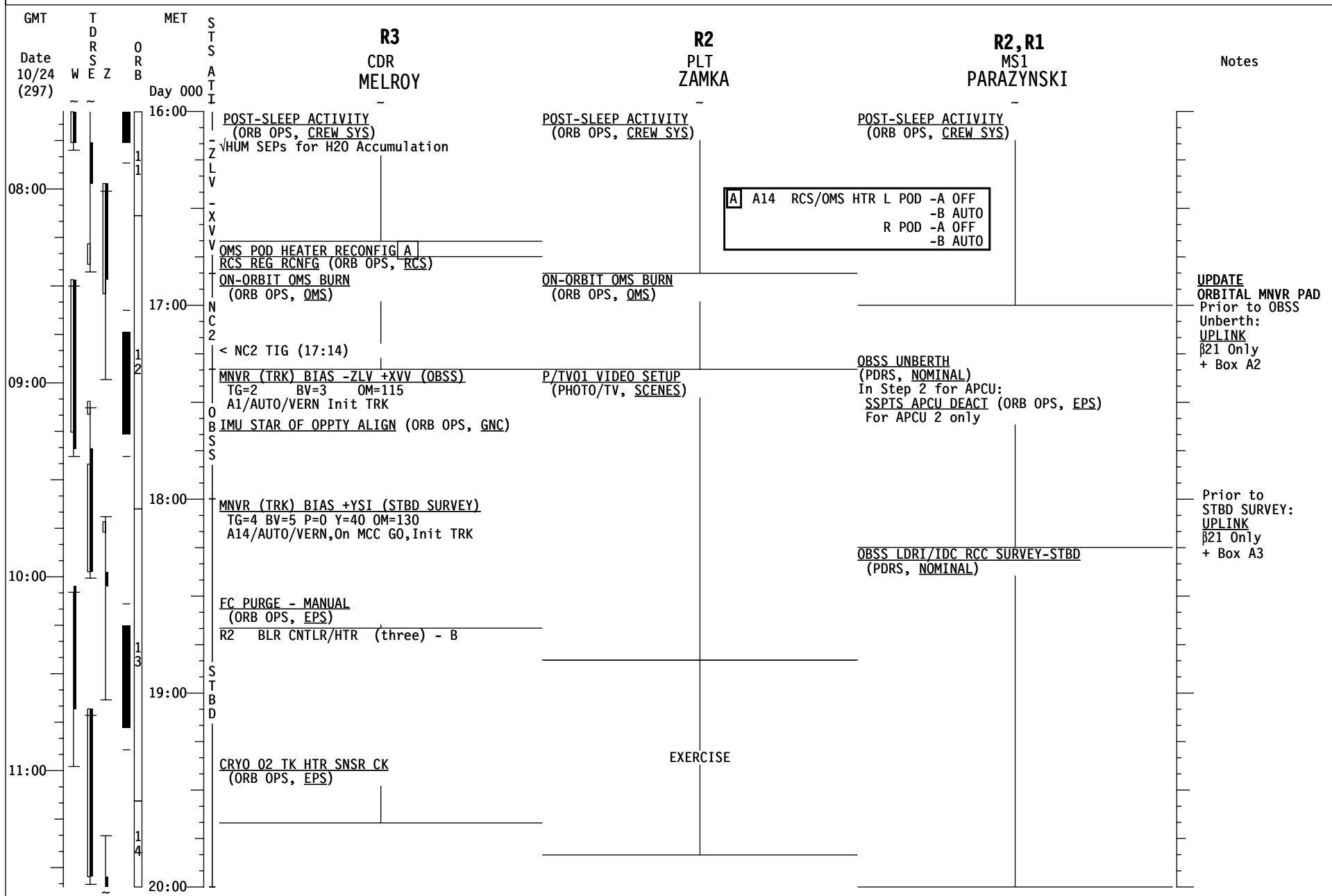
**FD02 EZ ACTIVITIES**  
 Check TEPC Status  
 OCAC Filter Inspection  
 Hard Reboot PGSCs (Except WLES)

ML86B: C cb MNA EXT AIRLK HTR LN ZN 1,2 -op  
 cb MNB EXT AIRLK HTR LN ZN 1,2 -cl

# STS-120 FD02

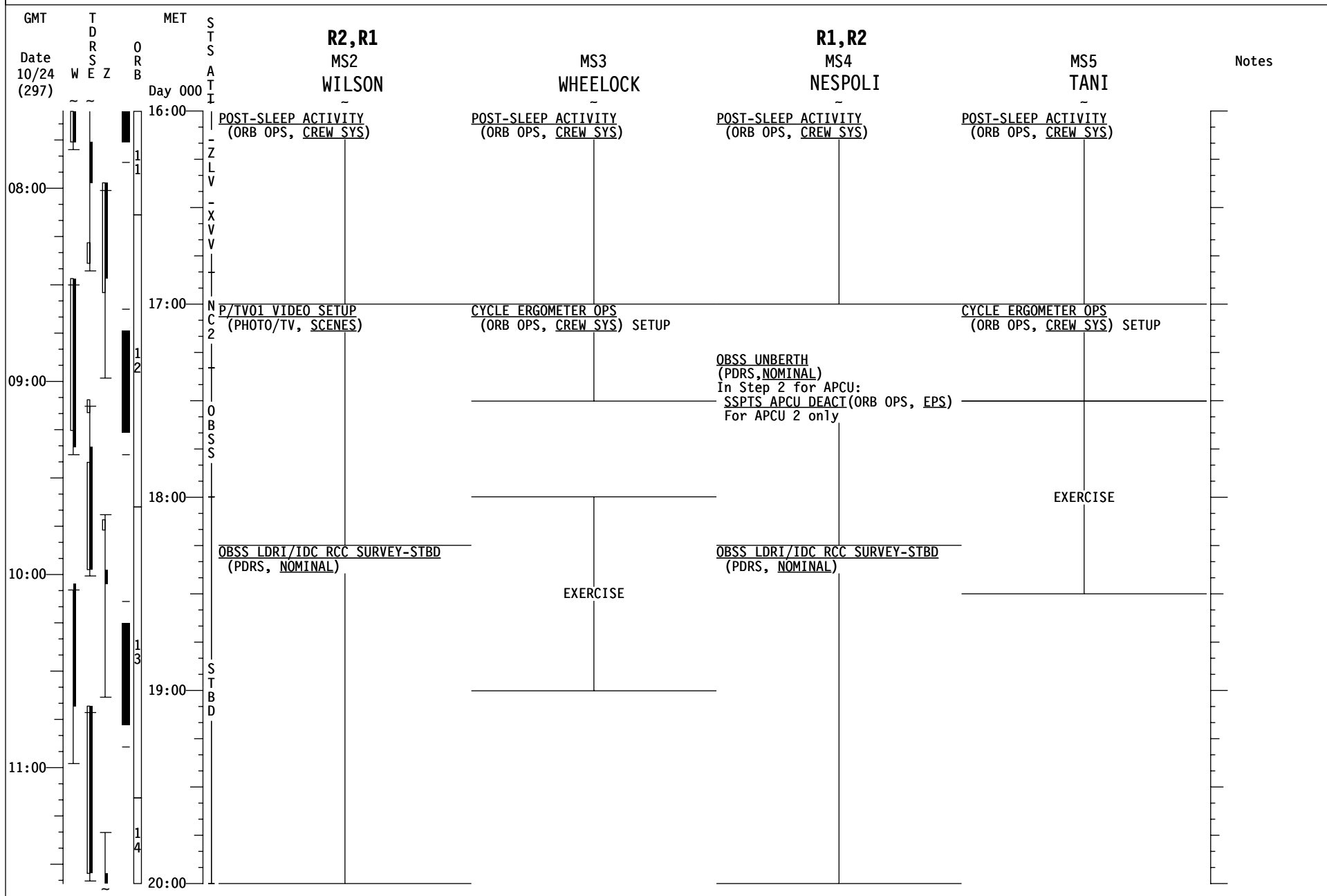


# STS-120 FD02

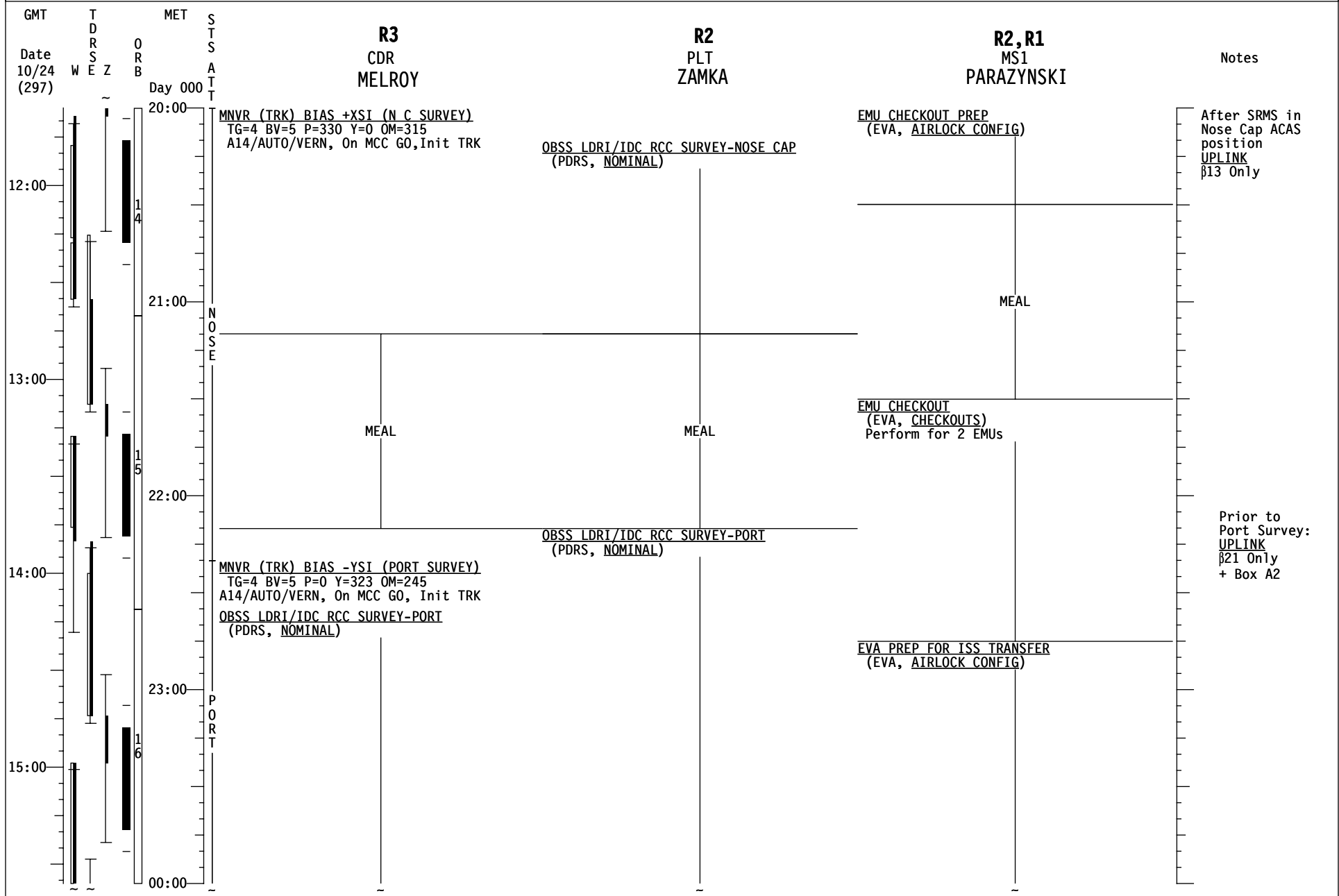


A A14 RCS/OMS HTR L POD -A OFF  
 -B AUTO  
 R POD -A OFF  
 -B AUTO

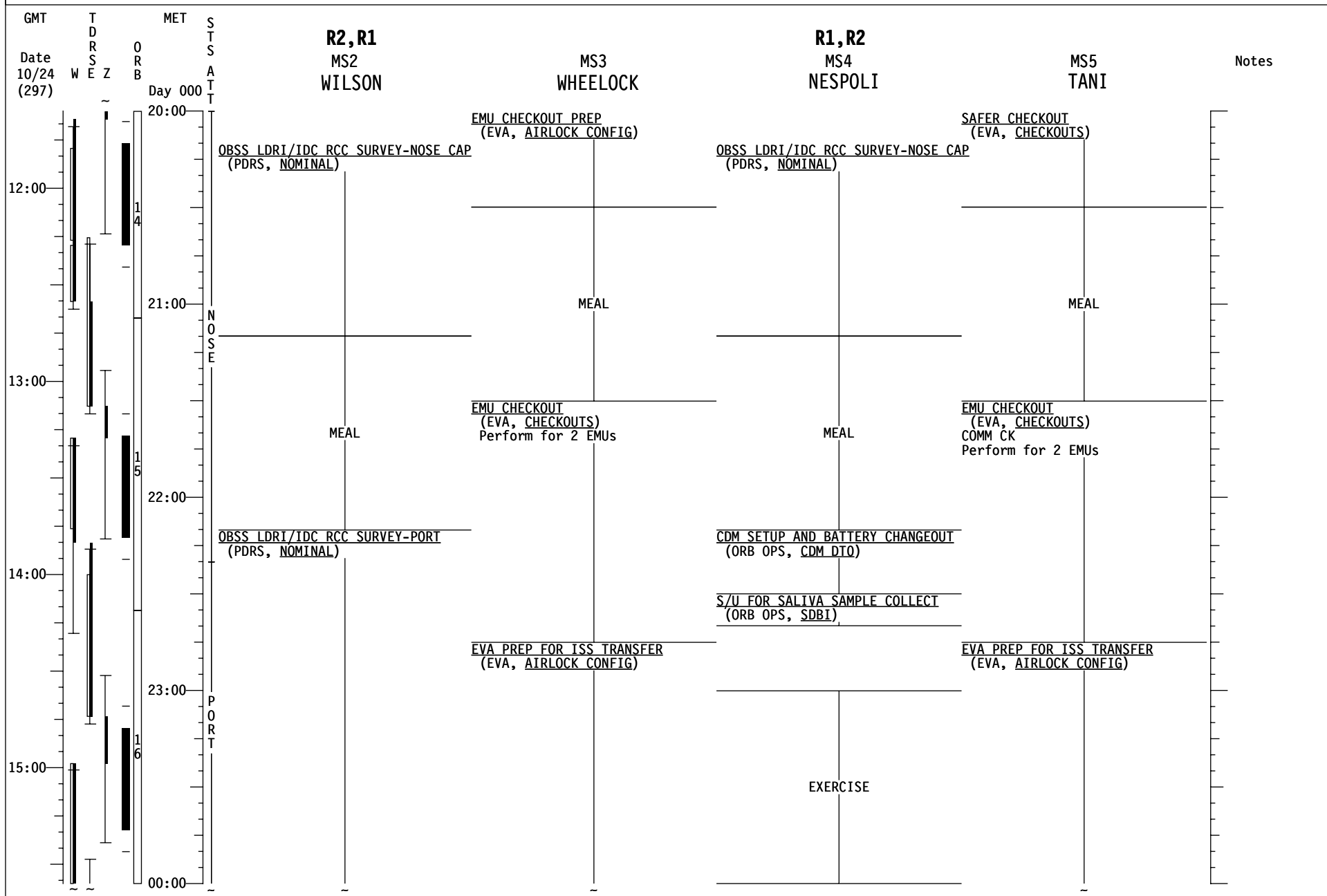
# STS-120 FD02



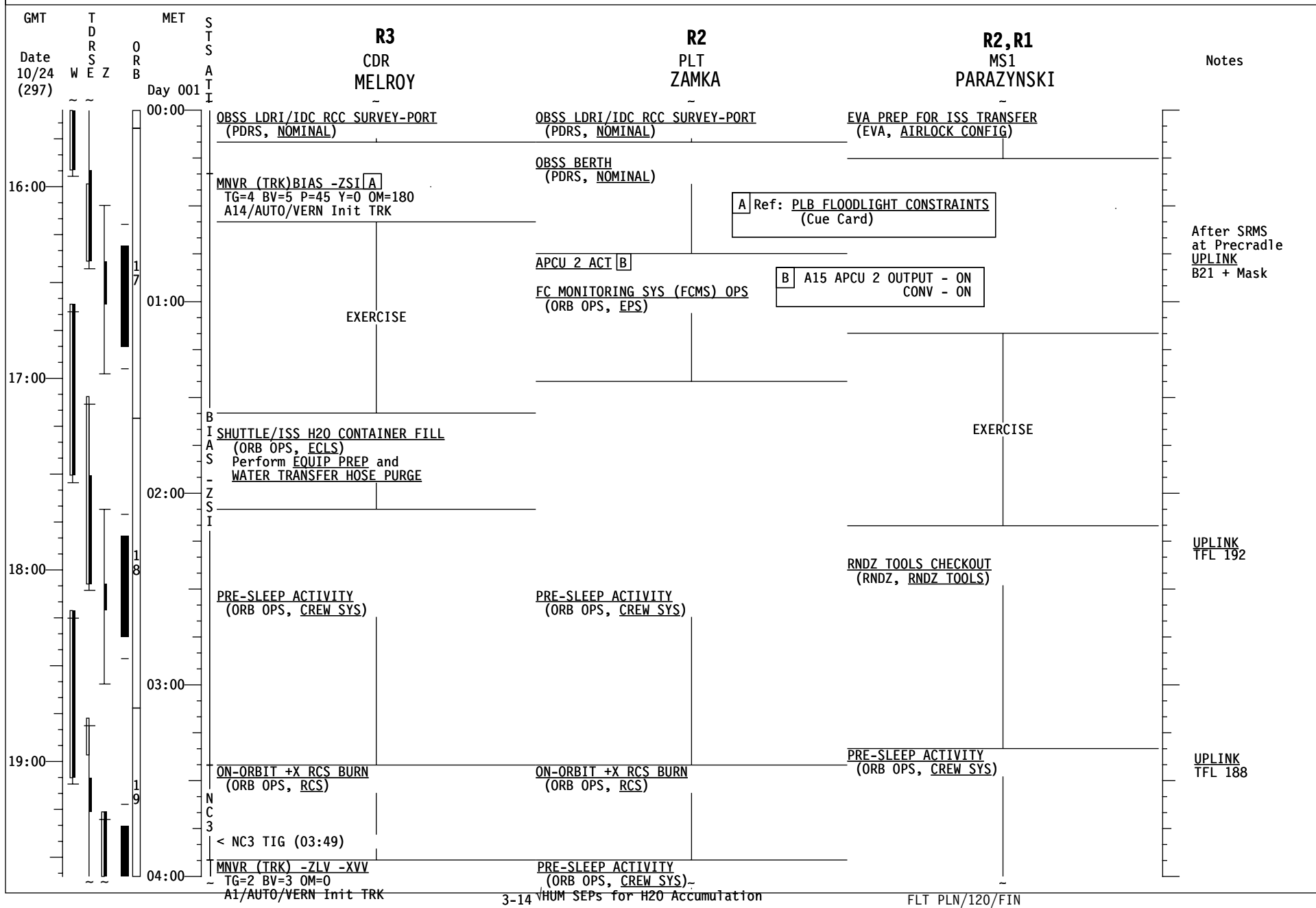
# STS-120 FD02



# STS-120 FD02

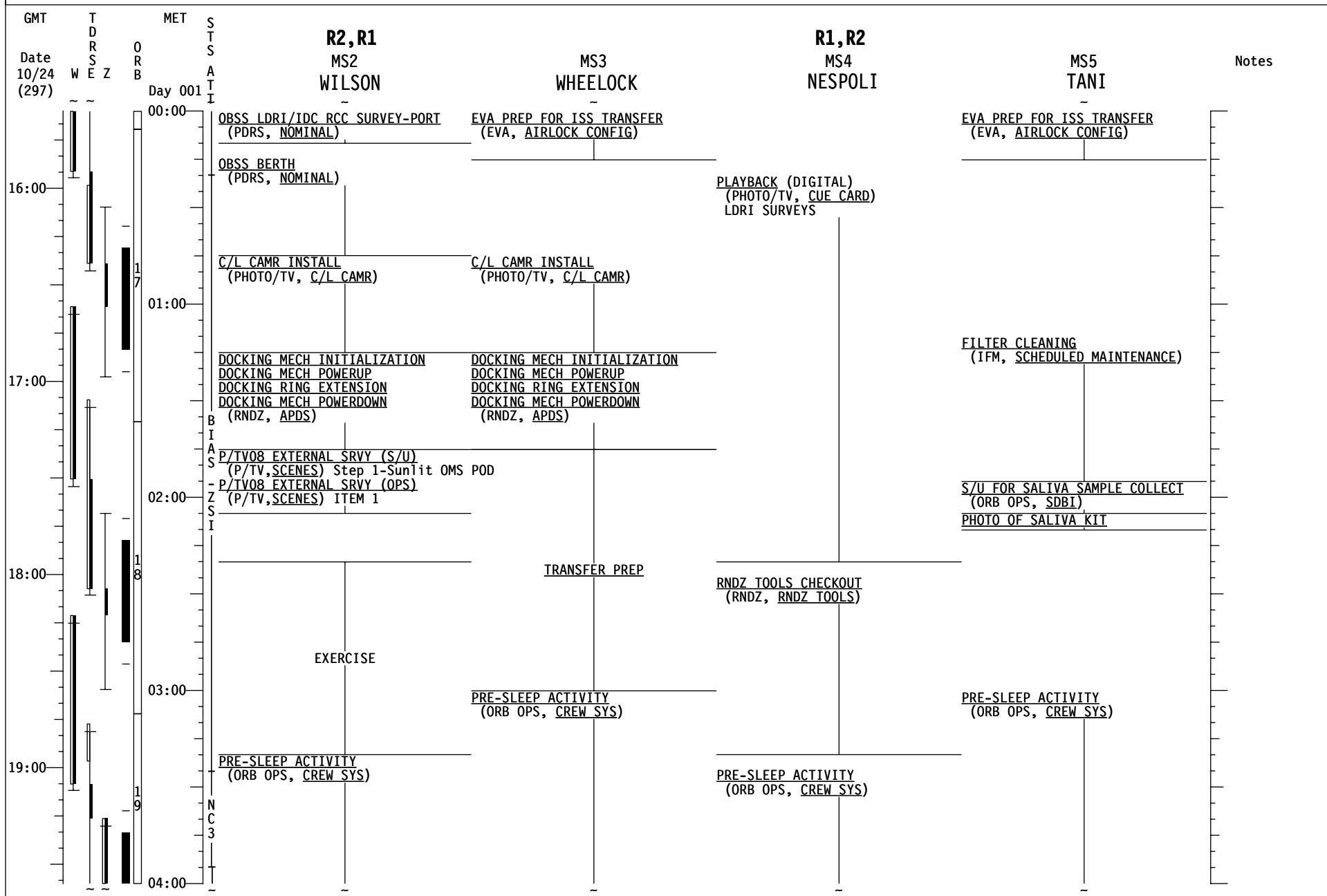


# STS-120 FD02

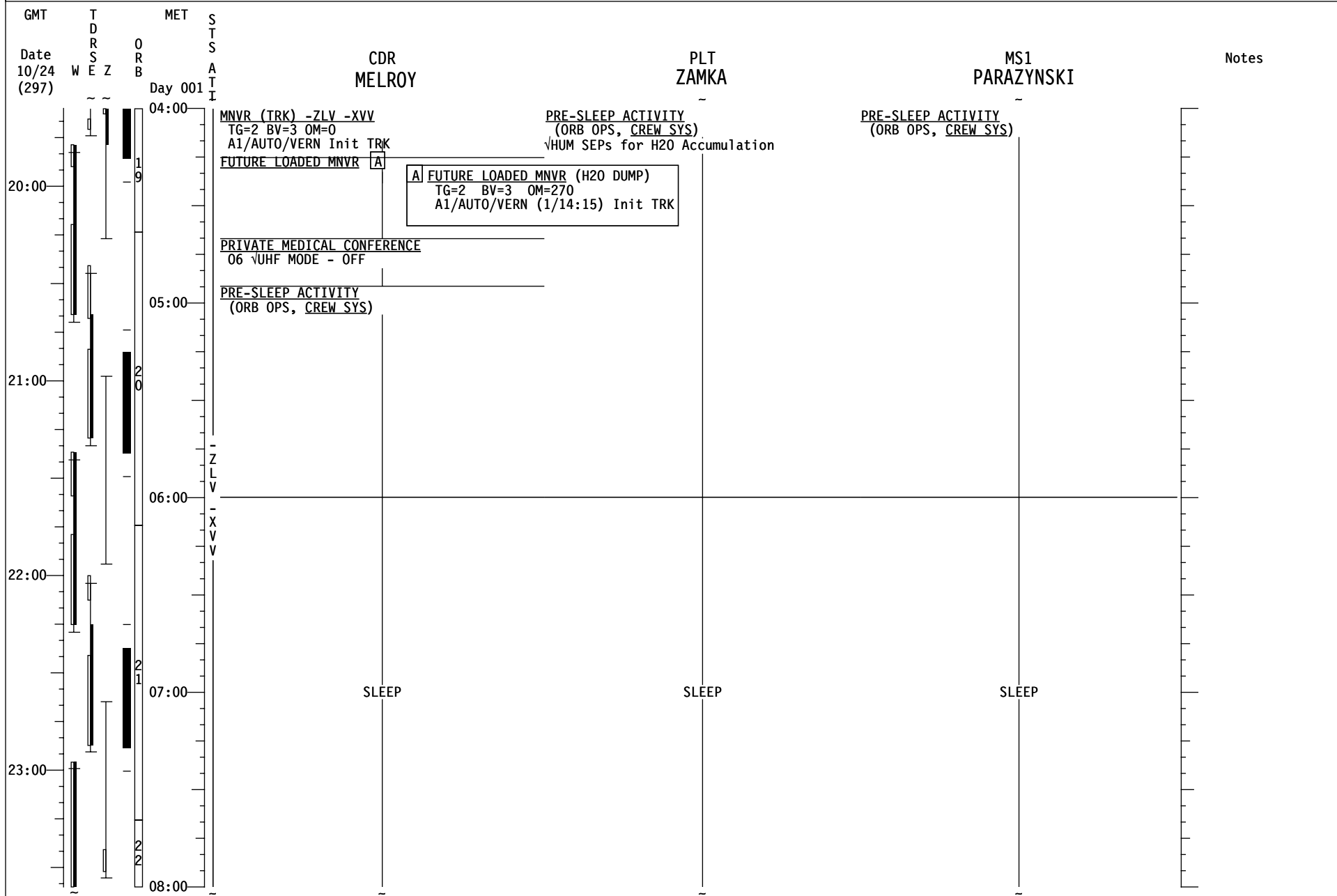




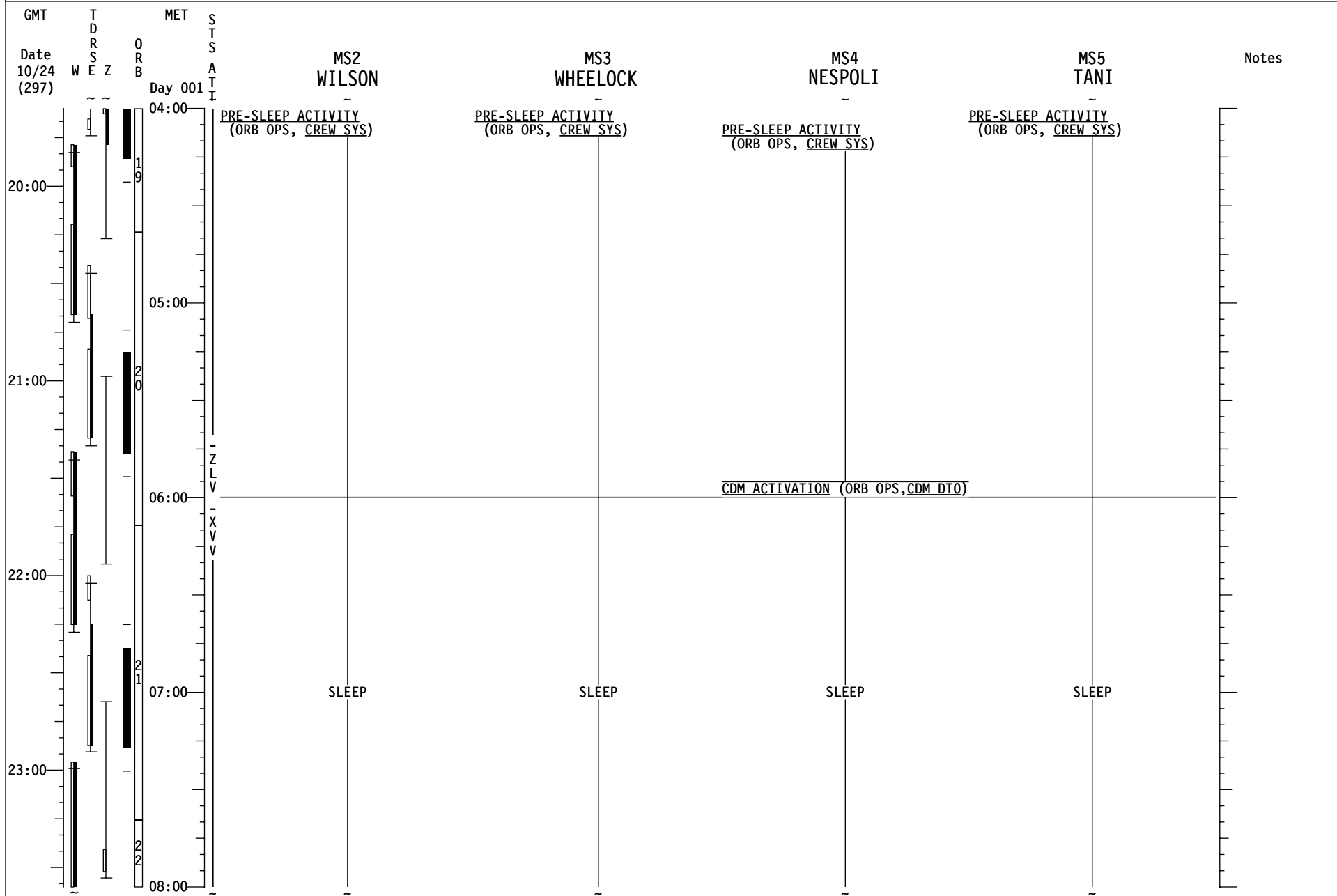
# STS-120 FD02



# STS-120 FD02

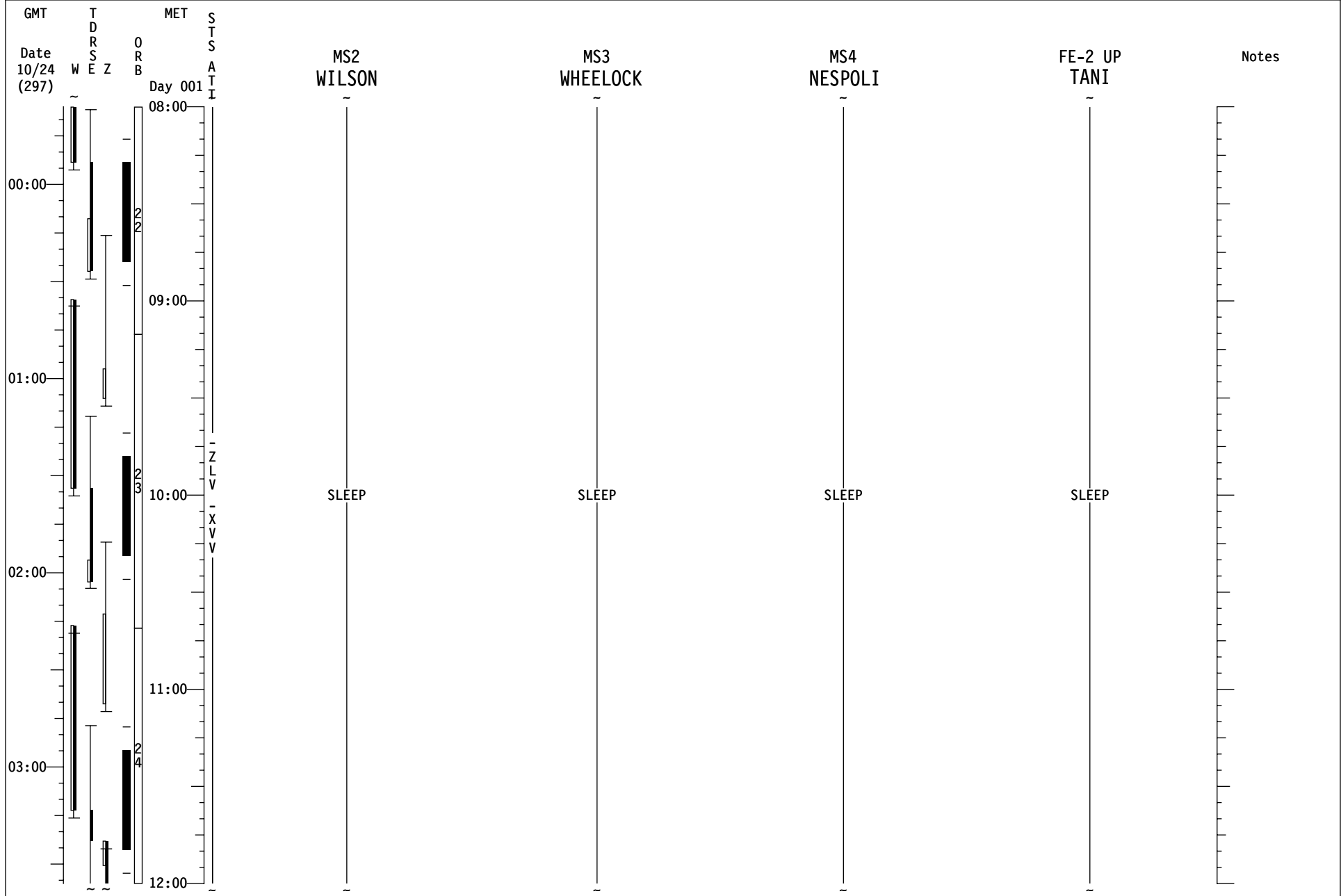


# STS-120 FD02

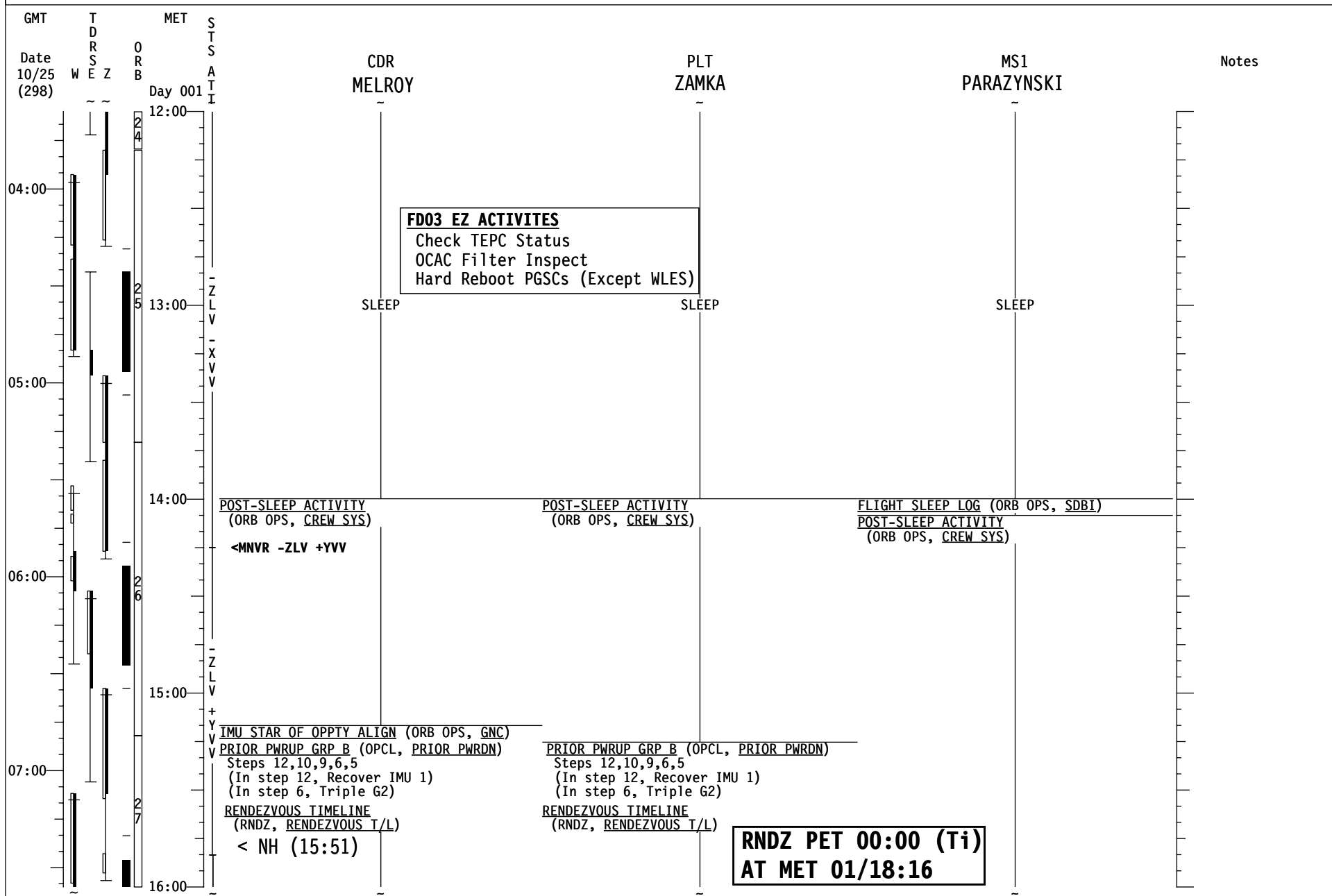




# STS-120 FD02



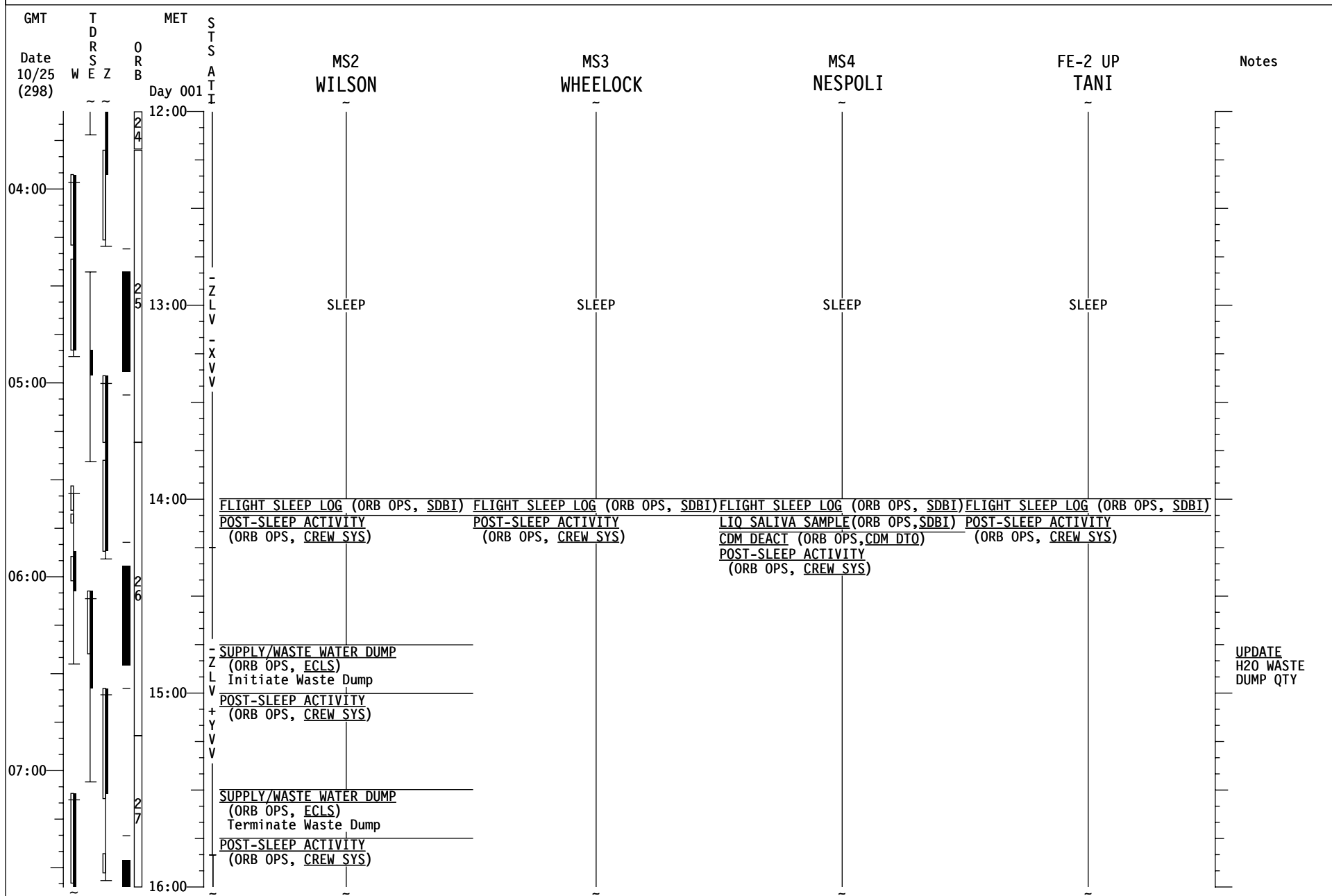
# STS-120 FD03



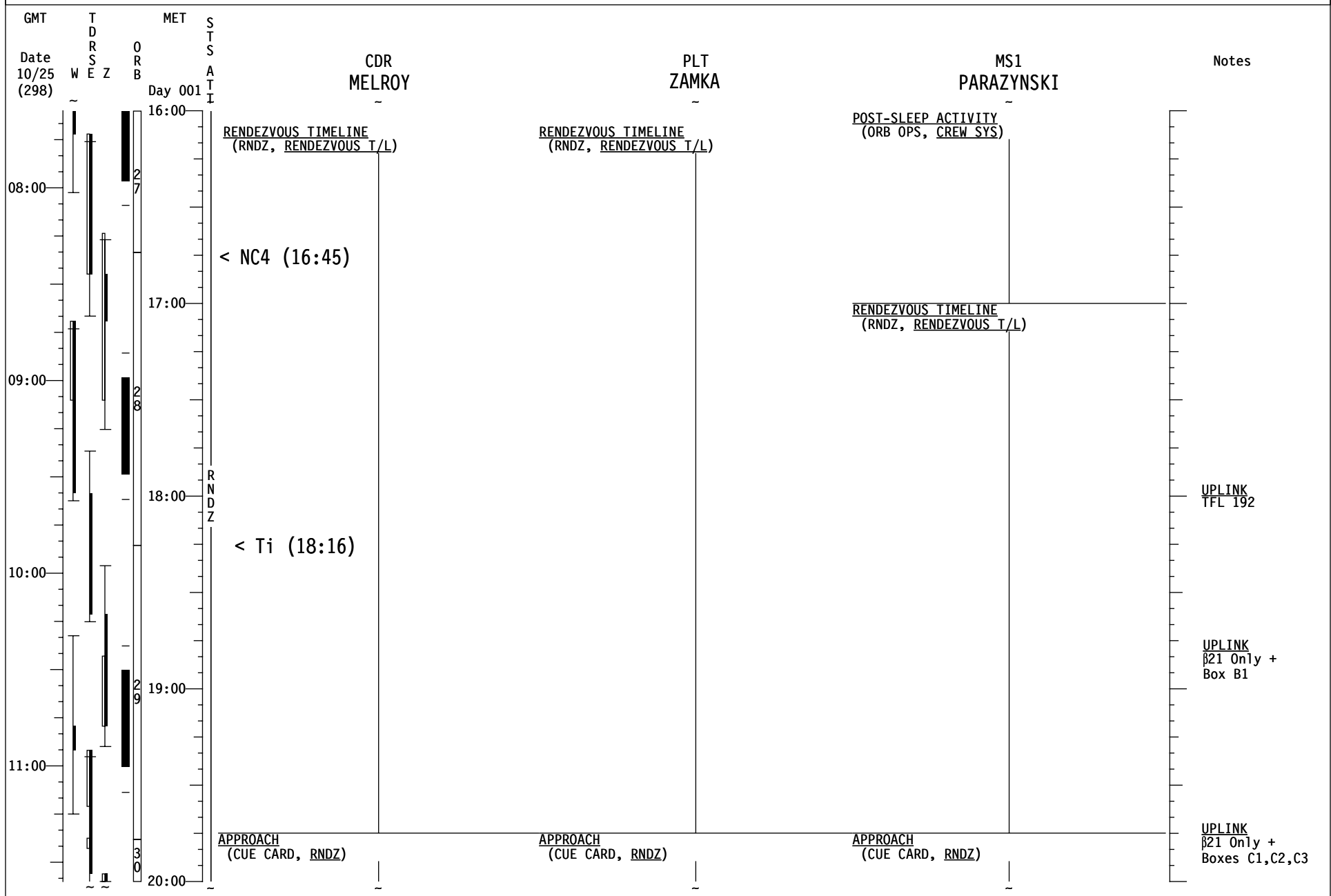
**FD03 EZ ACTIVITES**  
 Check TEPC Status  
 OCAC Filter Inspect  
 Hard Reboot PGSCs (Except WLES)

**RNDZ PET 00:00 (Ti)  
 AT MET 01/18:16**

# STS-120 FD03

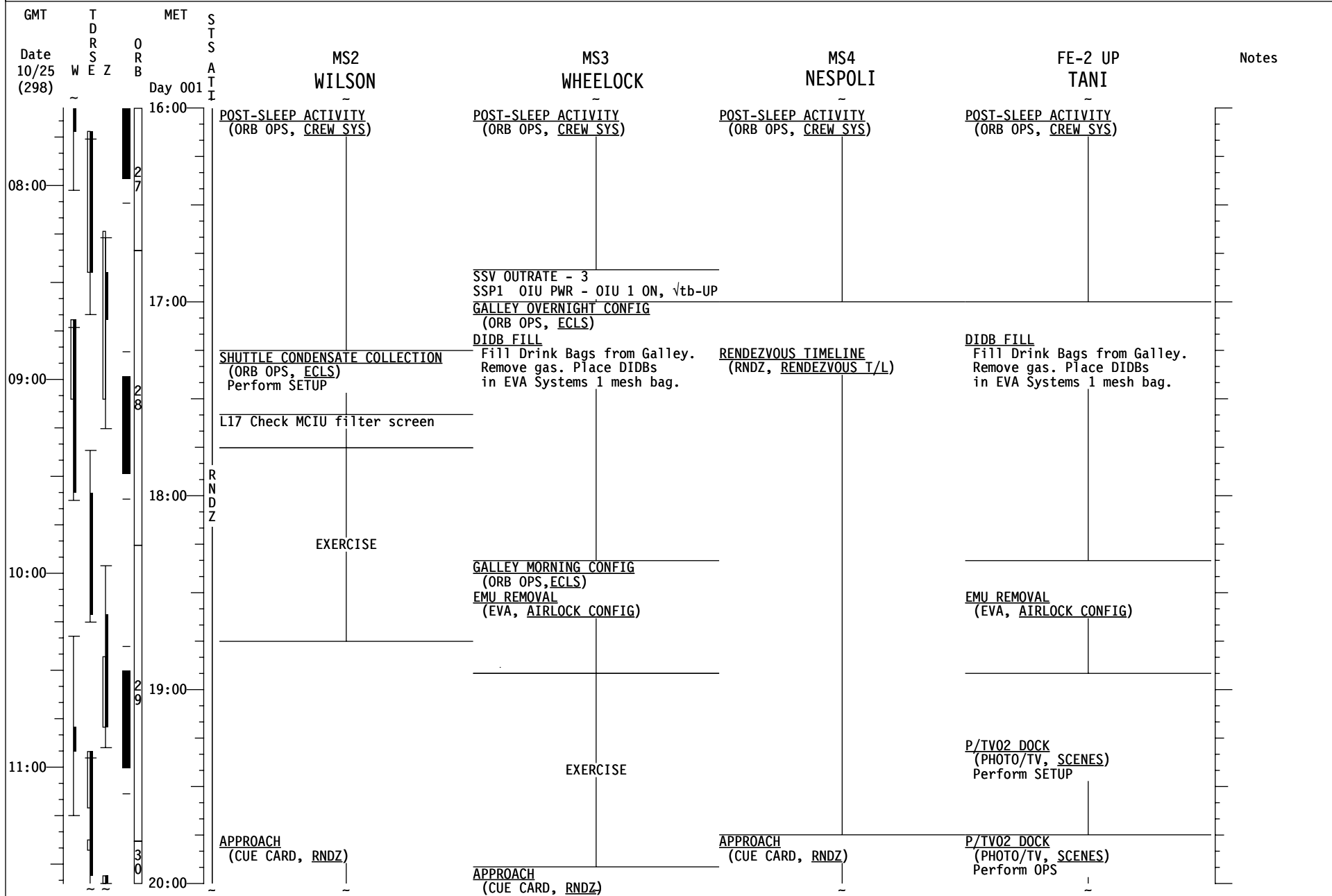


# STS-120 FD03





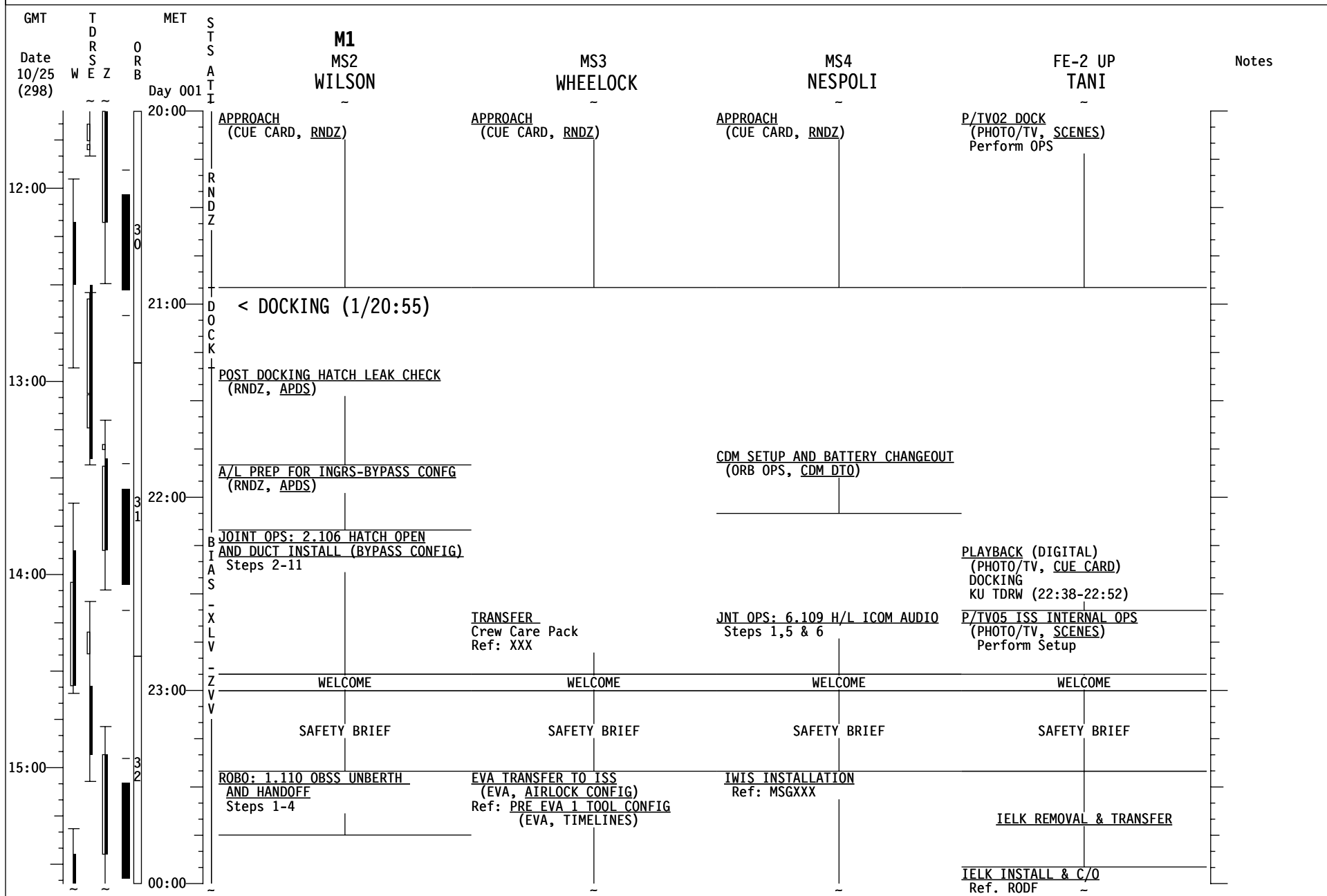
# STS-120 FD03



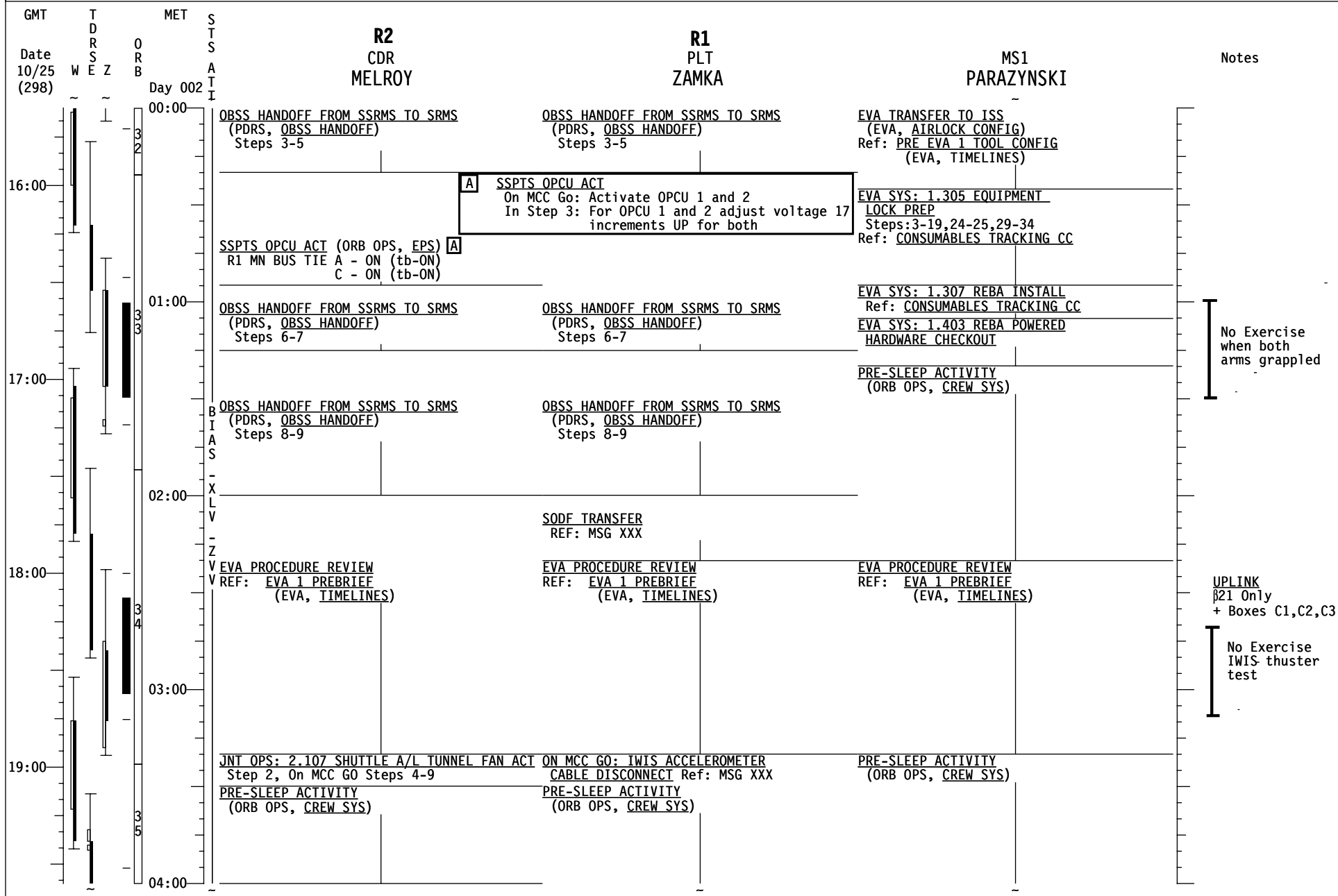
# STS-120 FD03

GMT	TDRS W E Z	MET Day 001	S T S A T I	R2 CDR MELROY	R1 PLT ZAMKA	MS1 PARAZYNSKI	Notes
20:00				APPROACH (CUE CARD, RNDZ)	APPROACH (CUE CARD, RNDZ)	APPROACH (CUE CARD, RNDZ)	
12:00			R N D Z				
21:00			D O C K	< DOCKING (1/20:55)	SSV OUTFATE - 2		
13:00				POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)	MNVR (TRK) BIAS -XLV -ZVV (TEA) TG=2 BV=5 P=152 Y=358 OM=180 Init TRK then DAP:FREE>2 sec DAP: A12/AUTO/VERN	POST RNDZ PGSC CONFIG Configure PGSCs per EVA/RMS Usage Chart	
				A/L PREP FOR INGRS-BYPASS CONFG (RNDZ, APDS)	PRIOR PWRDN GRP B (OPCL, PRIOR PWRDN) Steps 6 & 12 (In step 6, Single G2) (In step 12, IMU 1 STBY - ITEM 21 EXEC) 06 S TRK PWR-Z-OFF	JOINT OPS: 6.107 PCS SETUP-SHUTTLE	
22:00			B I A	JOINT OPS: 2.106 HATCH OPEN AND DUCT INSTALL (BYPASS CONFG) Steps 2-11	H/O ATT CNTRL TO ISS On MCC Go, DAP: FREE P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Perform SETUP		
14:00			X L V		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Perform Ops		
23:00			Z V V	WELCOME	WELCOME	WELCOME	
15:00				SAFETY BRIEF	SAFETY BRIEF	SAFETY BRIEF	
				SSPTS ODS CONNECTOR VERIF A15 ODS MATE X1,X2 (two) - ON MCC then - OFF		EVA TRANSFER TO ISS (EVA, AIRLOCK CONFG) Ref: PRE EVA 1 TOOL CONFG (EVA, TIMELINES)	UPLINK BO Only + Boxes C1,C2,C3,D1
00:00				OBSS HANDOFF FROM SSRMS TO SRMS (PDRS, OBSS HANDOFF) Steps 1-2	OBSS HANDOFF FROM SSRMS TO SRMS (PDRS, OBSS HANDOFF) Steps 1-2		

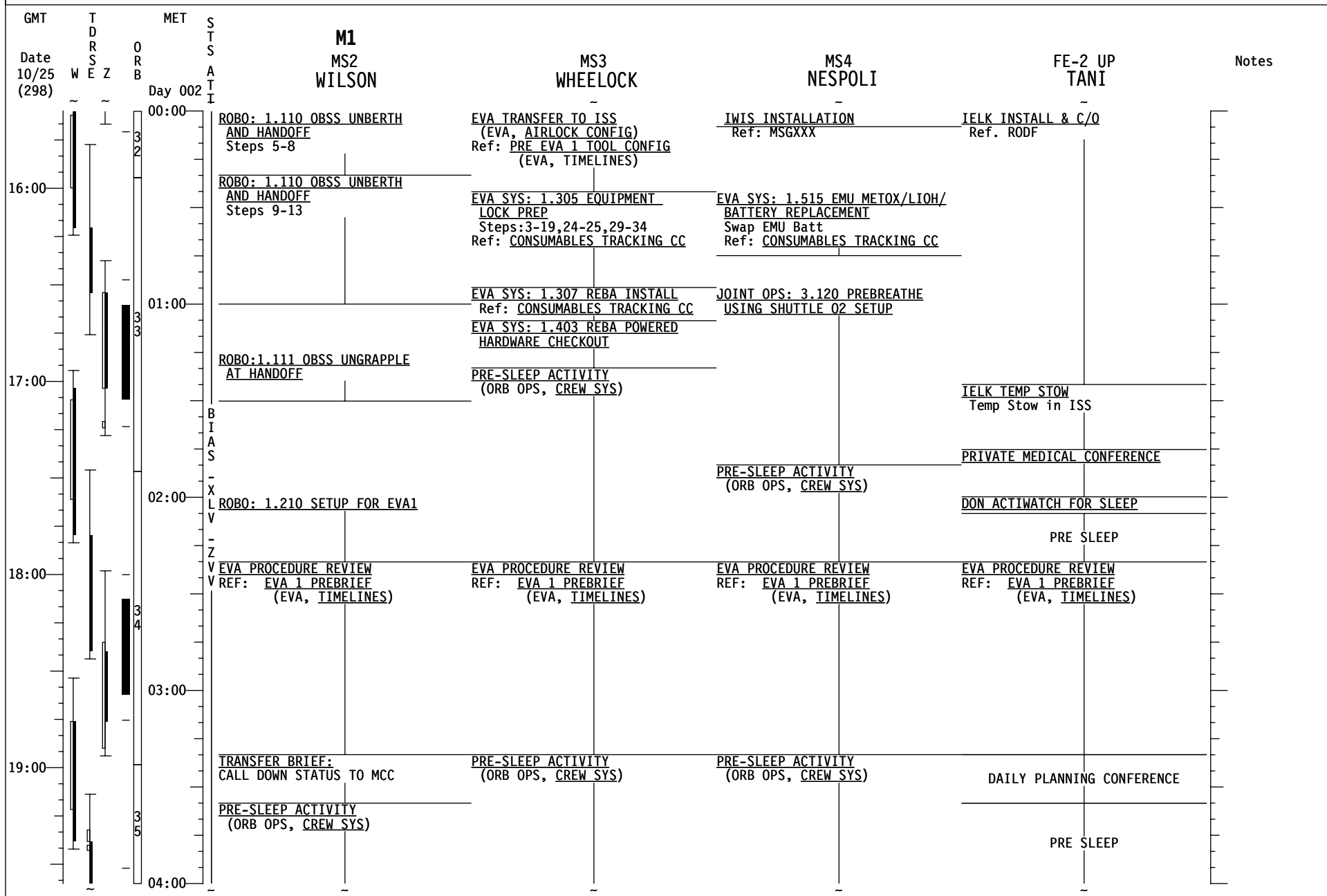
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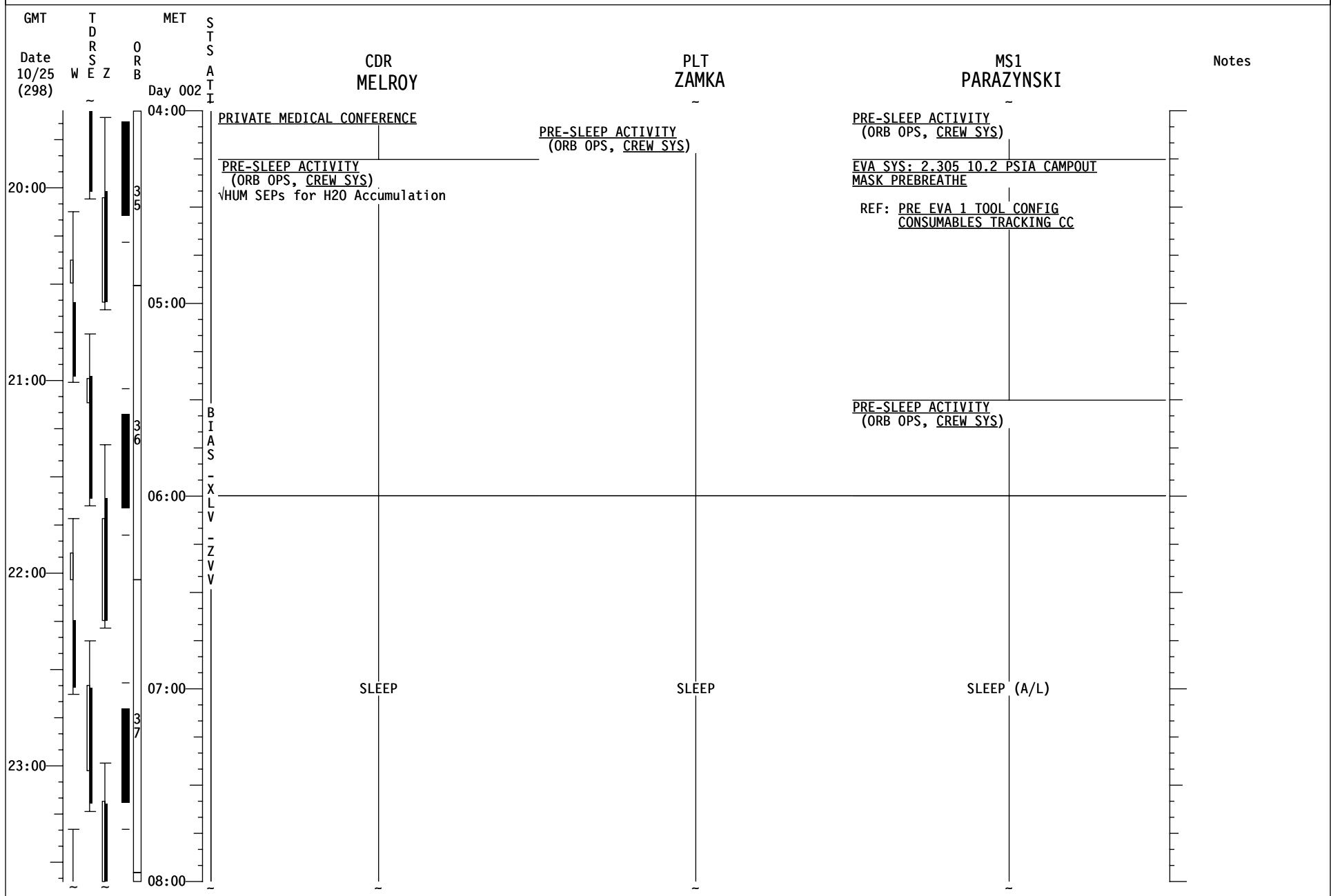
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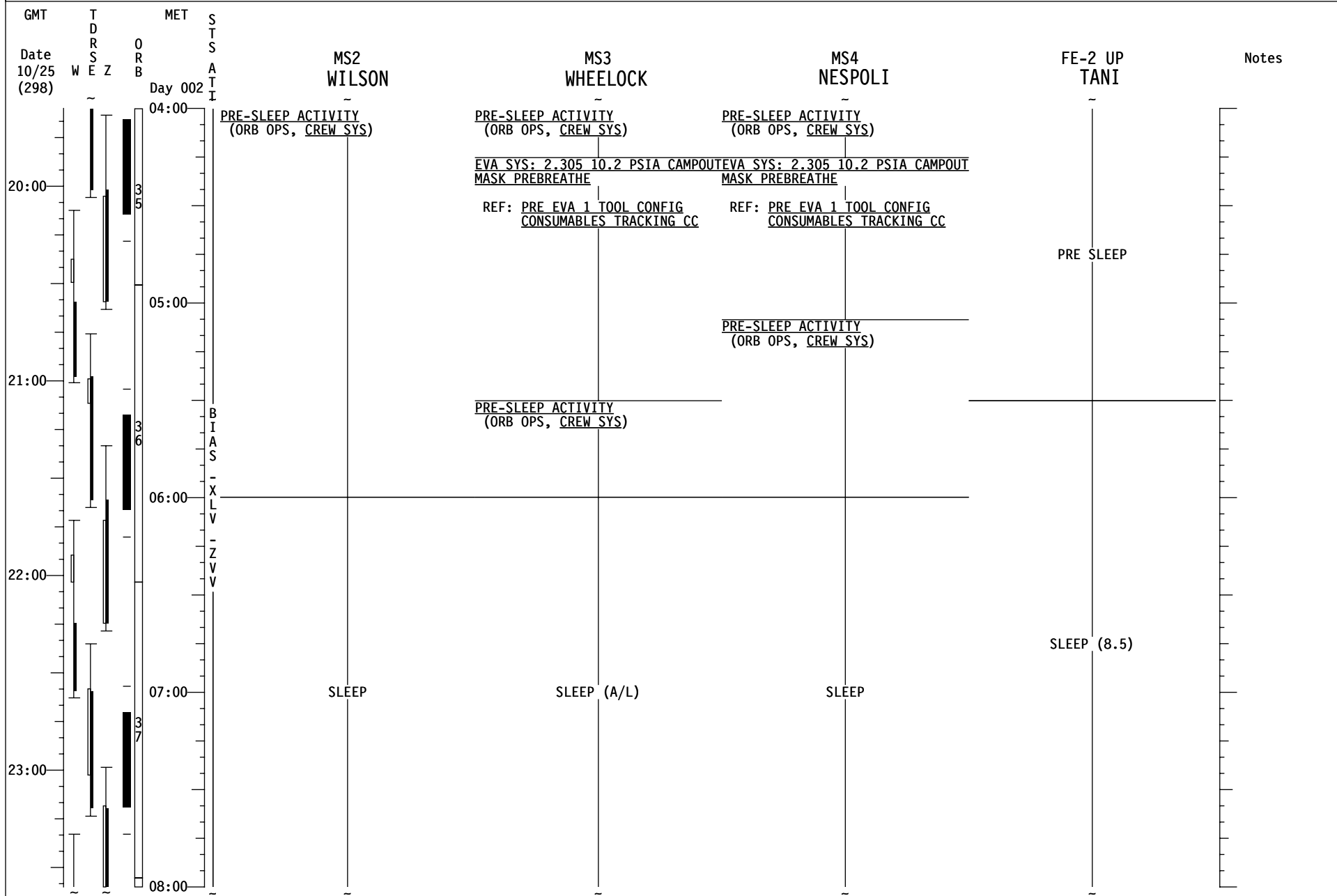
# STS-120 FD03



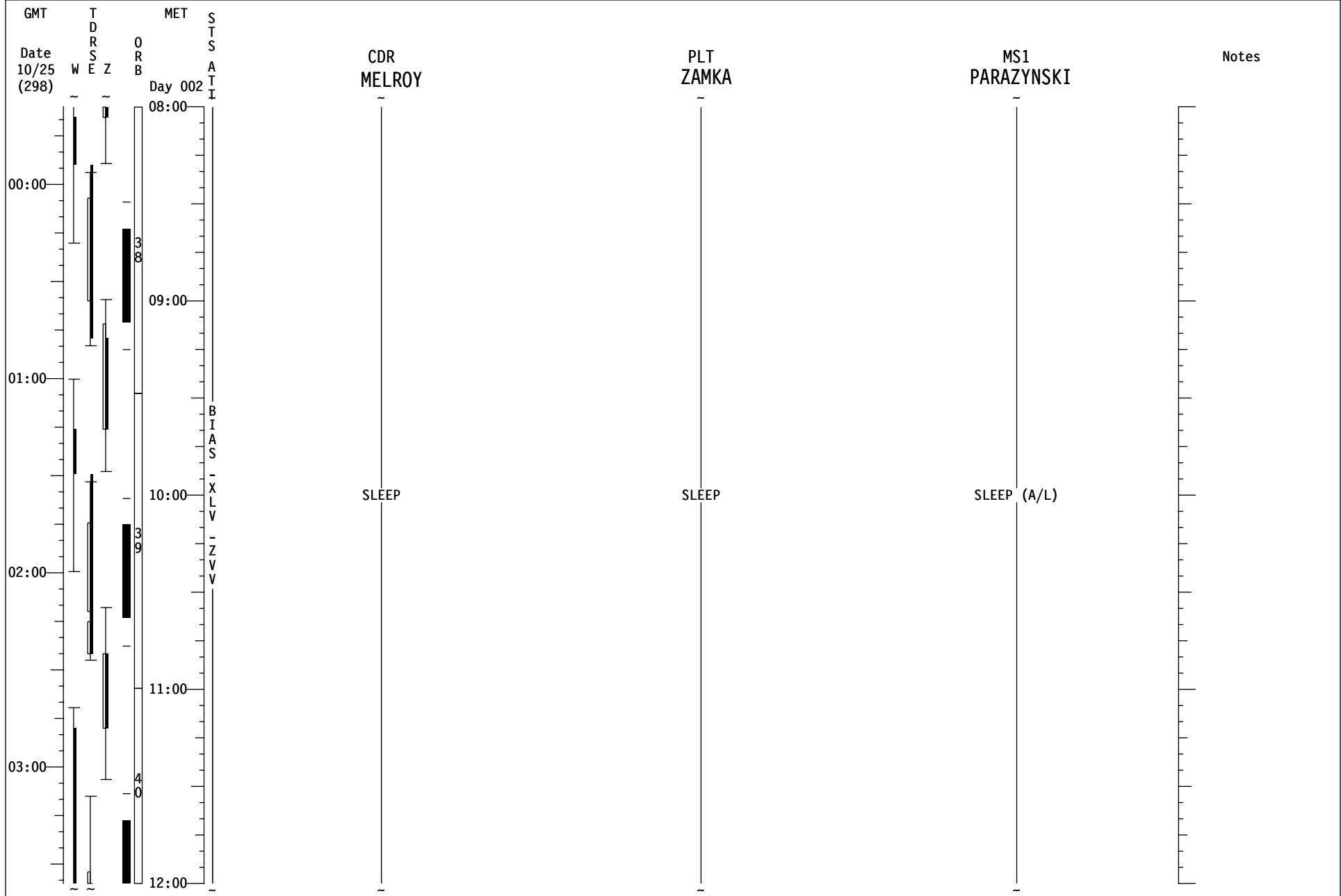
# STS-120 FD03



# STS-120 FD03

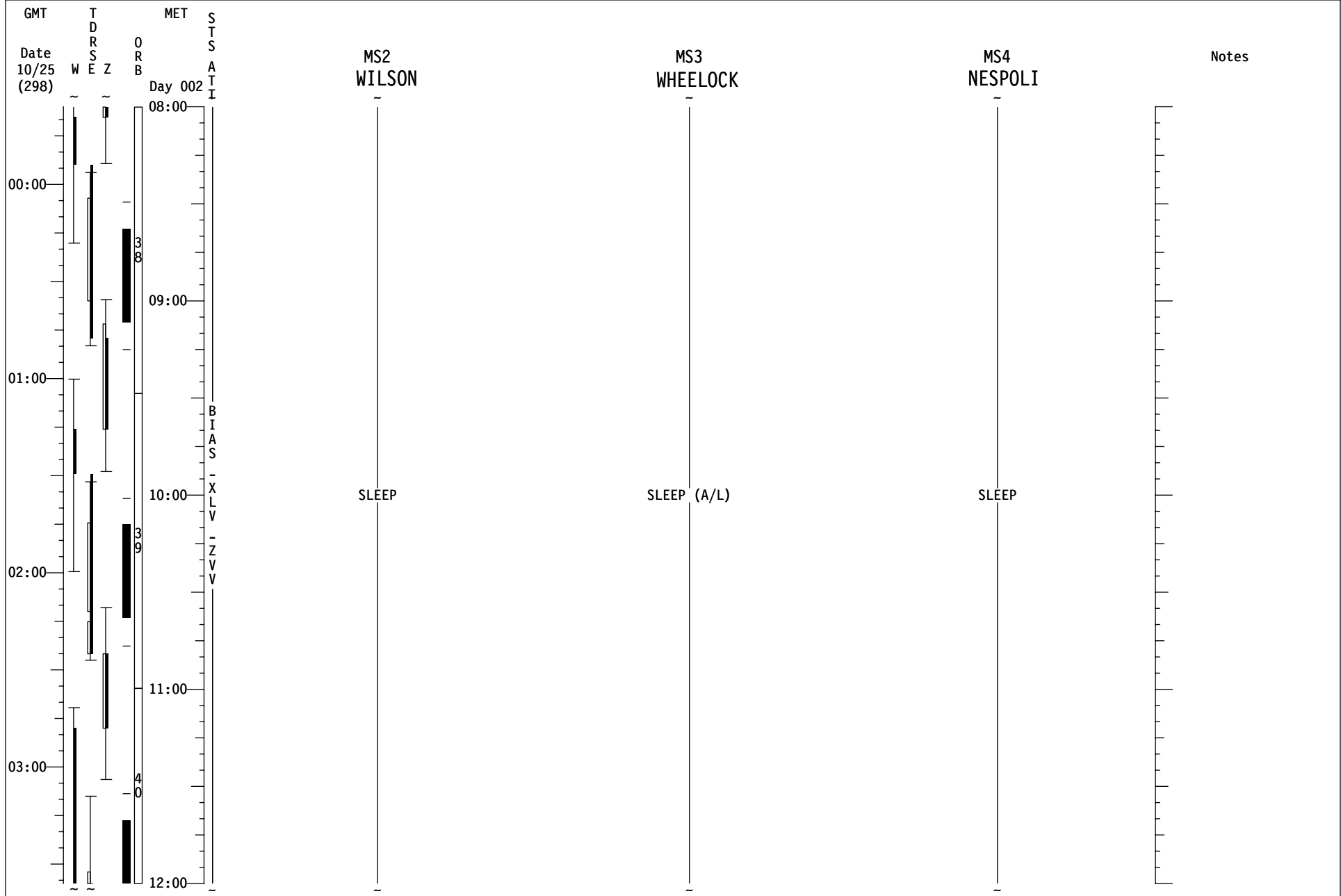


# STS-120 FD03

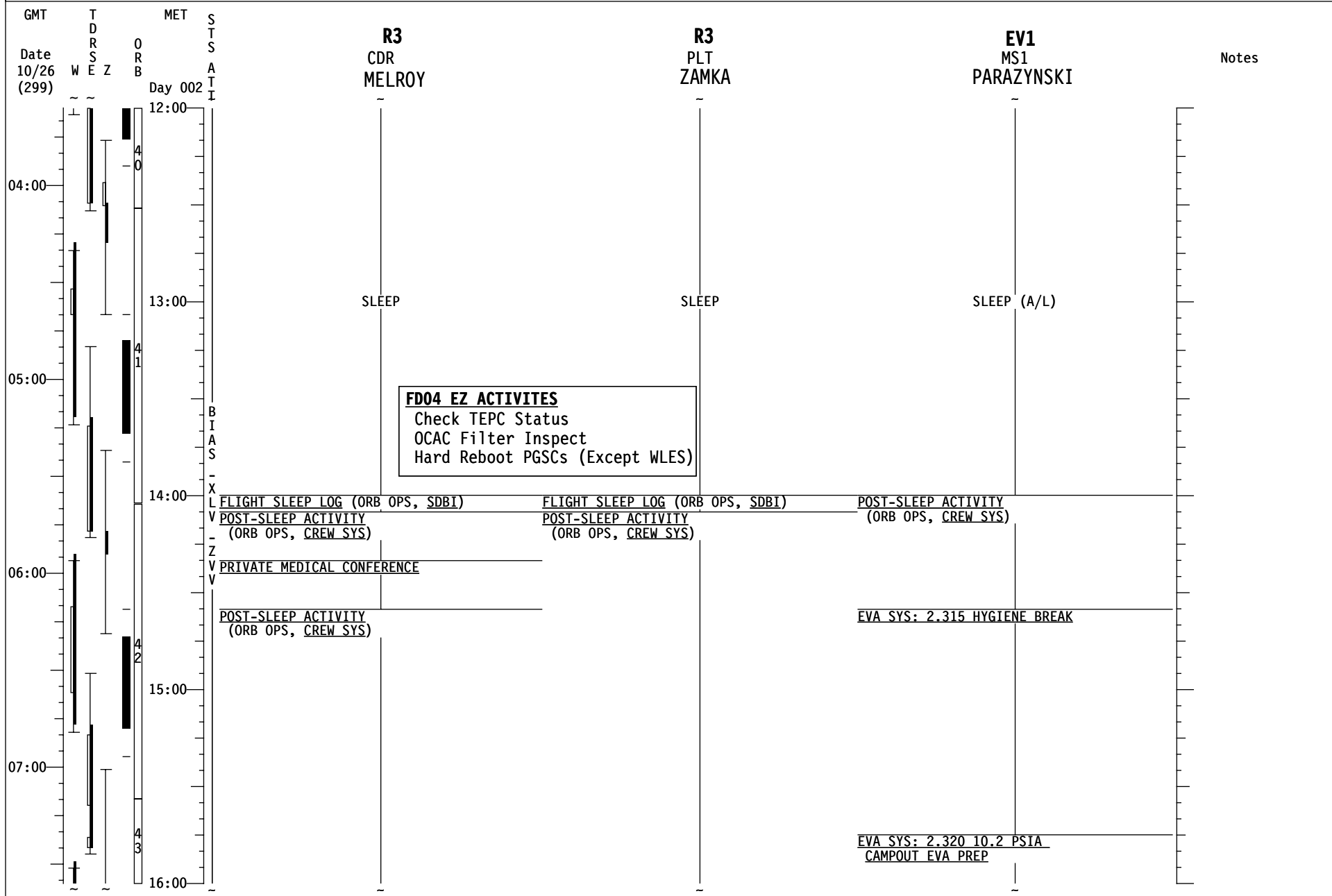




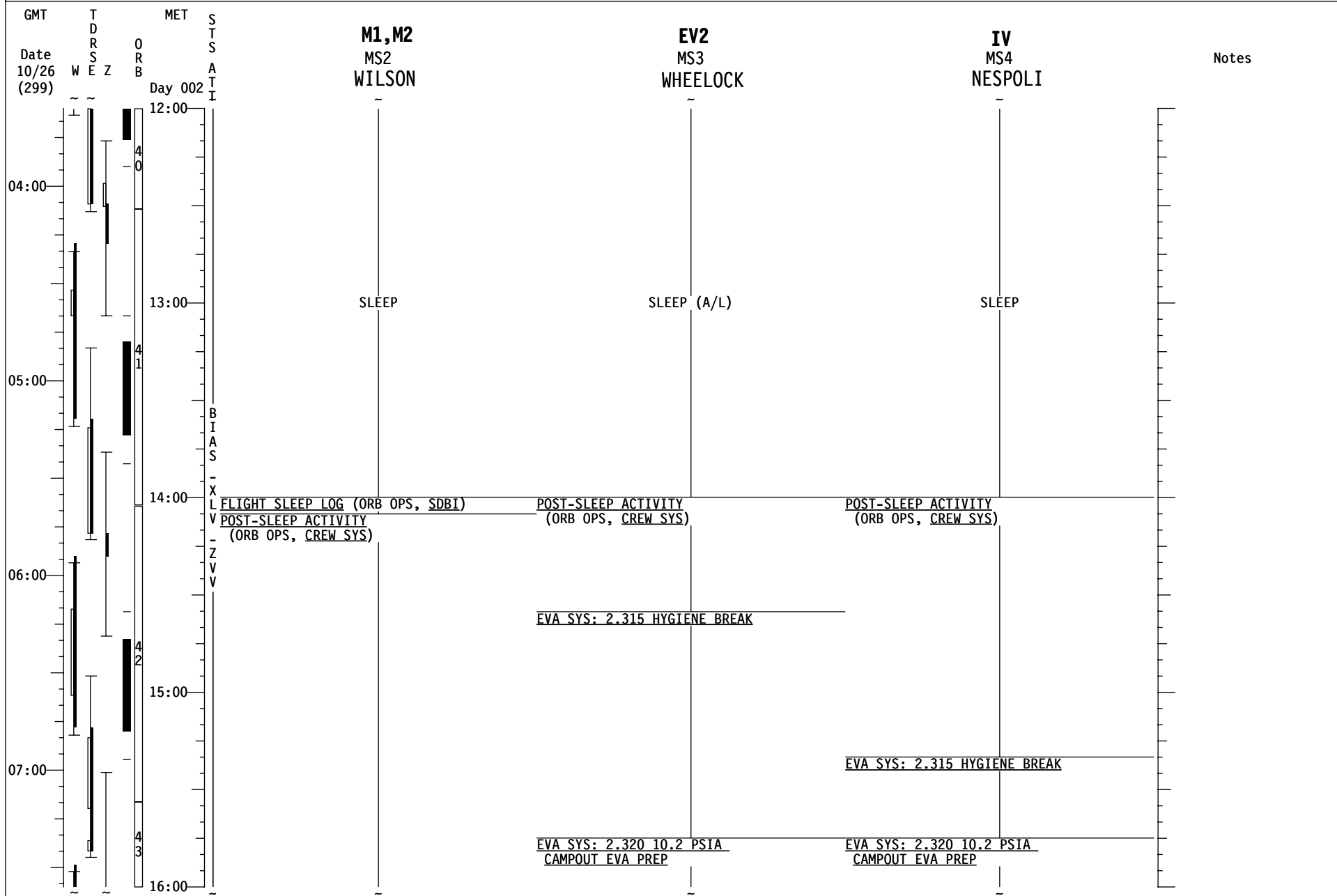
# STS-120 FD03



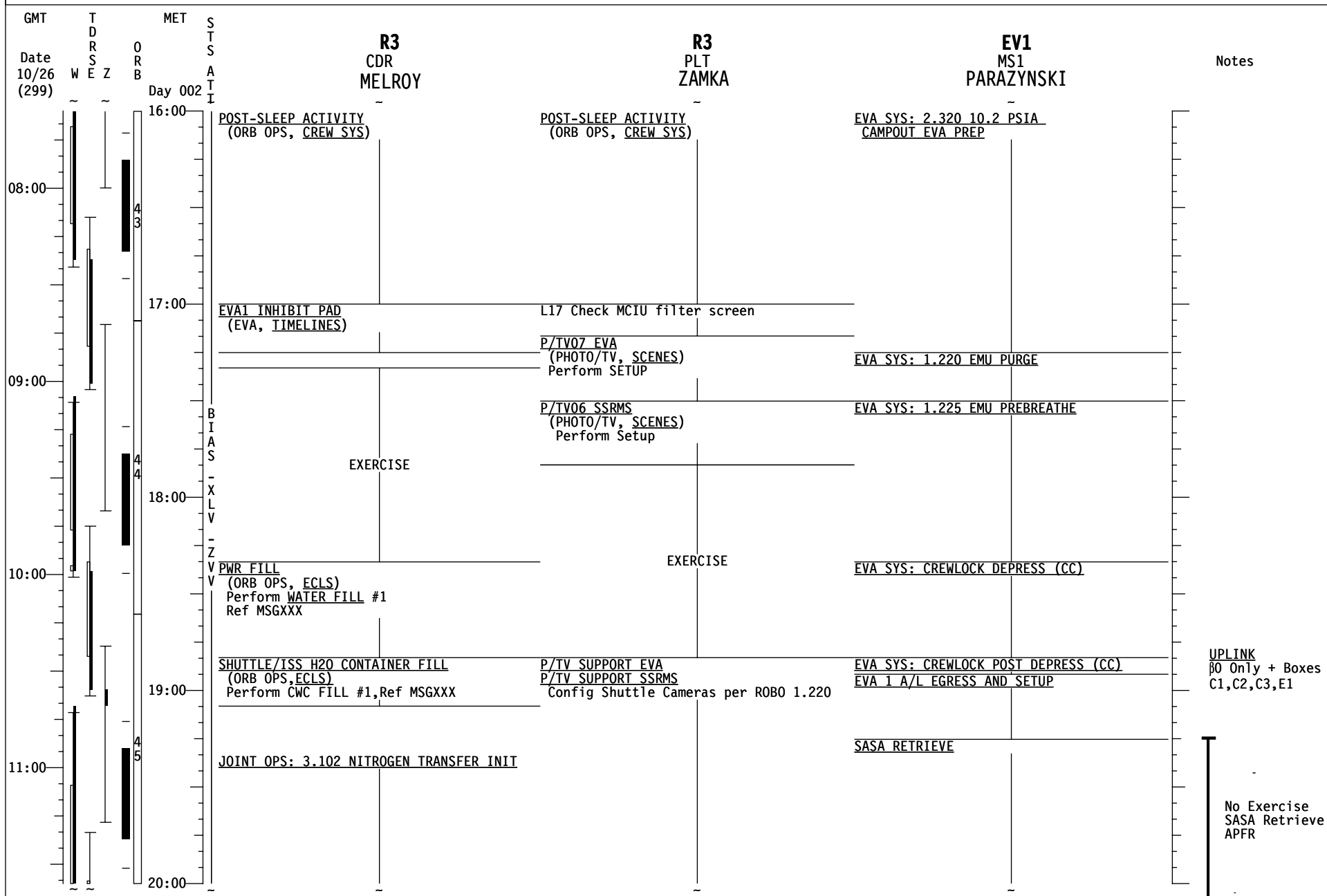
# STS-120 FD04



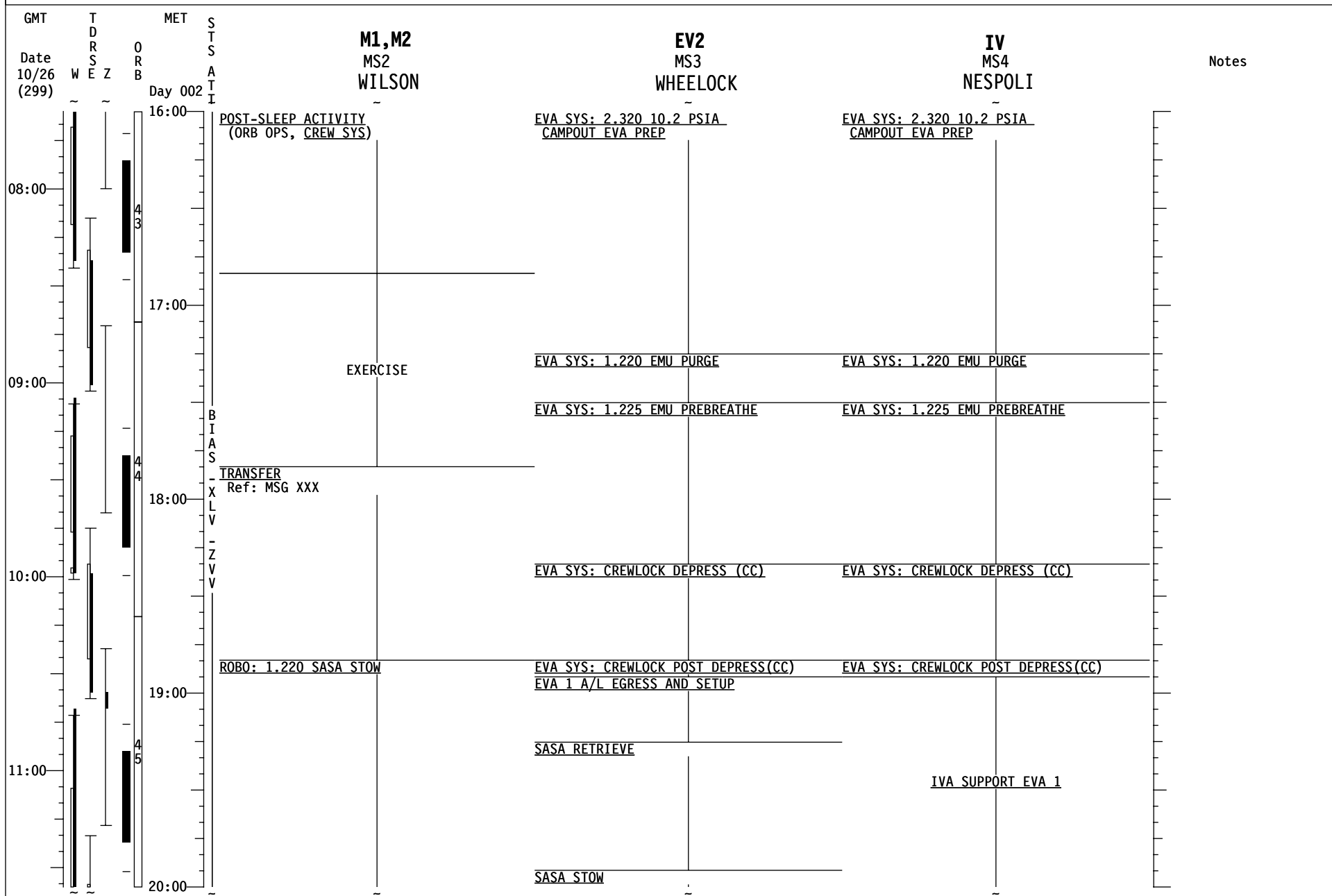
# STS-120 FD04



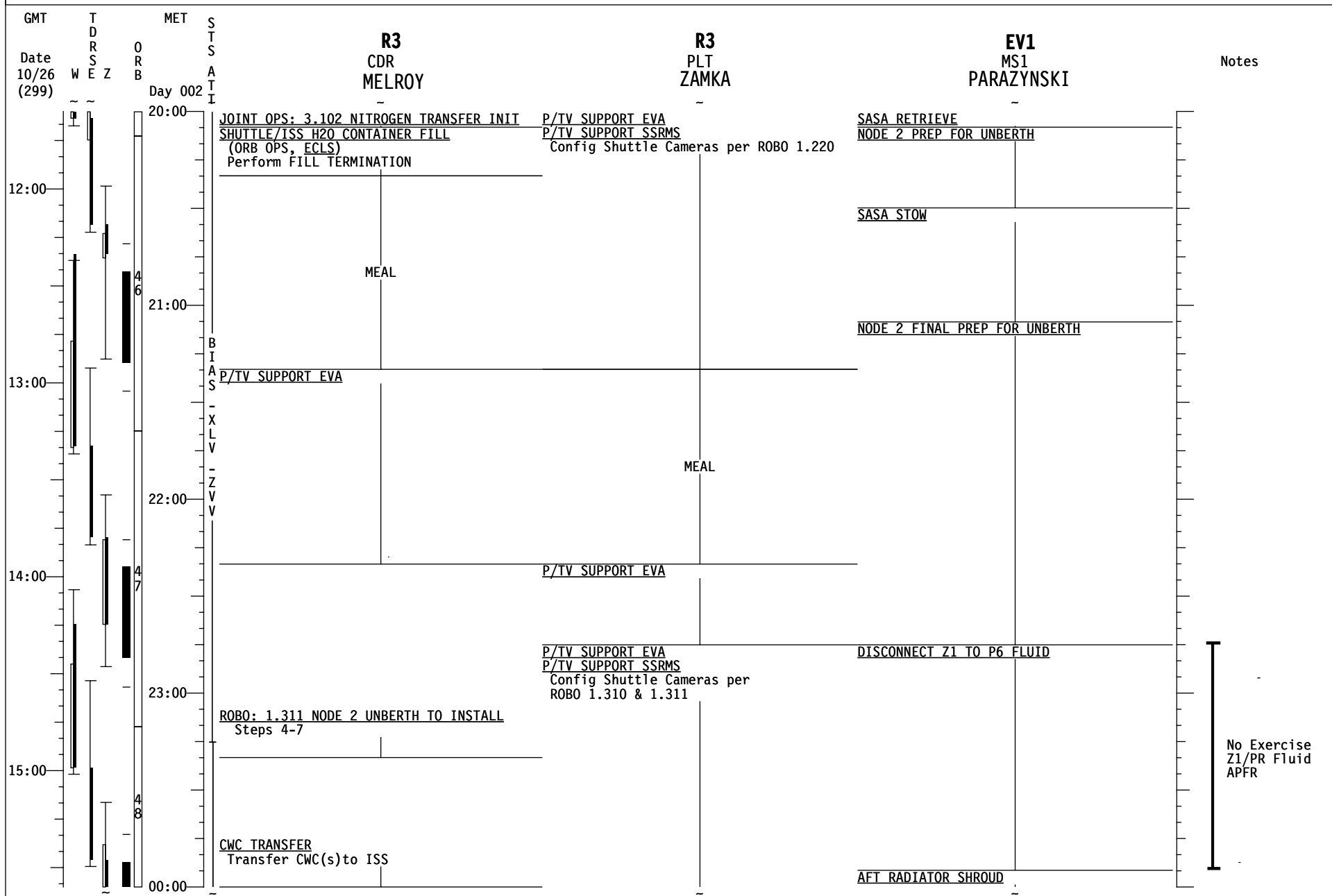
# STS-120 FD04



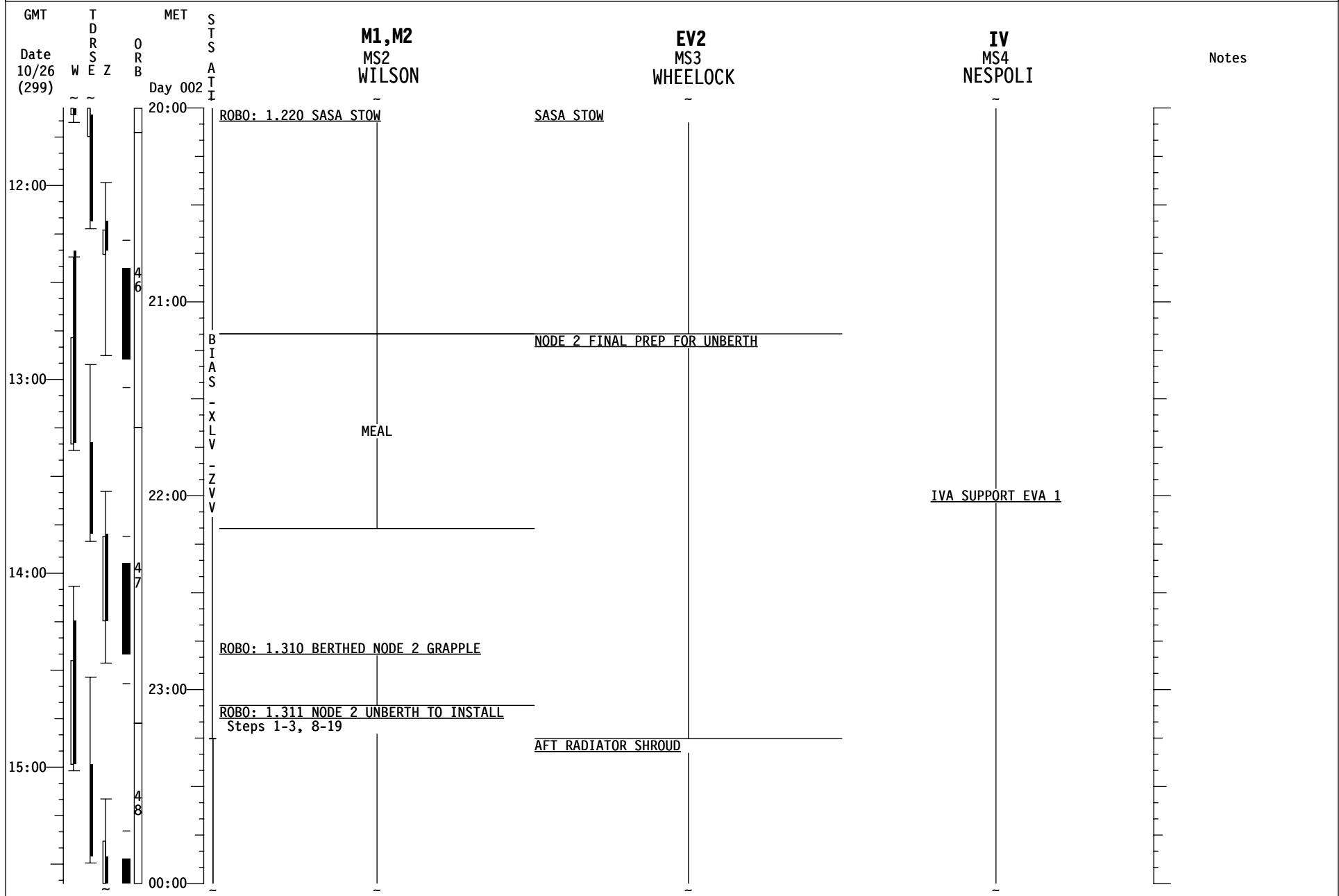
# STS-120 FD04



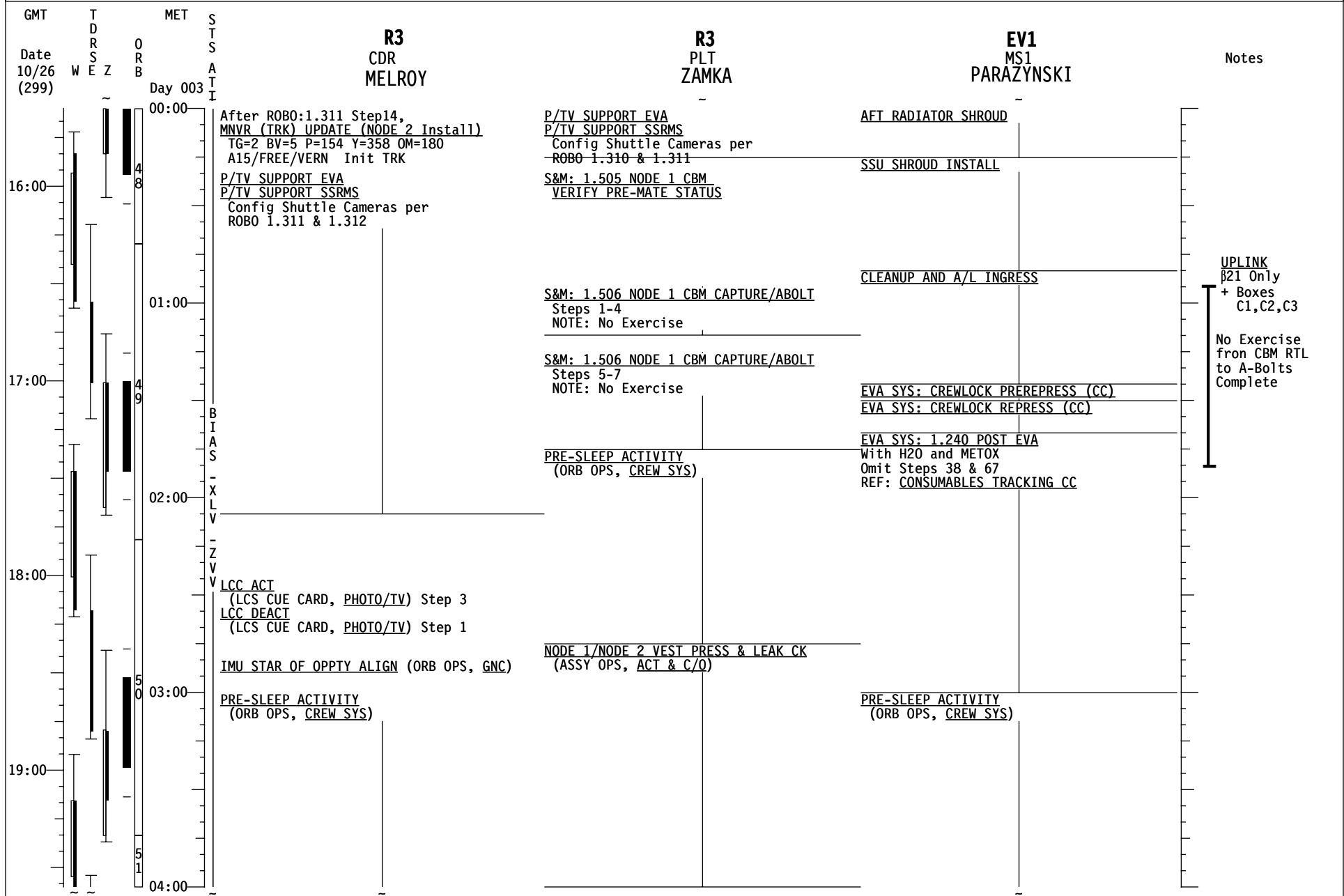
# STS-120 FD04



# STS-120 FD04



# STS-120 FD04

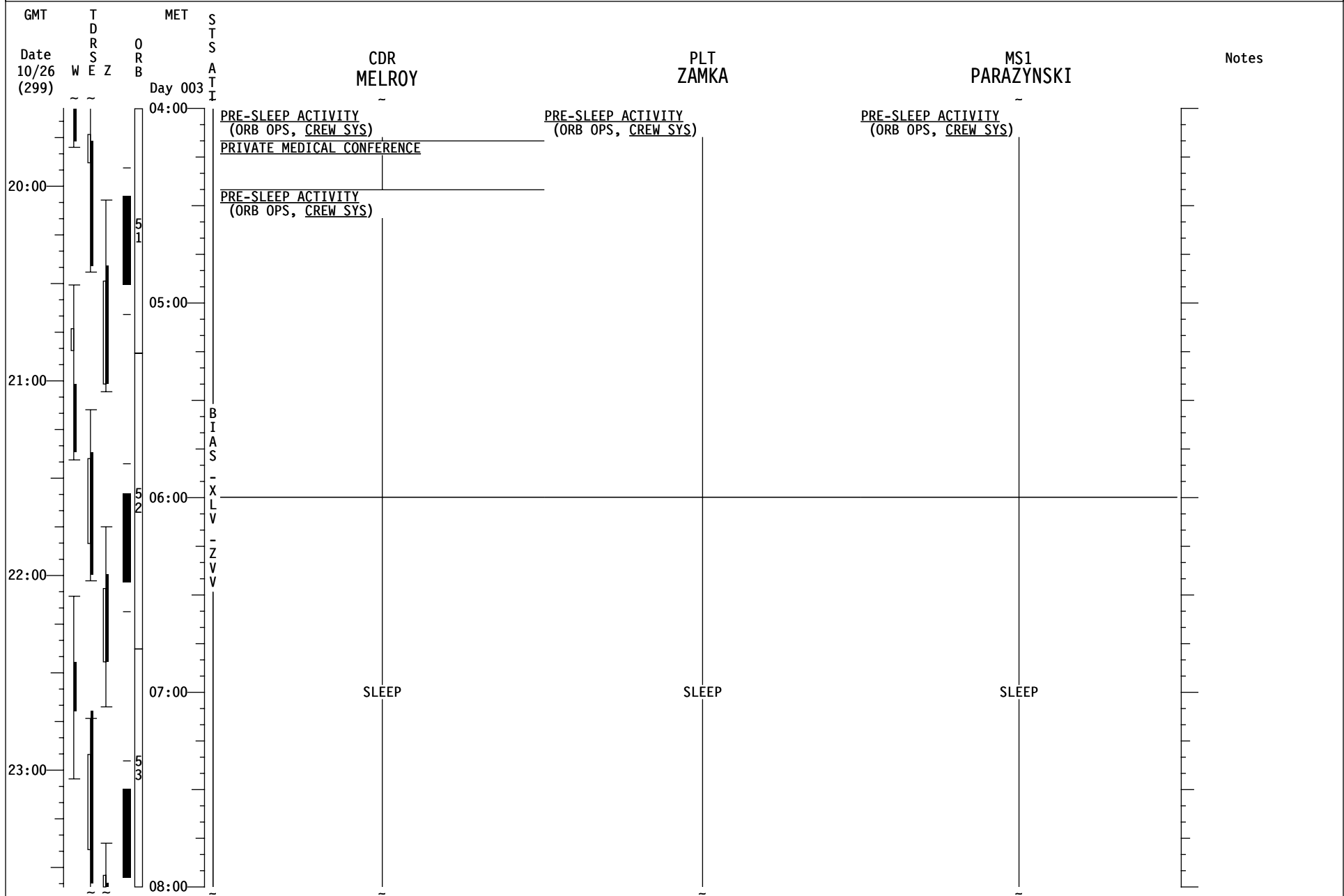




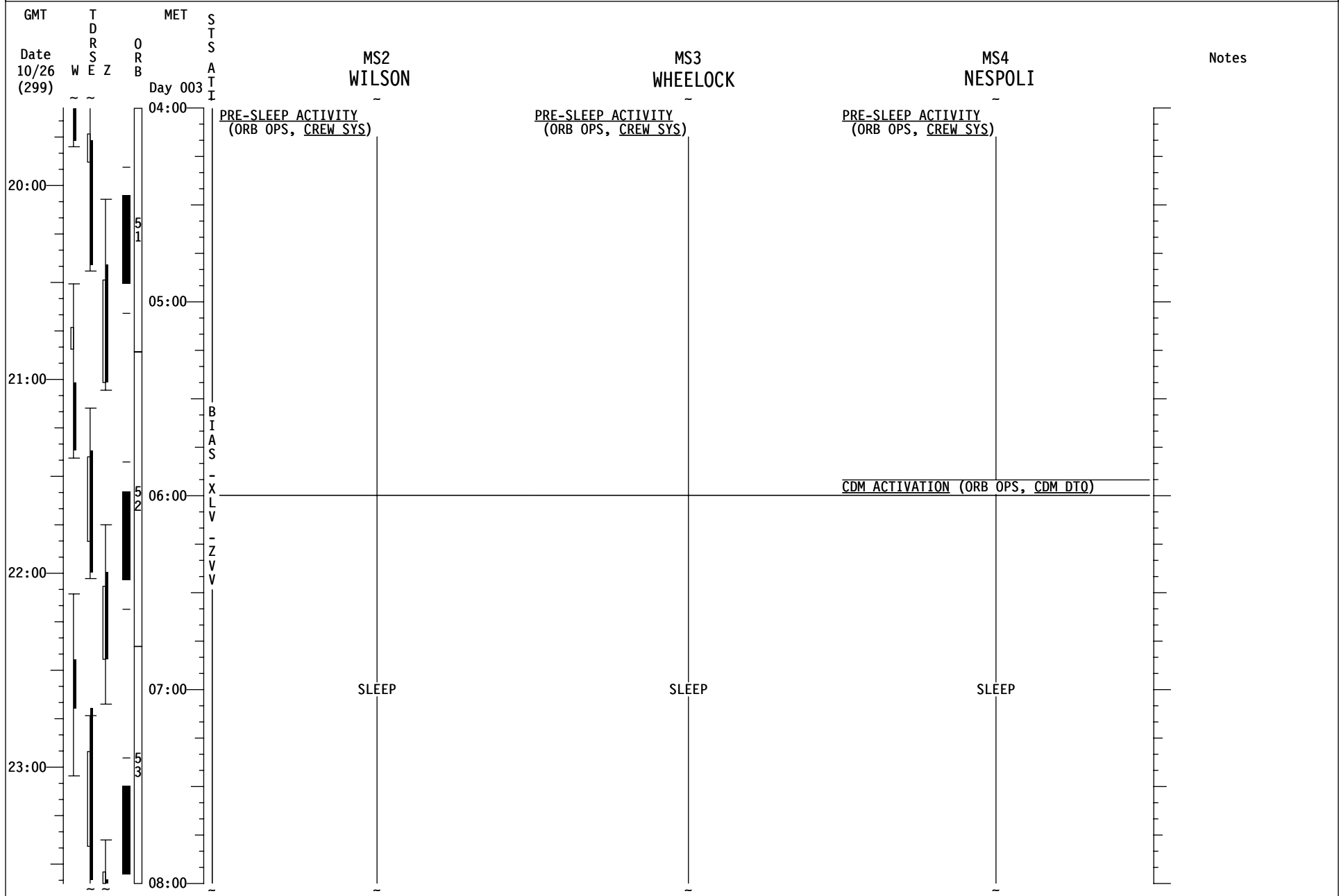
# STS-120 FD04

GMT	TDRSEZ	MET	SATS	M1, M2 MS2 WILSON	EV2 MS3 WHEELOCK	IV MS4 NESPOLI	Notes
Date 10/26 (299)	W E Z	ORB Day 003	SATS				
00:00				ROBO: 1.311 NODE 2 UNBERTH TO INSTALL Steps 1-3, 8-19	AFT RADIATOR SHROUD		
16:00					SSU SHROUD INSTALL		
						IVA SUPPORT EVA 1	
					CLEANUP AND A/L INGRESS		
01:00				ROBO: 1.311 NODE 2 UNBERTH TO INSTALL Step 20			
17:00					EVA SYS: CREWLOCK PREREPRESS (CC)	EVA SYS: CREWLOCK PREREPRESS (CC)	
					EVA SYS: CREWLOCK REPRESS (CC)	EVA SYS: CREWLOCK REPRESS (CC)	
				ROBO: 1.311 NODE 2 UNBERTH TO INSTALL Steps 21-23	EVA SYS: 1.240 POST EVA With H2O and METOX Omit Steps 38 & 67	EVA SYS: 1.240 POST EVA With H2O and METOX Omit Steps 38 & 67	
				ROBO: 1.312 NODE 2 MATED UNGRAPPLE	REF: CONSUMABLES TRACKING CC	REF: CONSUMABLES TRACKING CC	
02:00							
18:00						EVA SYS: 1.605 BSA BATTERY RECHARGE (INIT)	
				TRANSFER BRIEF: CALL DOWN STATUS TO MCC		Ref: BATTERY RECHARGE PLAN	
03:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
19:00							
04:00							

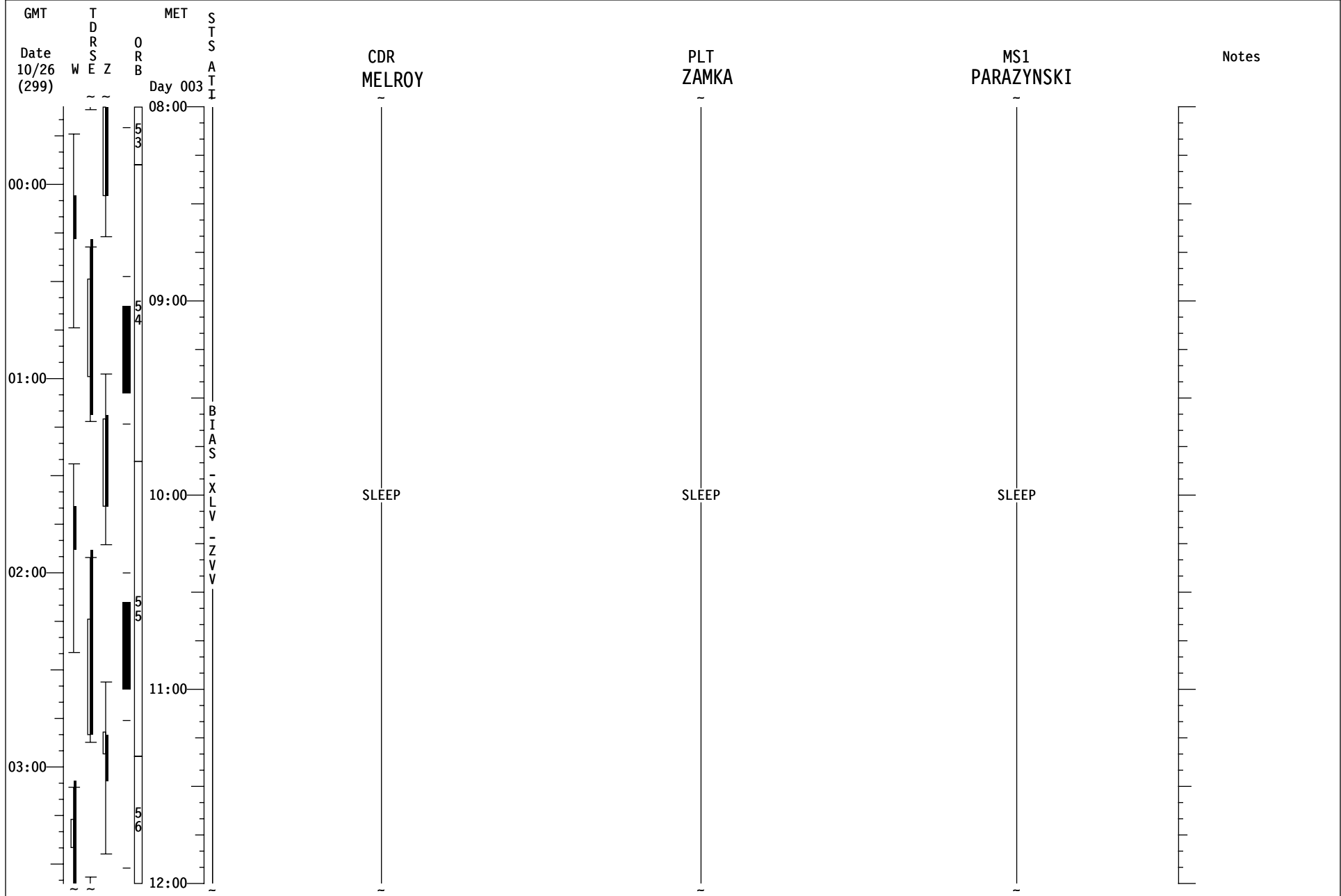
# STS-120 FD04



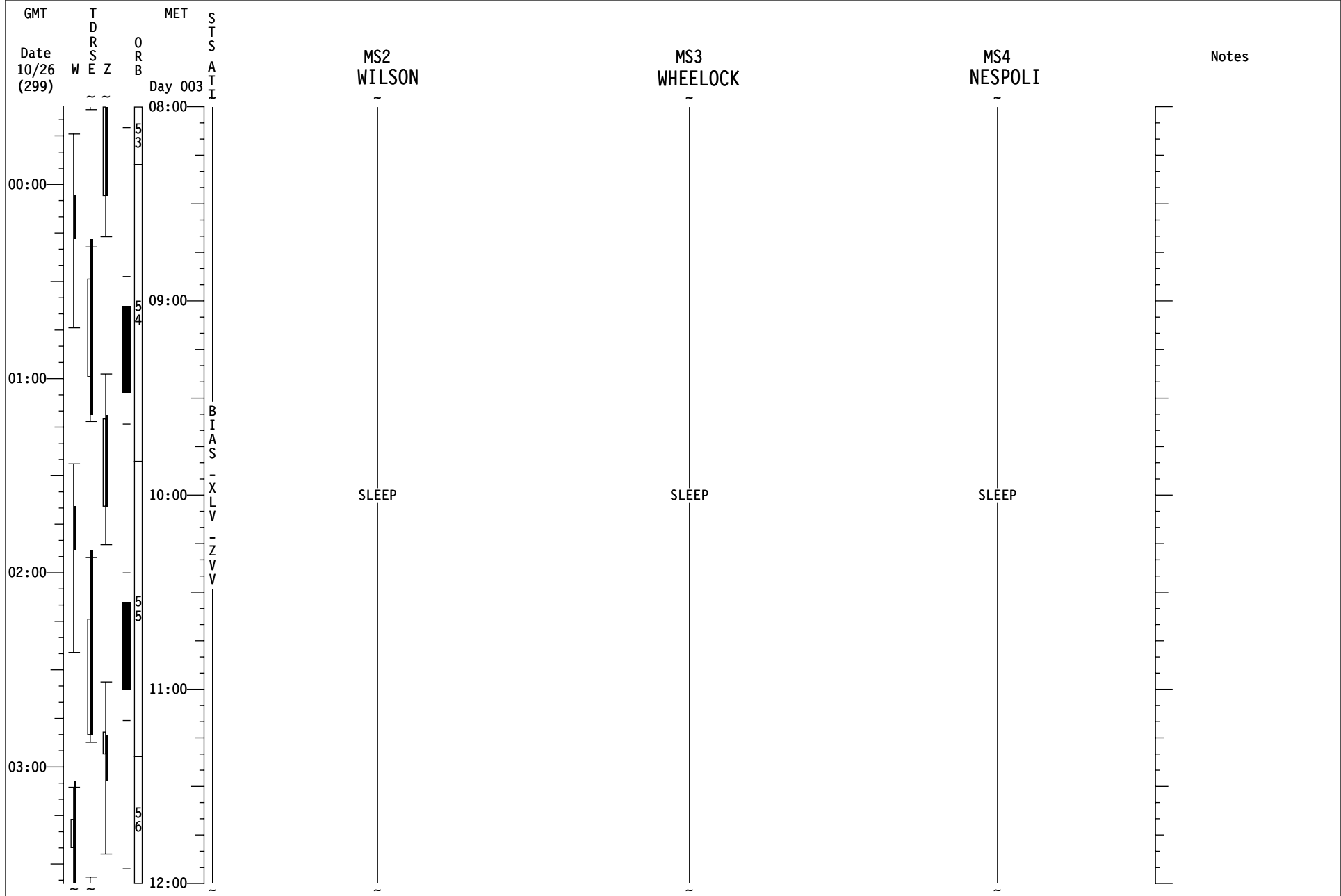
# STS-120 FD04



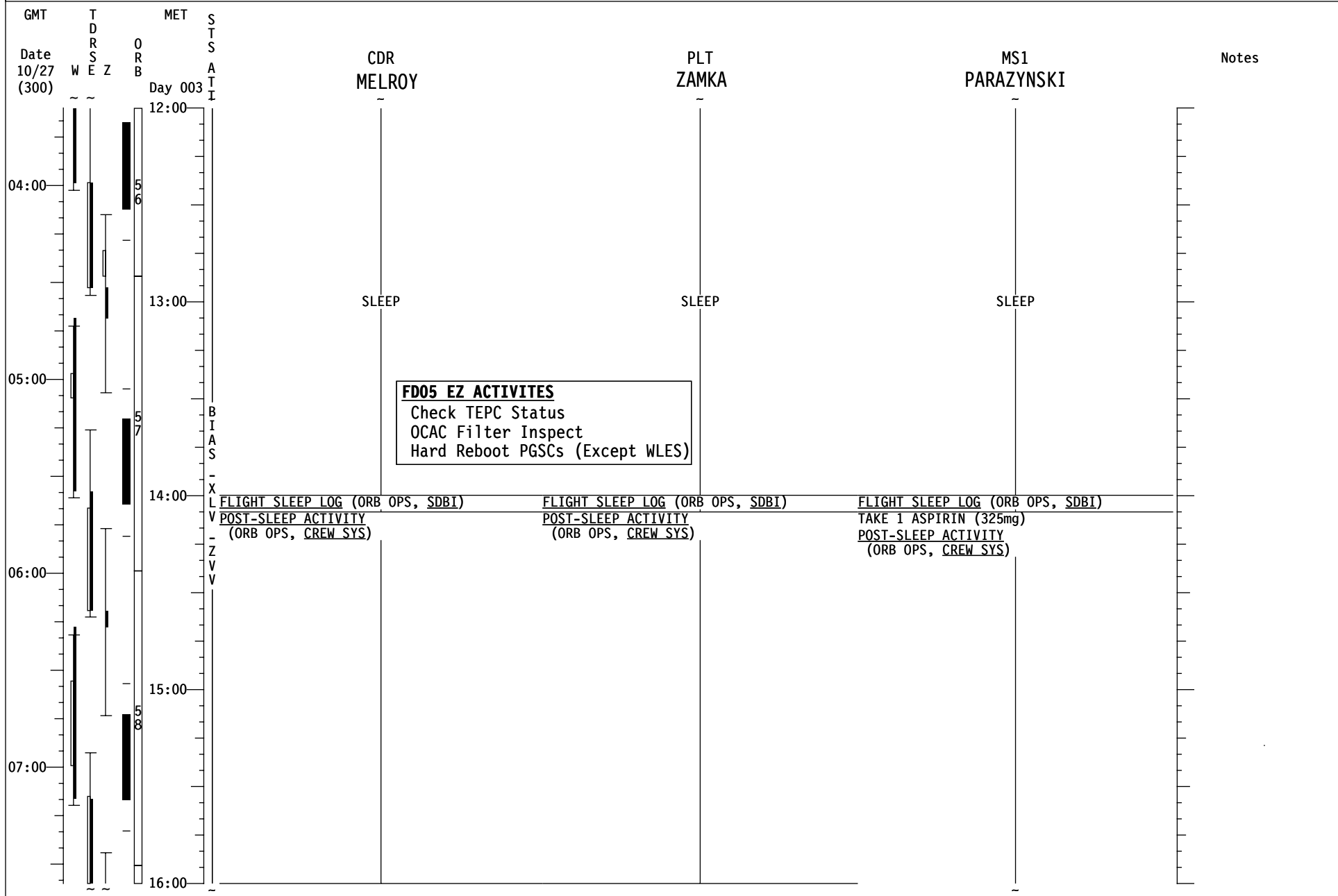
# STS-120 FD04



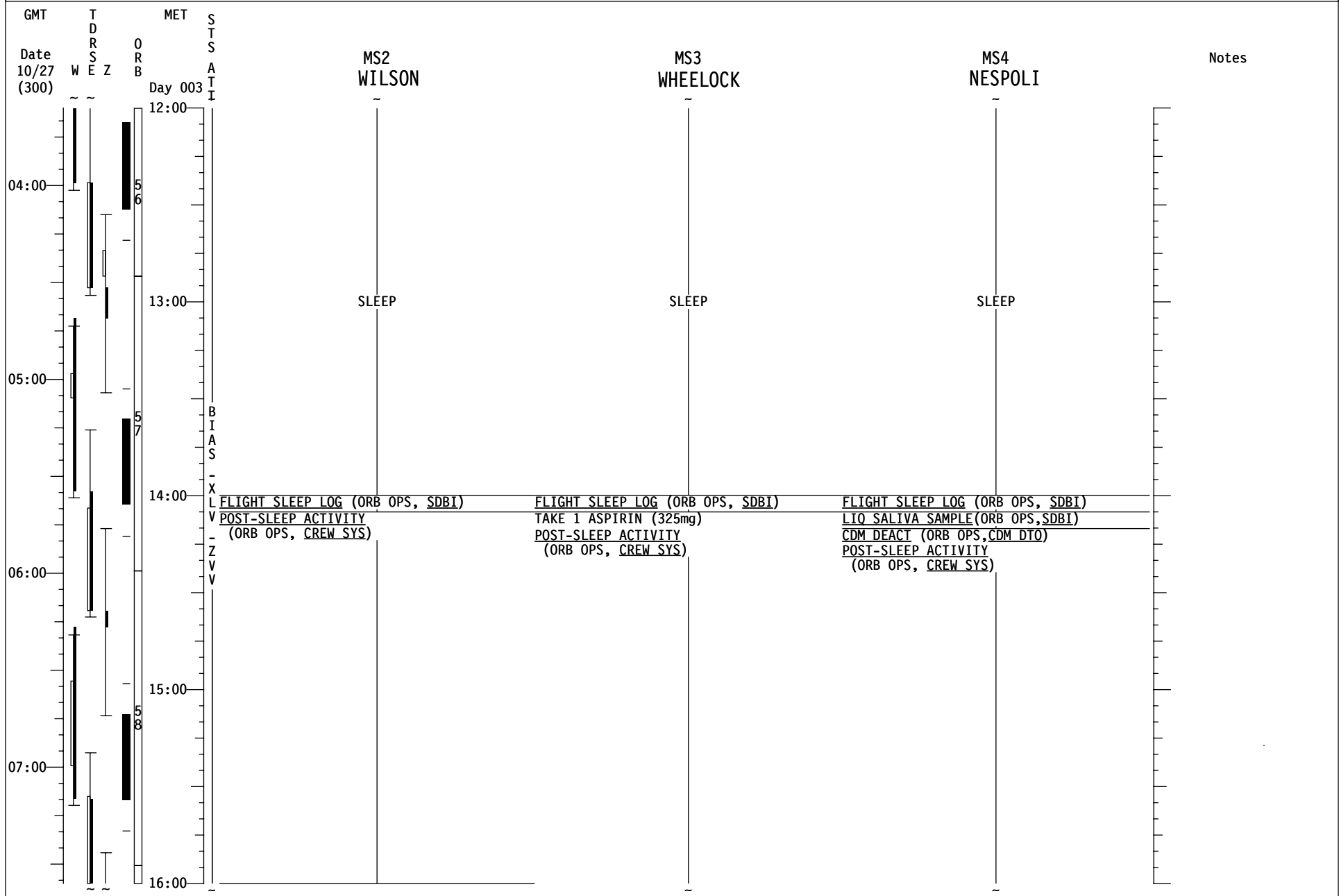
# STS-120 FD 04



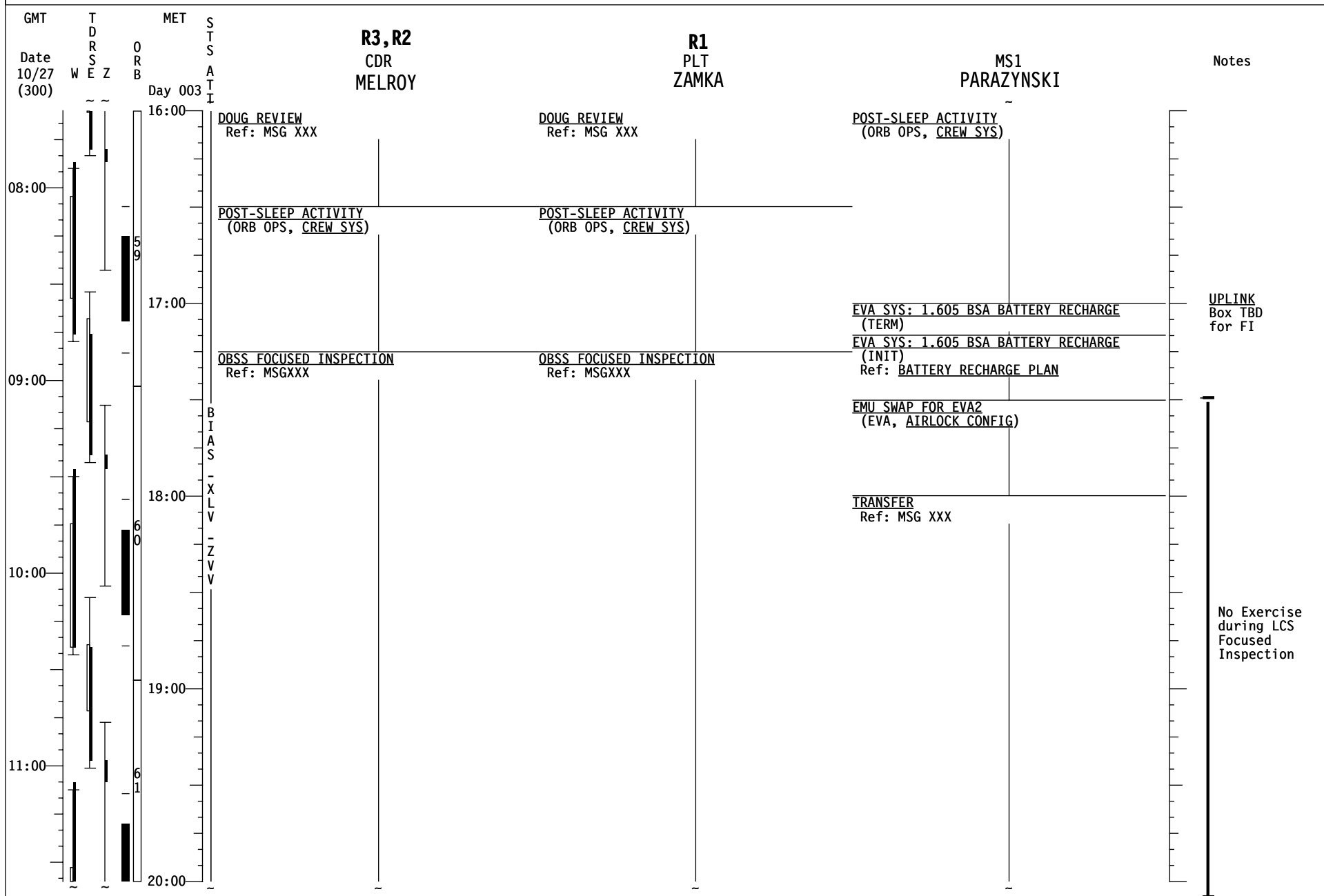
# STS-120 FD05



# STS-120 FD05

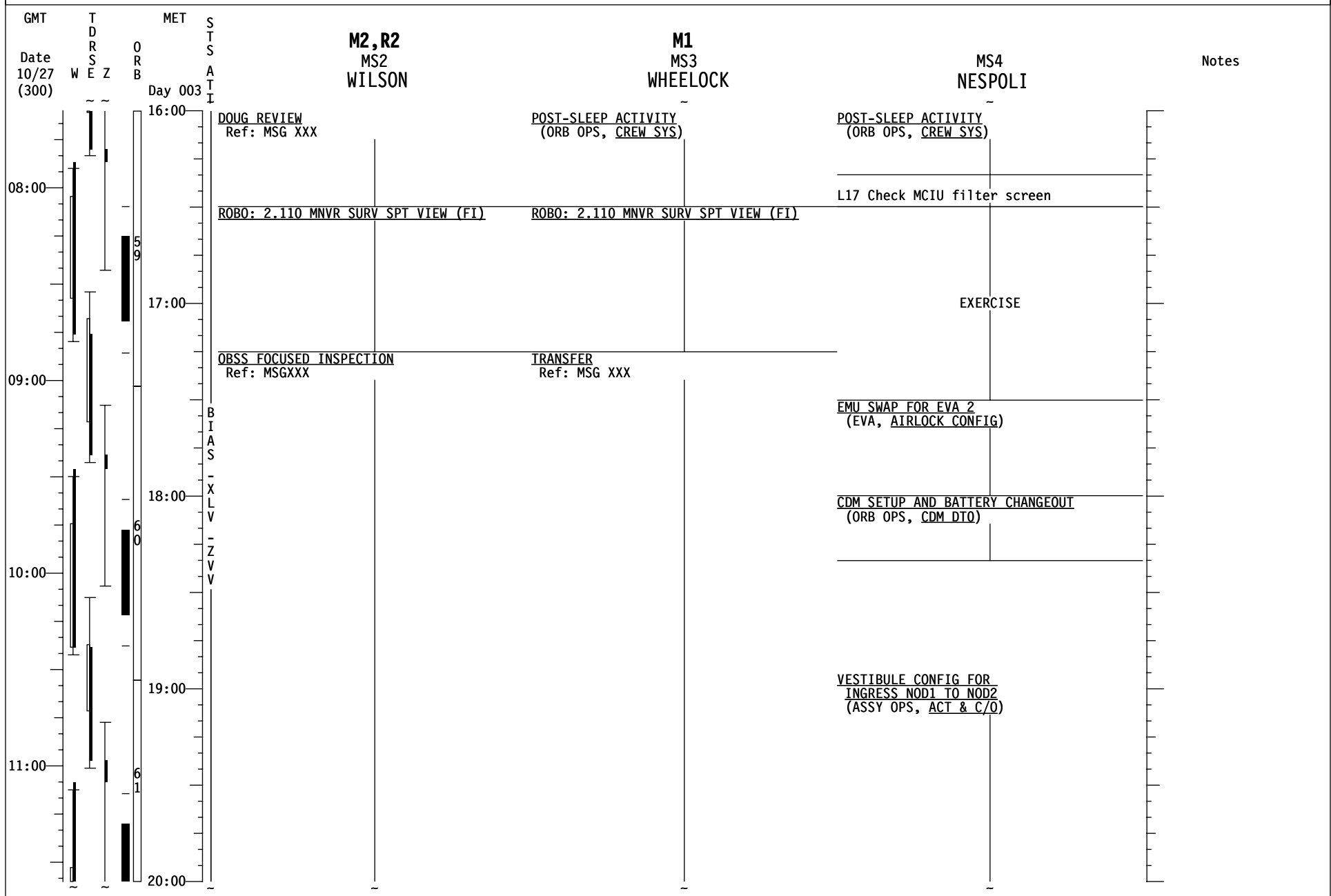


# STS-120 FD05

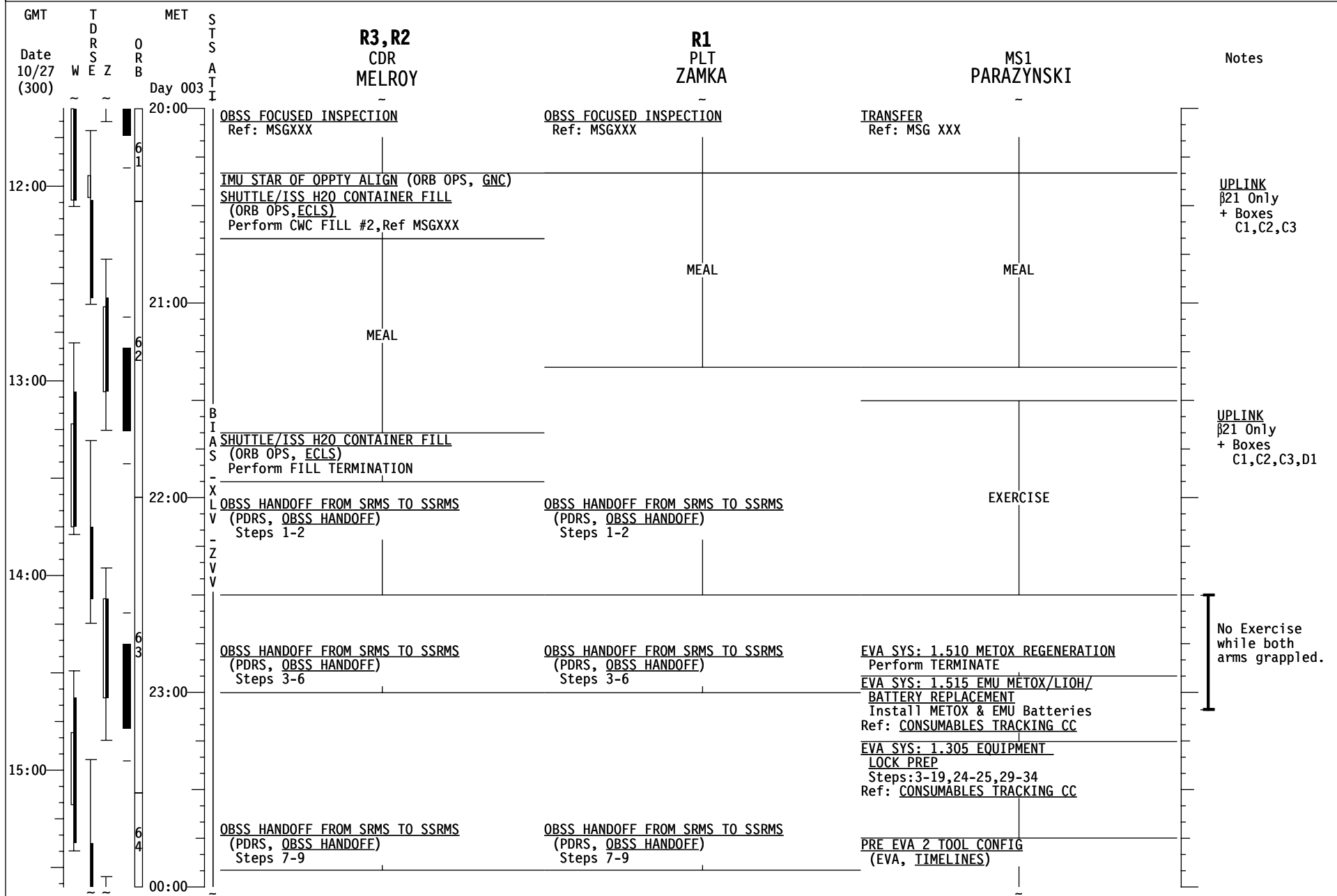




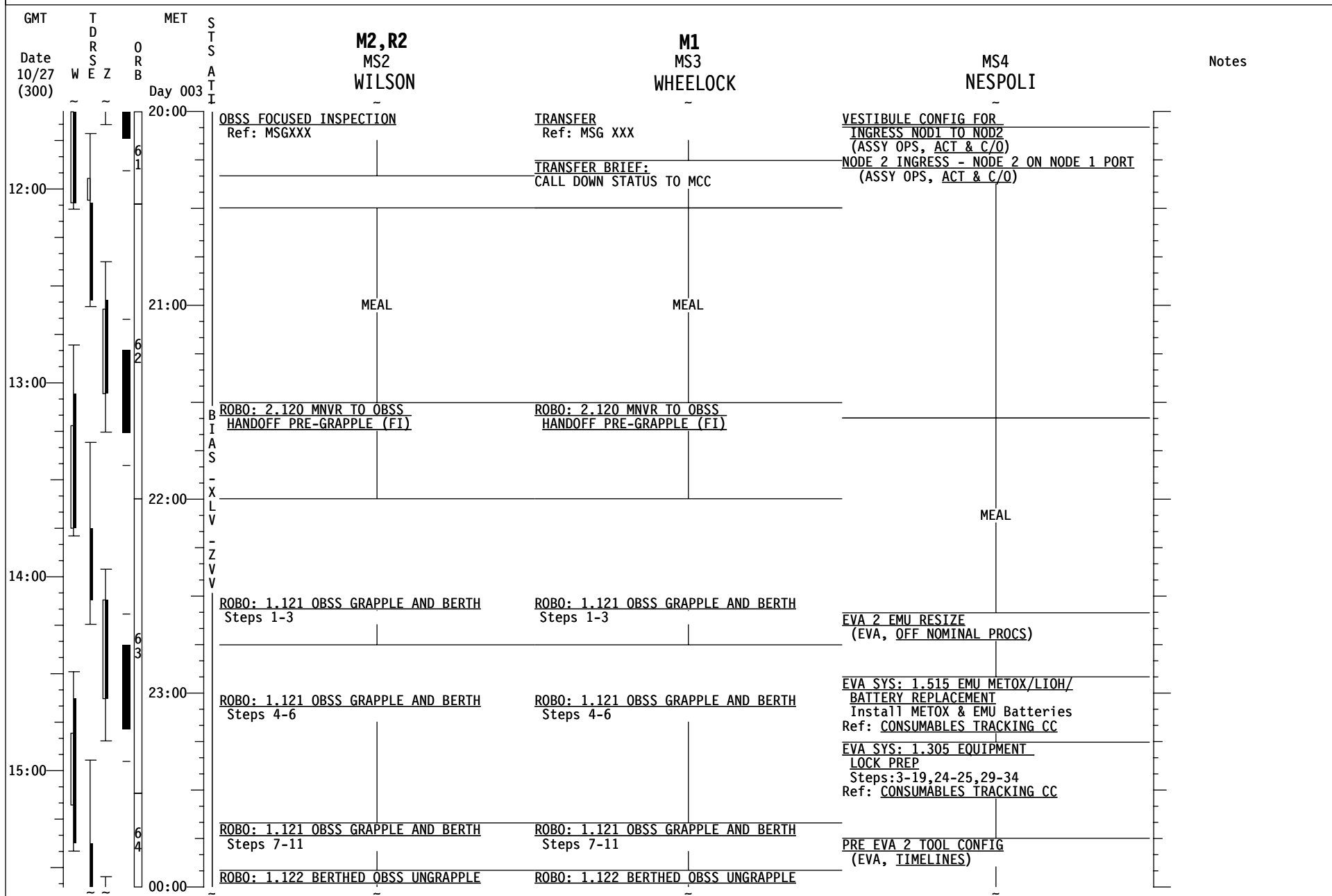
# STS-120 FD05



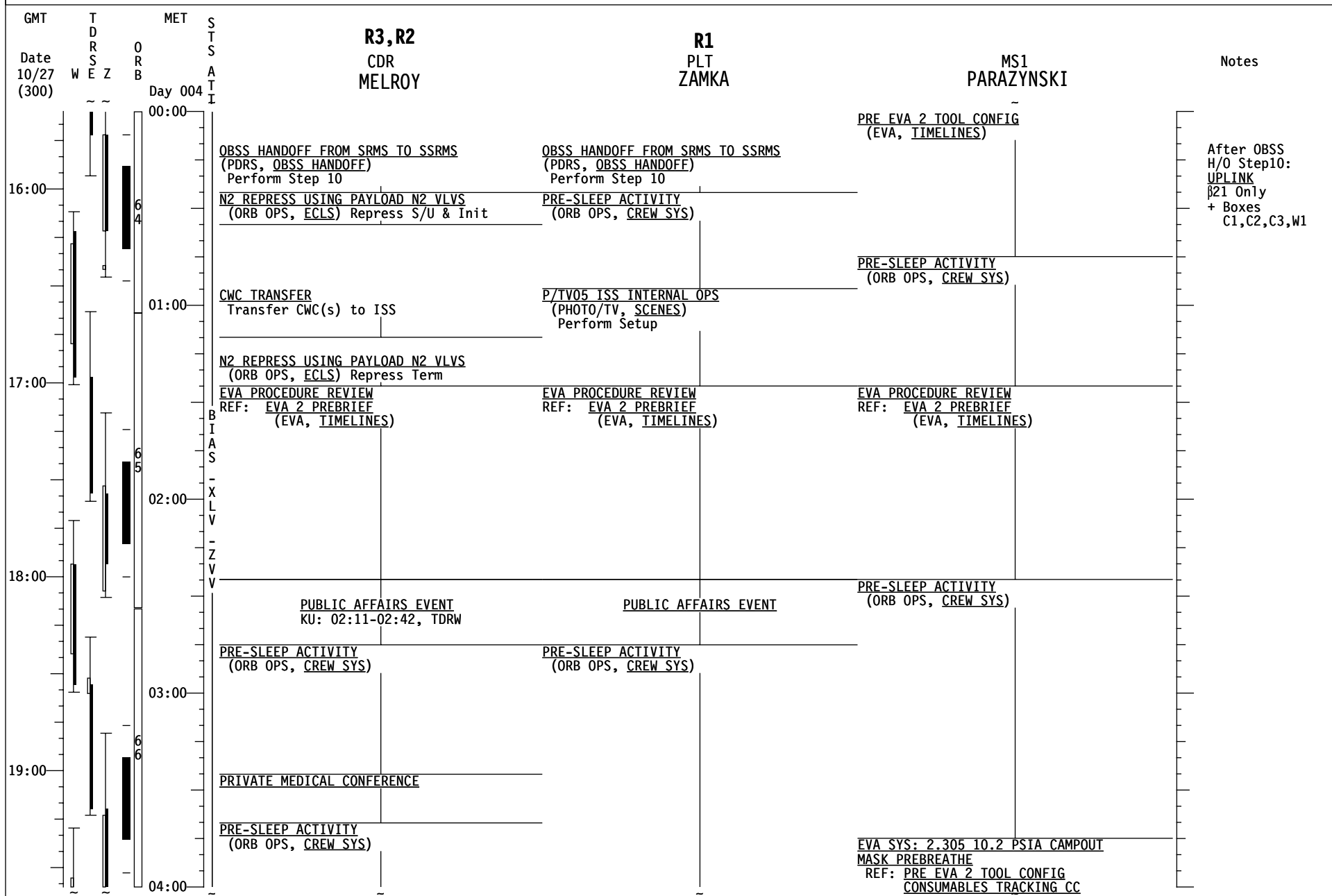
# STS-120 FD05



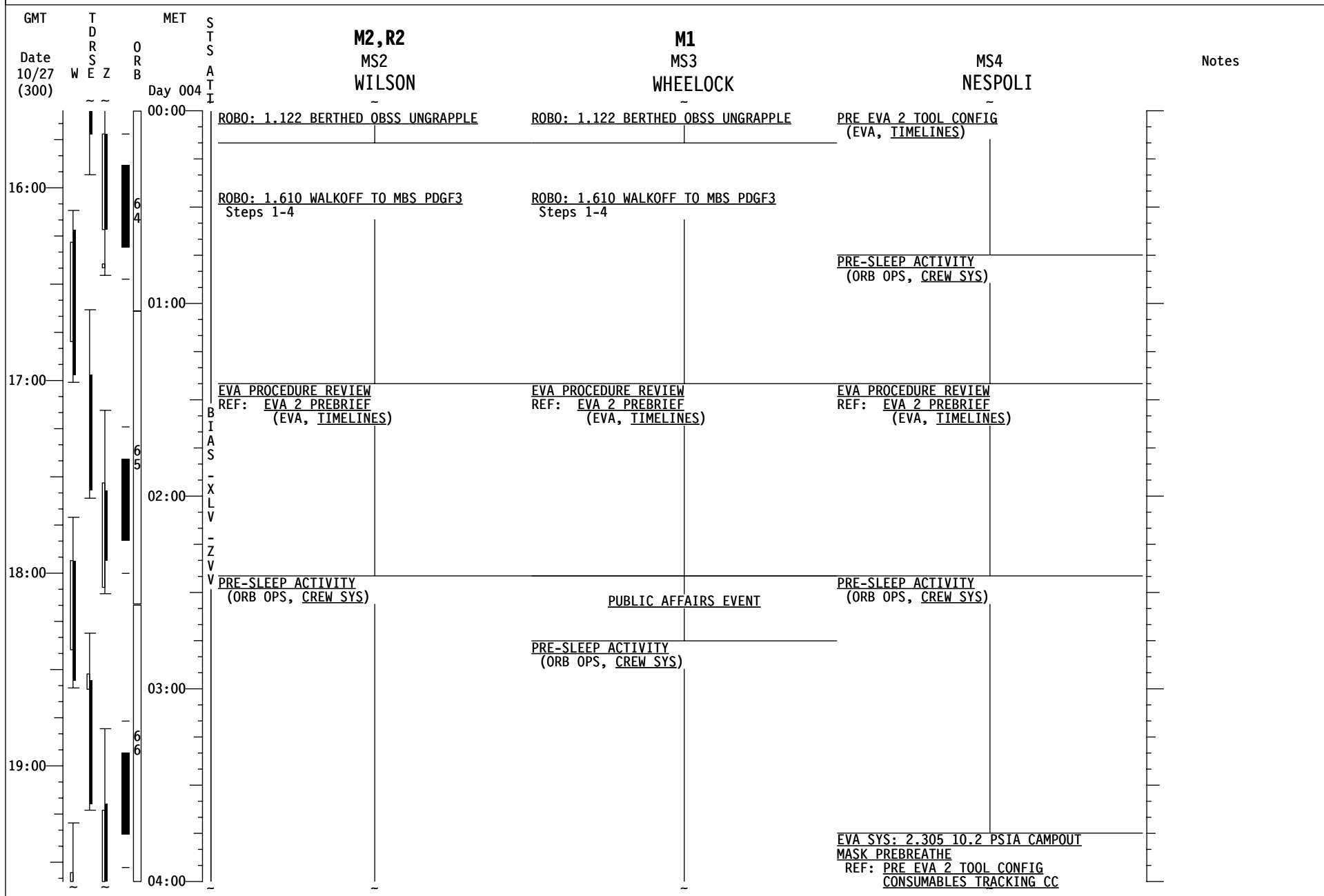
# STS-120 FD05



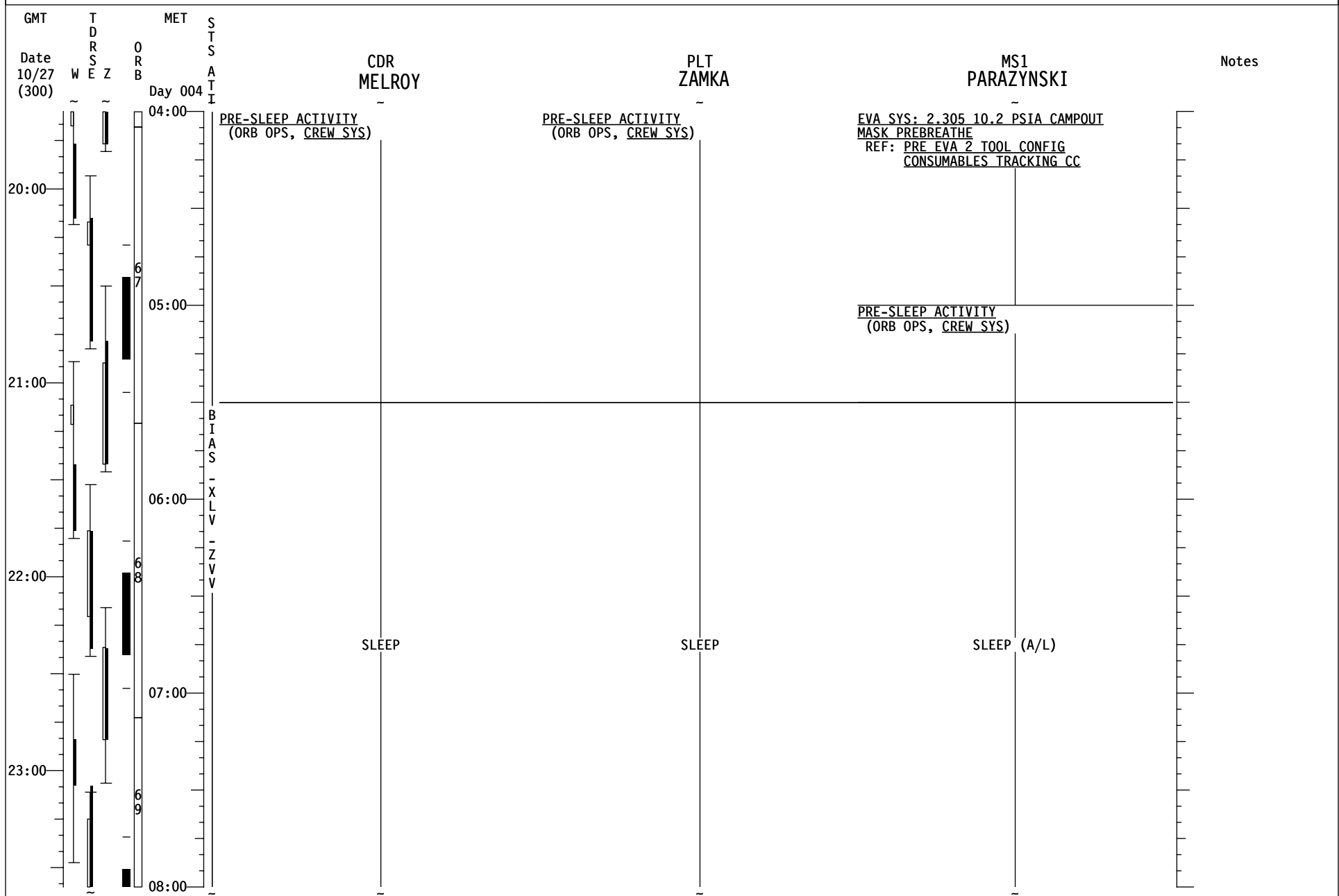
# STS-120 FD05



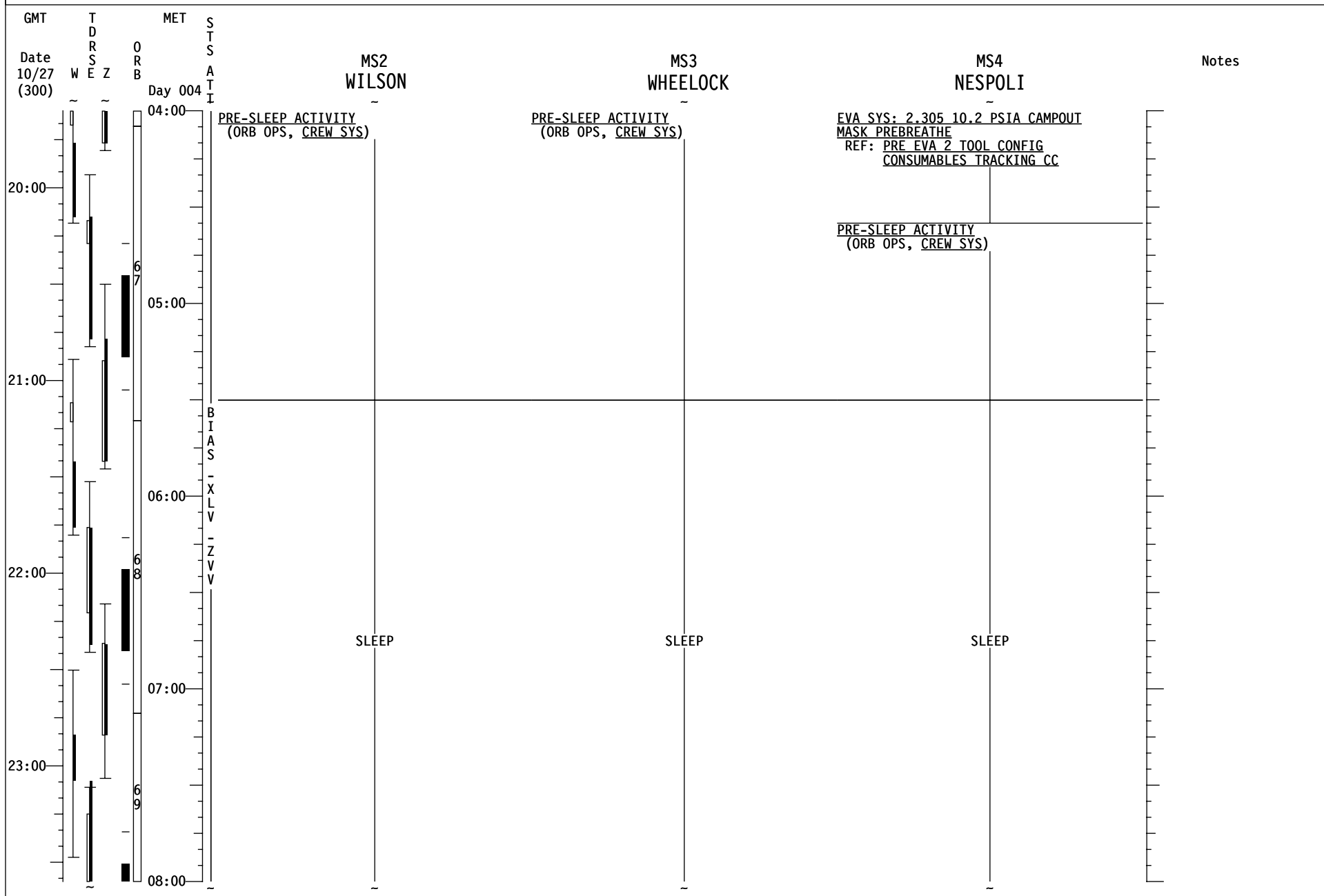
# STS-120 FD05



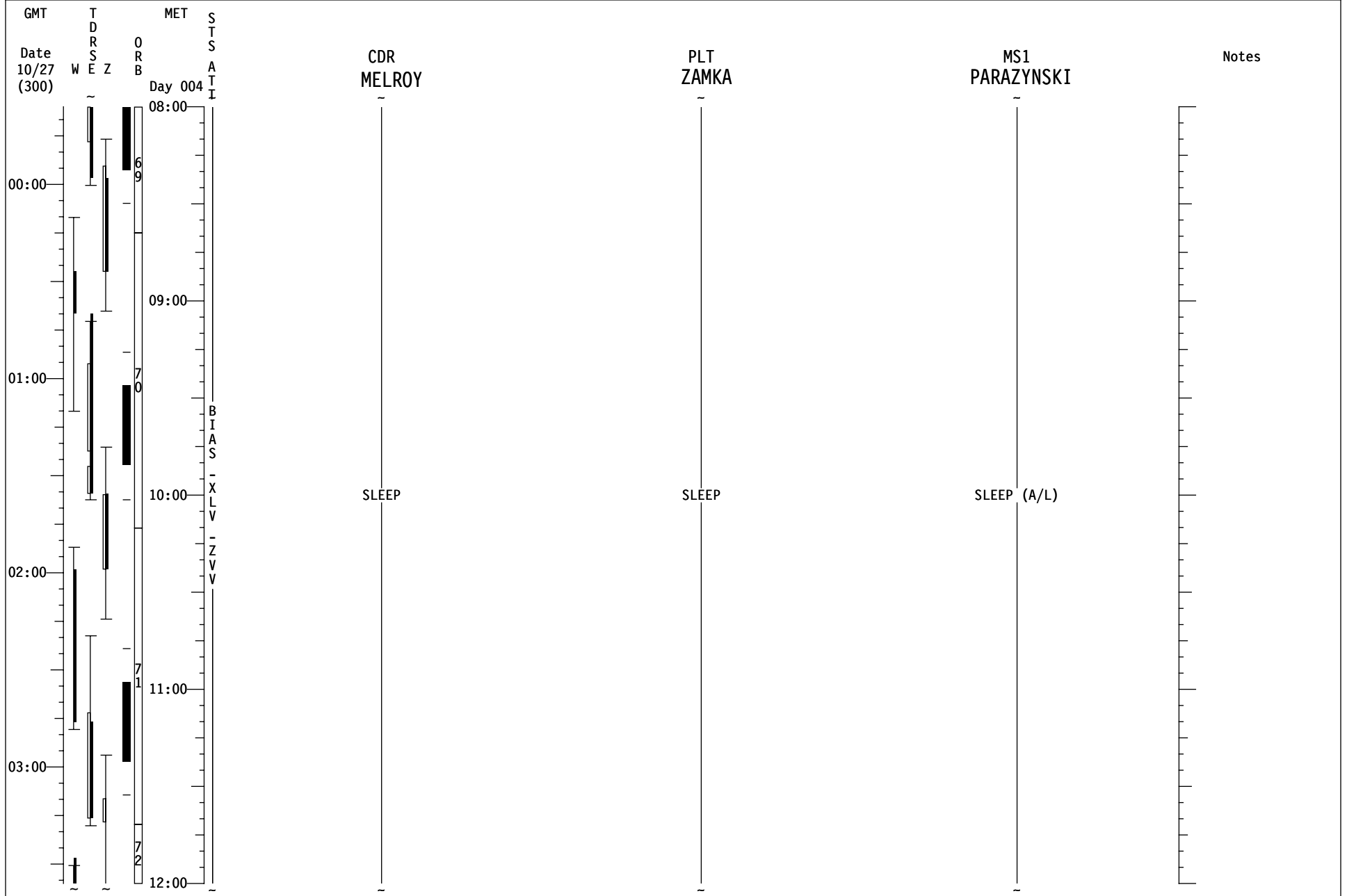
# STS-120 FD05



# STS-120 FD05

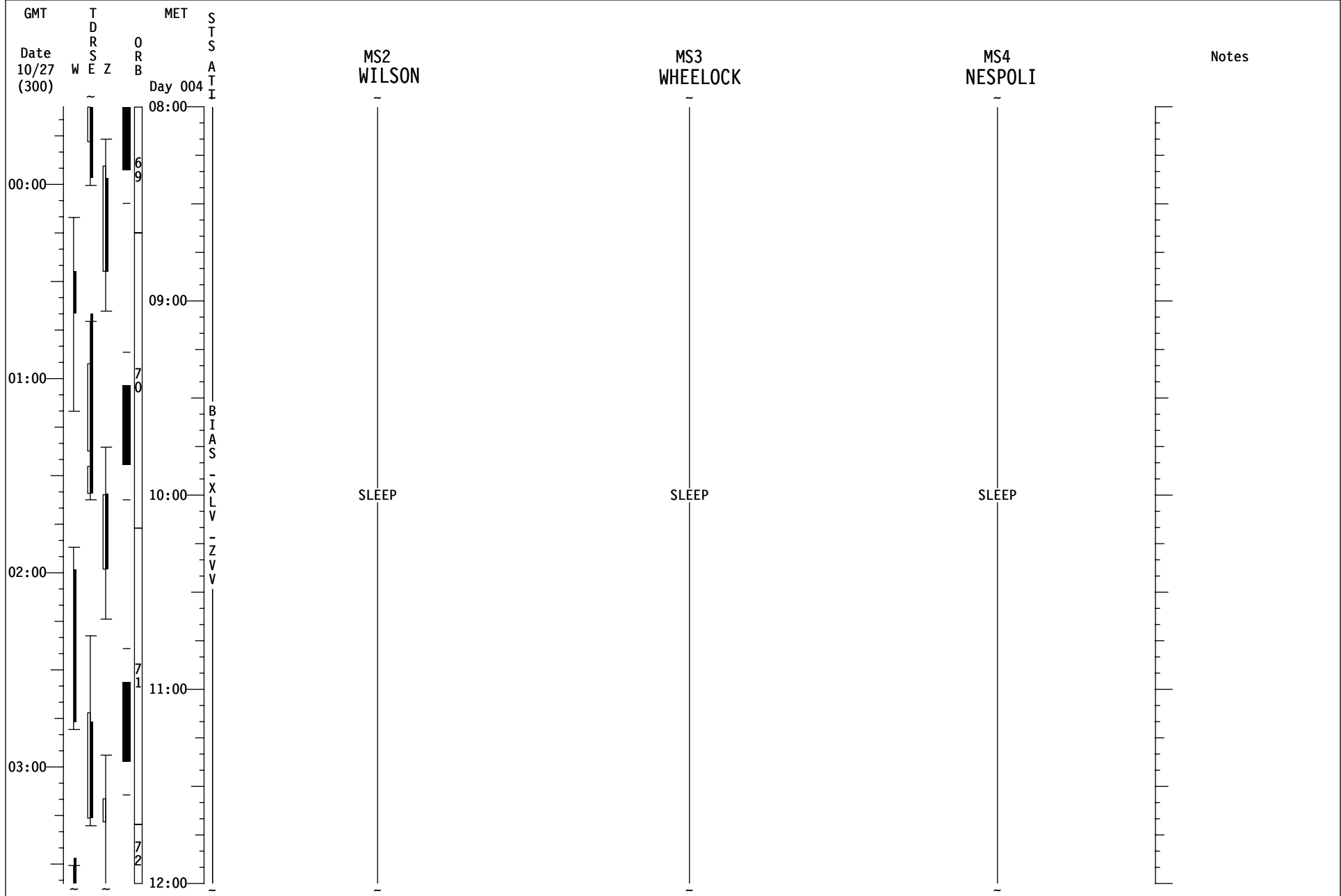


# STS-120 FD05

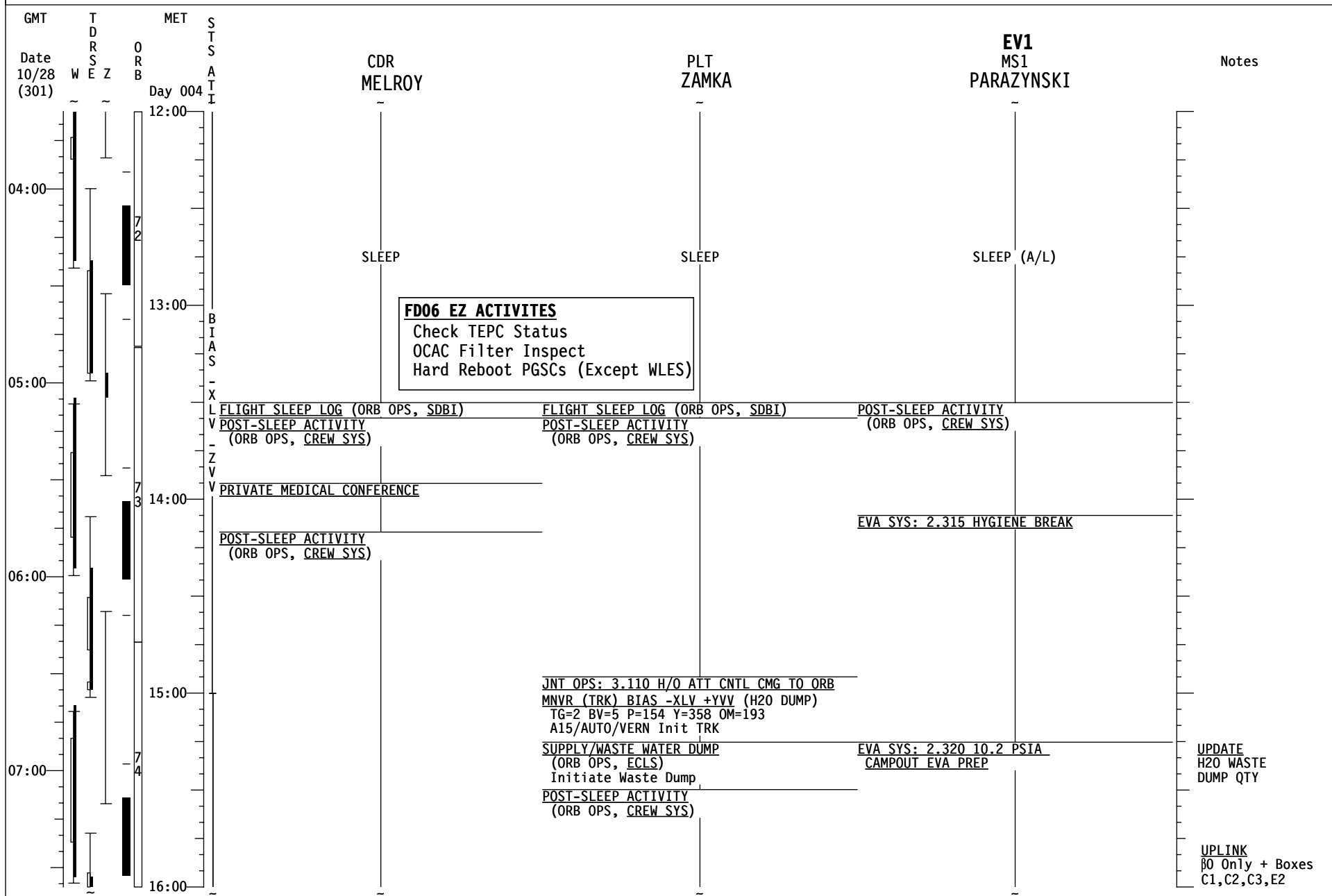




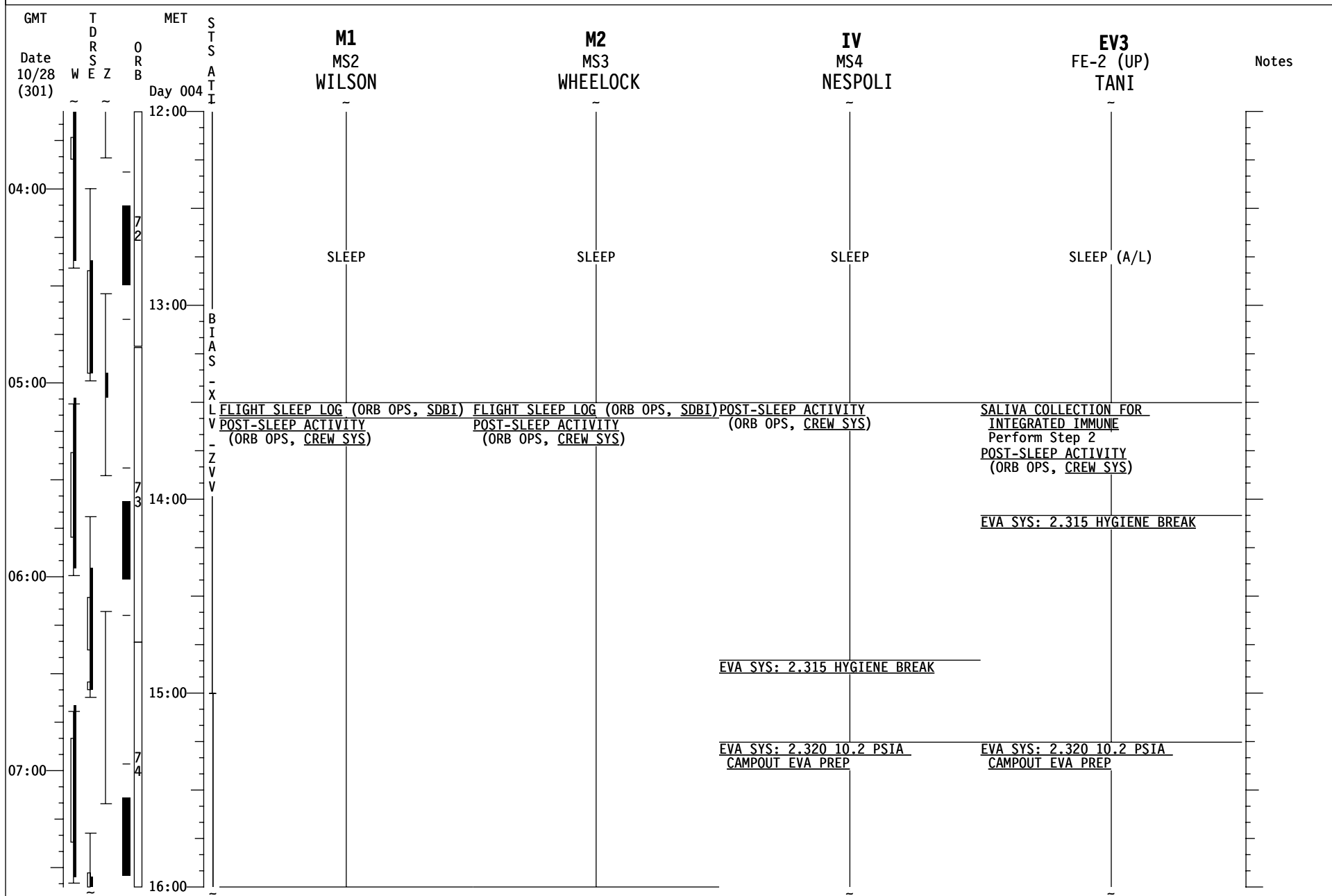
# STS-120 FD05



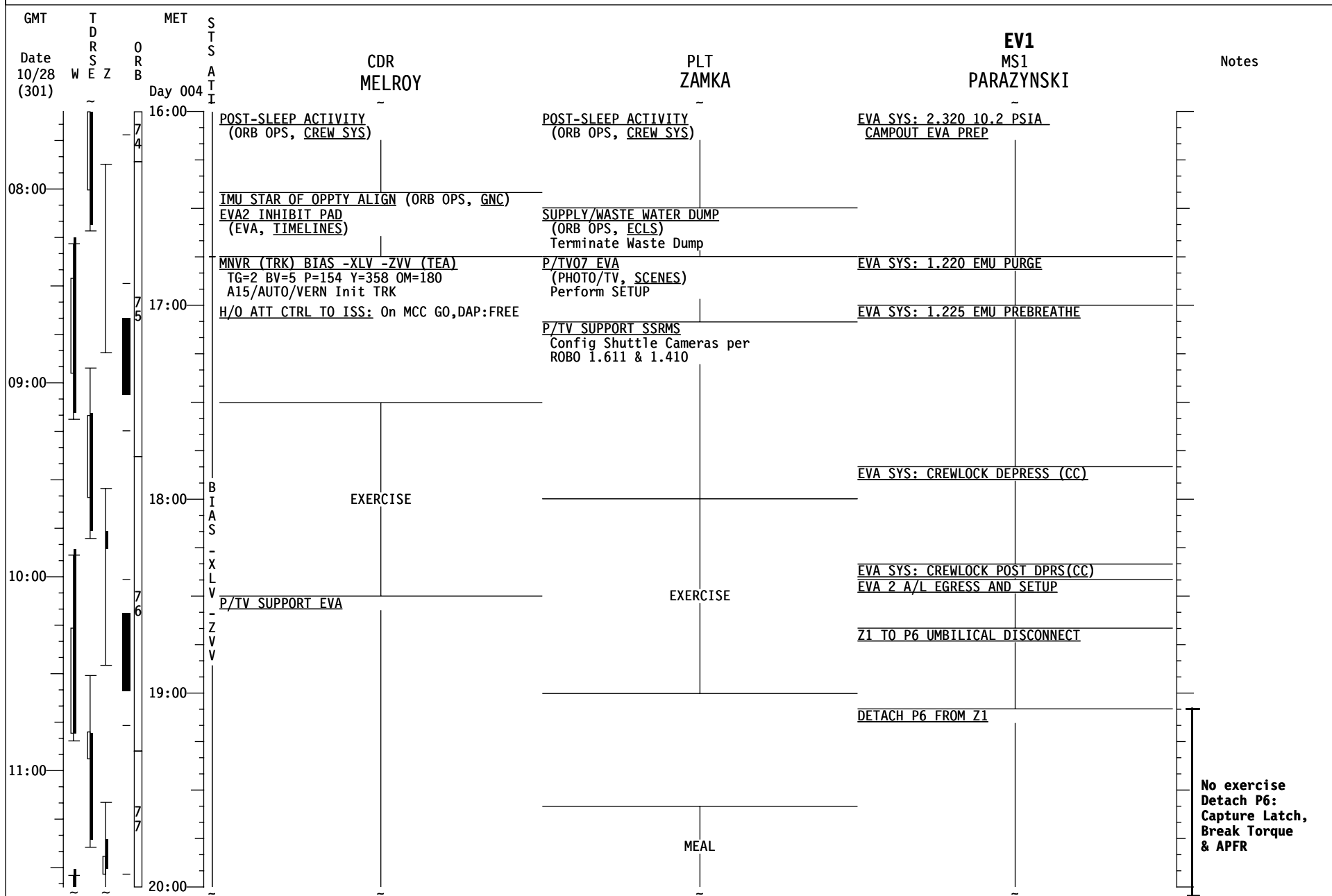
# STS-120 FD06



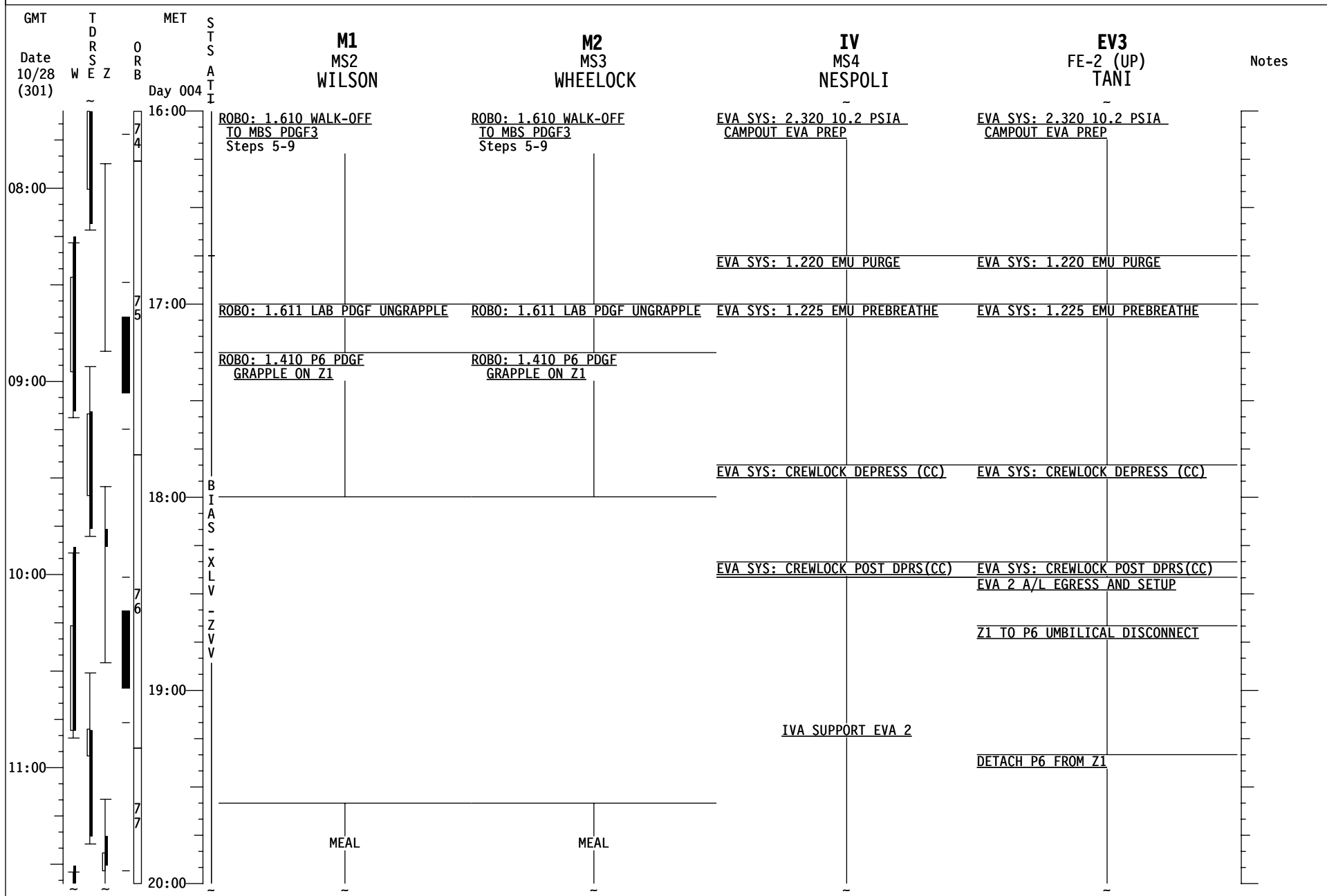
# STS-120 FD06



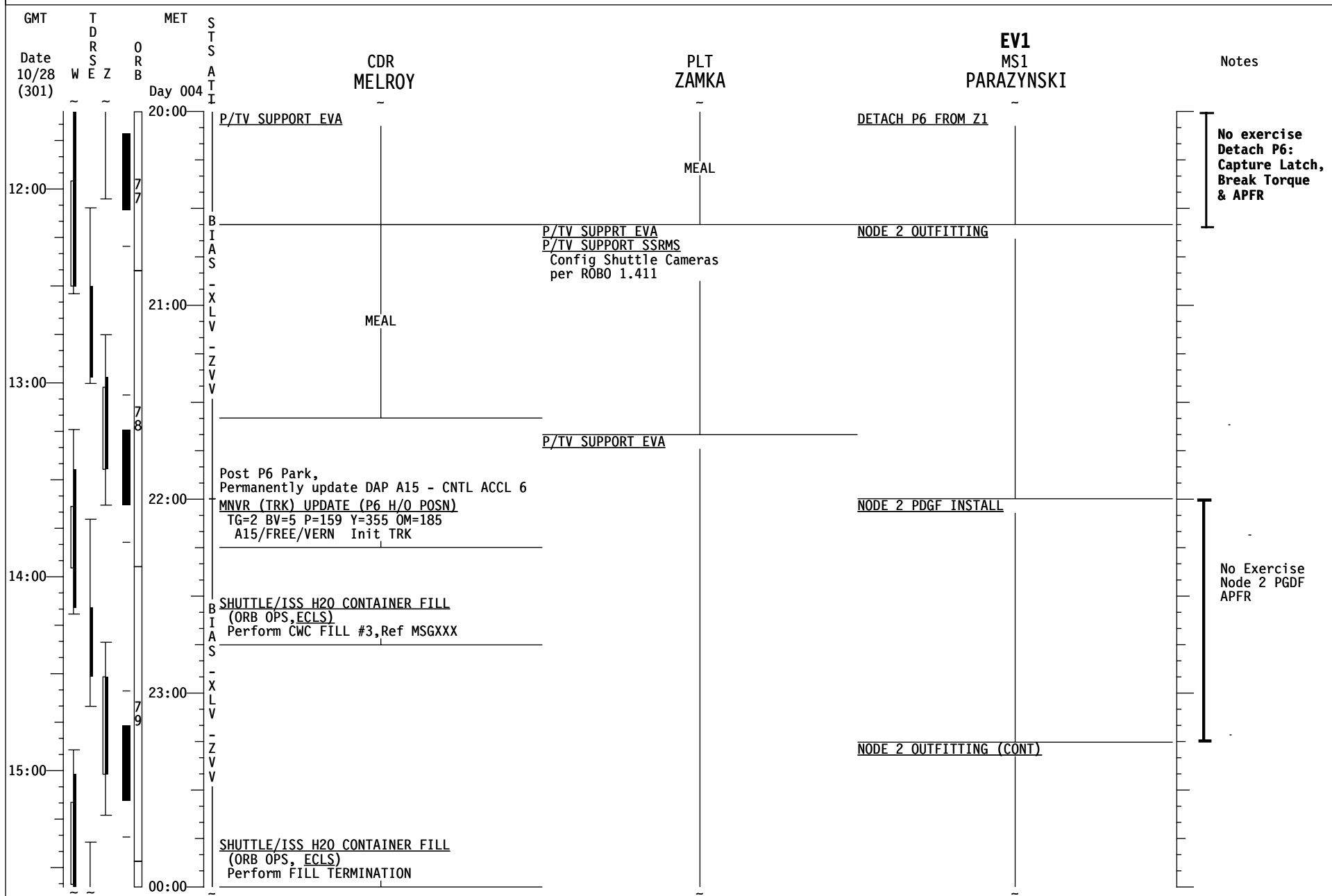
# STS-120 FD06



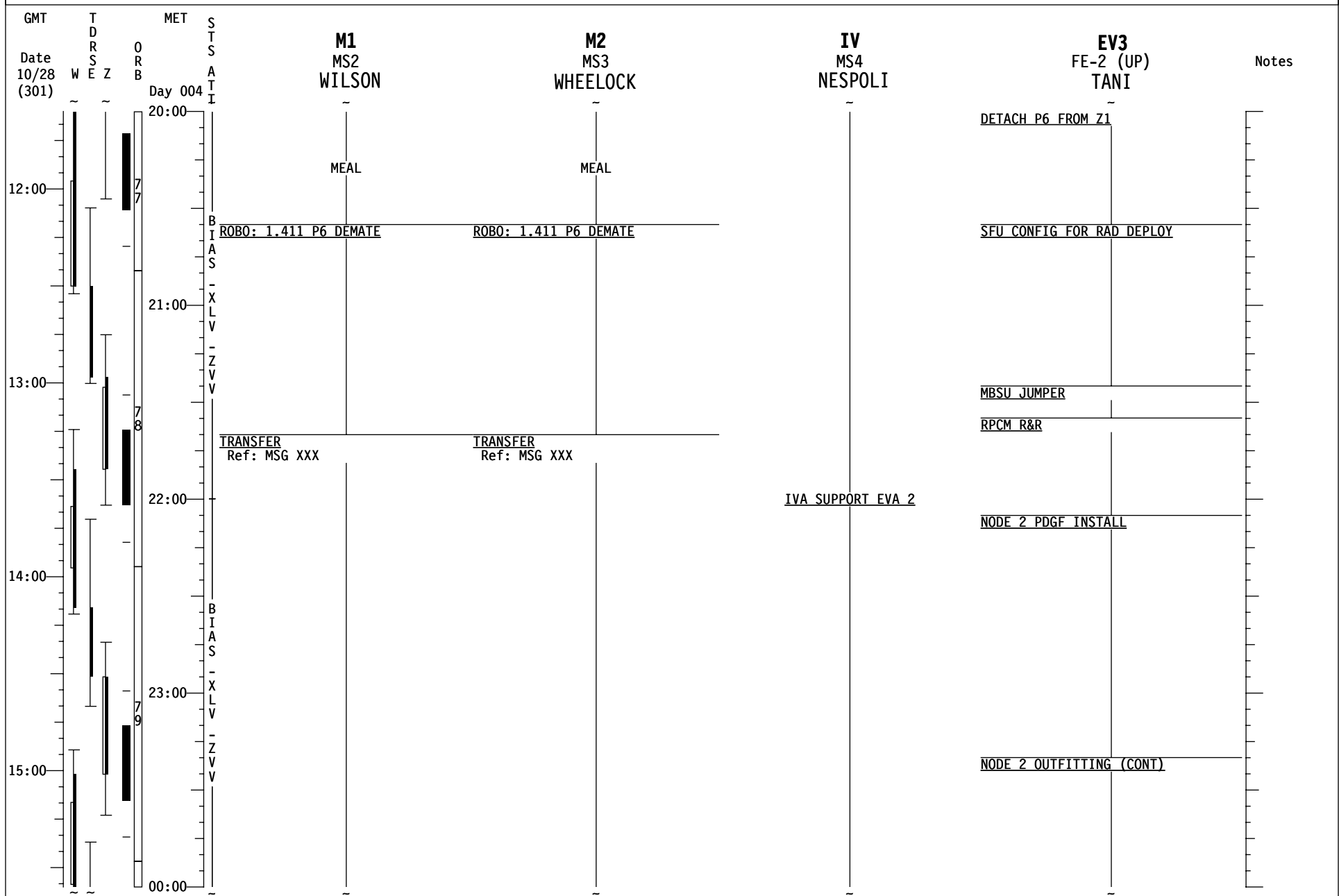
# STS-120 FD06



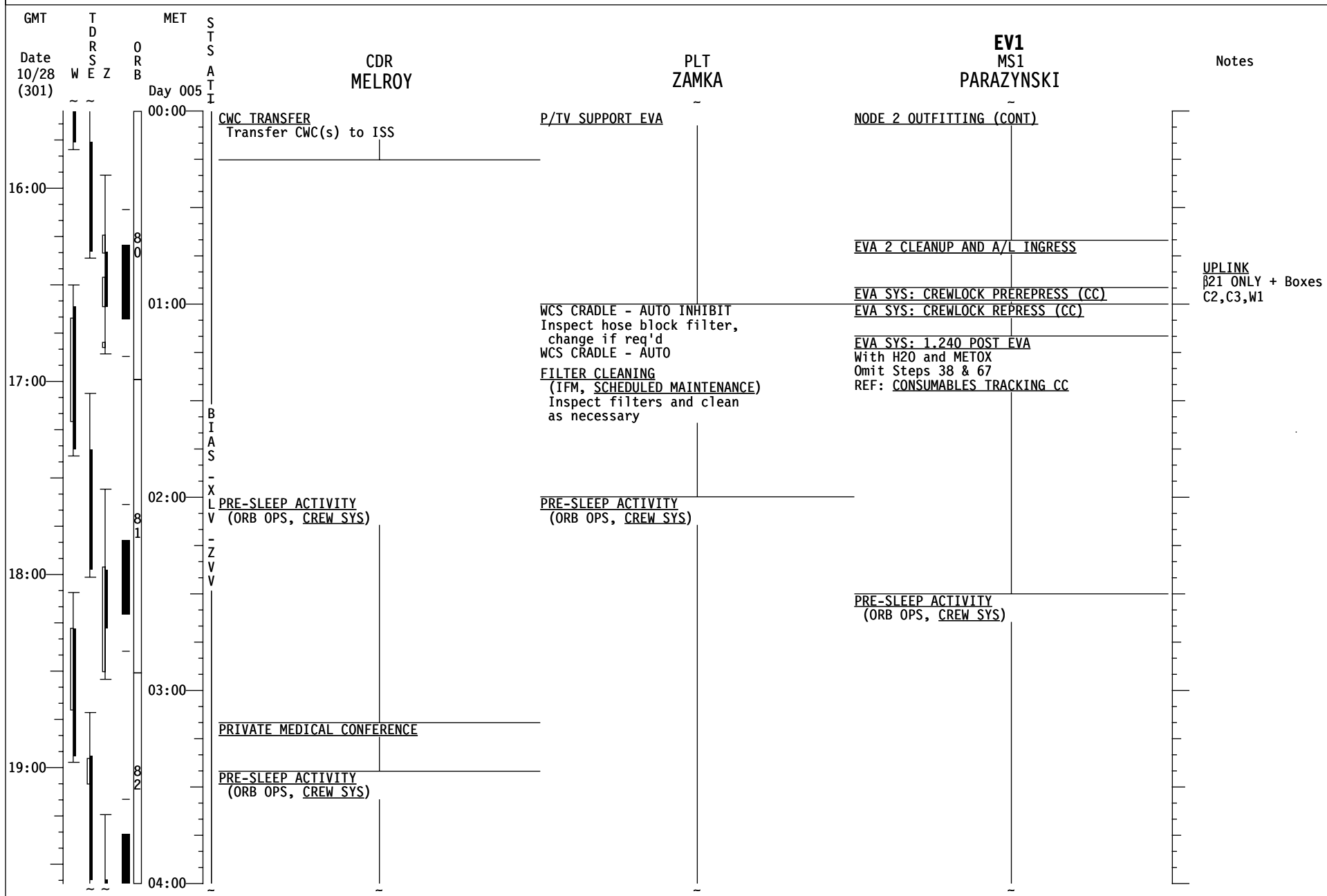
# STS-120 FD06



# STS-120 FD06

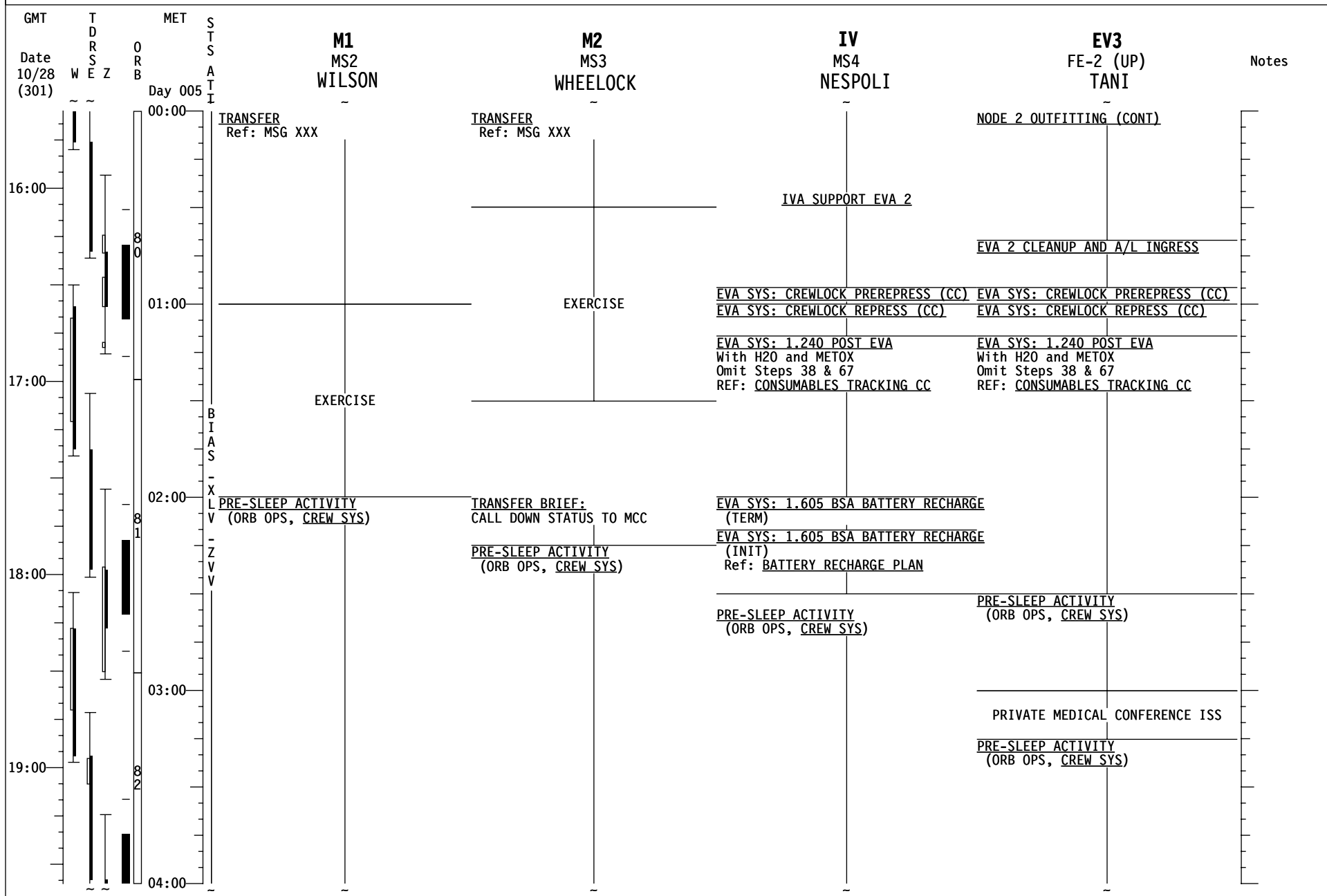


# STS-120 FD06

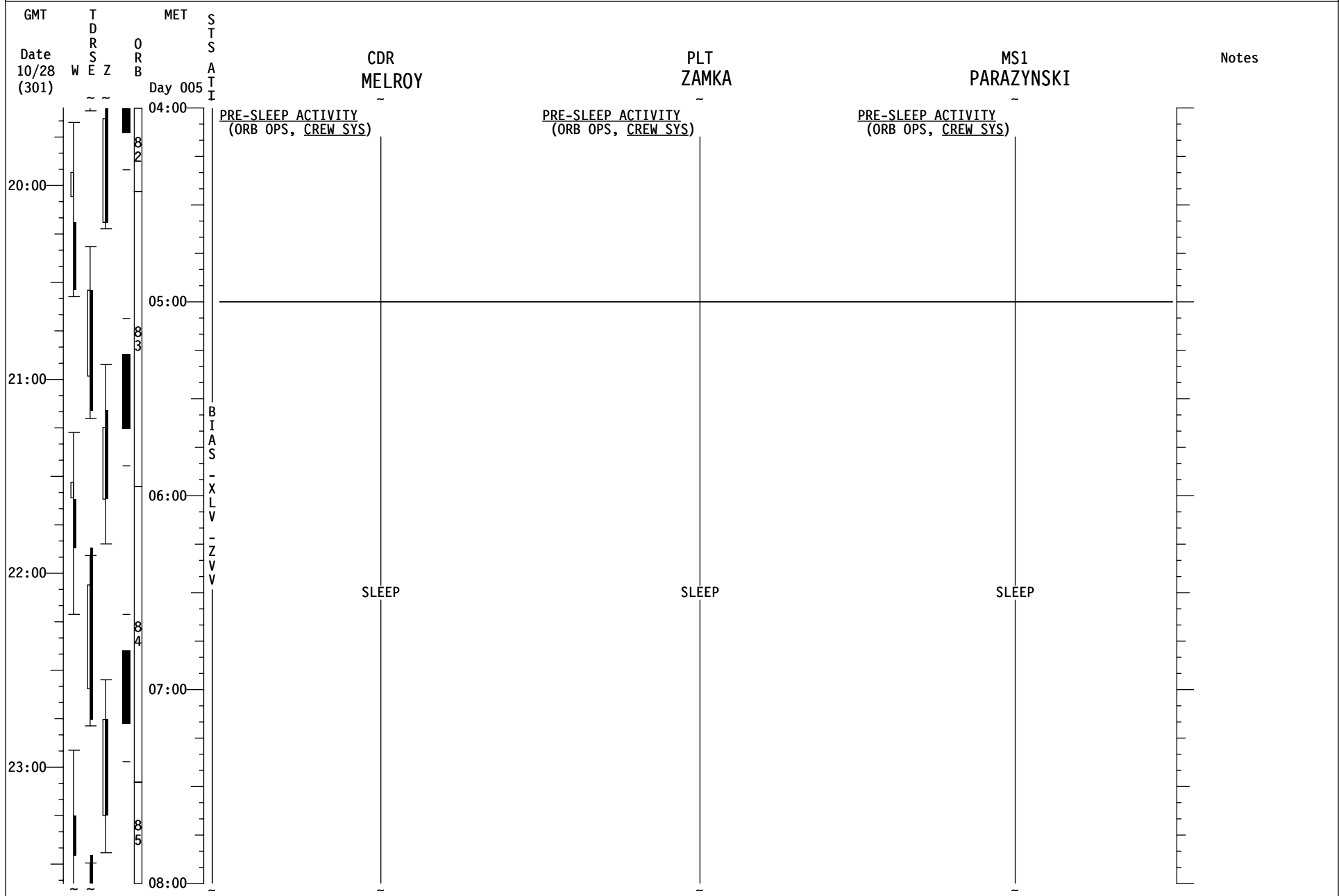




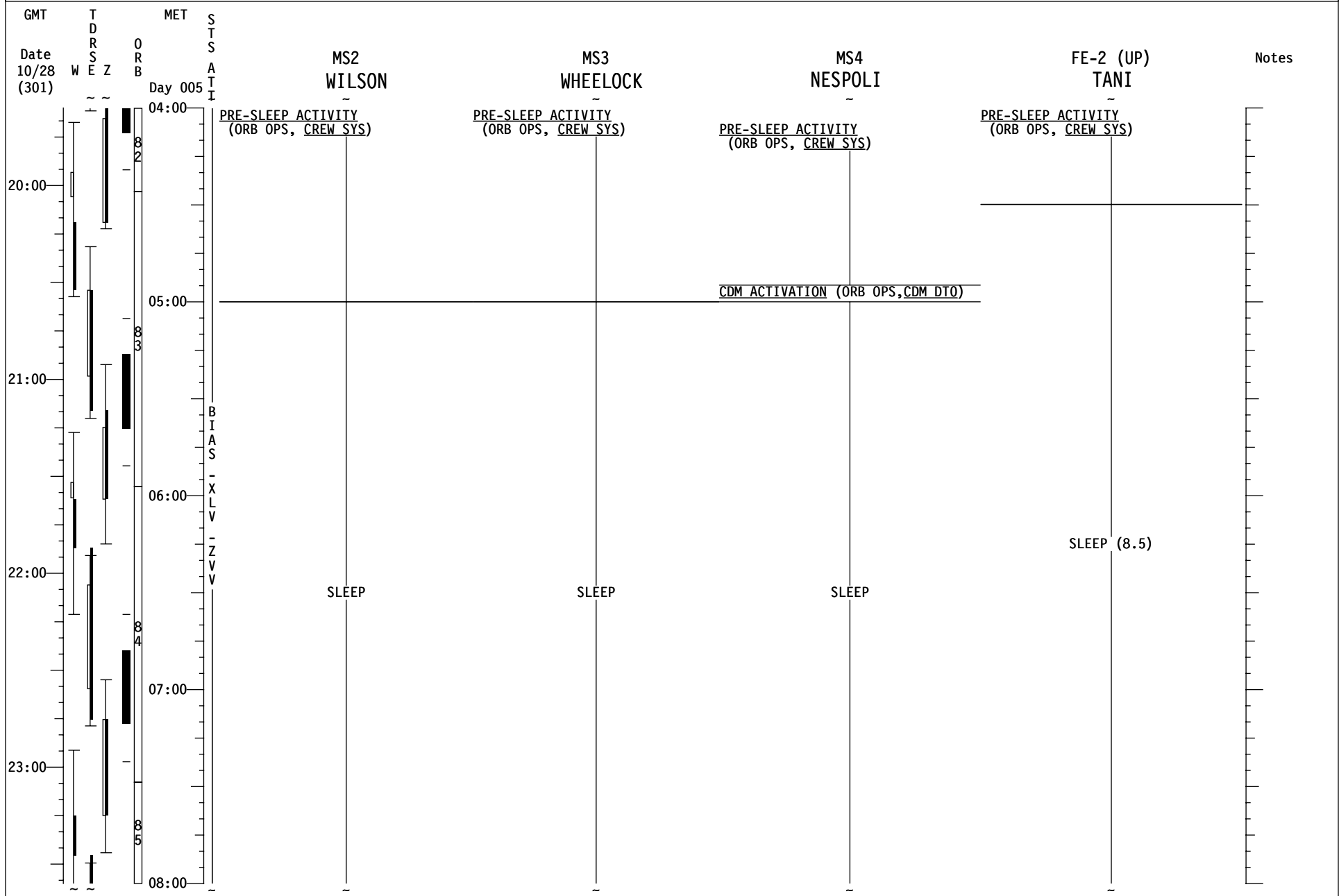
# STS-120 FD06



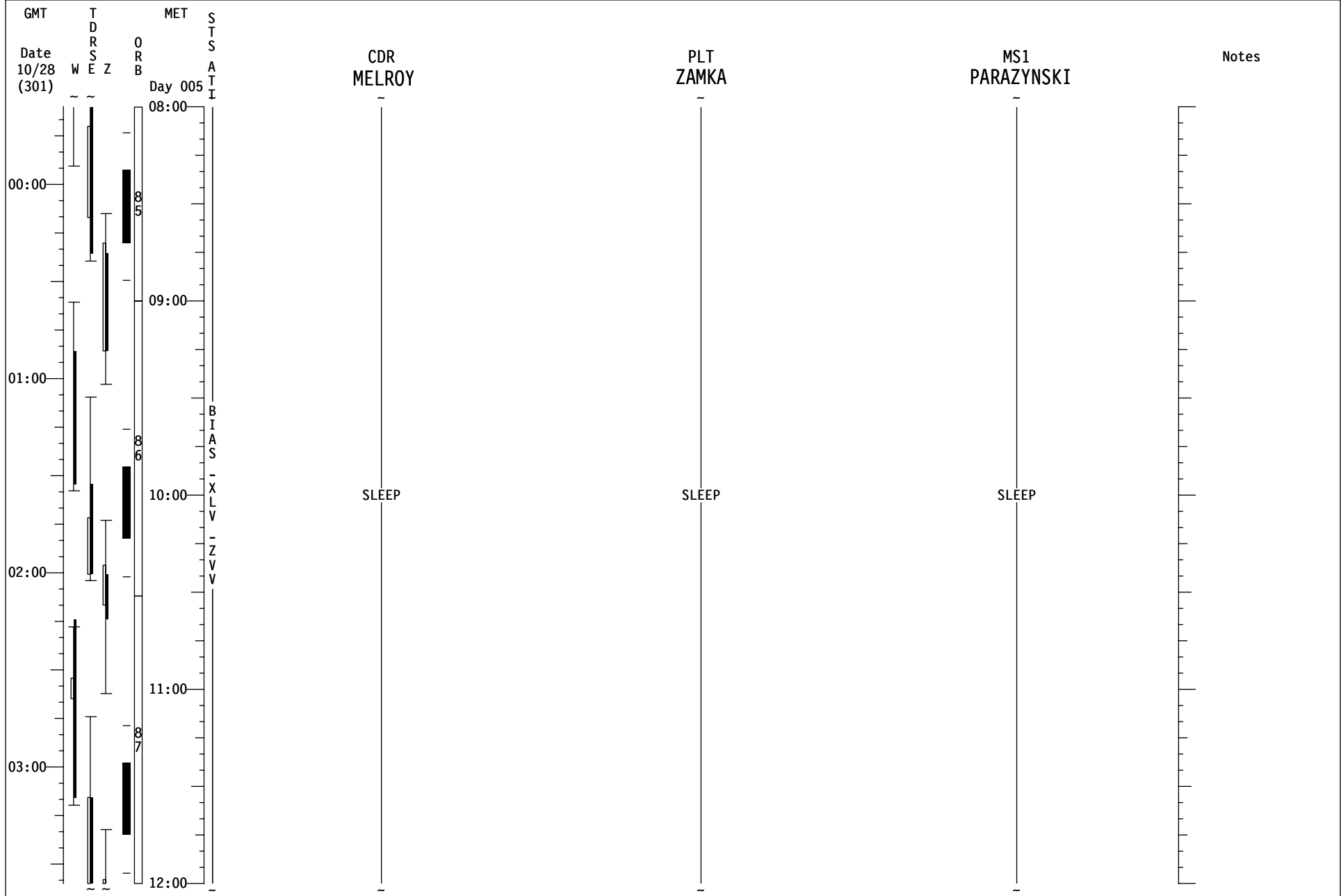
# STS-120 FD06



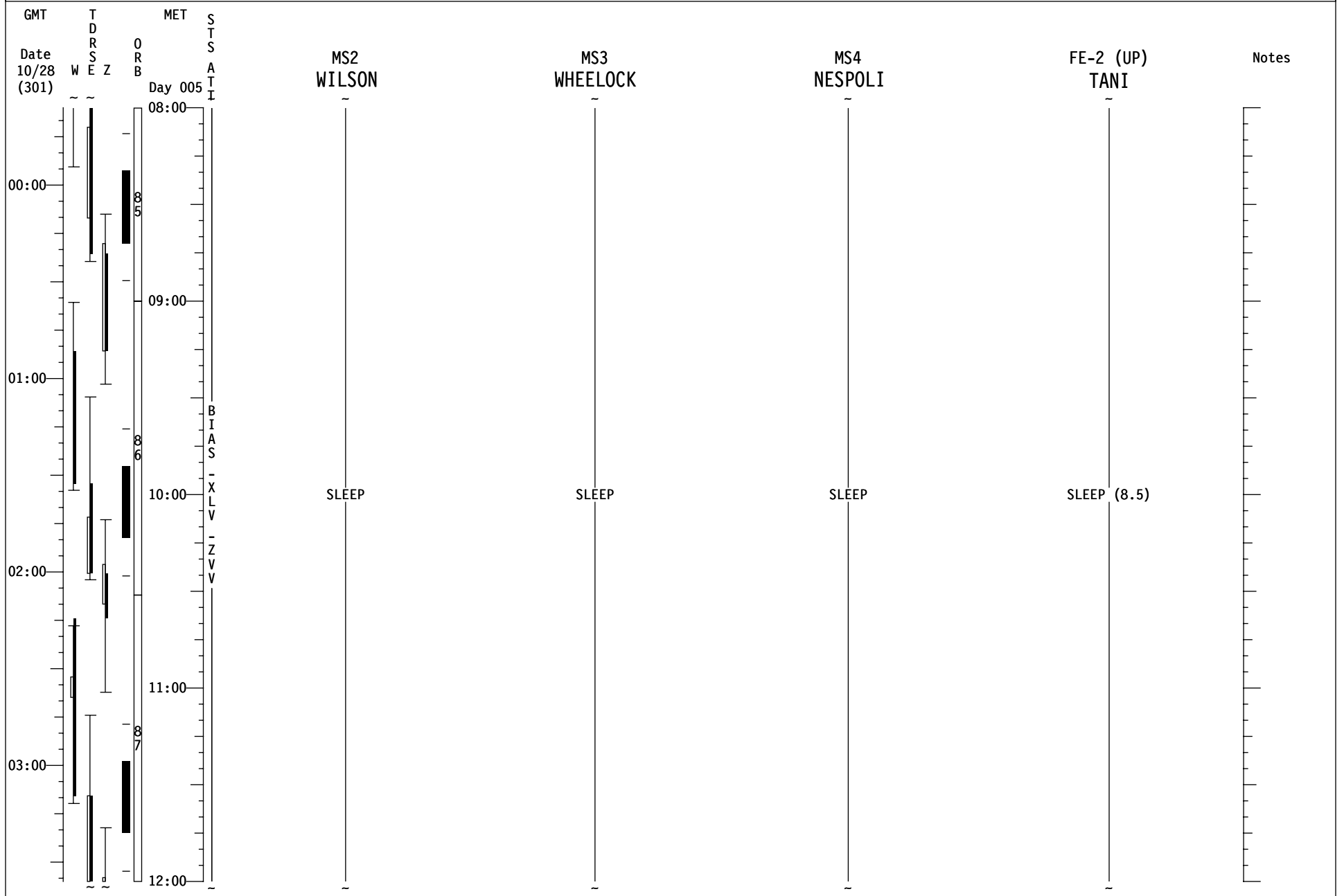
# STS-120 FD06



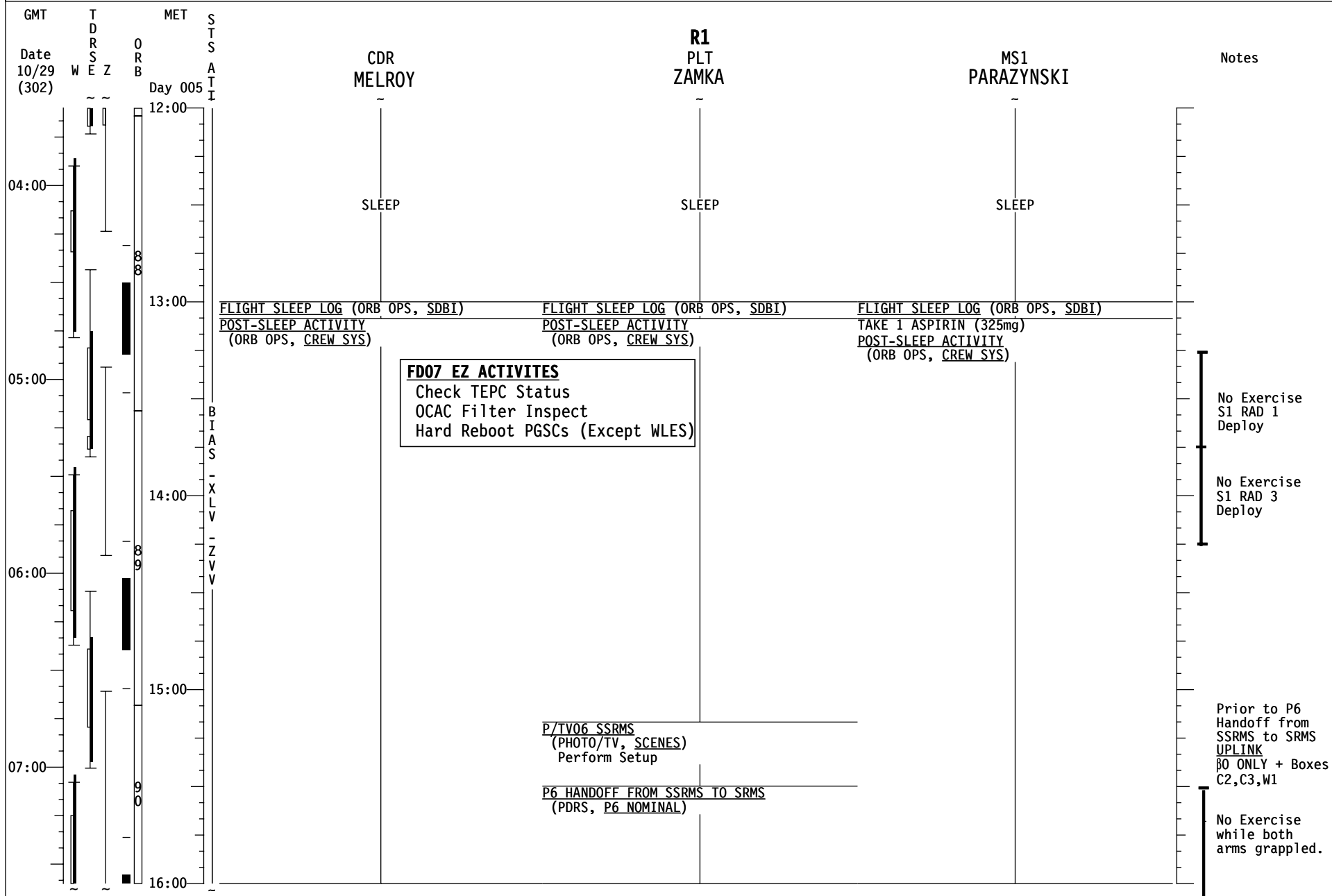
# STS-120 FD06



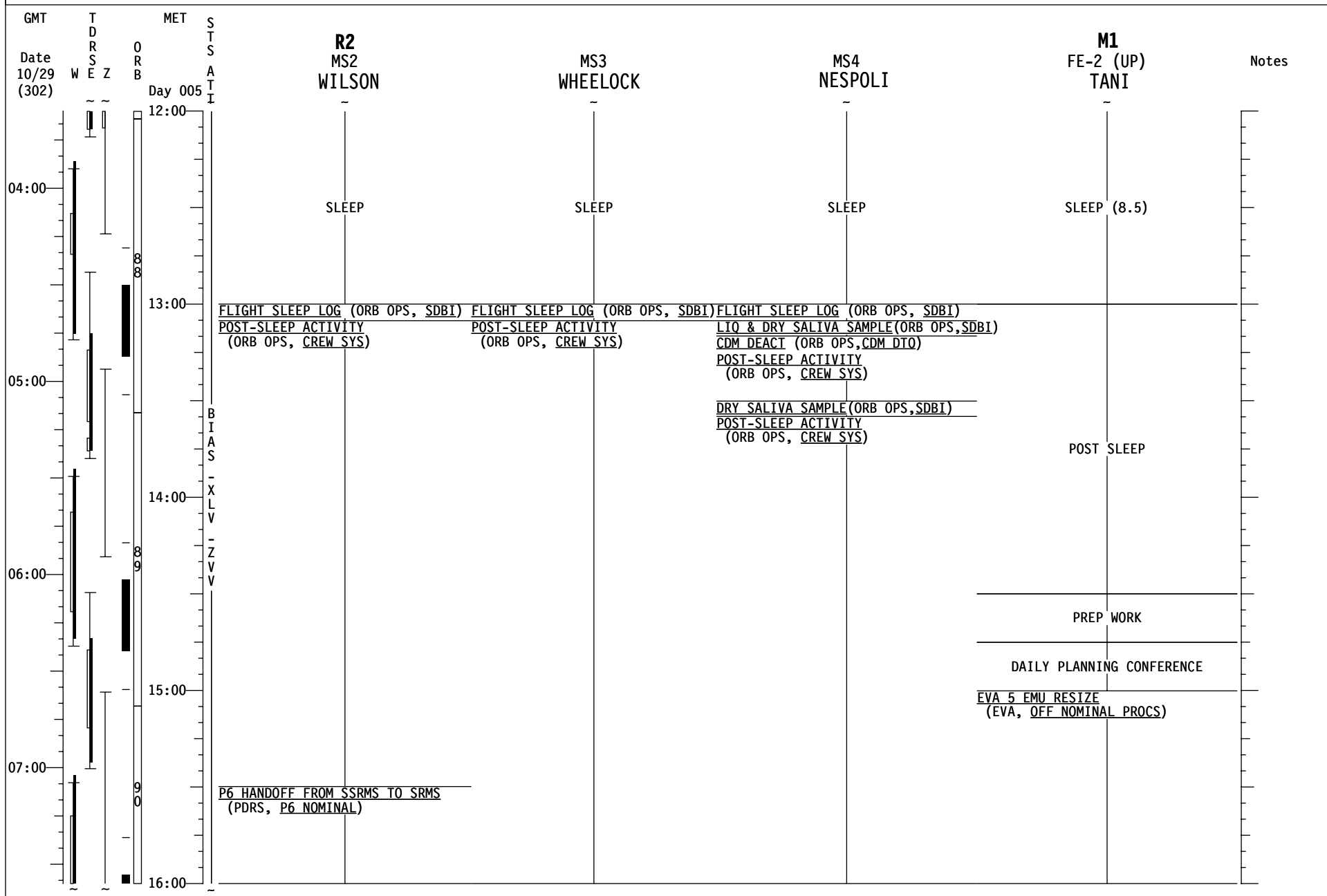
# STS-120 FD06



# STS-120 FD07



# STS-120 FD07



# STS-120 FD07

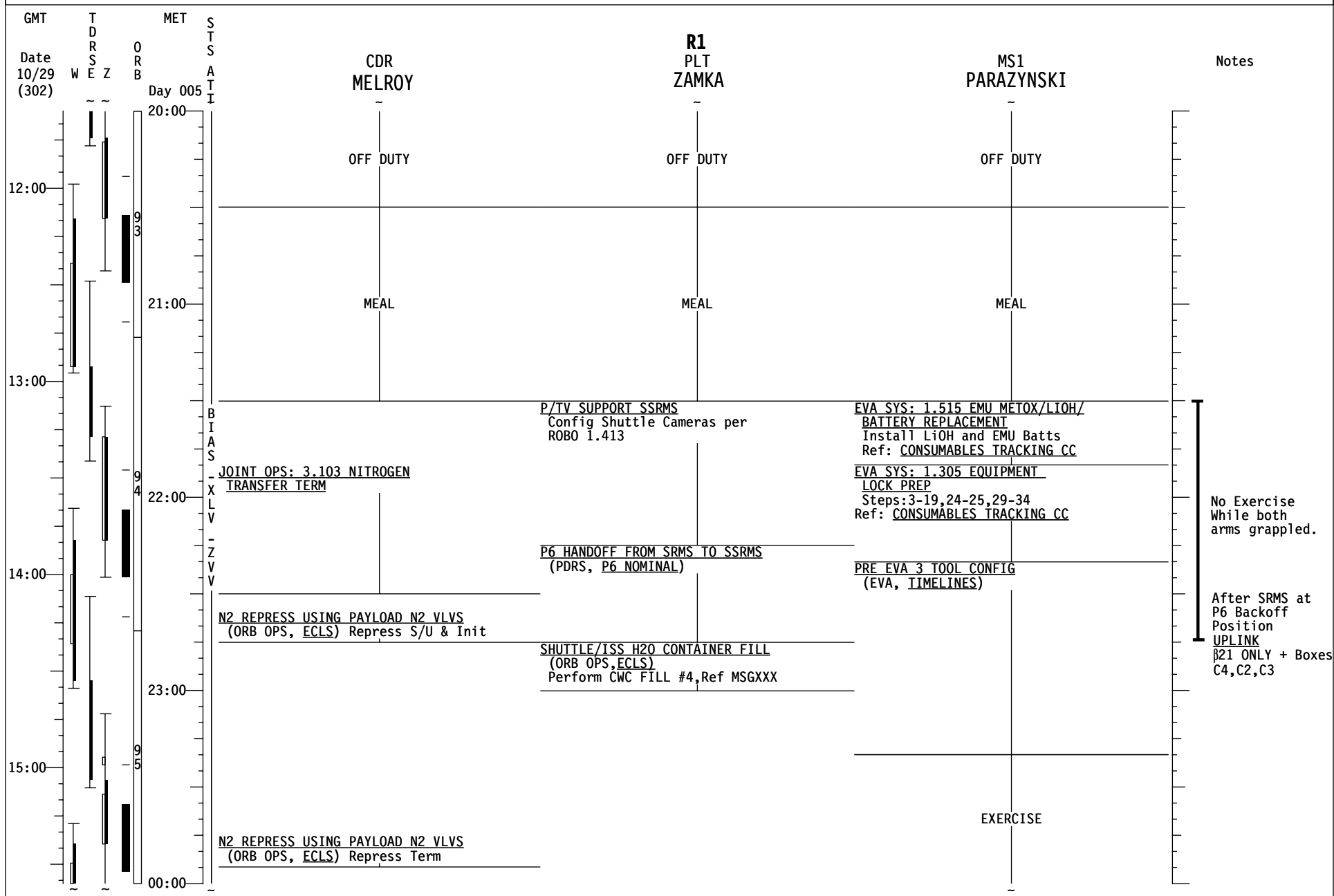
GMT	TDRSEZ	MET	S T S	CDR MELROY	R1 PLT ZAMKA	MS1 PARAZYNSKI	Notes
Date 10/29 (302)	W E Z	Day 005	A T I				
08:00		16:00		<u>SHUTTLE CONDENSATE COLLECTION</u> (ORB OPS, ECLS) Perform CHANGEOUT	<u>P/TV SUPPORT SSRMS</u> Config Shuttle Cameras per ROBO 1.412 & 1.510	<u>EVA SYS: 1.605 BSA BATTERY RECHARGE</u> (TERM) <u>EVA SYS: 1.605 BSA BATTERY RECHARGE</u> (INIT) Ref: <u>BATTERY RECHARGE PLAN</u>	No Exercise while both arms grappled. <u>UPLINK</u> BO ONLY + Boxes C2,C3,W1,M1
				<u>PRLA CLOSE</u> (ORB OPS, PRLA)		<u>EMU SWAP FOR EVA 3</u> (EVA, AIRLOCK CONFIG)	
09:00		17:00					<u>UPLINK</u> BO ONLY + Boxes C2,C3,W1,M2
10:00		18:00		OFF DUTY	OFF DUTY	OFF DUTY	
11:00		19:00					
20:00							<u>UPLINK</u> BO ONLY + Boxes C4,C2,C3



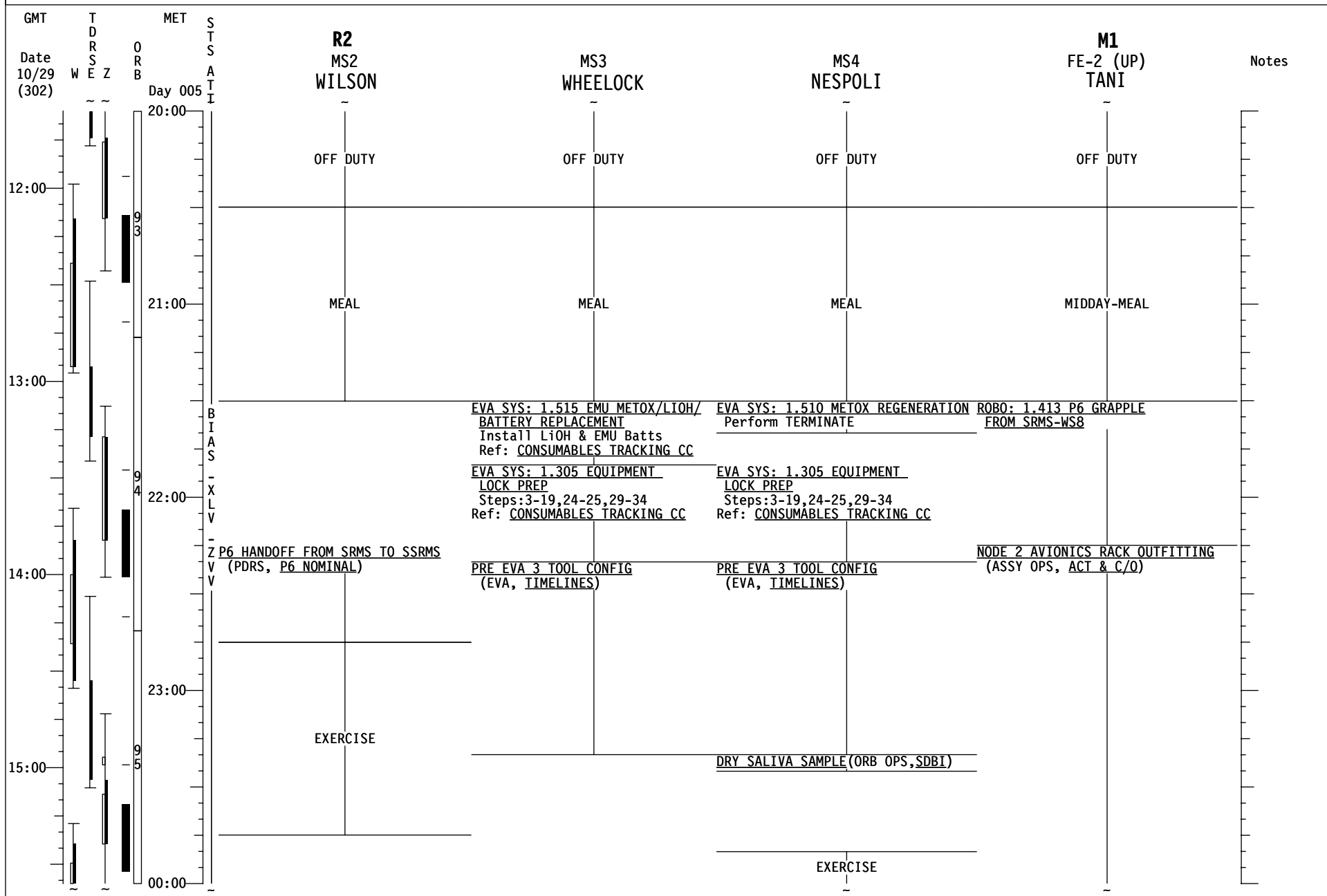
# STS-120 FD07

GMT	TDRS WSEZ	MET ORB Day 005	STS ATTI	R2 MS2 WILSON	MS3 WHEELOCK	MS4 NESPOLI	M1 FE-2 (UP) TANI	Notes
16:00				L17 Check MCIU filter screen		CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO)	ROBO: 1.412 UNGRAPPLE AT HANDOFF -WS4	
08:00					EMU SWAP FOR EVA 3 (EVA, AIRLOCK CONFIG)		ROBO: 1.510 MNVR TO MT TRANSLATE STOW -WS4	
						HAM RADIO CONTACT Ref MSGXXX 8:23-8:33 GMT		
09:00							ADAPTATION	
							PRIVATE MEDICAL CONFERENCE ISS	
							ADAPTATION	
18:00				OFF DUTY	OFF DUTY	OFF DUTY		
10:00								
19:00						DRY SALIVA SAMPLE (ORB OPS, SDBI)	OFF DUTY	
11:00						OFF DUTY		
20:00								

# STS-120 FD07



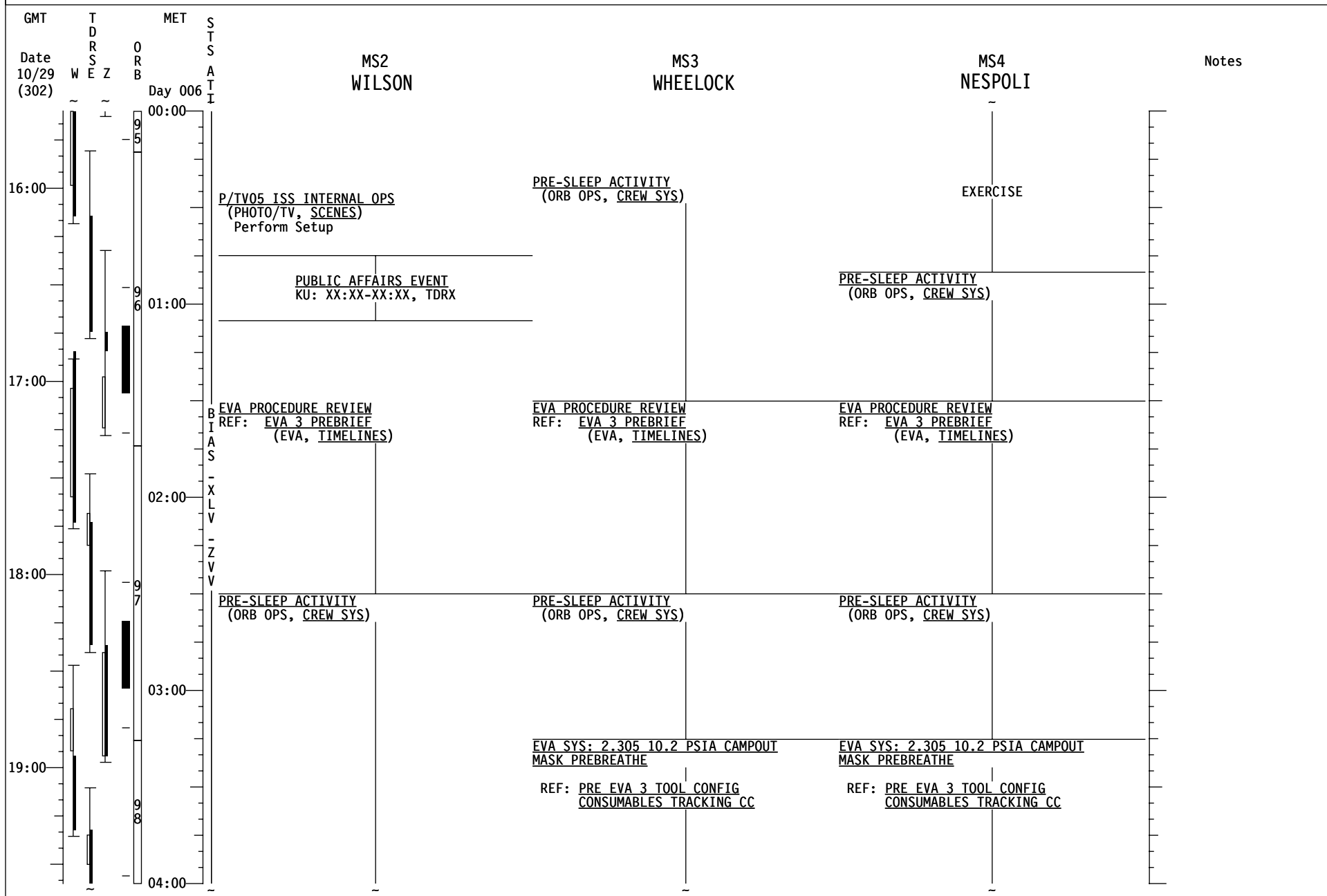
# STS-120 FD07



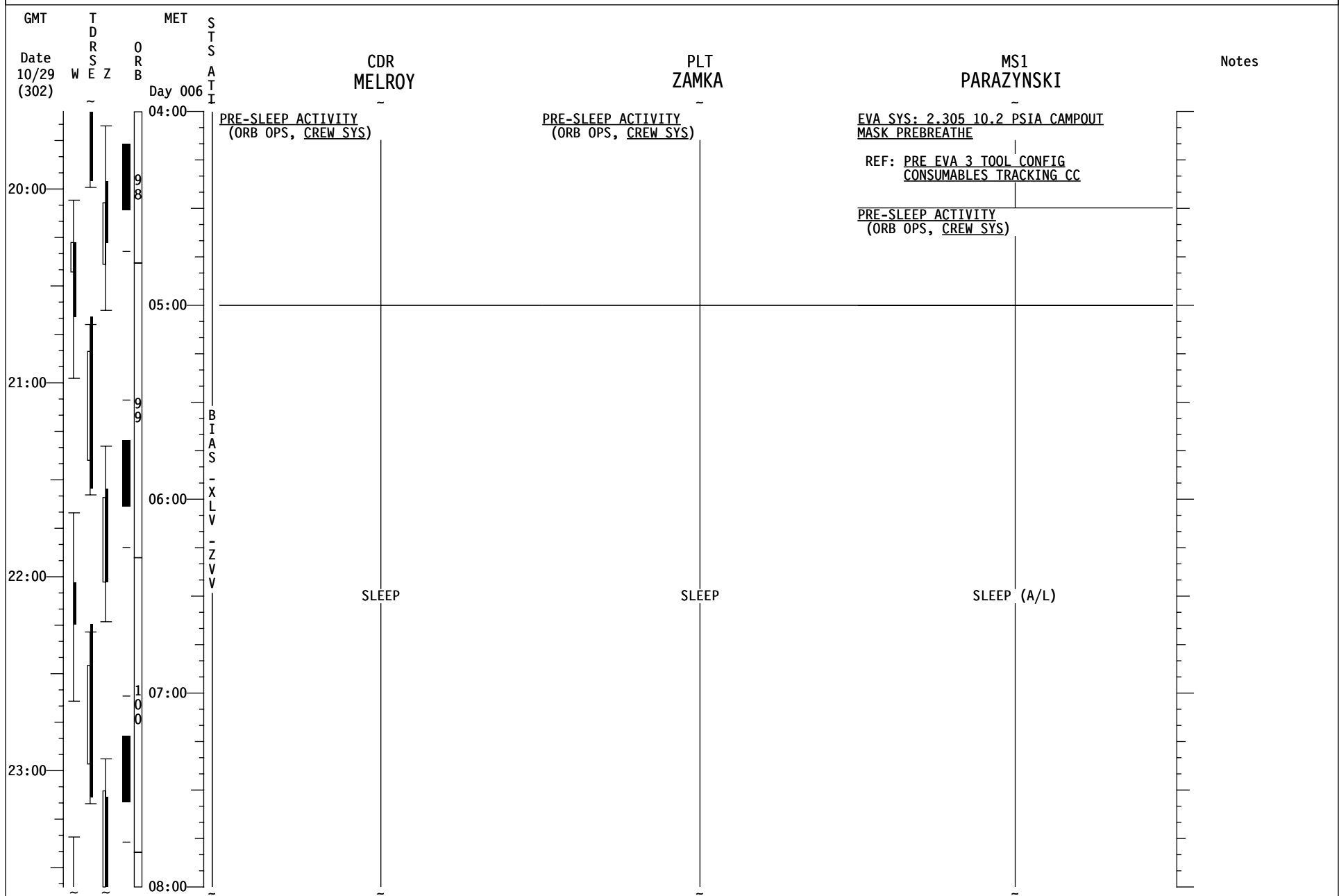
# STS-120 FD07

GMT	TDRSEZ	MET	S T S A T I	CDR MELROY	PLT ZAMKA	MS1 PARAZYNSKI	Notes
Date 10/29 (302)	W E Z	Day 006	ORB				
16:00		00:00			<u>SHUTTLE/ISS H2O CONTAINER FILL</u> (ORB OPS, ECLS) Perform FILL TERMINATION	EXERCISE	
					<u>CWC TRANSFER</u> Transfer CWC(s) to ISS	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
		01:00		<u>PUBLIC AFFAIRS EVENT</u> KU: XX:XX-XX:XX, TDRX	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
17:00				<u>EVA PROCEDURE REVIEW</u> REF: EVA 3 PREBRIEF (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> REF: EVA 3 PREBRIEF (EVA, TIMELINES)	<u>EVA PROCEDURE REVIEW</u> REF: EVA 3 PREBRIEF (EVA, TIMELINES)	
		02:00					
18:00				<u>ILLUMINATOR OPS (CUE CARD)</u> ILLUMINATORS ON - A,D <u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS) <u>PRIVATE MEDICAL CONFERENCE</u>	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
		03:00		<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)			
19:00						<u>EVA SYS: 2.305 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u>  REF: <u>PRE EVA 3 TOOL CONFIG</u> <u>CONSUMABLES TRACKING CC</u>	
		04:00					

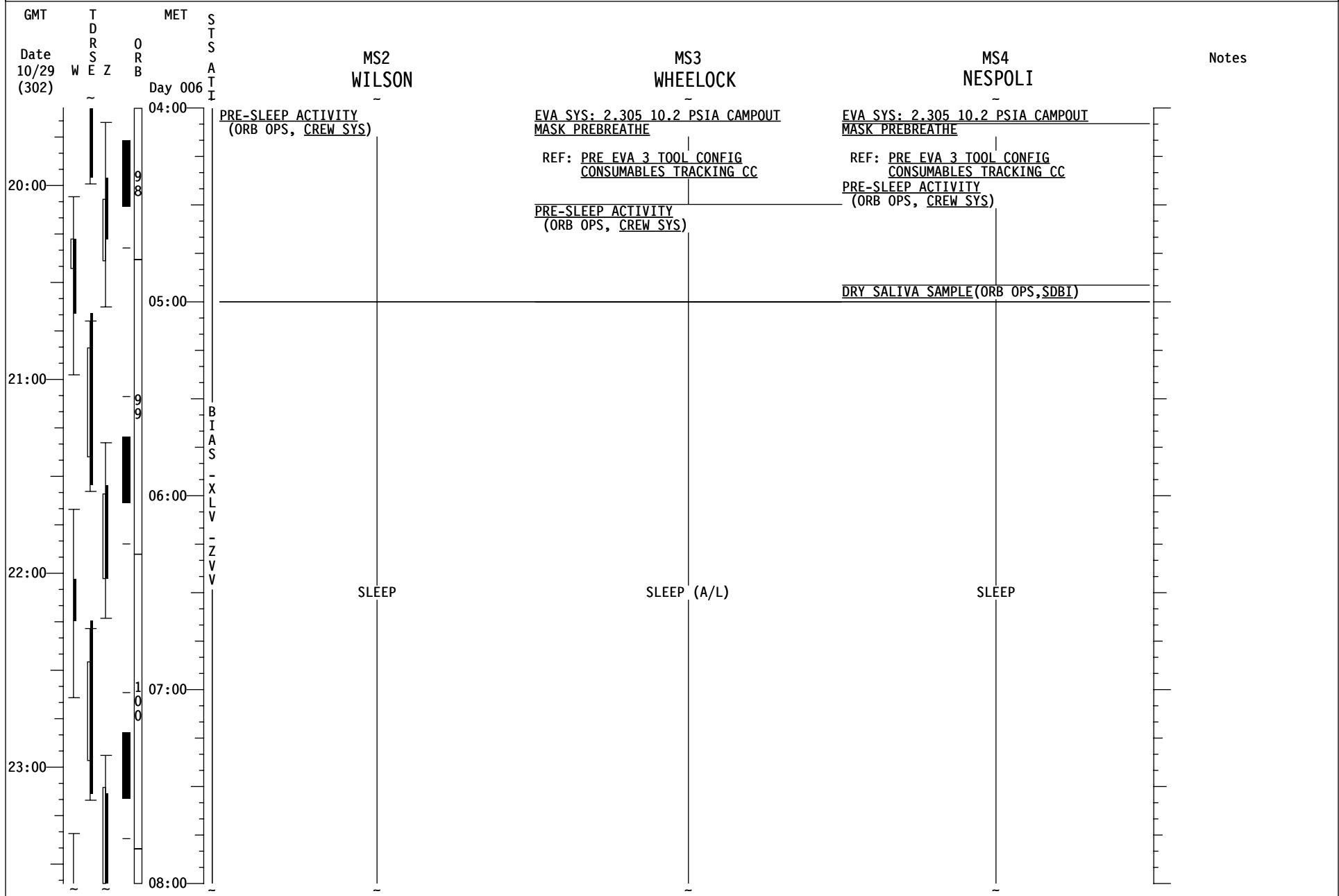
# STS-120 FD07



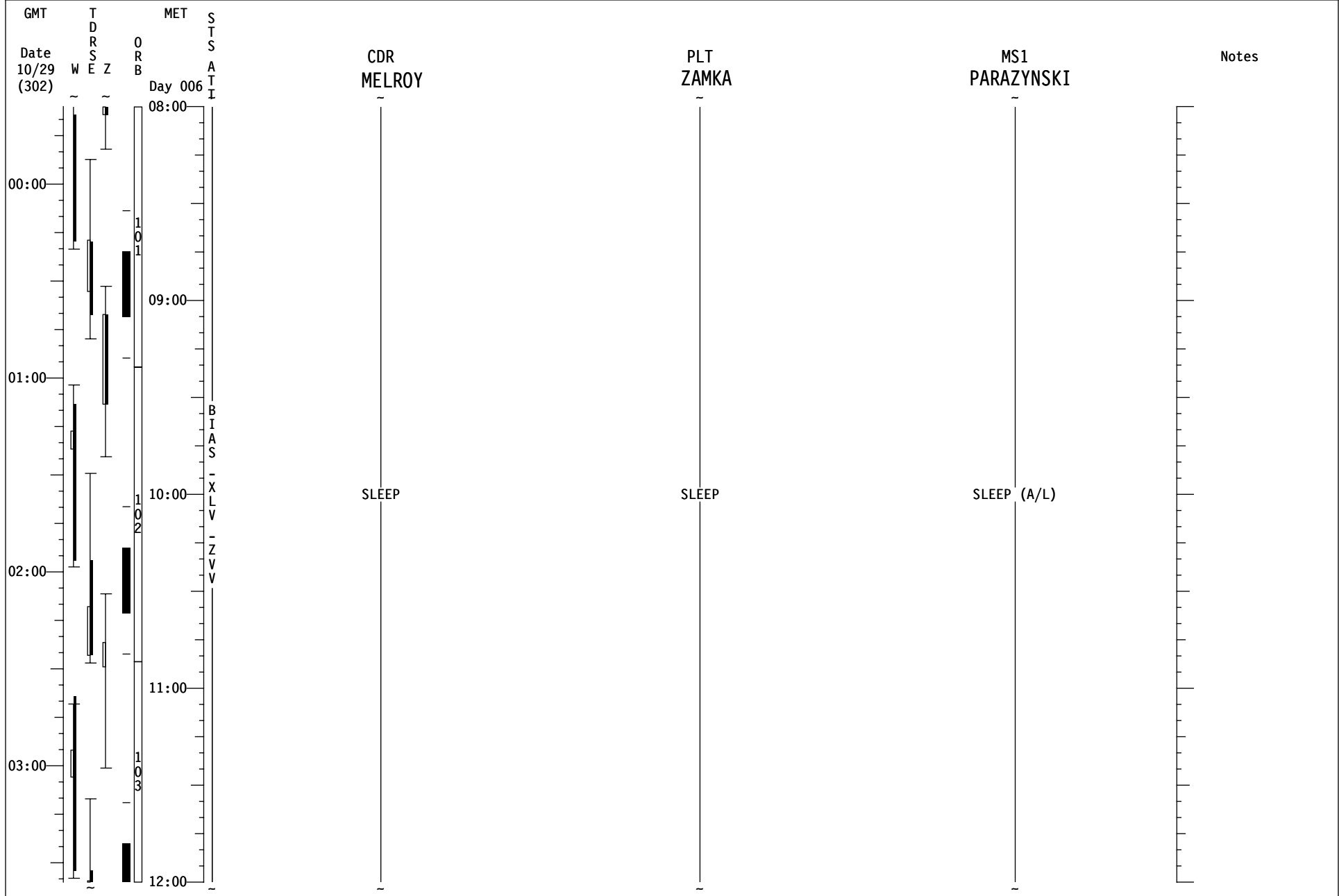
# STS-120 FD07



# STS-120 FD07

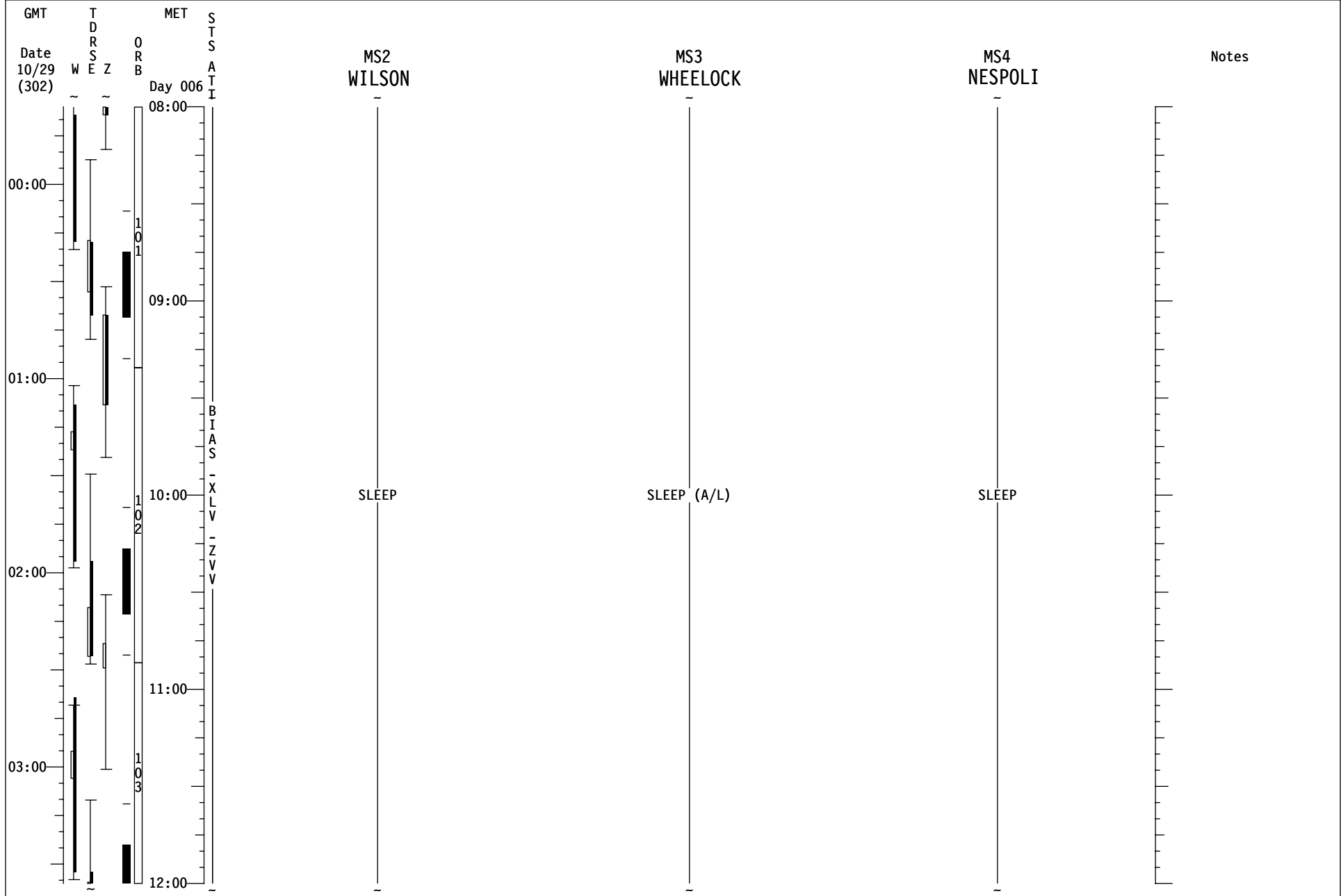


# STS-120 FD07

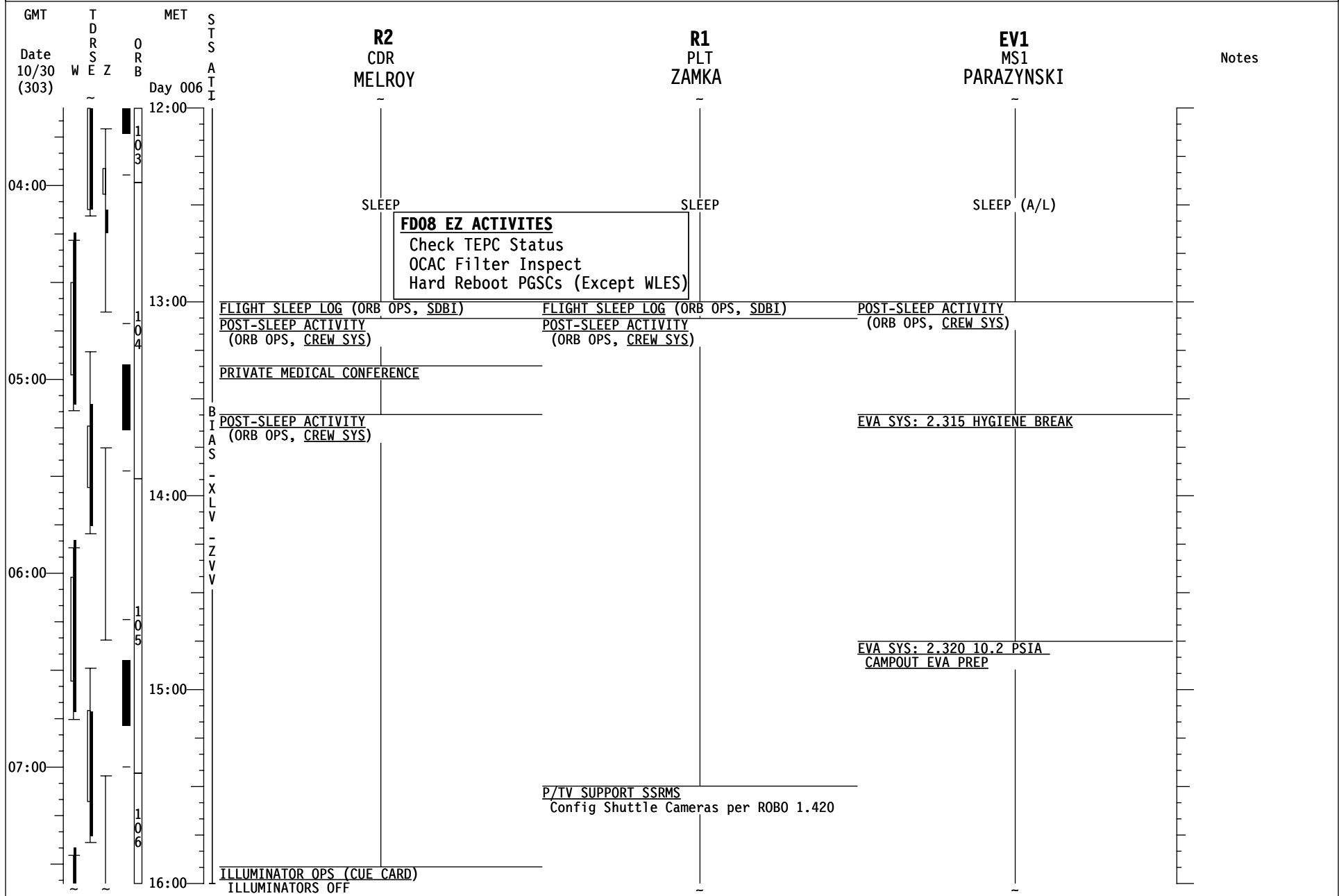




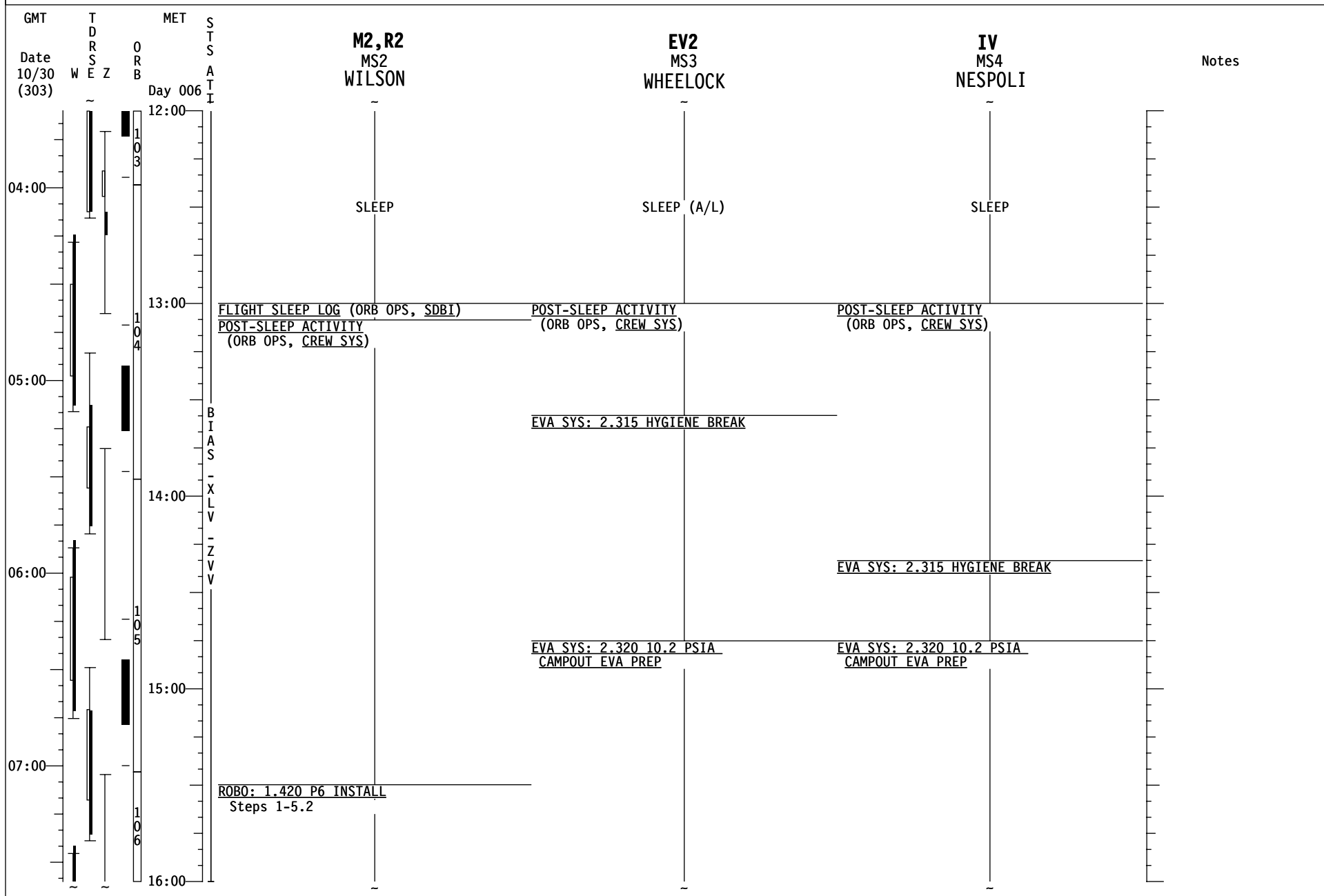
# STS-120 FD07



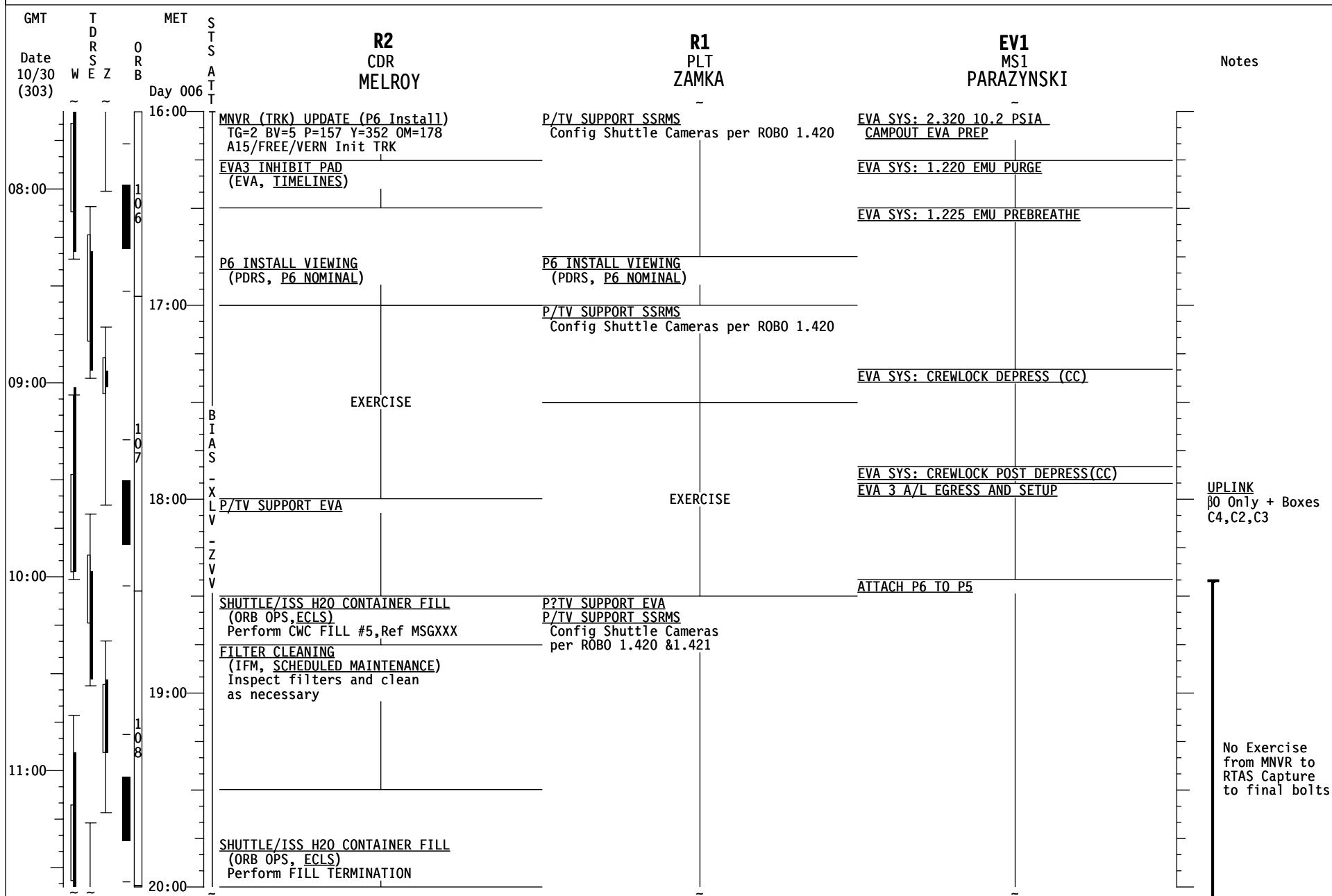
# STS-120 FD08



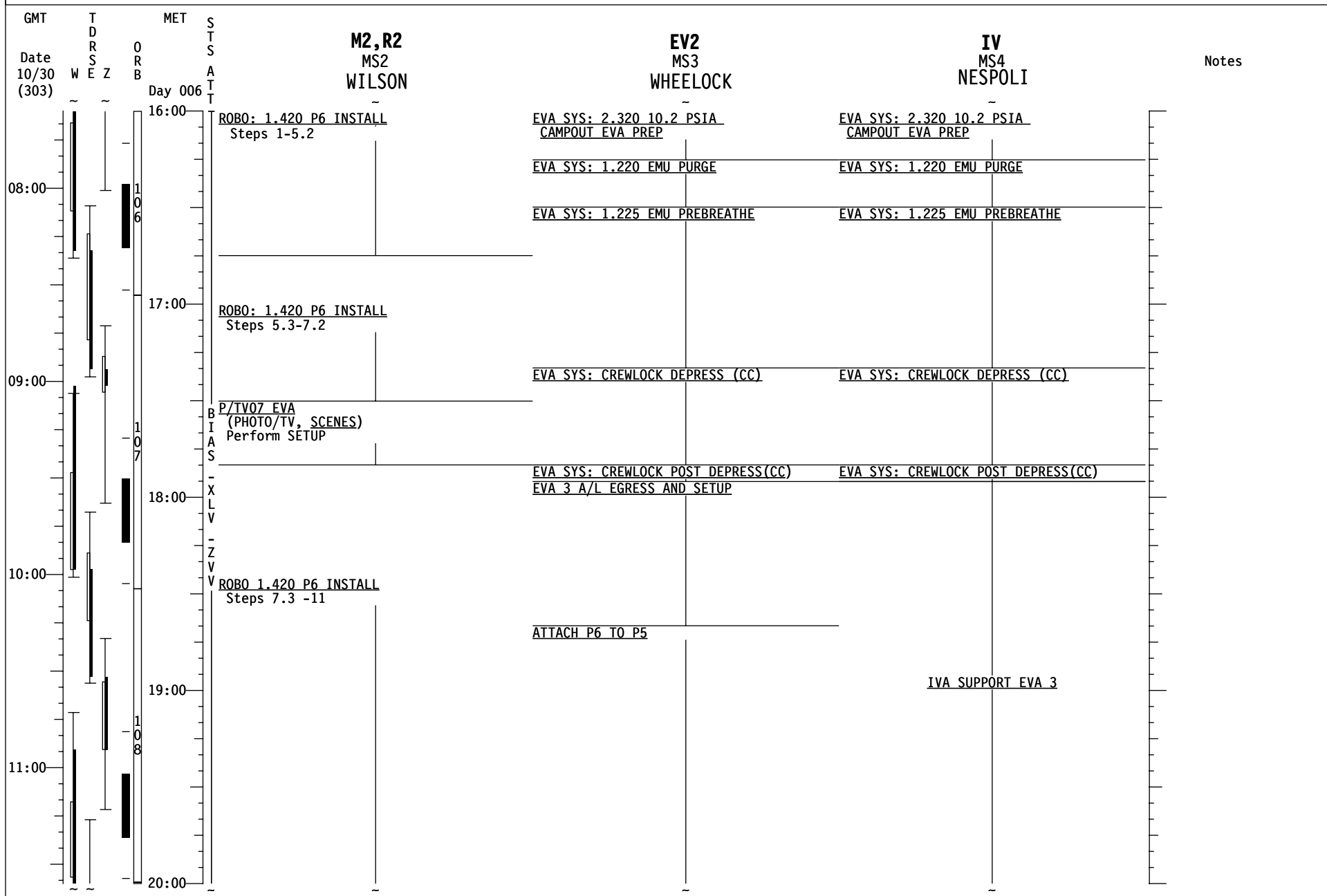
# STS-120 FD08



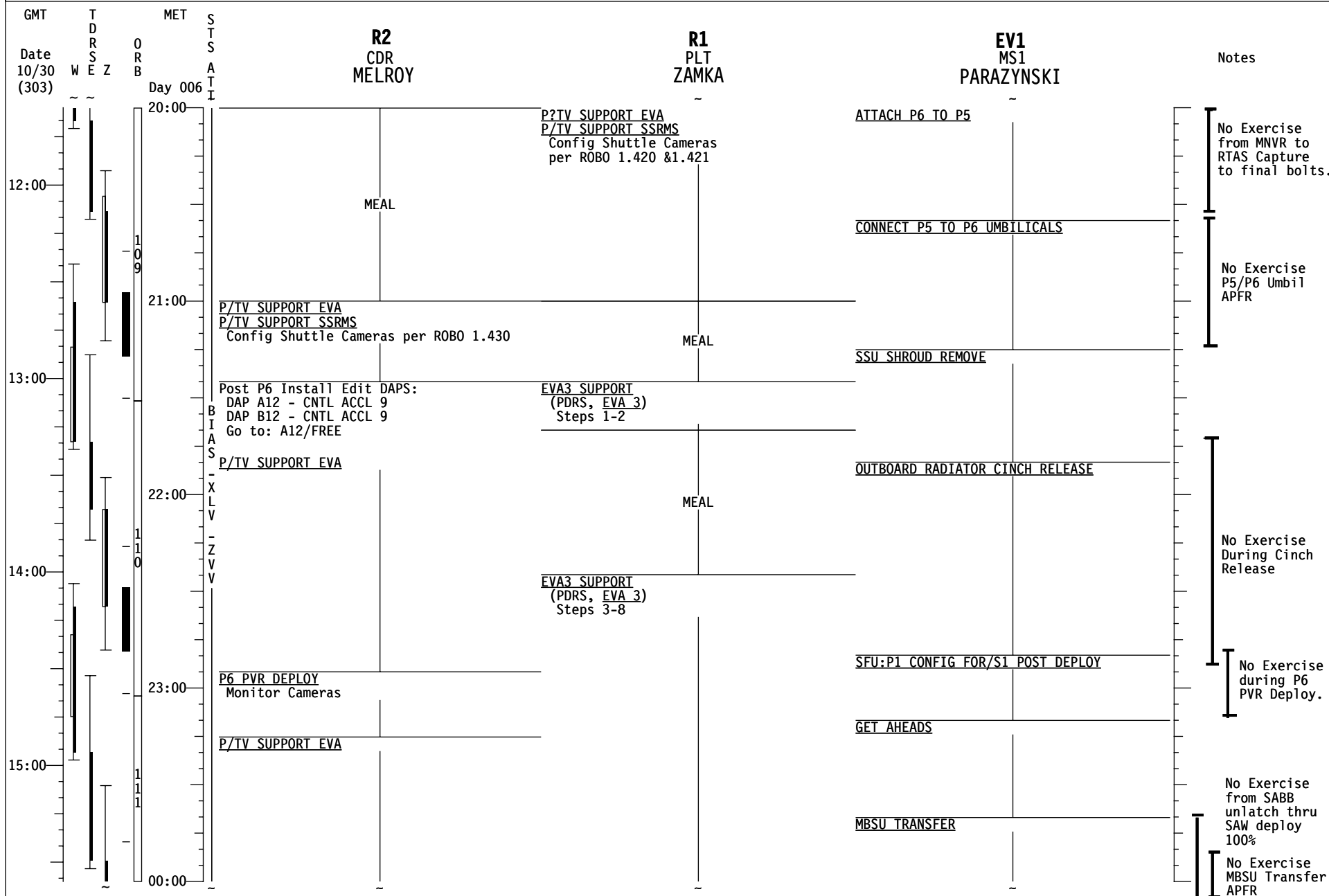
# STS-120 FD08



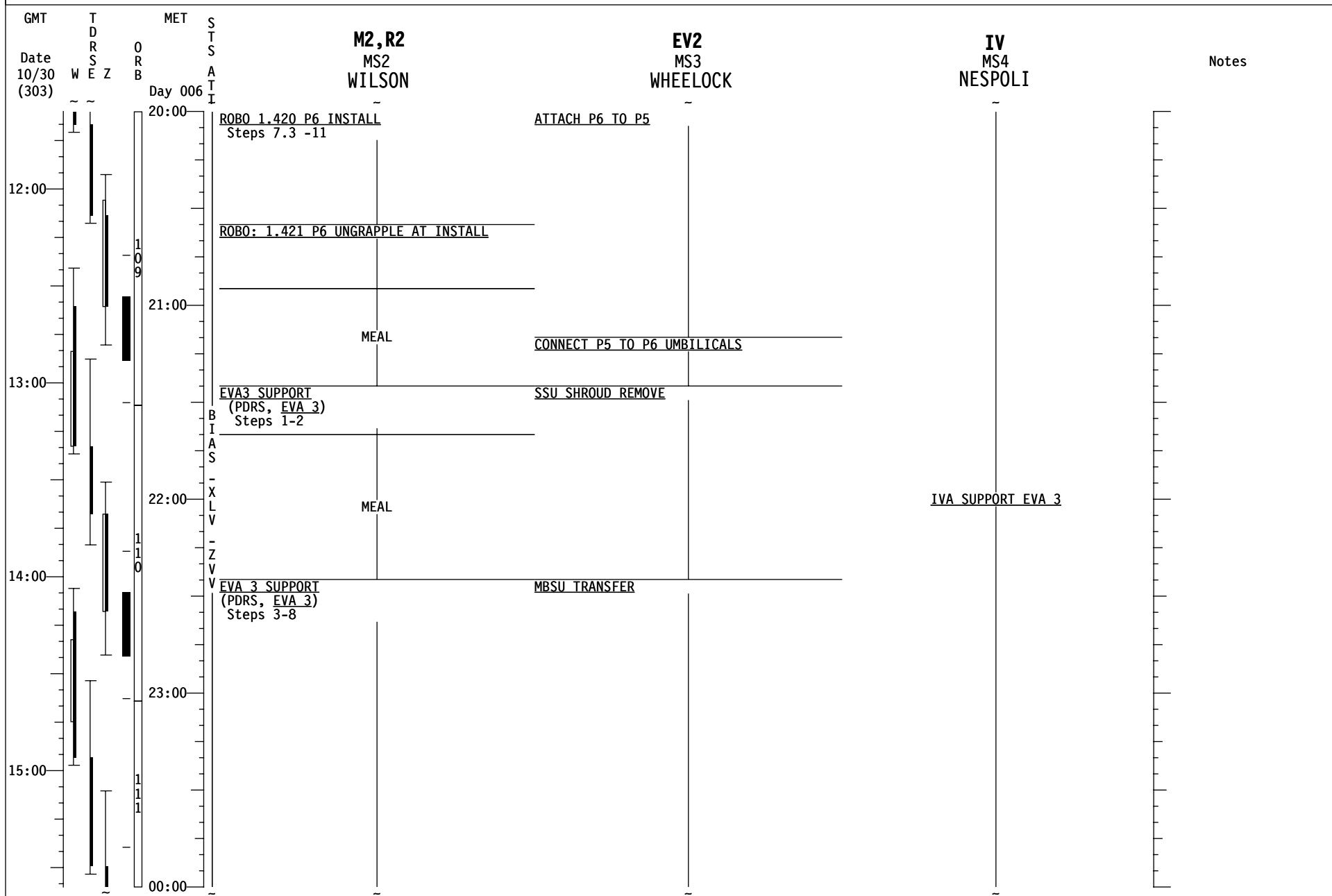
# STS-120 FD08



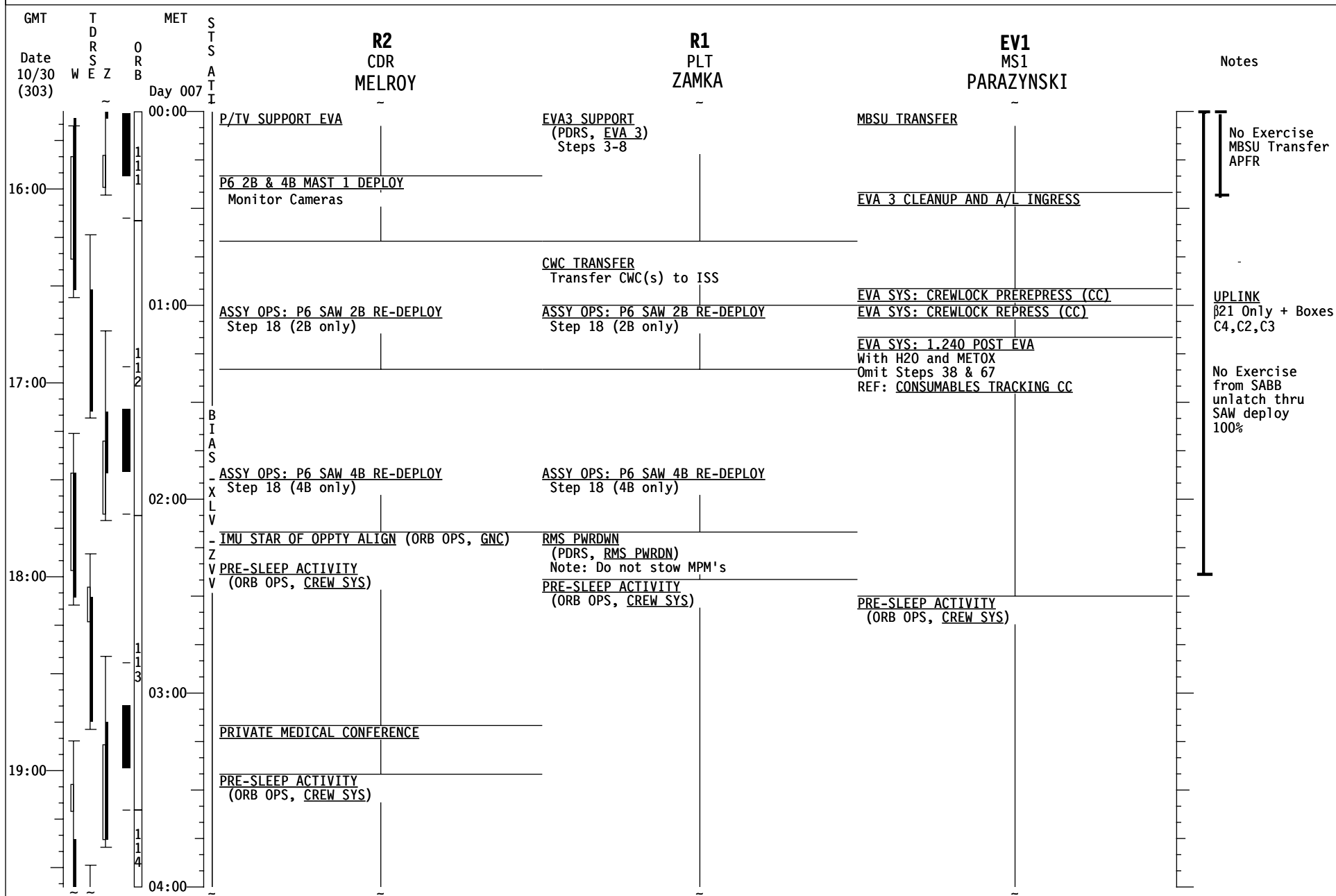
# STS-120 FD08



# STS-120 FD08

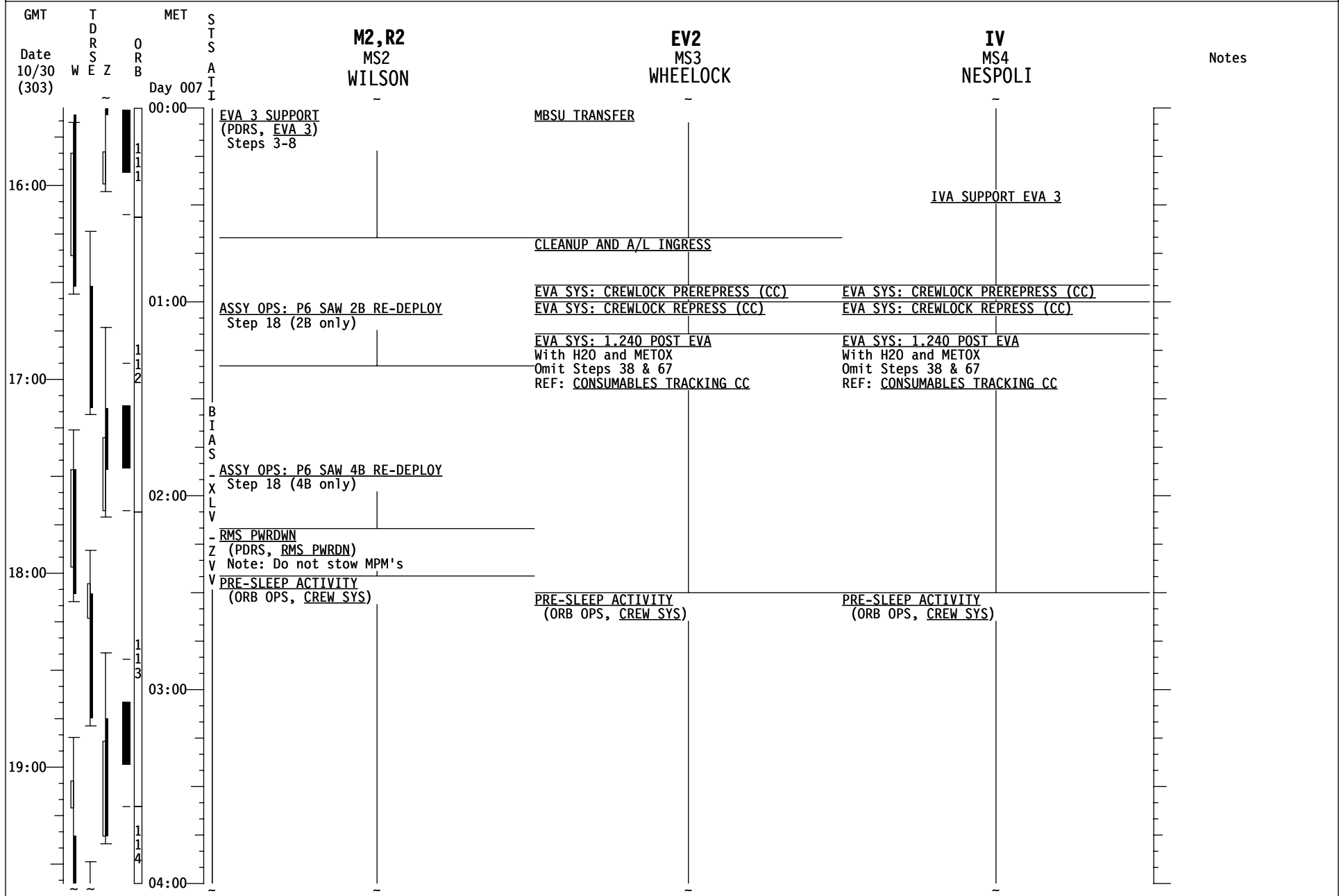


# STS-120 FD08

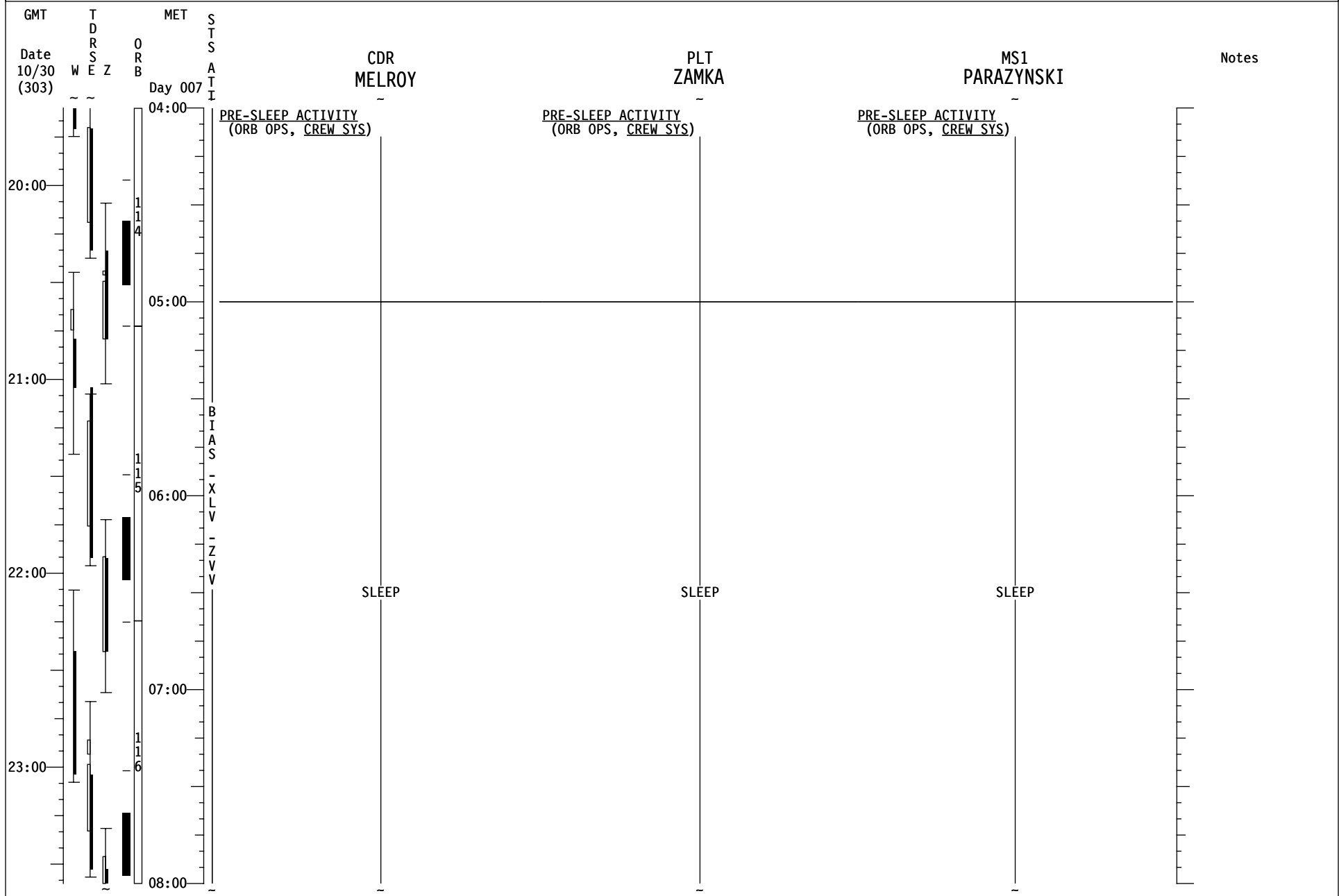




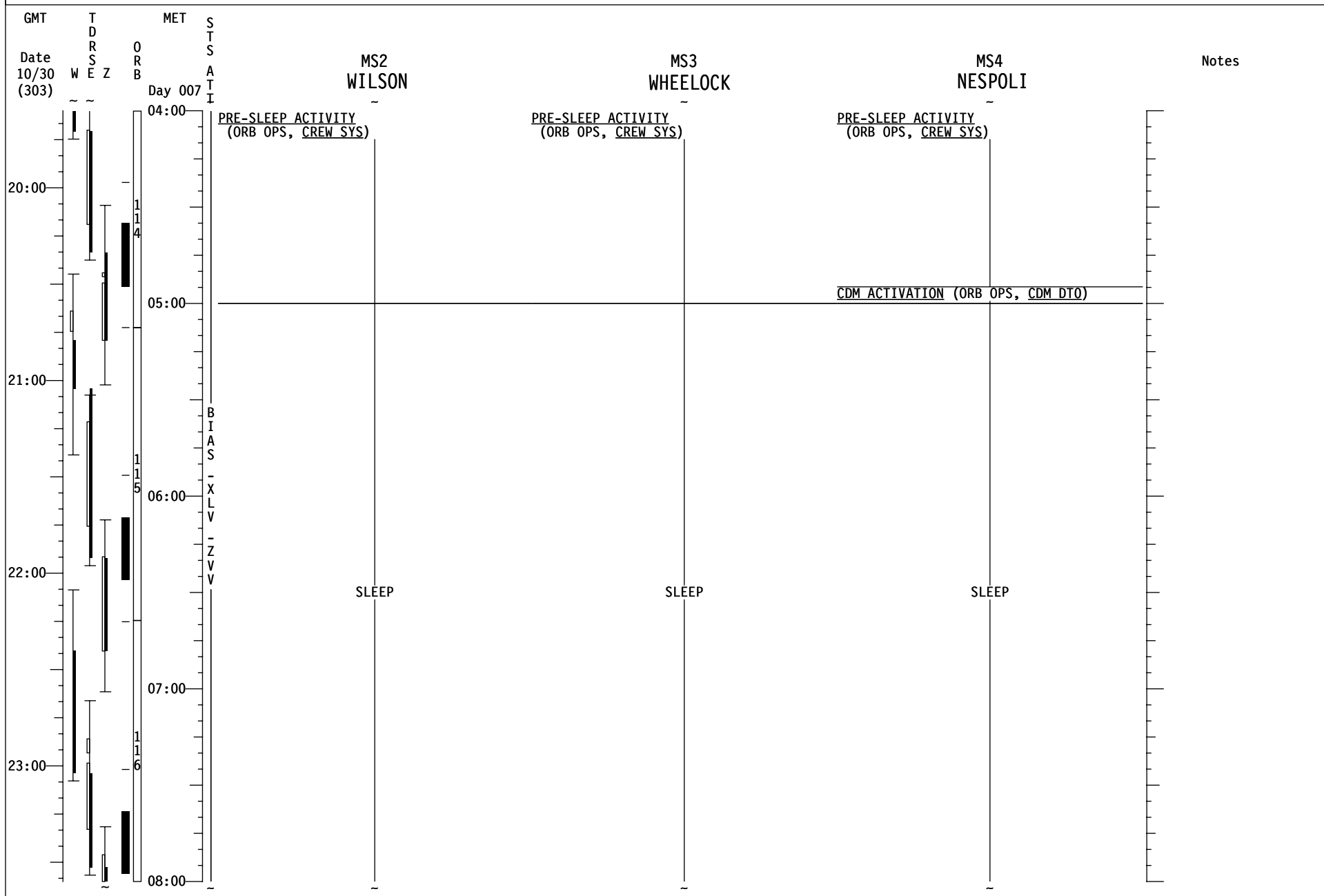
# STS-120 FD08



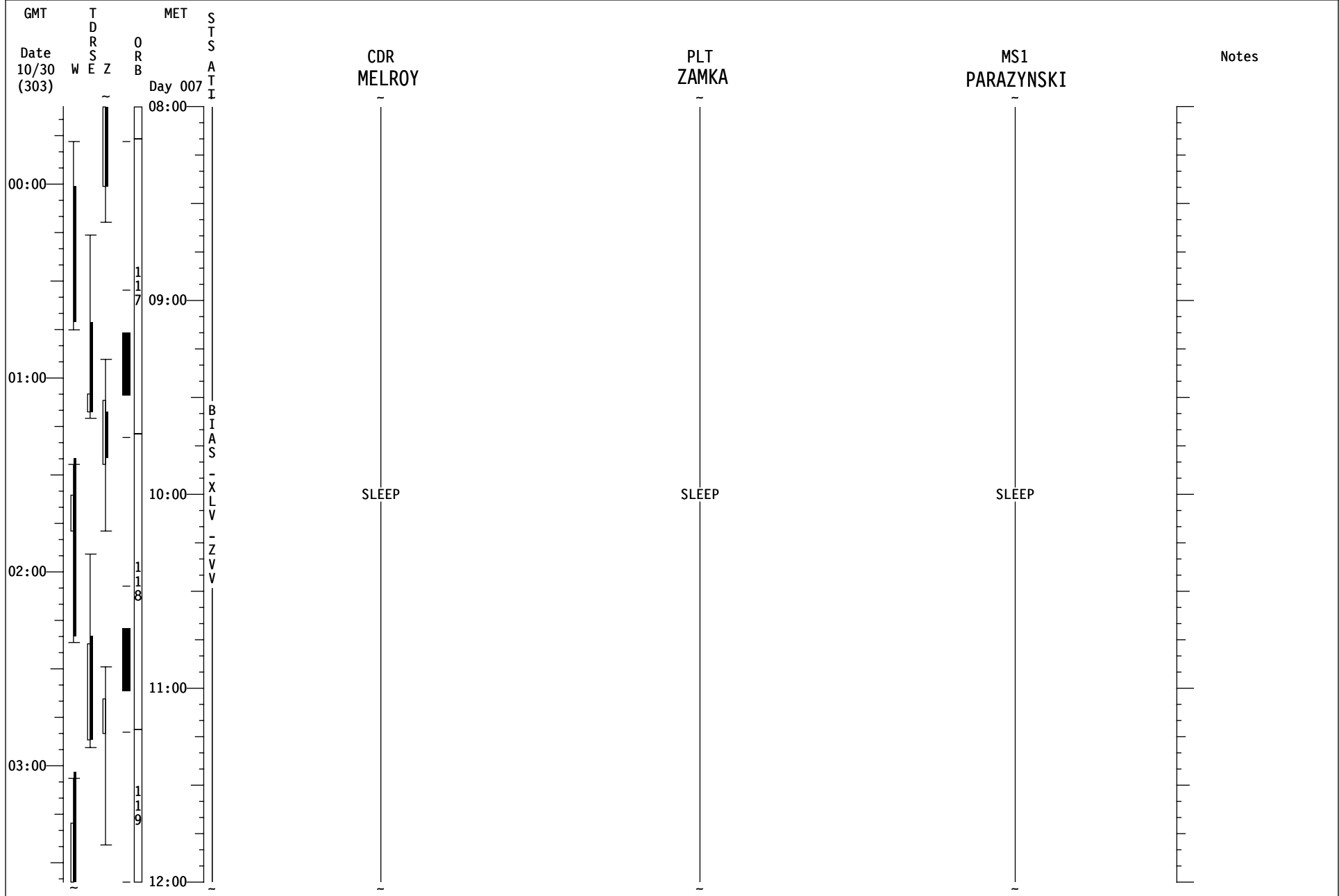
# STS-120 FD08



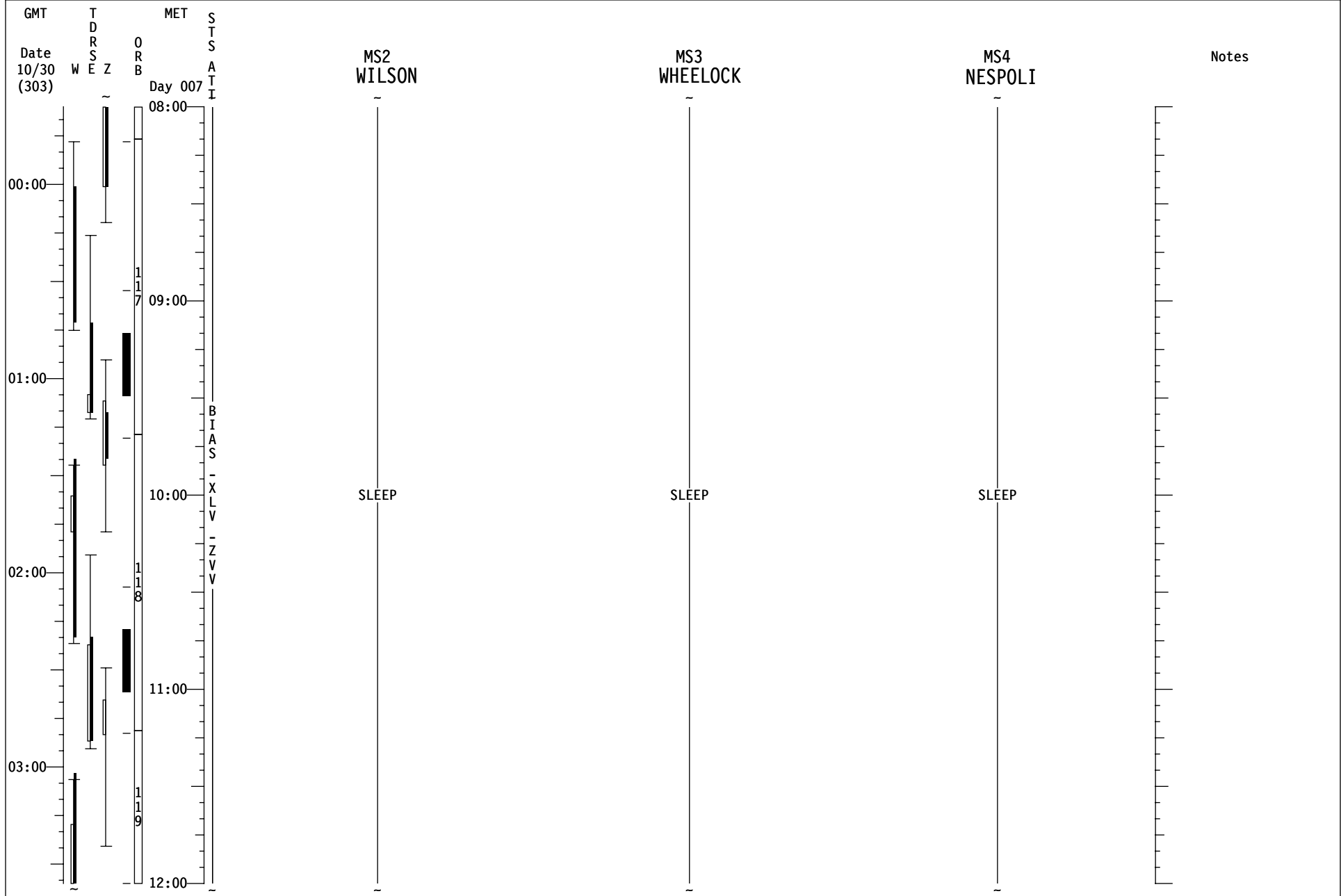
# STS-120 FD08



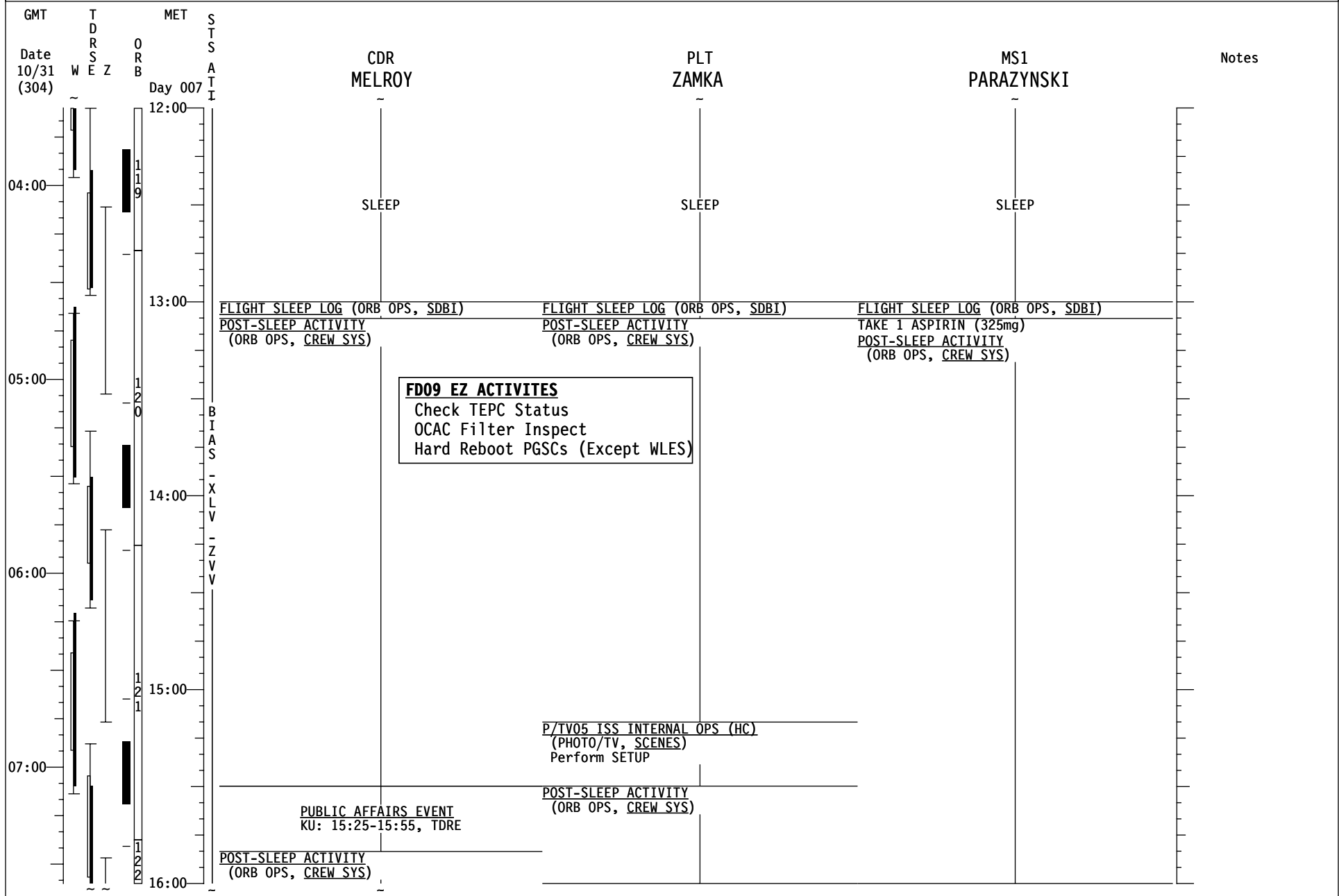
# STS-120 FD08



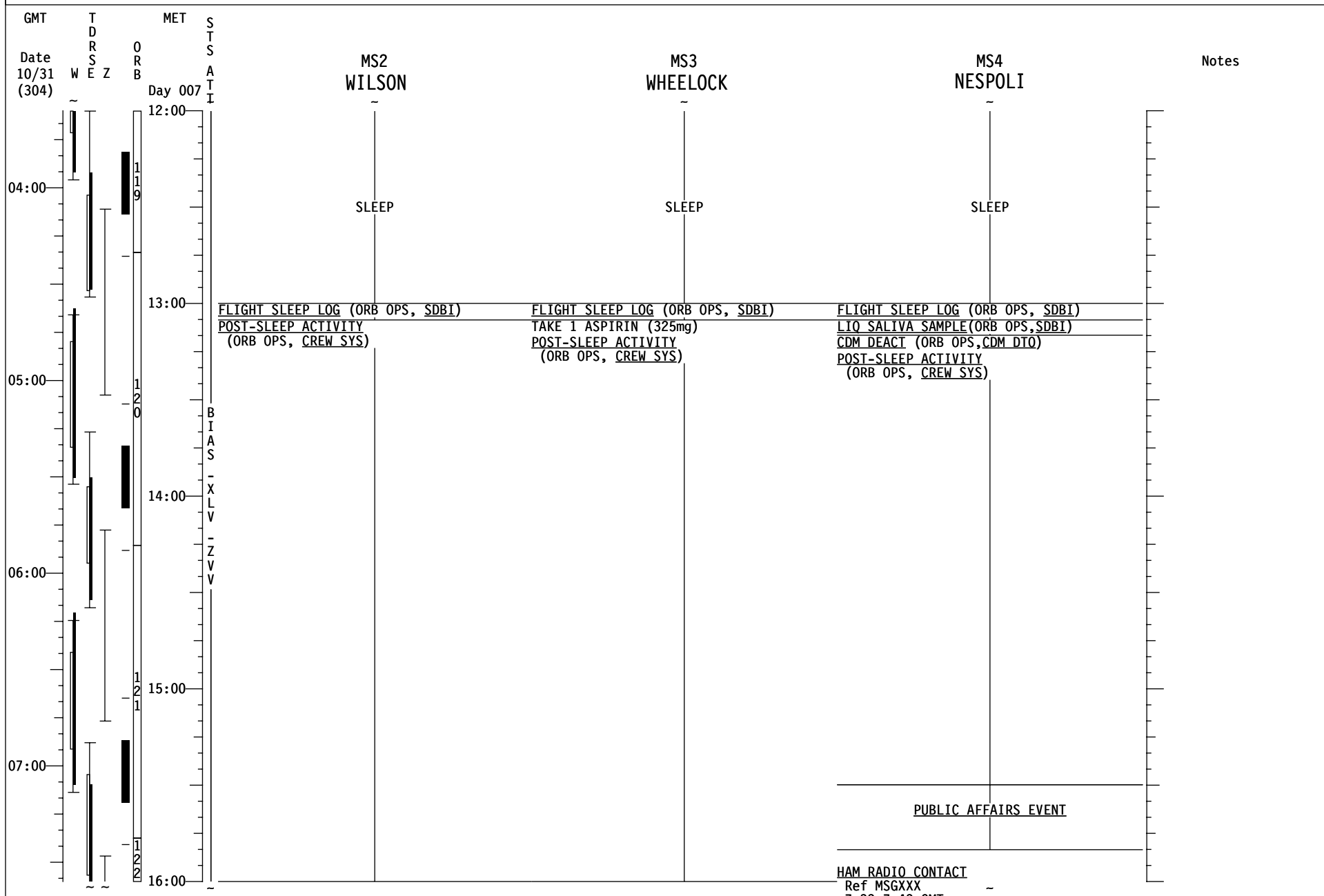
# STS-120 FD08



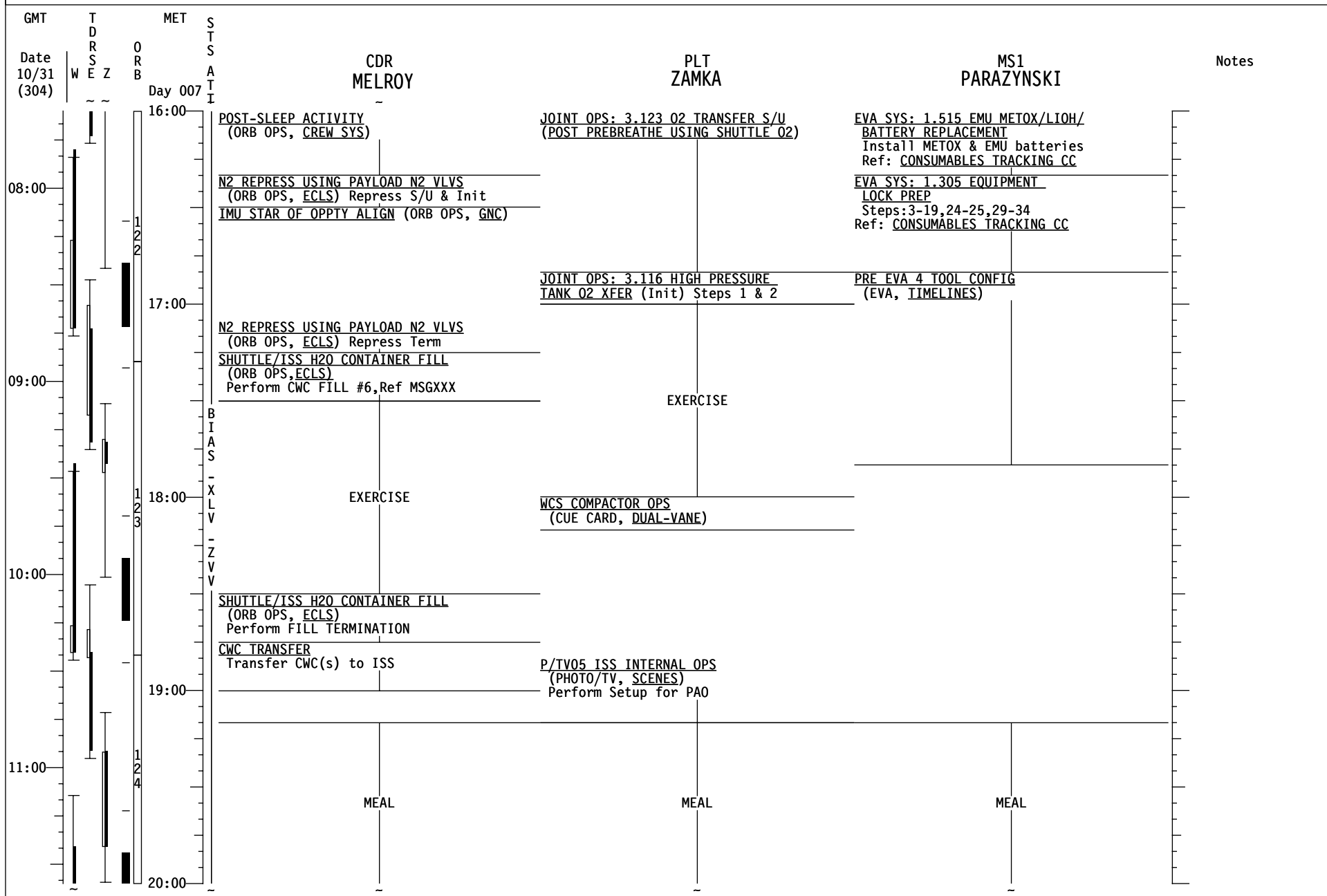
# STS-120 FD09



# STS-120 FD09

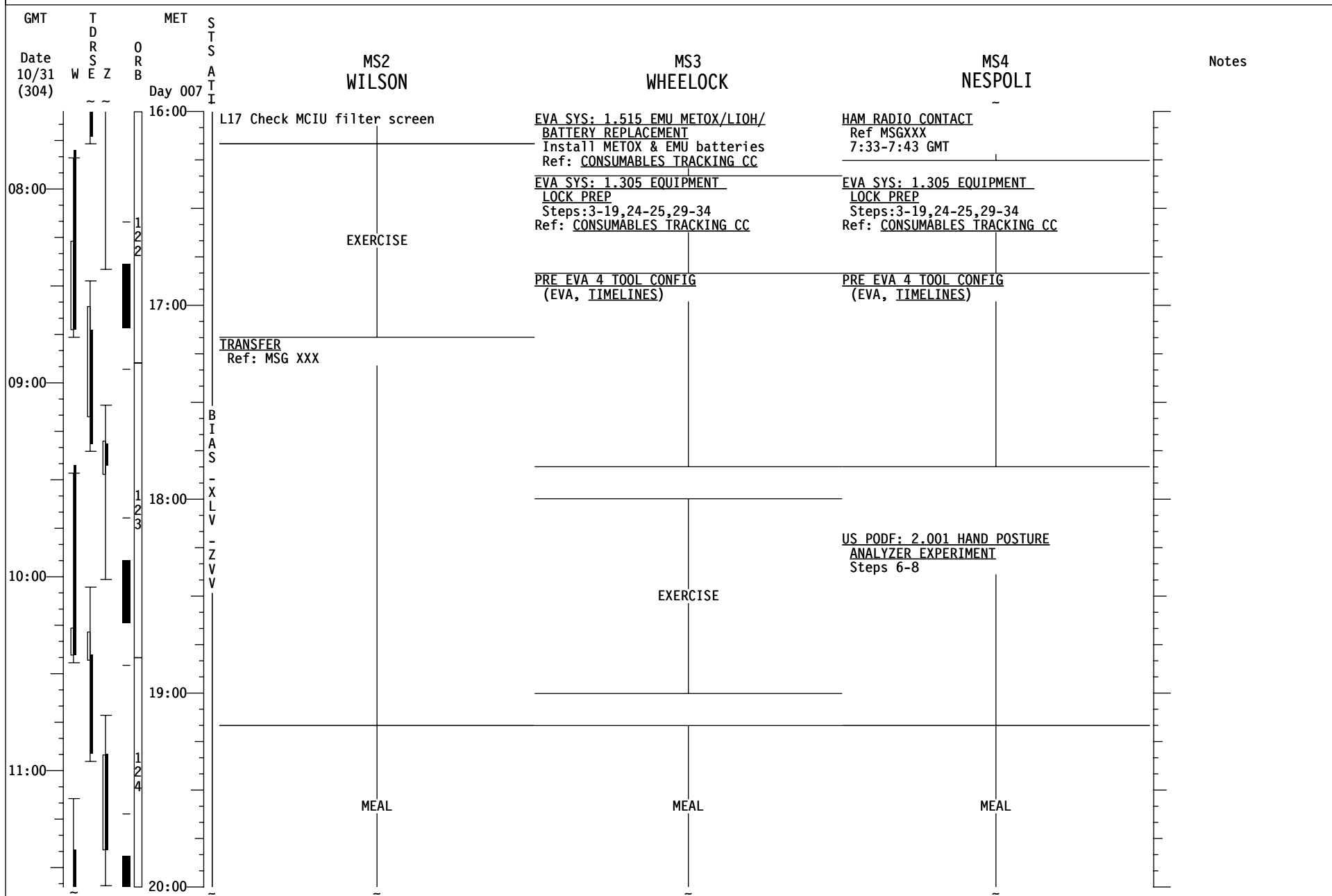


# STS-120 FD09





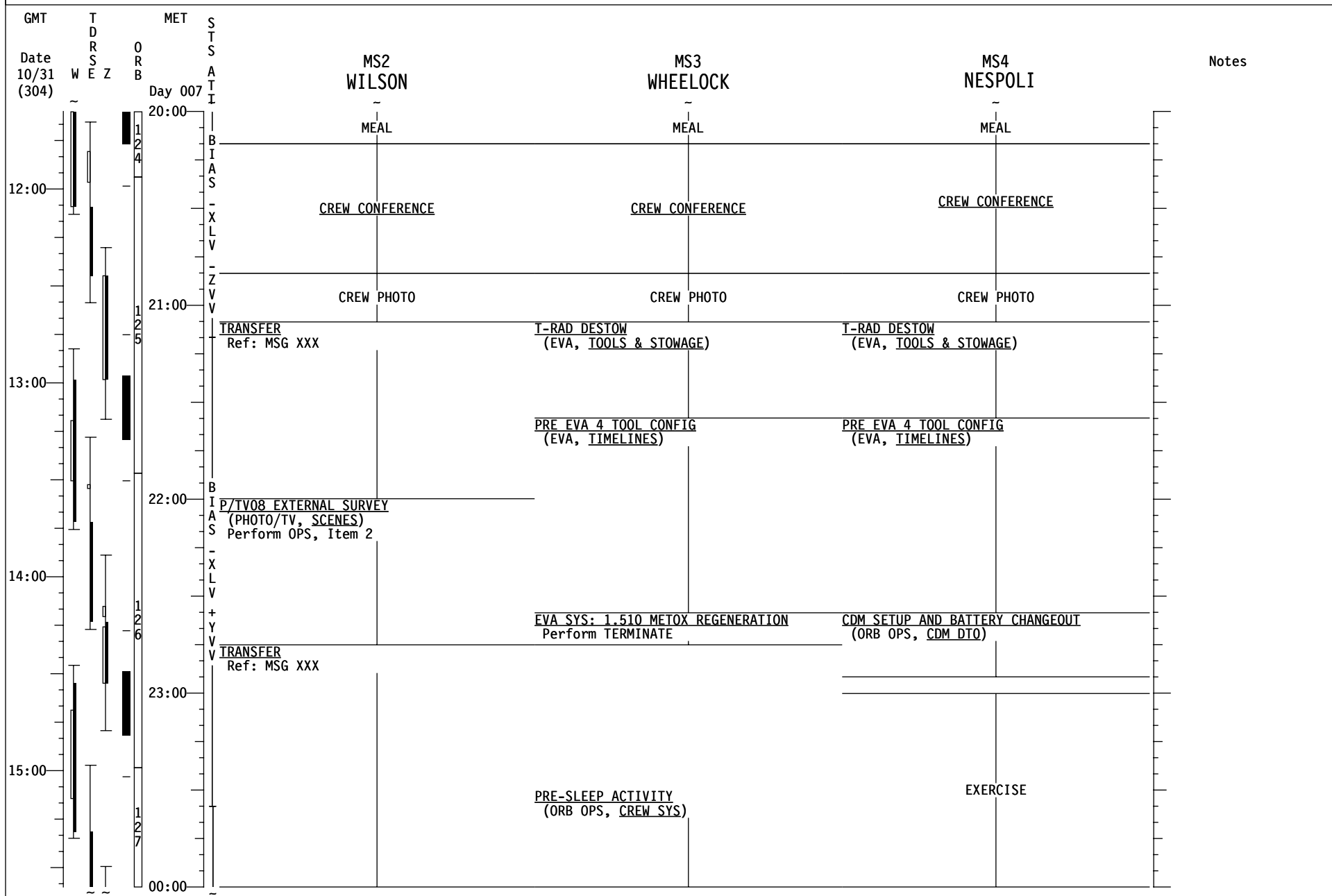
# STS-120 FD09



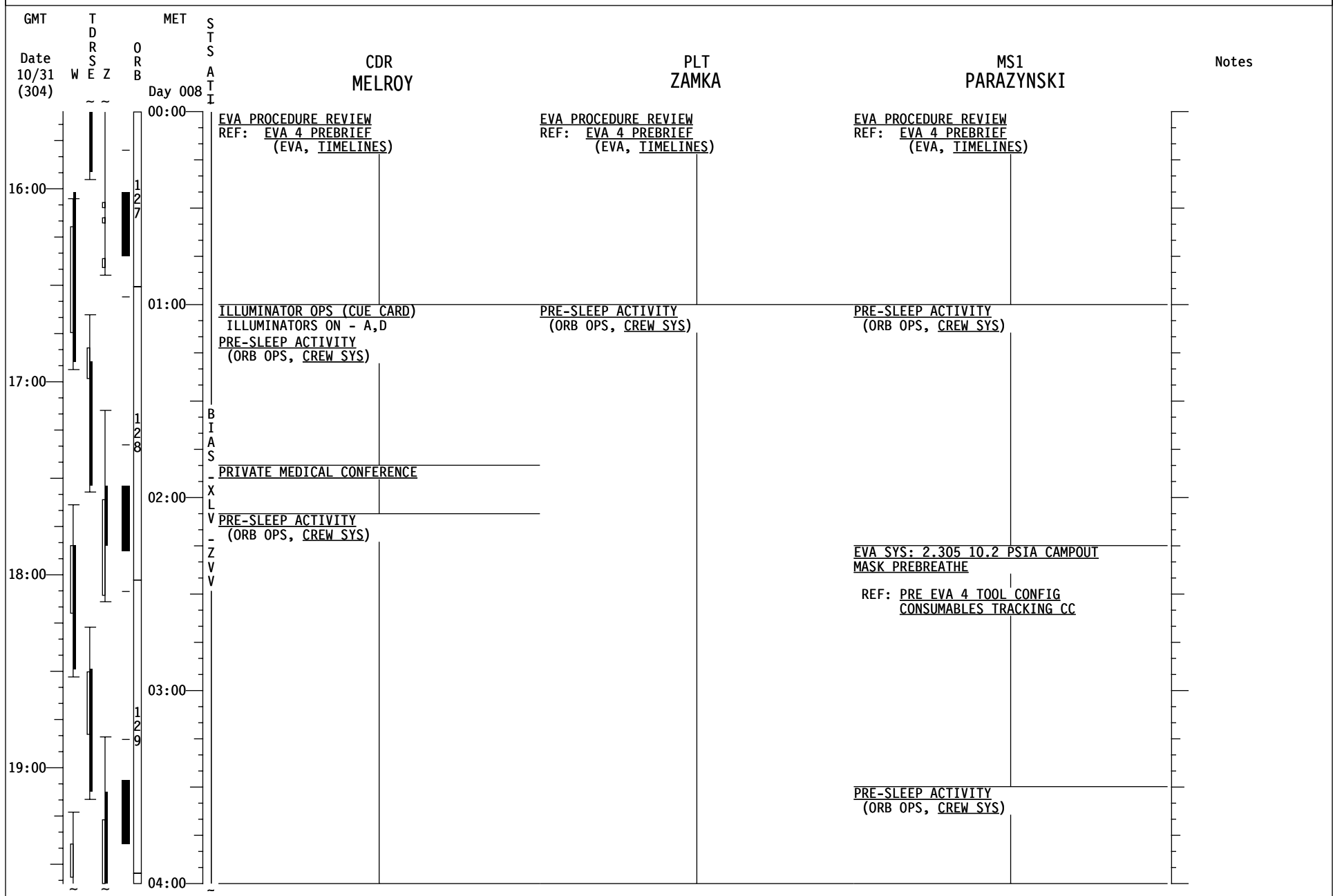
# STS-120 FD09

GMT	TDRSEZ	MET	S	CDR MELROY	PLT ZAMKA	MS1 PARAZYNSKI	Notes
Date 10/31 (304)	W E Z	Day 007	OR B	MEAL	MEAL	MEAL	
12:00			B I A S	<u>CREW CONFERENCE</u> KU: 19:10-19:45, TDRE	<u>CREW CONFERENCE</u>	<u>CREW CONFERENCE</u>	
13:00			X L V	<u>CREW PHOTO</u>	<u>CREW PHOTO</u>	<u>CREW PHOTO</u>	
			Z V V	<u>JNT OPS: 3.110 H/O ATT CNTRL</u> <u>CMG TA TO ORB</u> <u>MNVR (TRK) BIAS -XLV +YVV (H2O DUMP)</u> TG=2 BV=5 P=157 Y=352 OM=191 A12/AUTO/VERN Init TRK		<u>T-RAD DESTOW</u> (EVA, <u>TOOLS &amp; STOWAGE</u> )	
				<u>SUPPLY/WASTE WATER DUMP</u> (ORB OPS, <u>ECLS</u> ) Initiate Waste Dump	<u>PWR DUMP-SUPPLY LINE</u> (ORB OPS, <u>ECLS</u> ) Ref: MSGXXX	<u>PRE EVA 4 TOOL CONFIG</u> (EVA, <u>TIMELINES</u> )	UPDATE H2O WASTE DUMP QTY
14:00			B I A S				
			X L V	<u>SUPPLY/WASTE WATER DUMP</u> (ORB OPS, <u>ECLS</u> ) + Terminate Waste Dump	<u>PWR FILL</u> (ORB OPS, <u>ECLS</u> ) Perform <u>WATER FILL #02</u> Ref: MSGXXX		
			Y V V	<u>CWC OVERBOARD DUMP</u> (ORB OPS, <u>ECLS</u> )			
15:00					<u>JOINT OPS: 3.116 HIGH PRESSURE</u> <u>TANK O2 XFER (TERM) Step 3</u> <u>JOINT OPS: 3.121 PREBREATHE USING SHUTTLE</u> <u>O2 SETUP (POST O2 TRANSFER)</u>	<u>EXERCISE</u>	
				<u>MNVR (TRK) BIAS -XLV -ZVV (TEA)</u> TG=2 BV=5 P=157 Y=352 OM=178 A12/AUTO/VERN Init TRK		<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u> )	
00:00				<u>H/O ATT CTRL TO ISS; On MCC GO, DAP: FREE</u>			

# STS-120 FD09



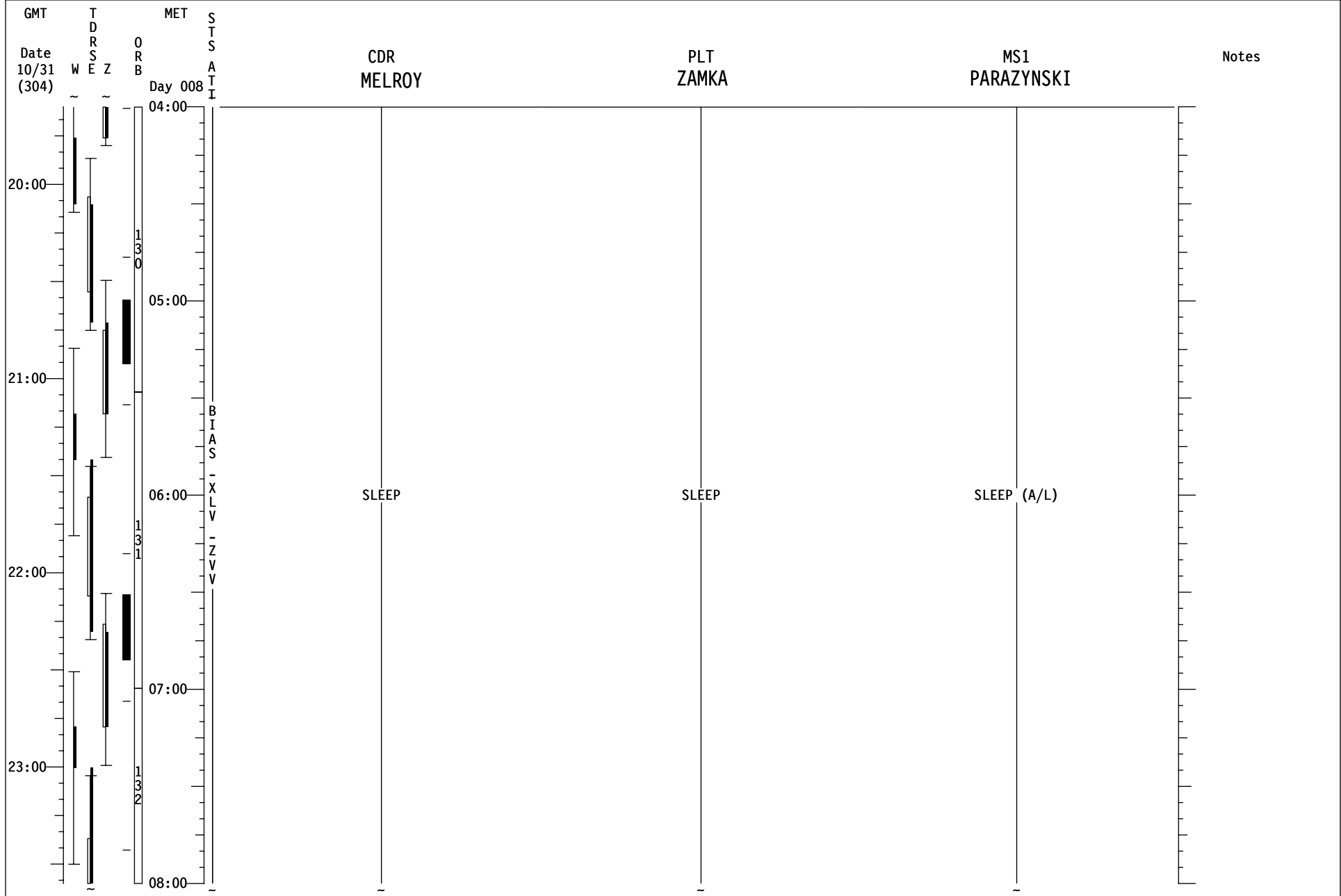
# STS-120 FD09



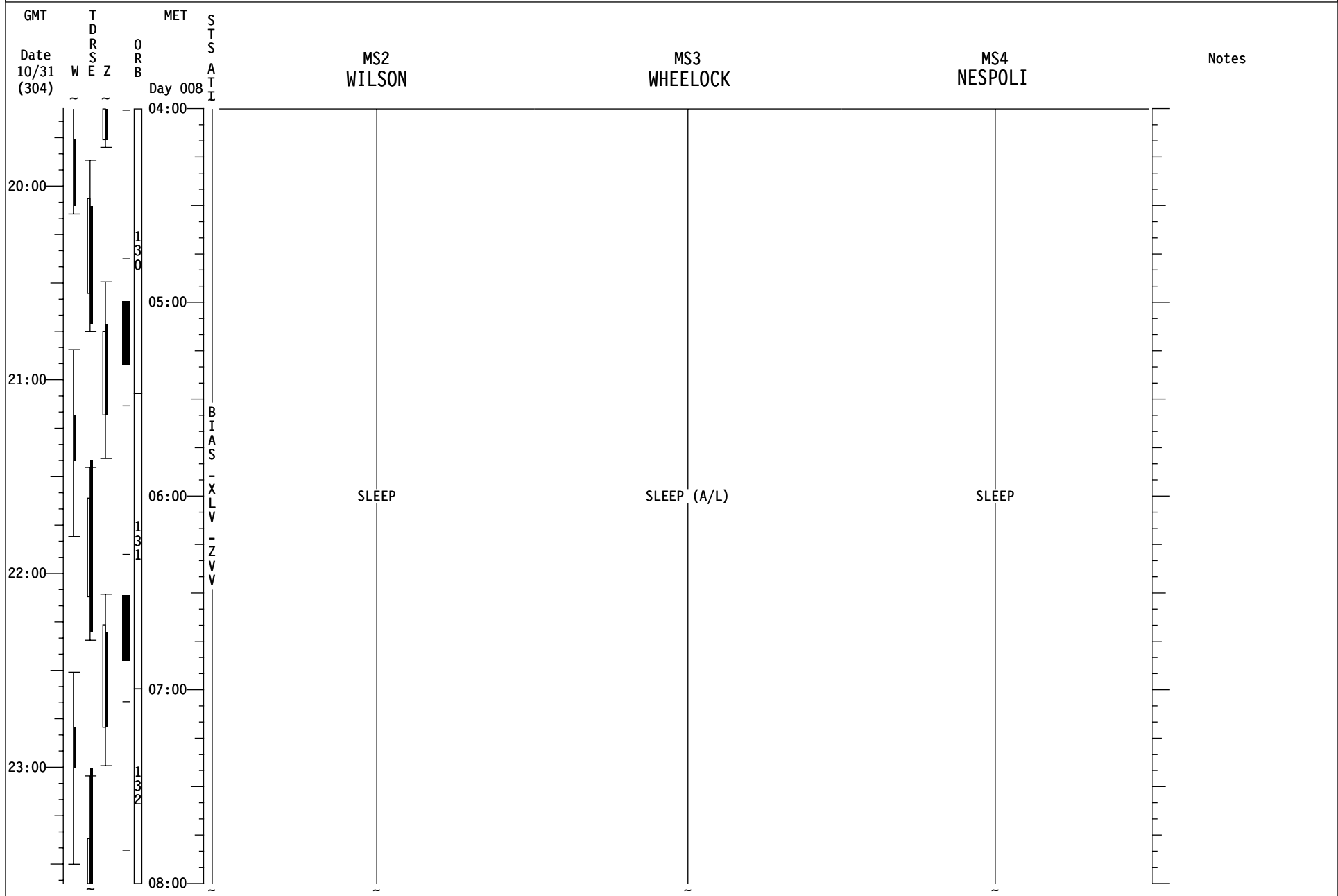
# STS-120 FD09

GMT	T D R S E Z	MET	S T S	MS2 WILSON	MS3 WHELOCK	MS4 NESPOLI	Notes
Date 10/31 (304)	W E Z	Day 008	A T I				
				<p>00:00 <u>EVA PROCEDURE REVIEW</u> REF: <u>EVA 4 PREBRIEF</u> (EVA, TIMELINES)</p>	<p>00:00 <u>EVA PROCEDURE REVIEW</u> REF: <u>EVA 4 PREBRIEF</u> (EVA, TIMELINES)</p>	<p>00:00 <u>EVA PROCEDURE REVIEW</u> REF: <u>EVA 4 PREBRIEF</u> (EVA, TIMELINES)</p>	
16:00							
				<p>01:00 <u>TRANSFER BRIEF:</u> <u>CALL DOWN STATUS TO MCC</u></p>	<p>01:00 <u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>	<p>01:00 <u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>	
17:00				<p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>			
					<p>02:00 <u>EVA SYS: 2.305 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u></p>	<p>02:00 <u>EVA SYS: 2.305 10.2 PSIA CAMPOUT</u> <u>MASK PREBREATHE</u></p>	
18:00					<p>REF: <u>PRE EVA 4 TOOL CONFIG</u> <u>CONSUMABLES TRACKING CC</u></p>	<p>REF: <u>PRE EVA 4 TOOL CONFIG</u> <u>CONSUMABLES TRACKING CC</u></p>	
						<p>03:00 <u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>	
19:00					<p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>		
04:00							

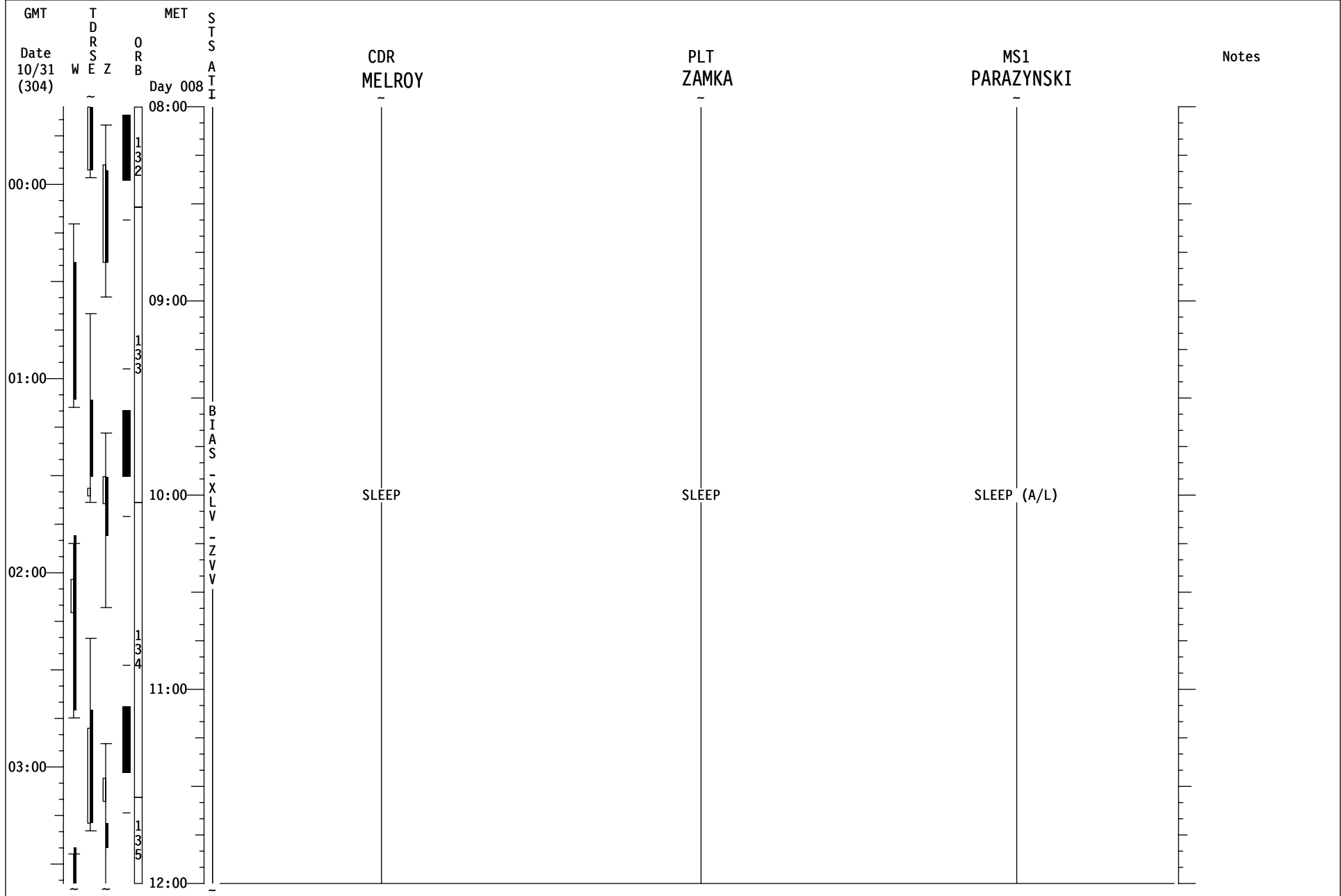
# STS-120 FD09



# STS-120 FD 09

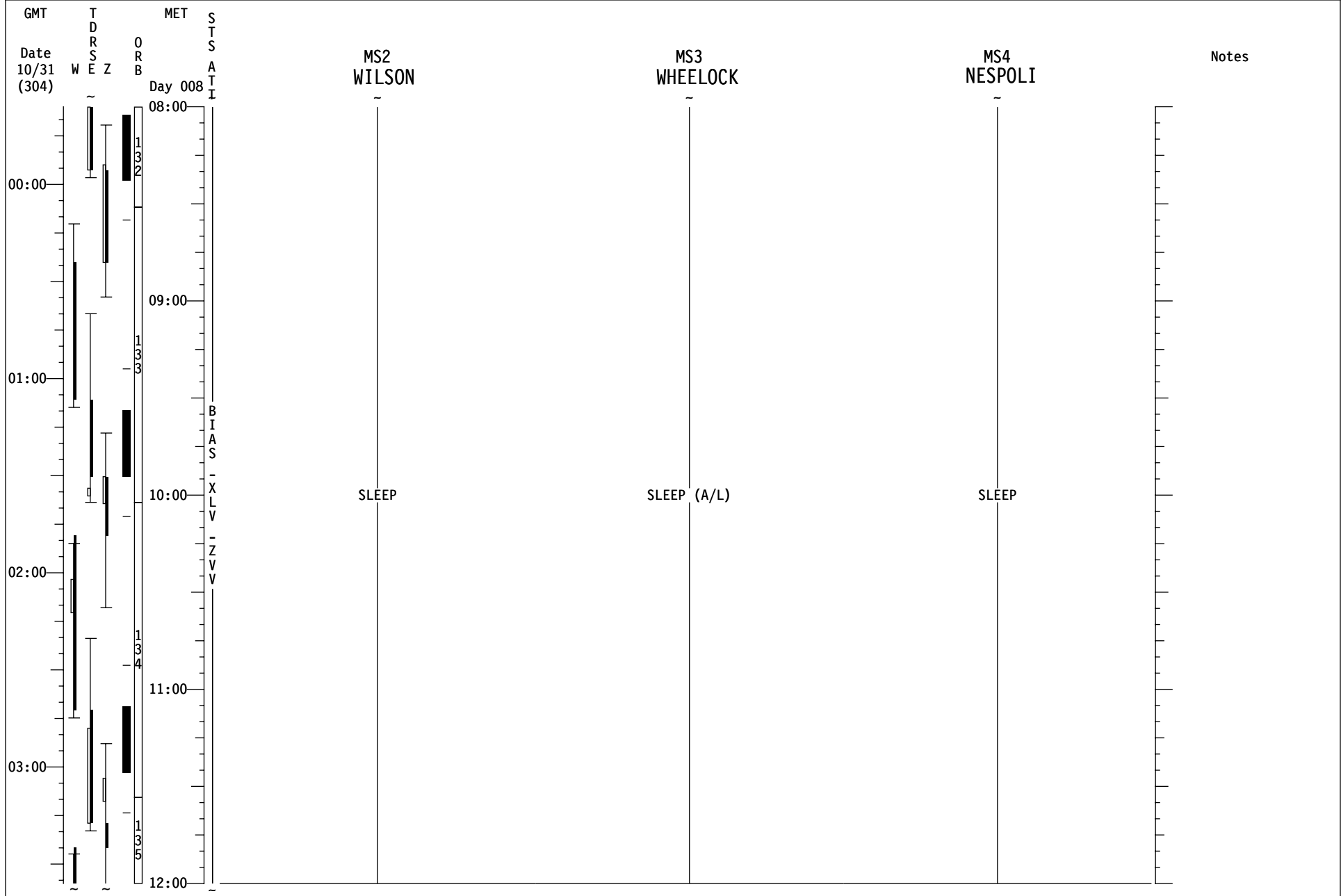


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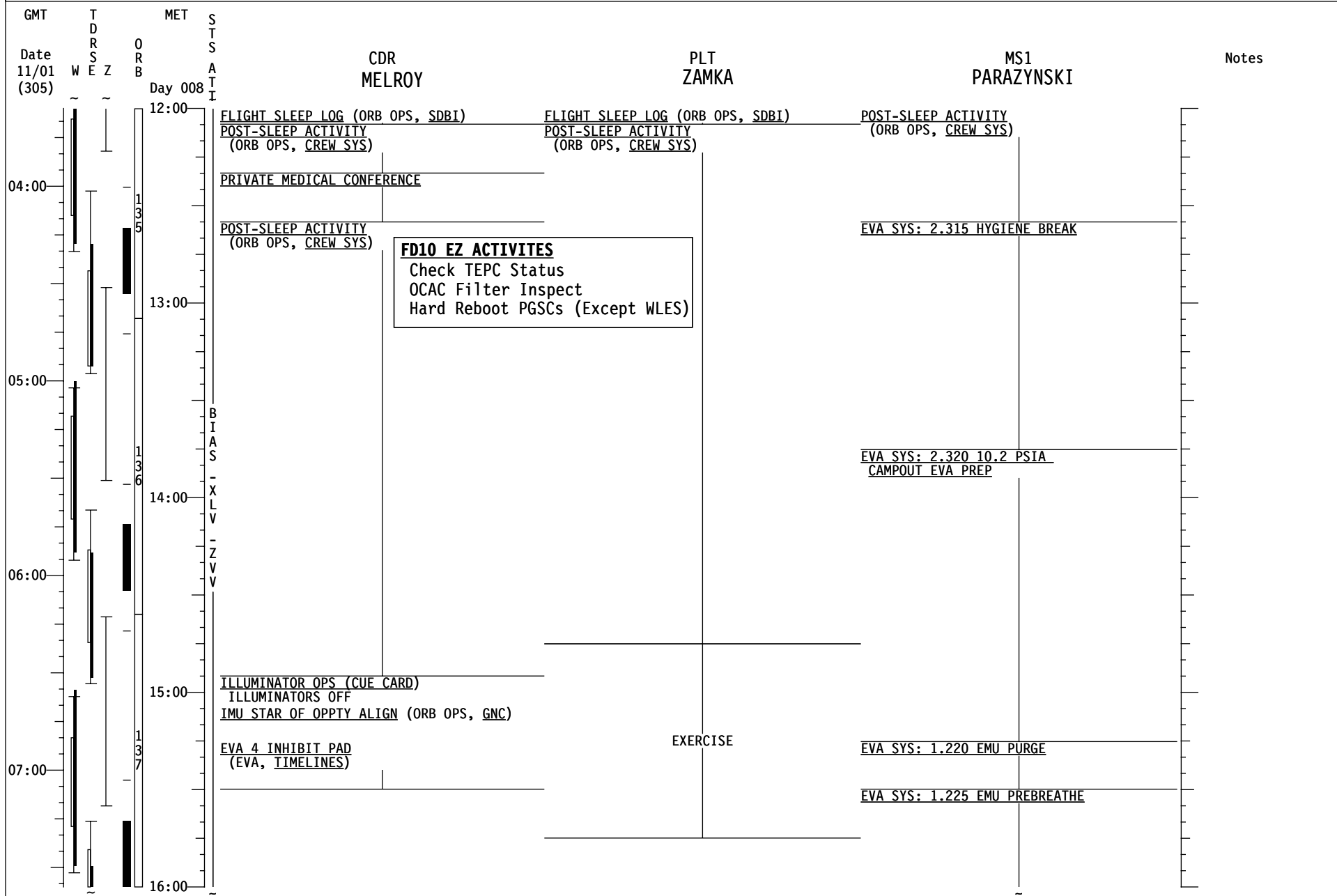




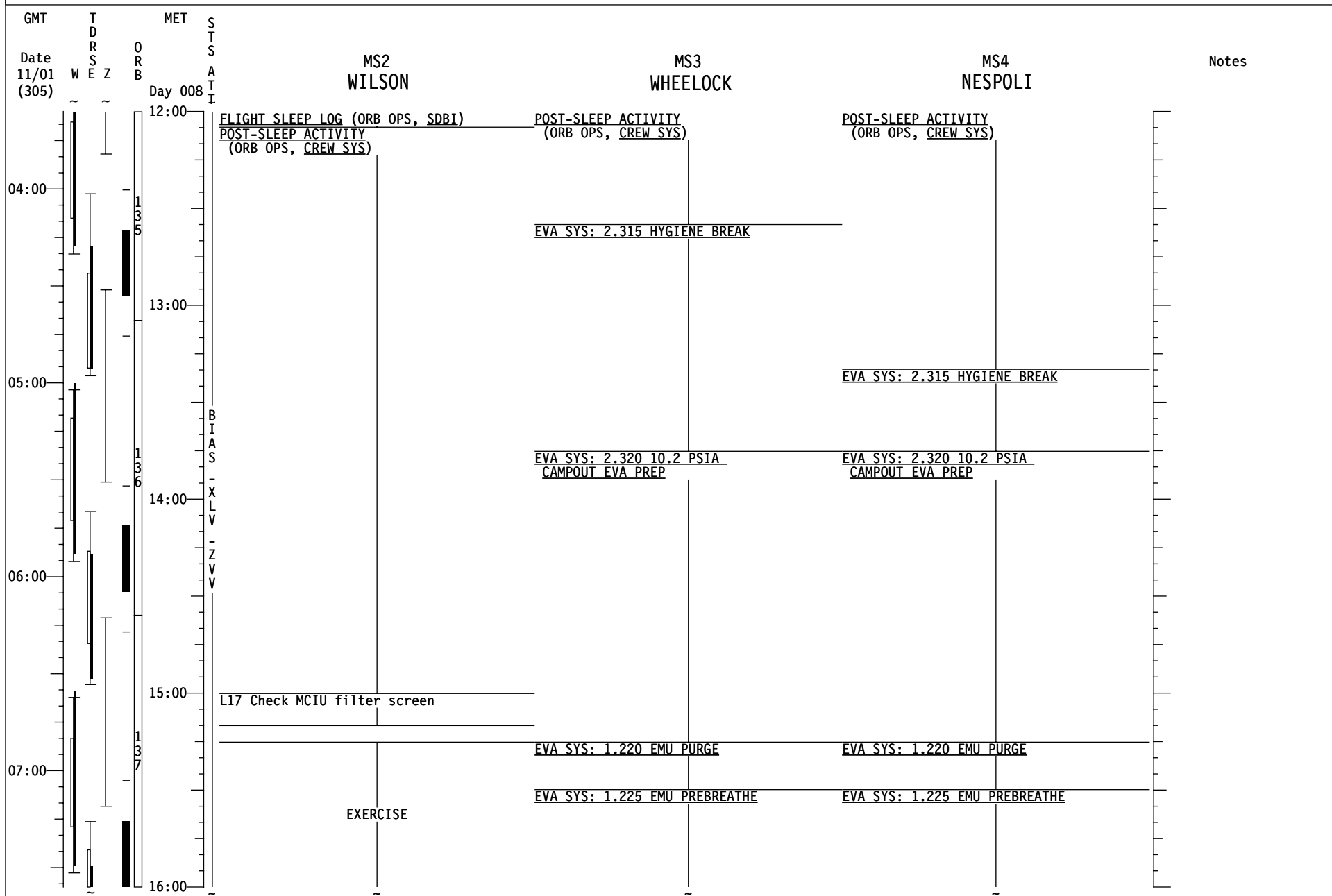
# STS-120 FD09



# STS-120 FD 10

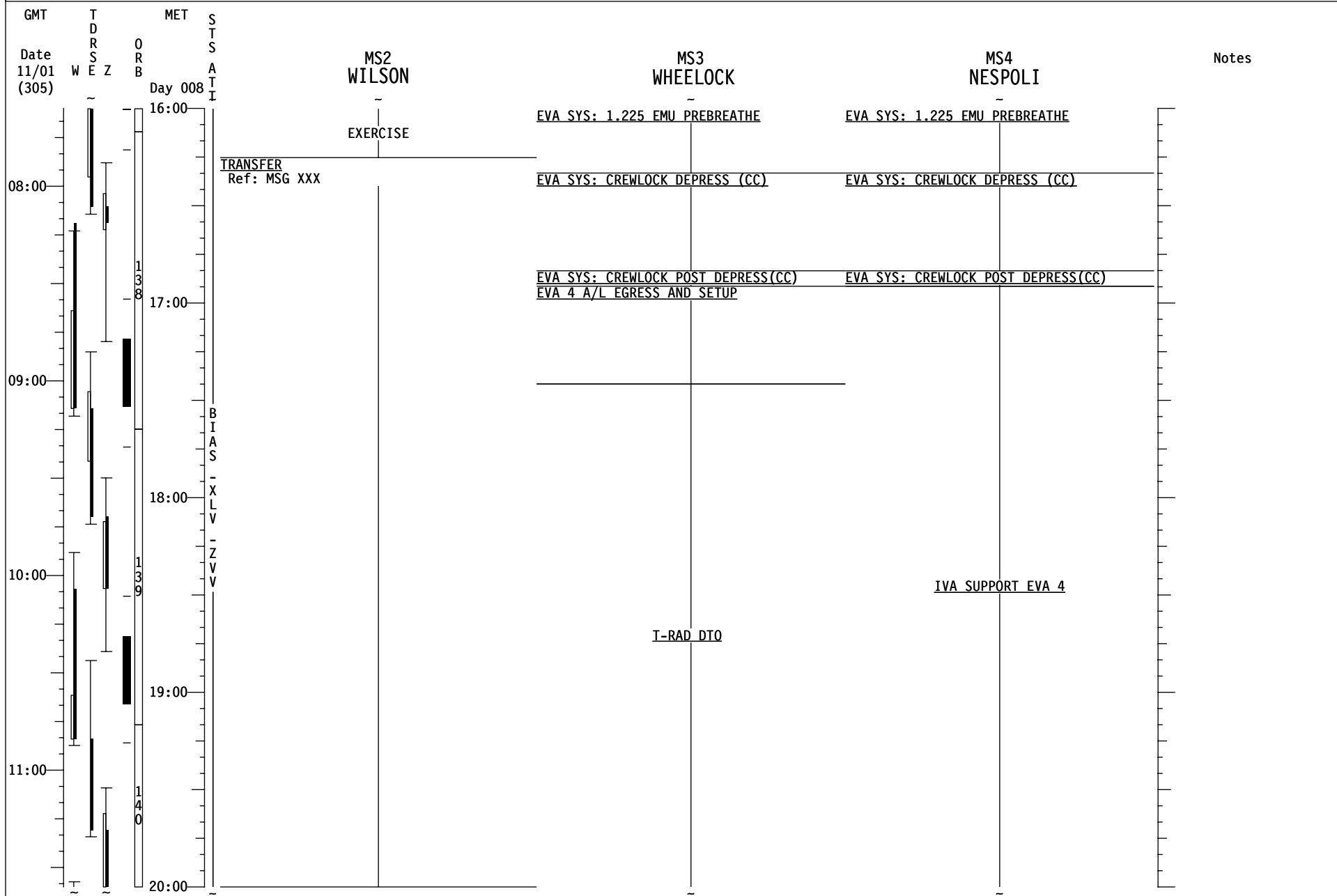


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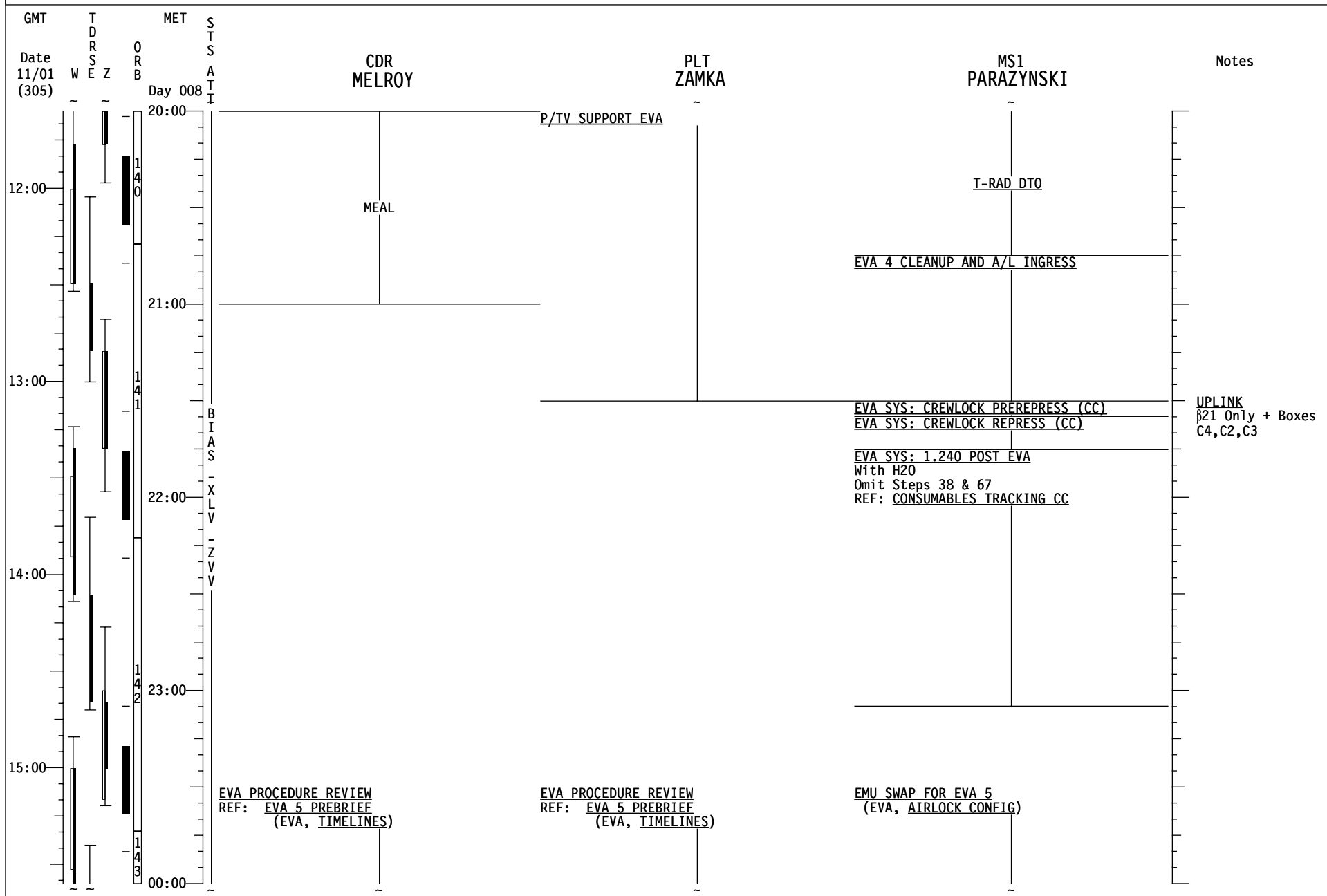




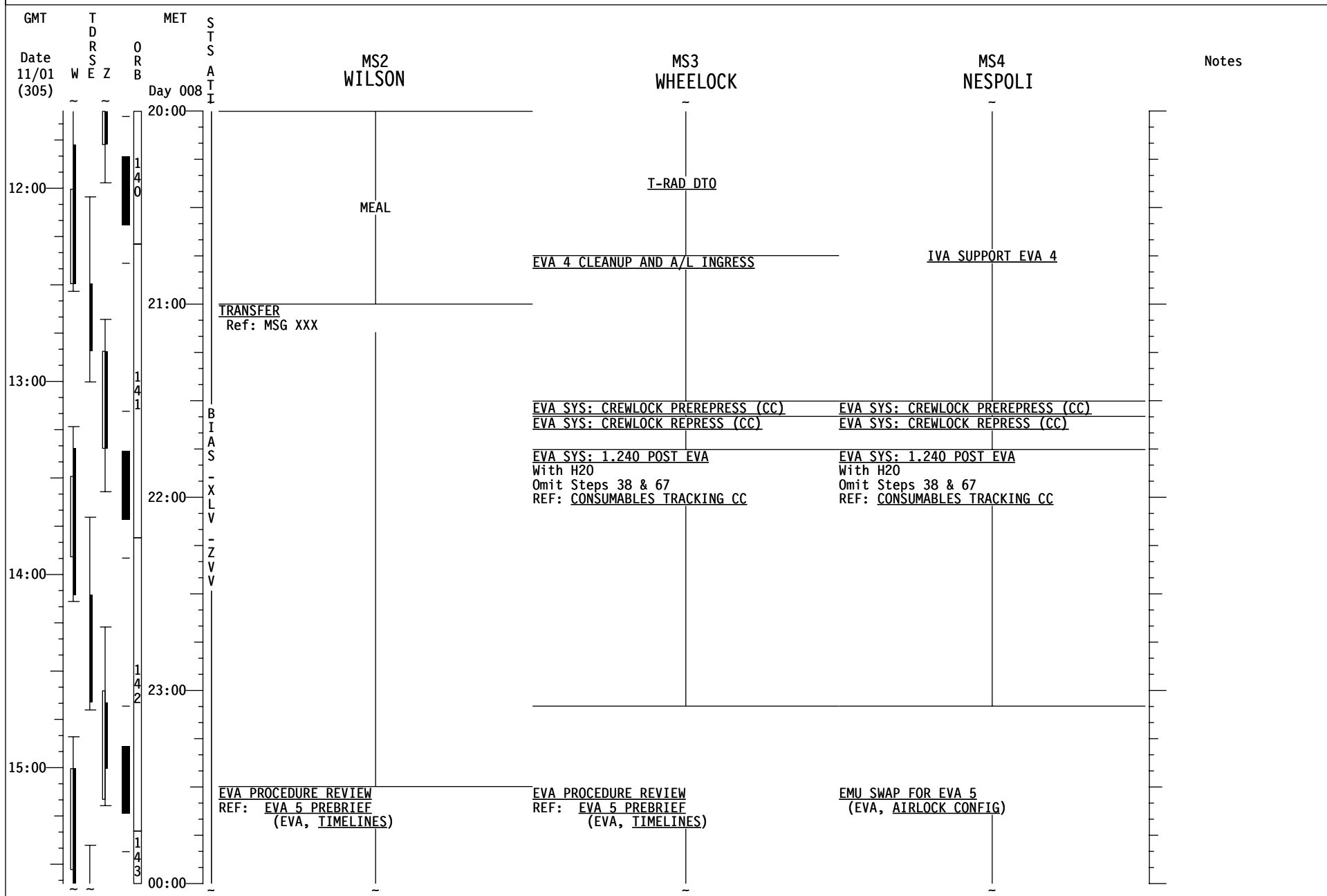
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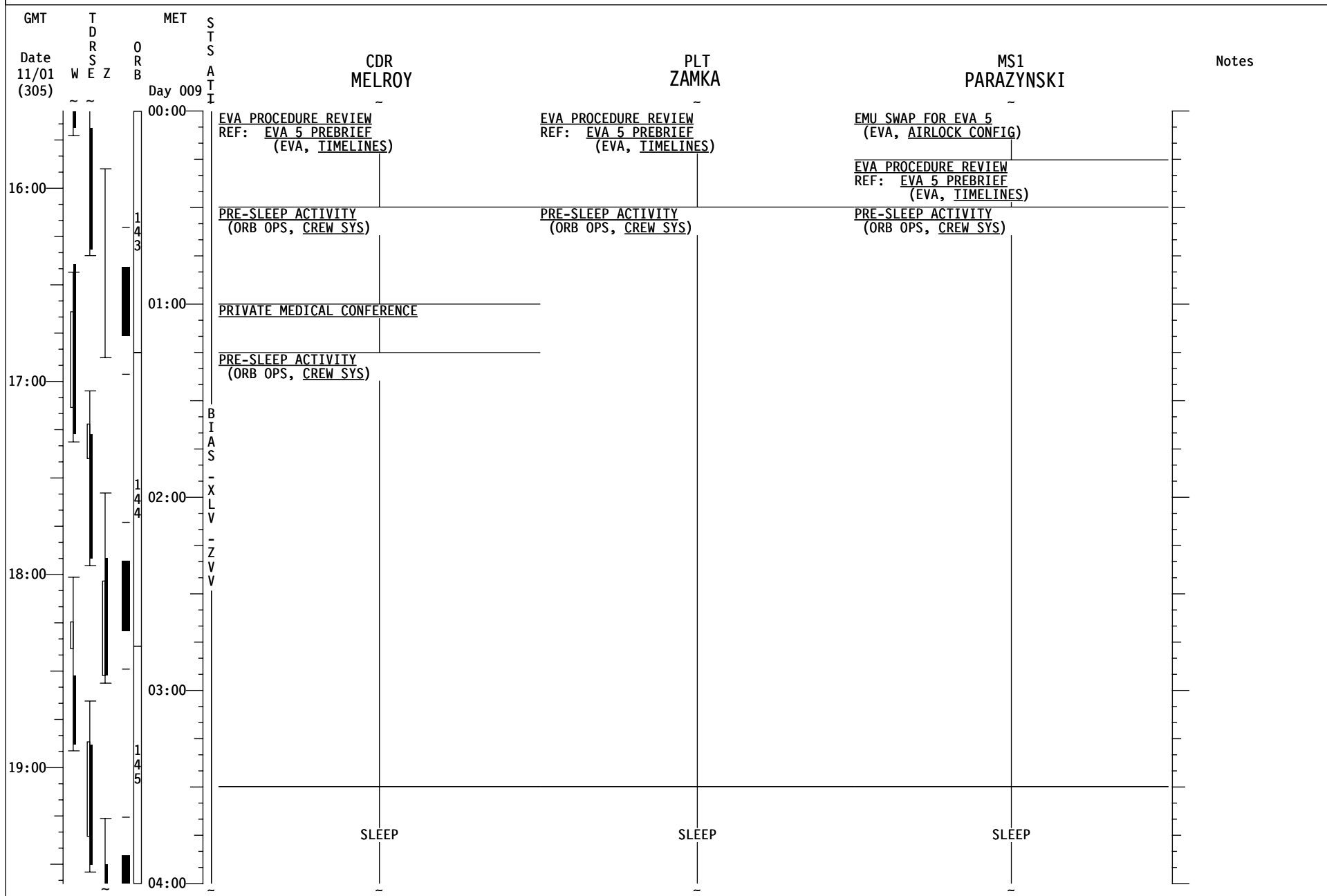
# STS-120 FD10



# STS-120 FD10

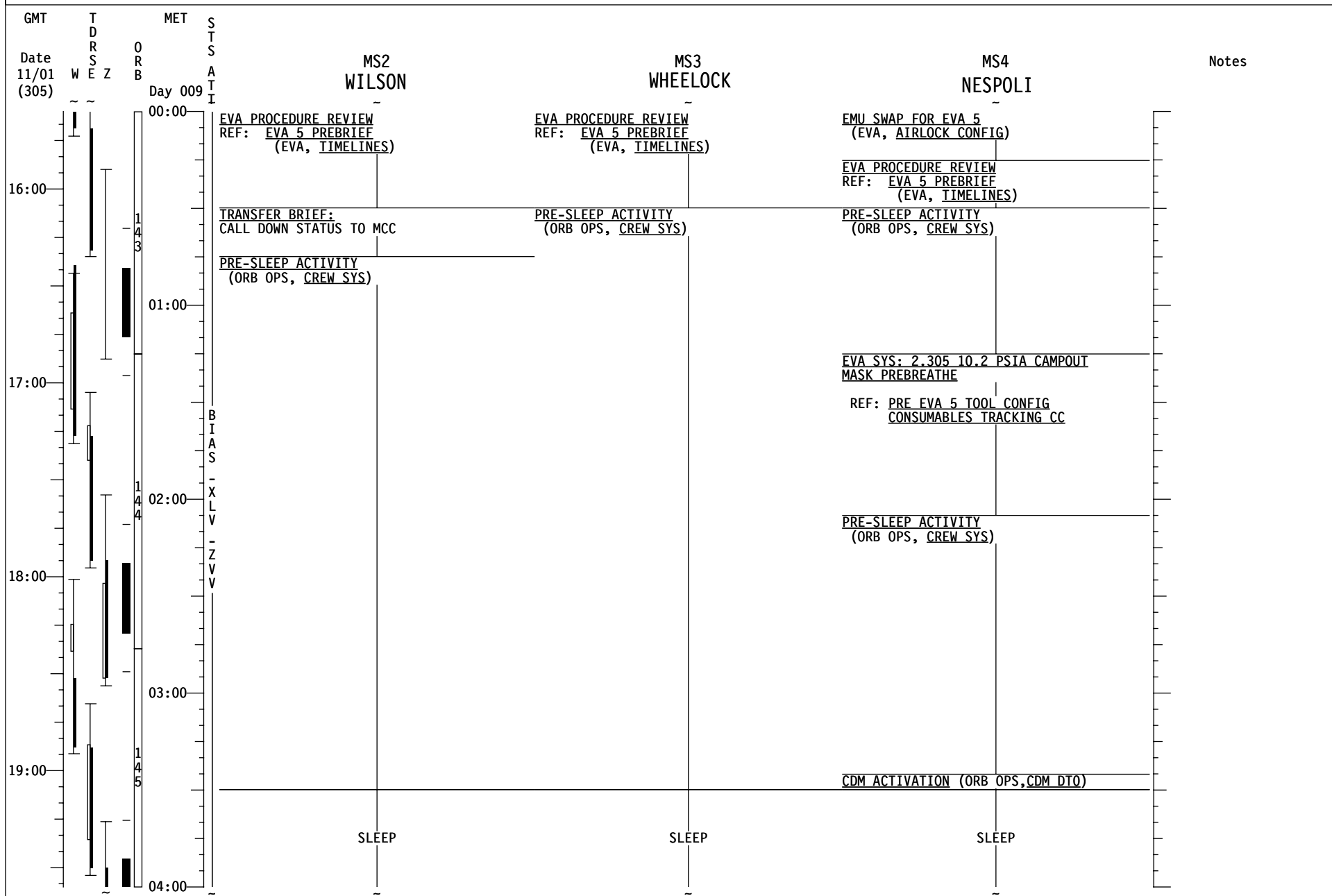


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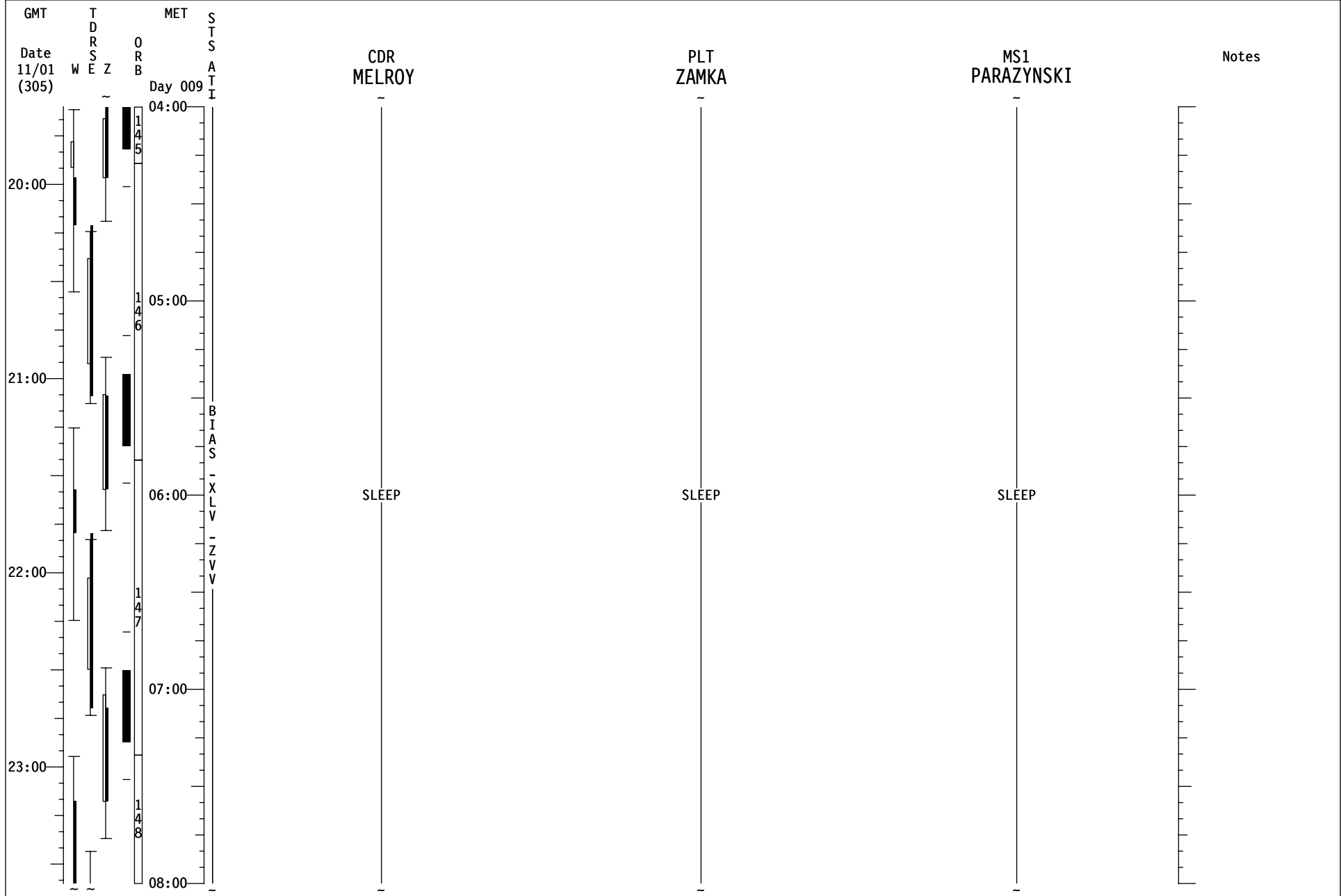




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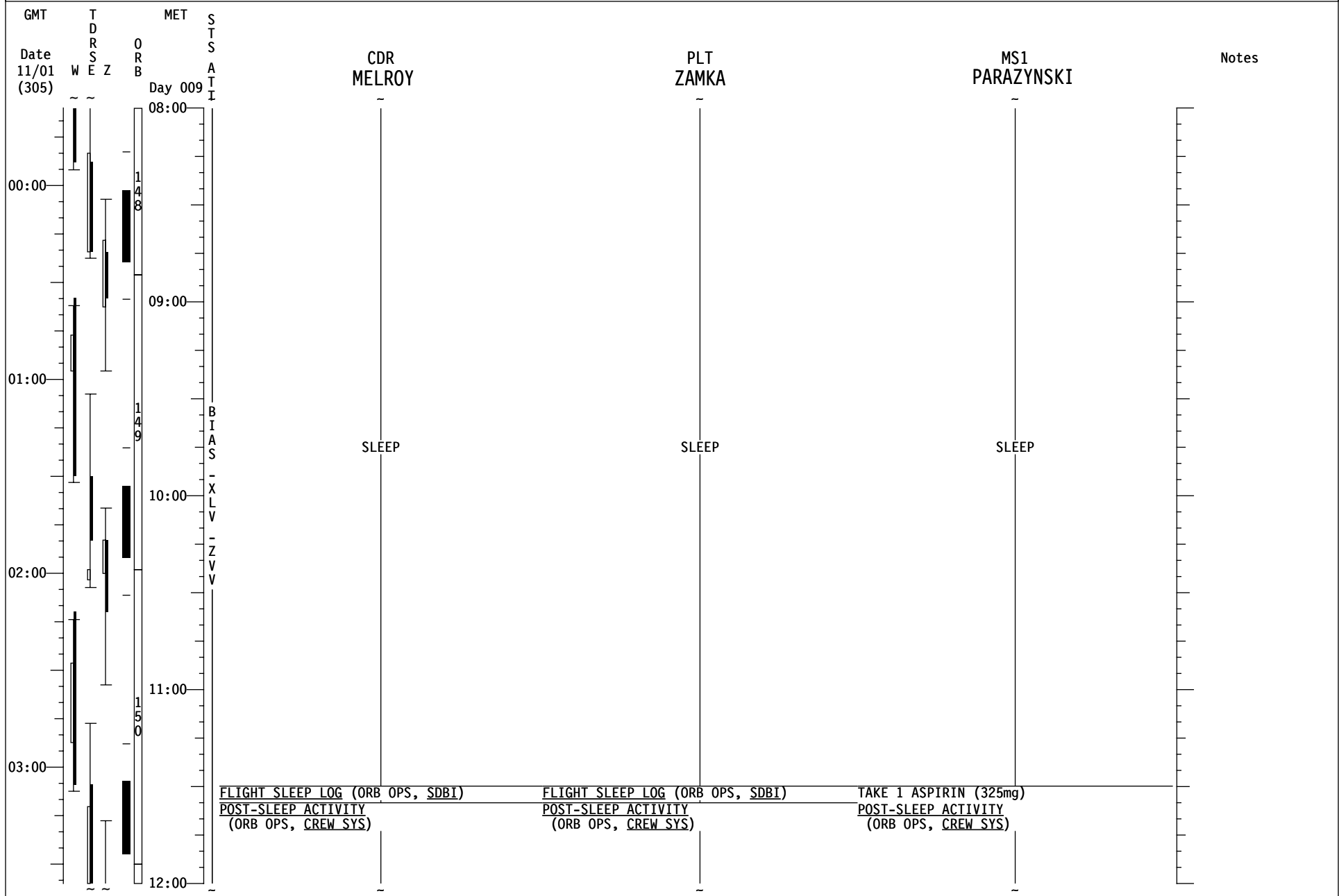


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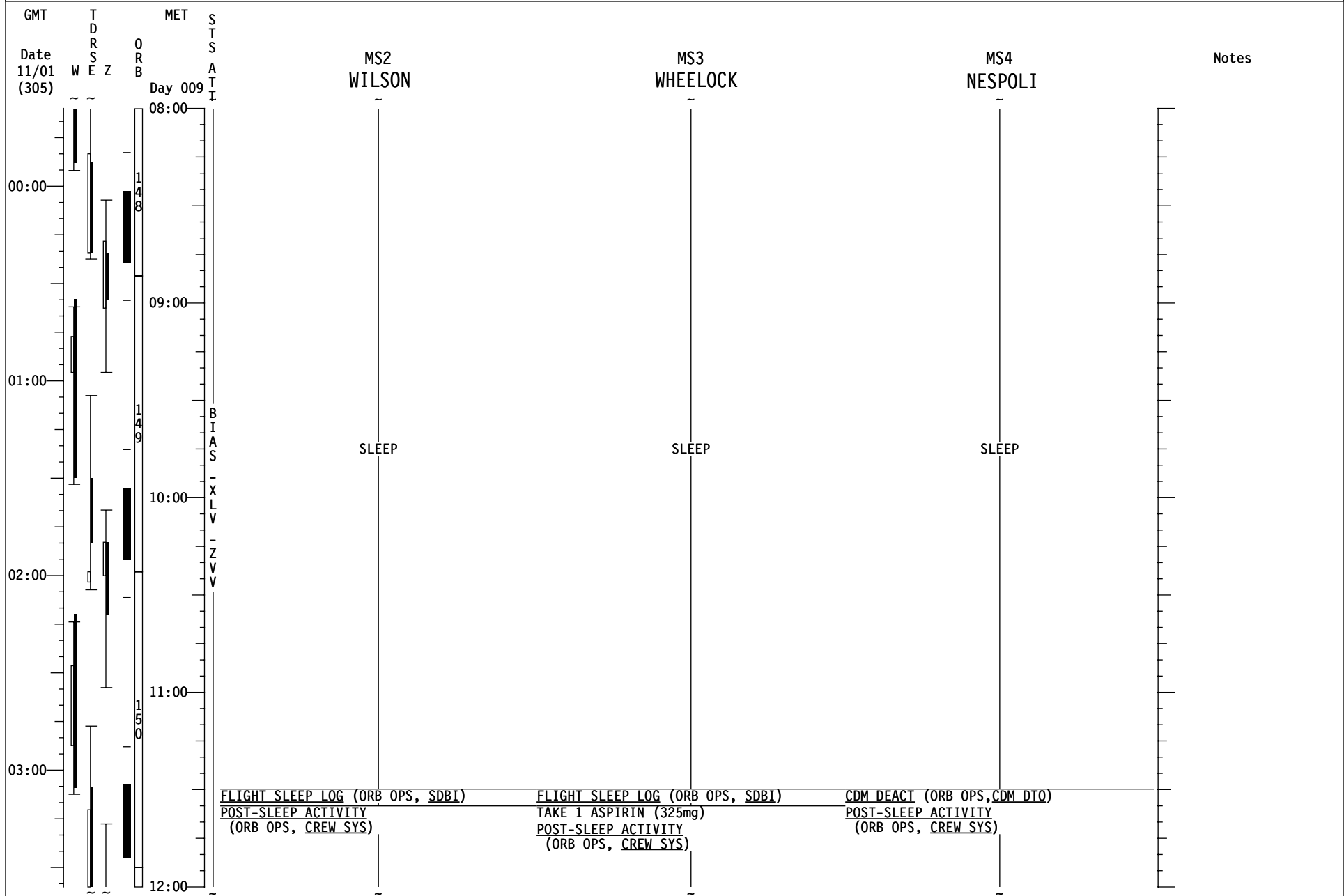




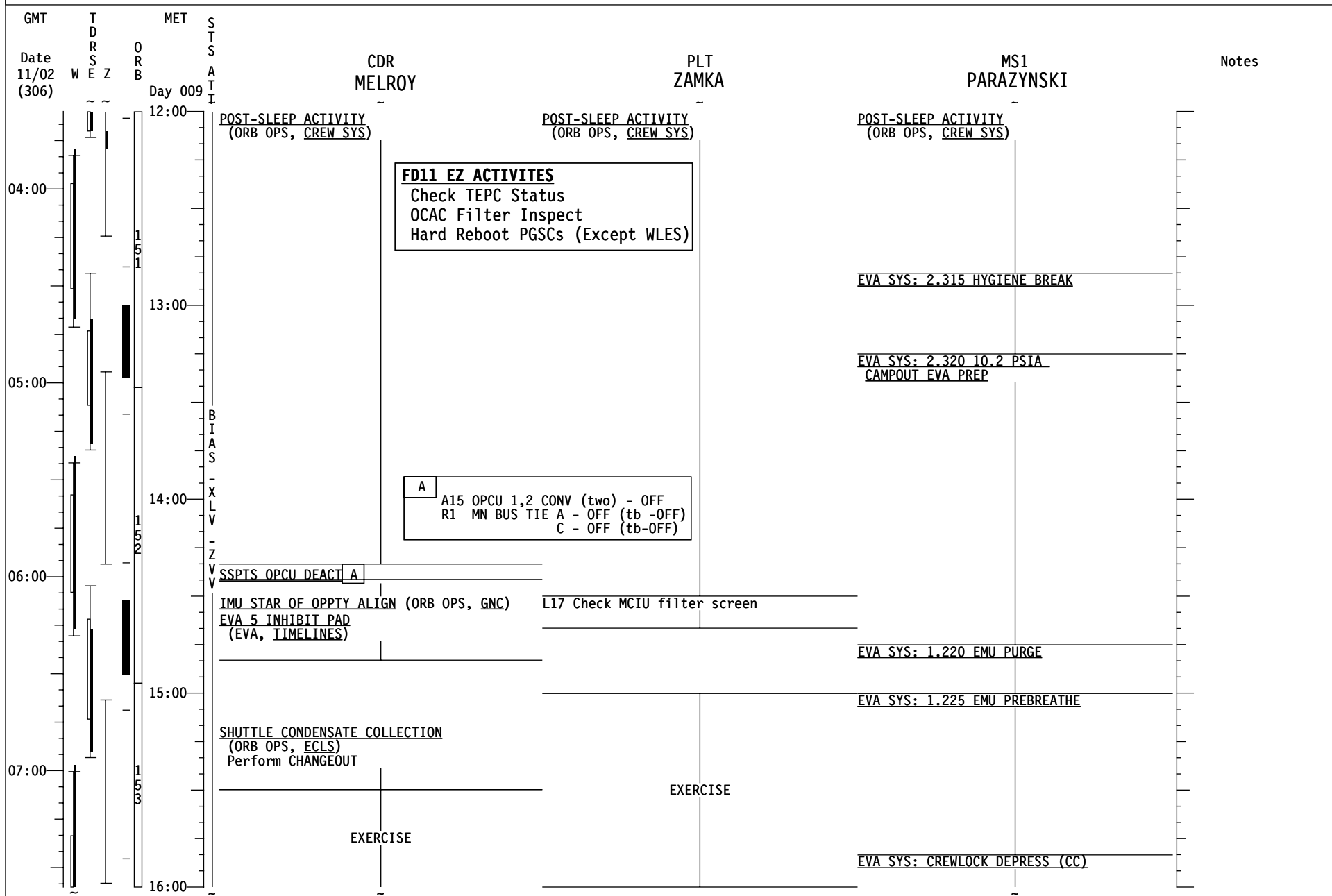
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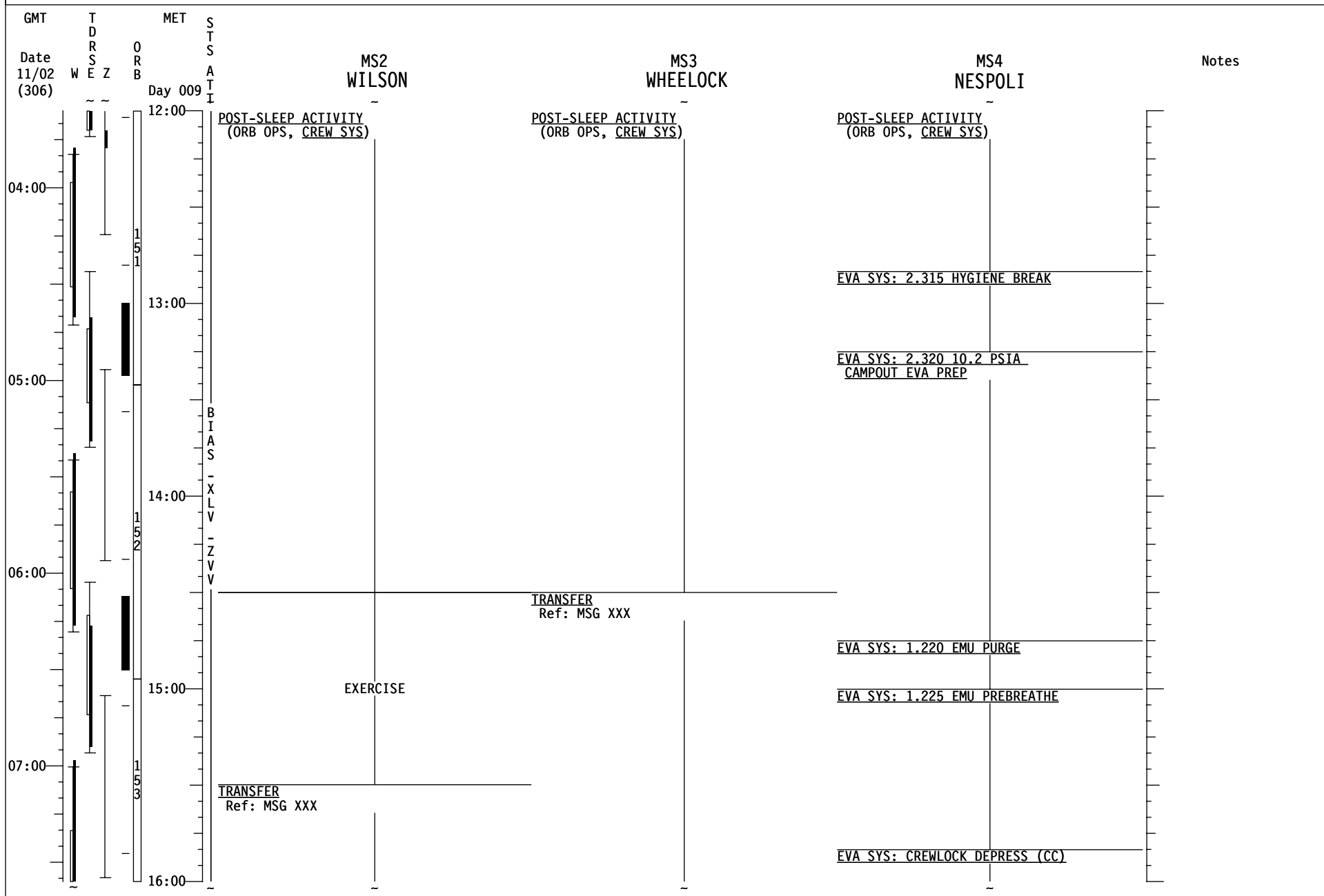
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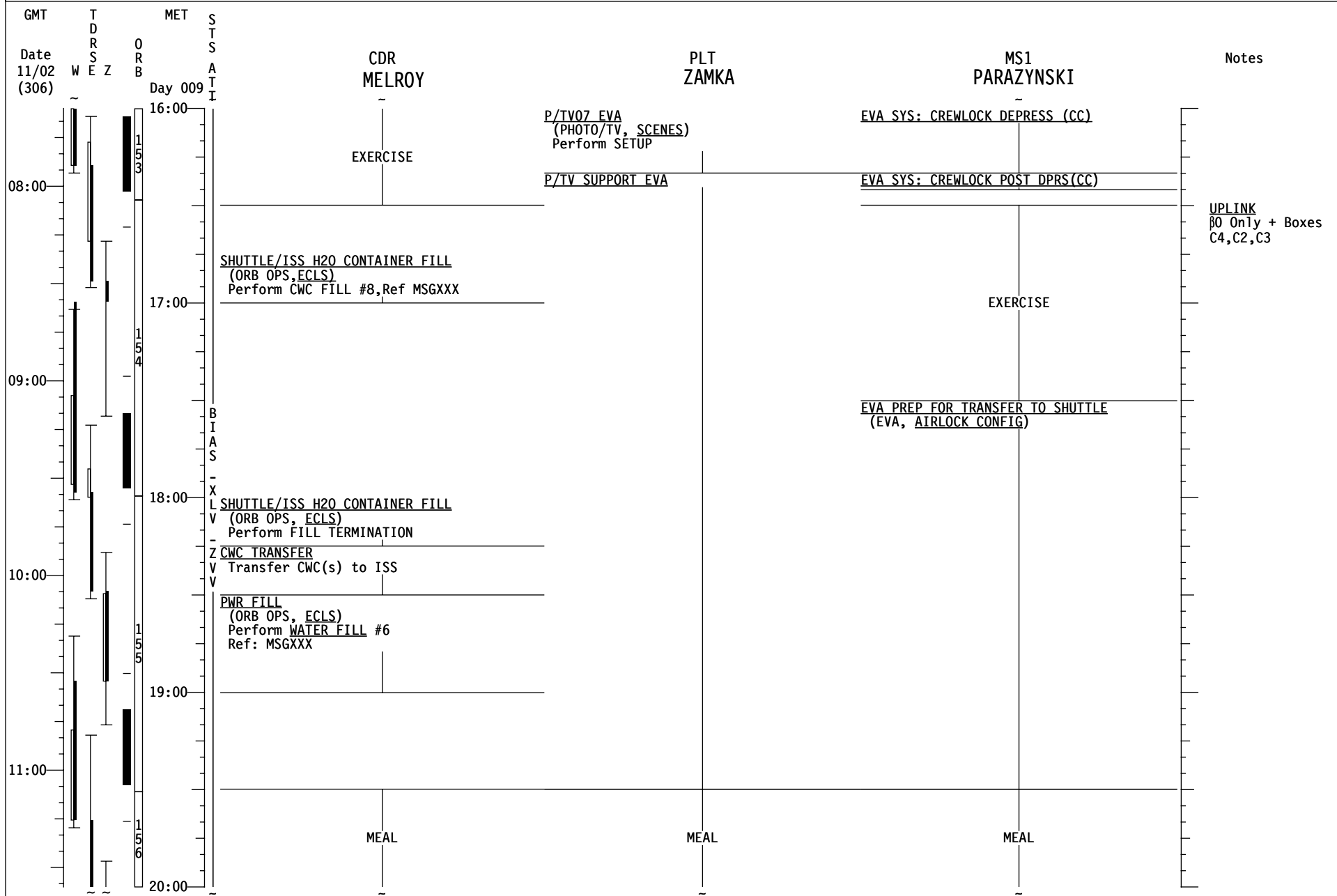
# STS-120 FD 11



# STS-120 FD 11

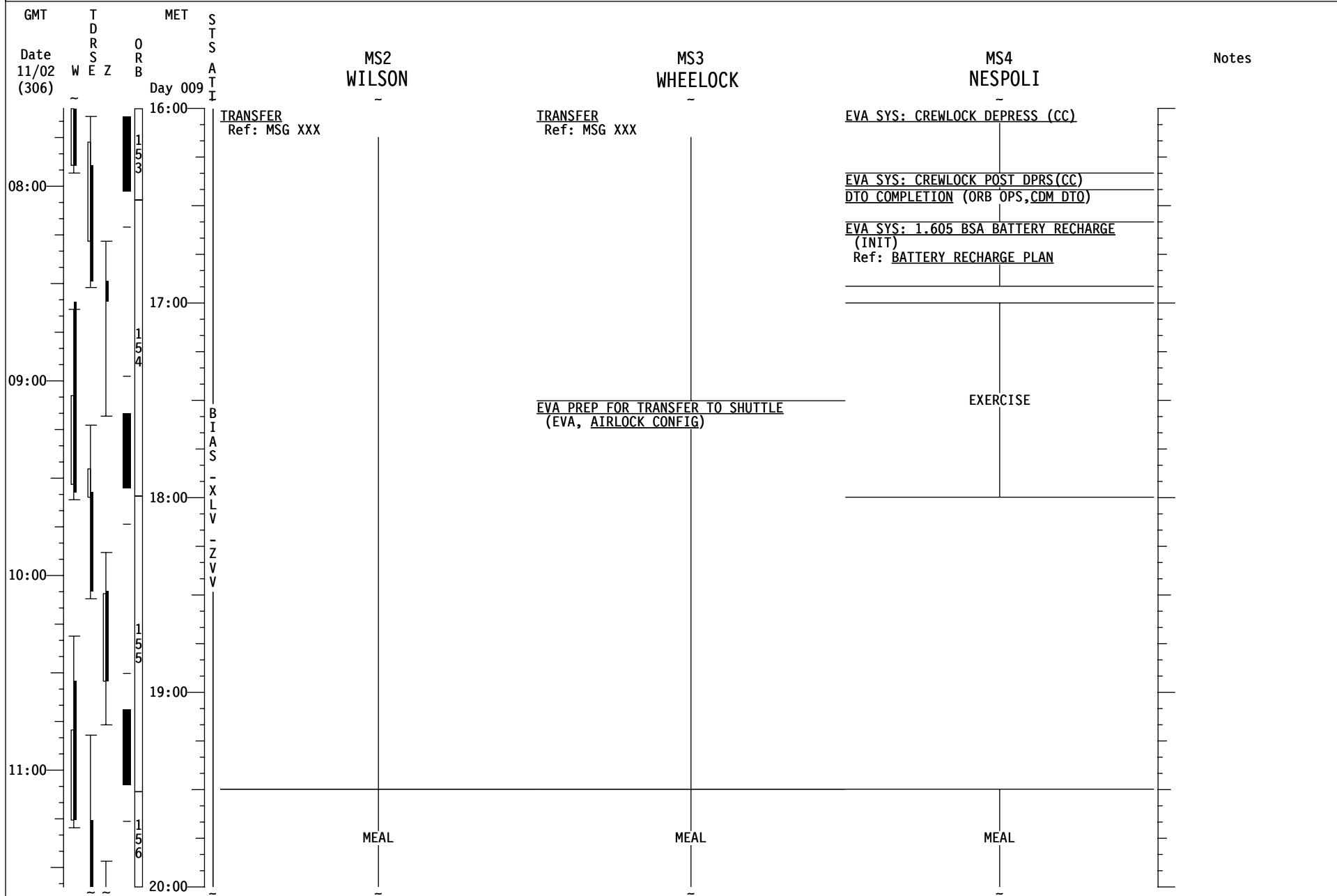


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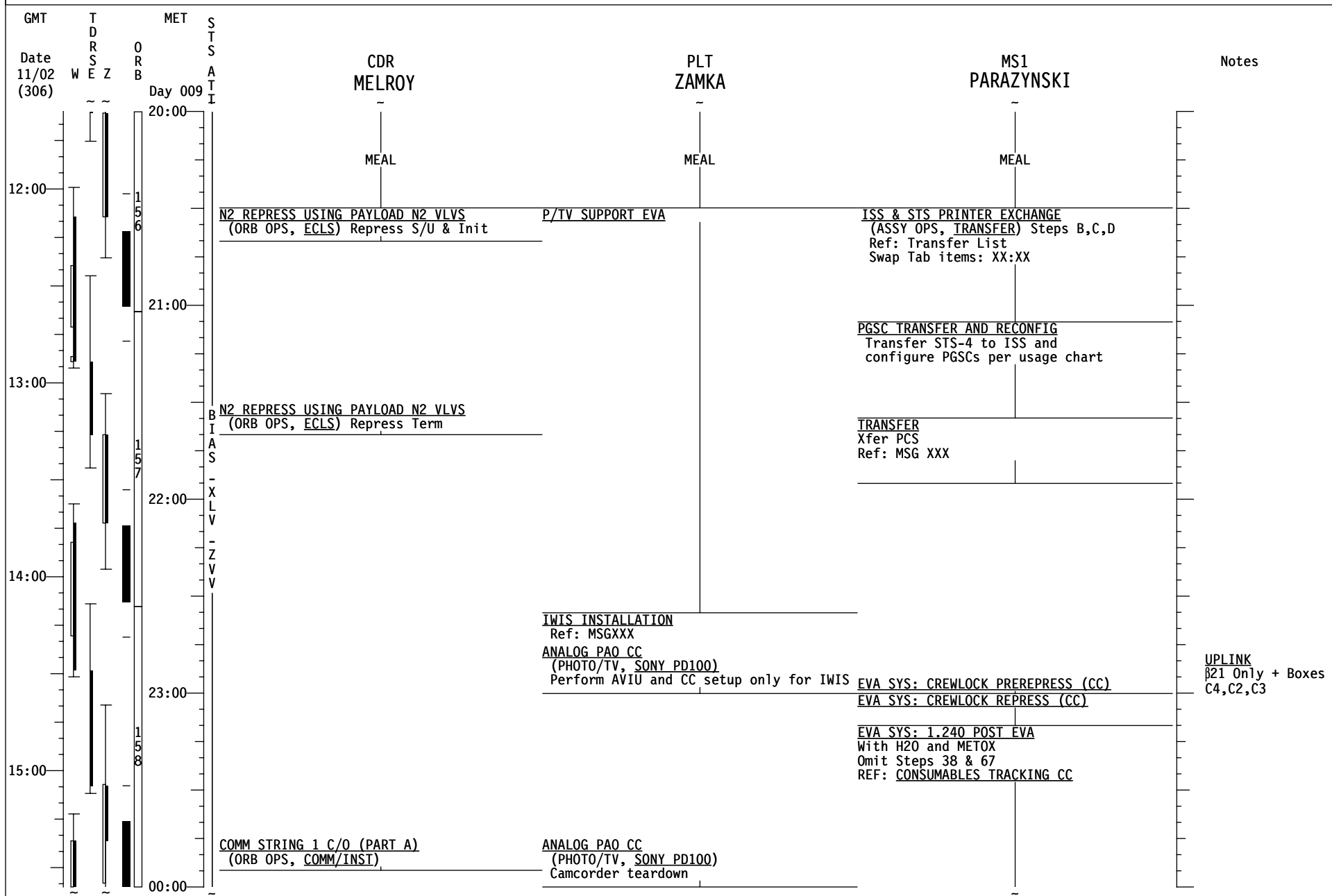




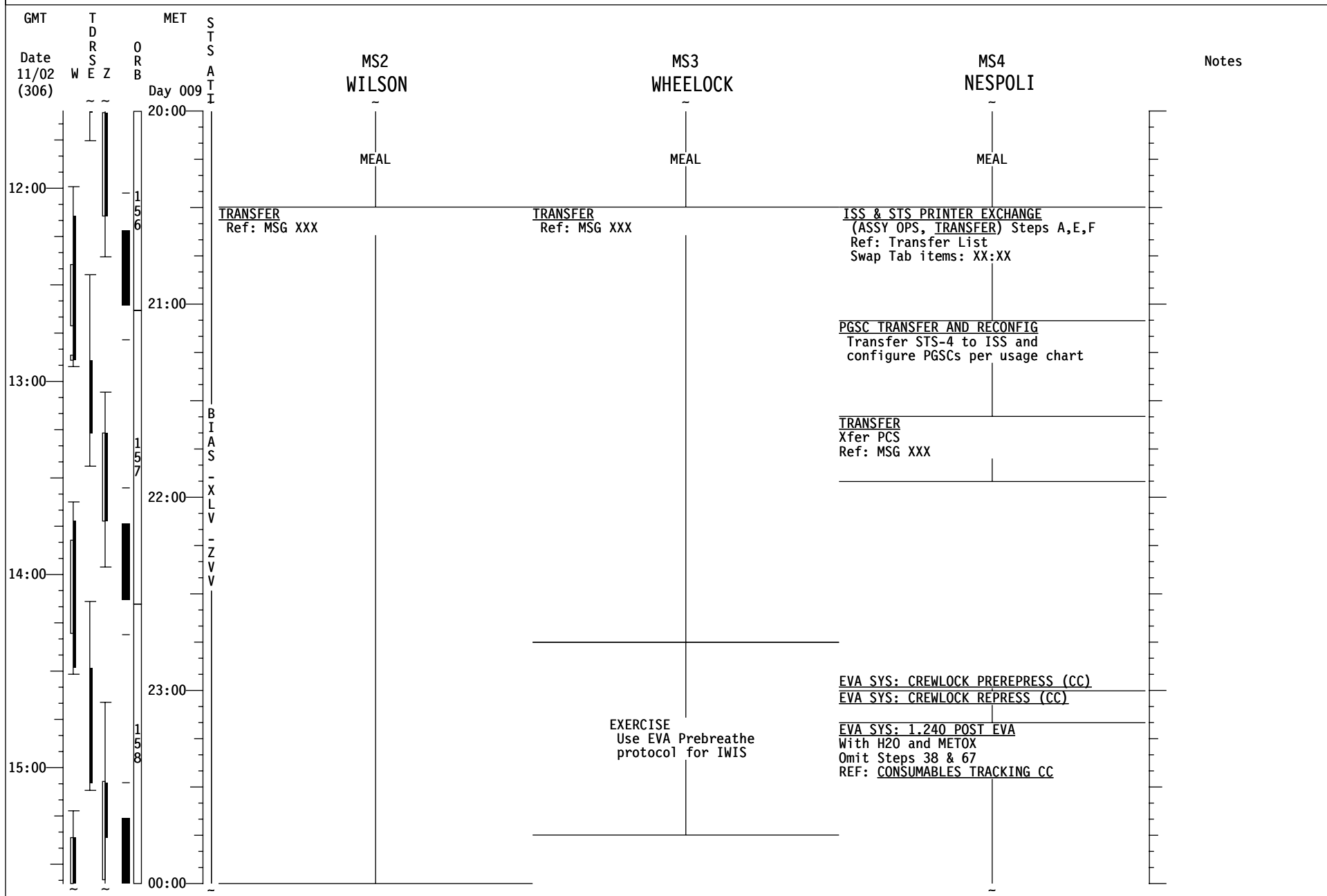
# STS-120 FD 11



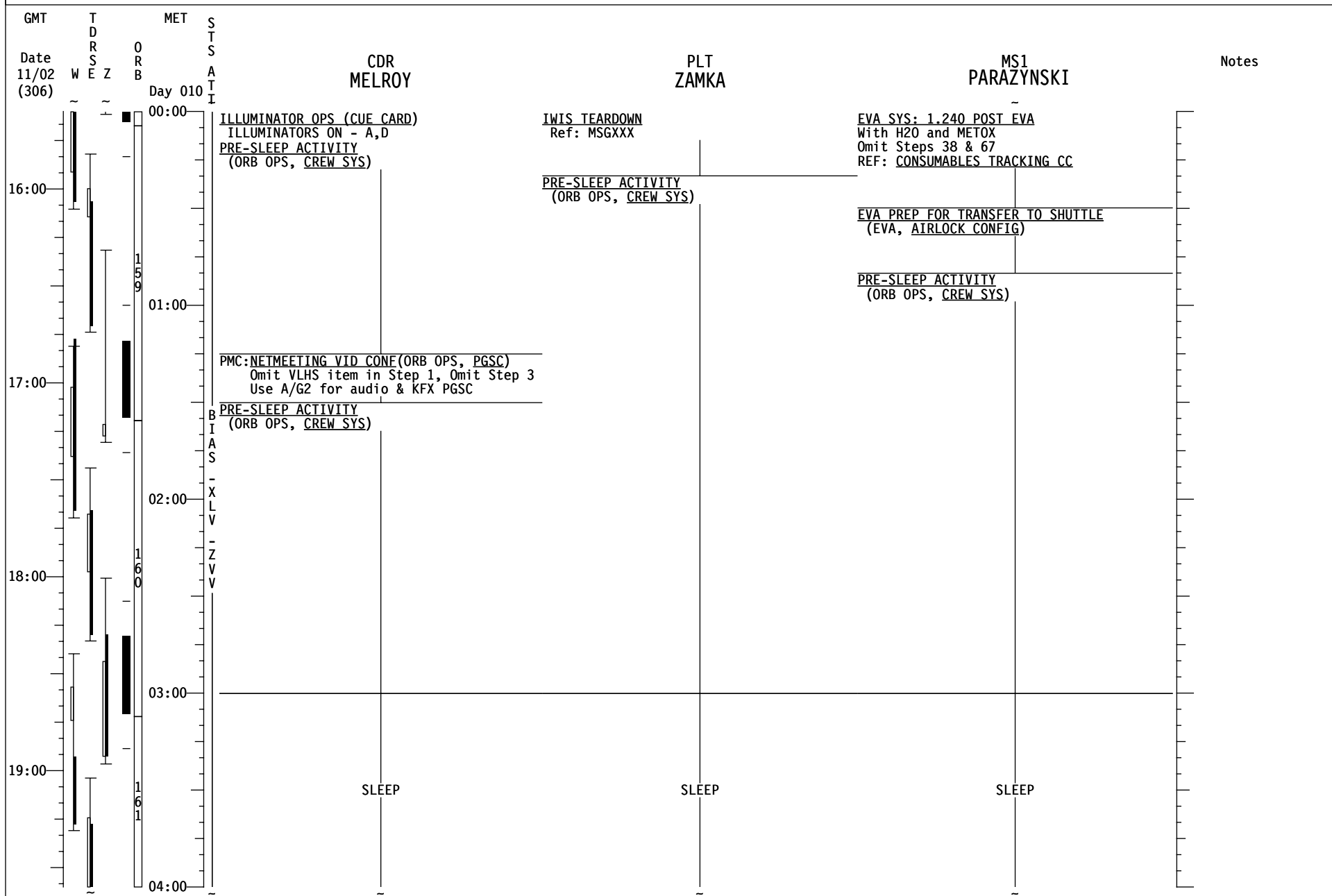
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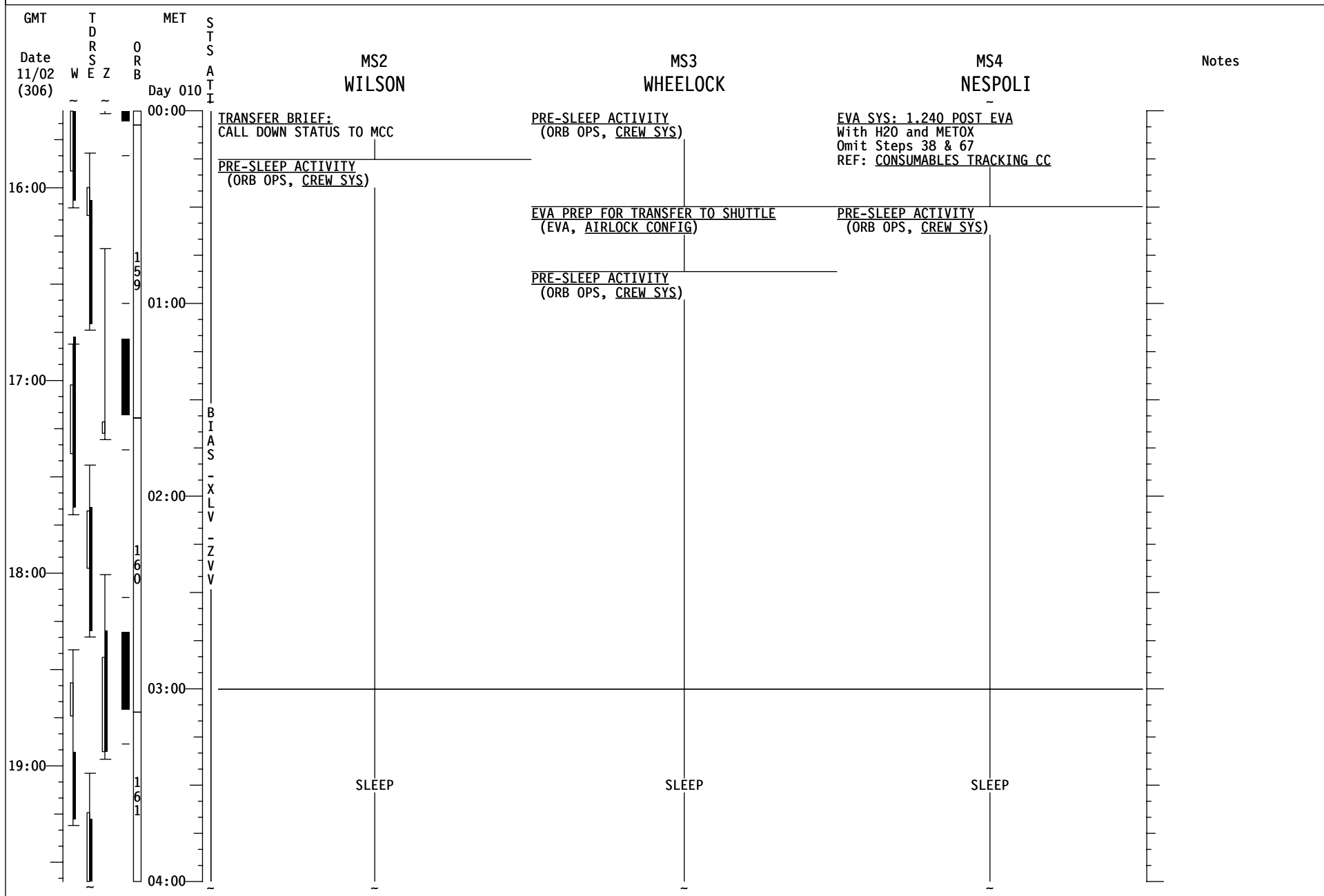
# STS-120 FD 11



# STS-120 FD 11

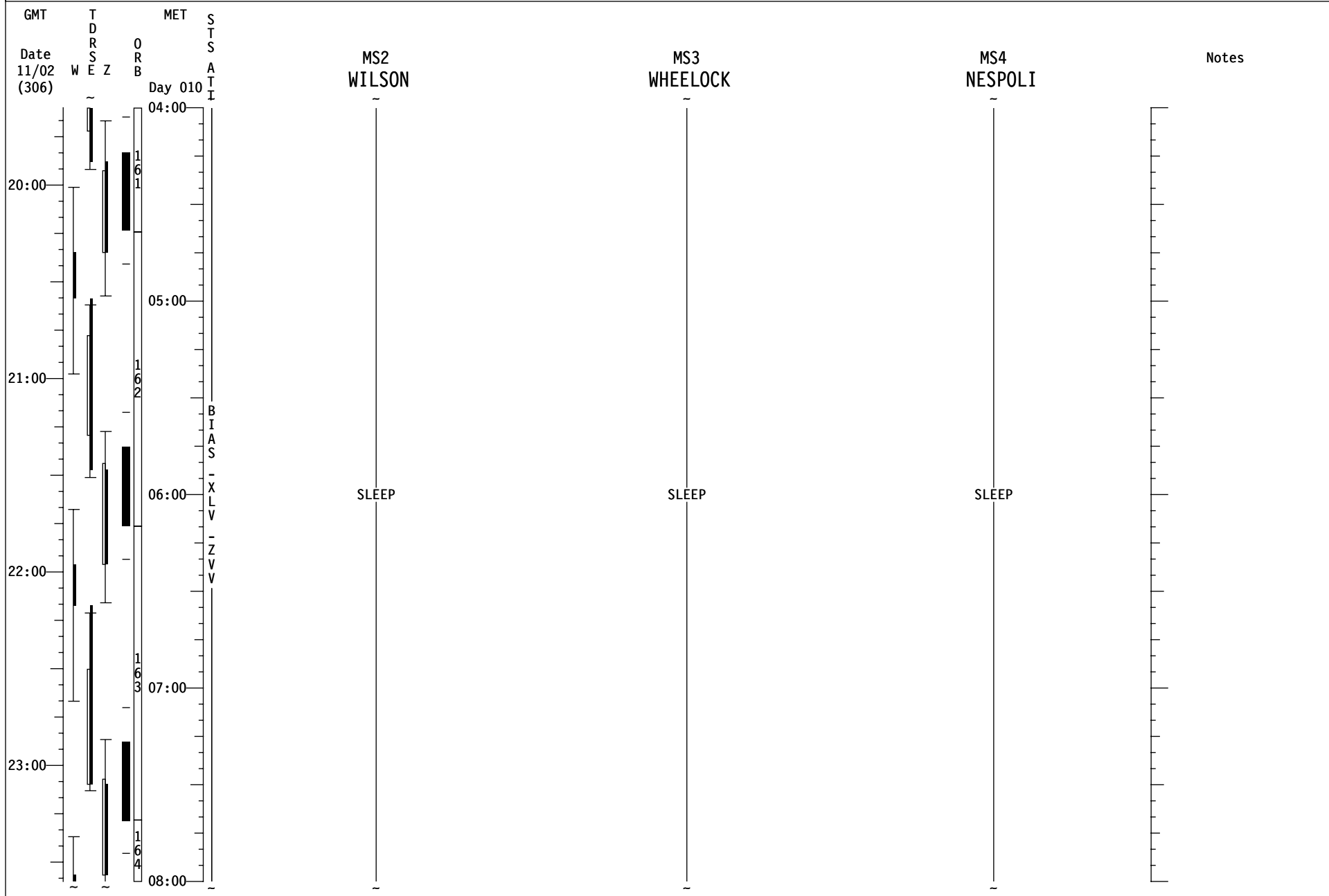


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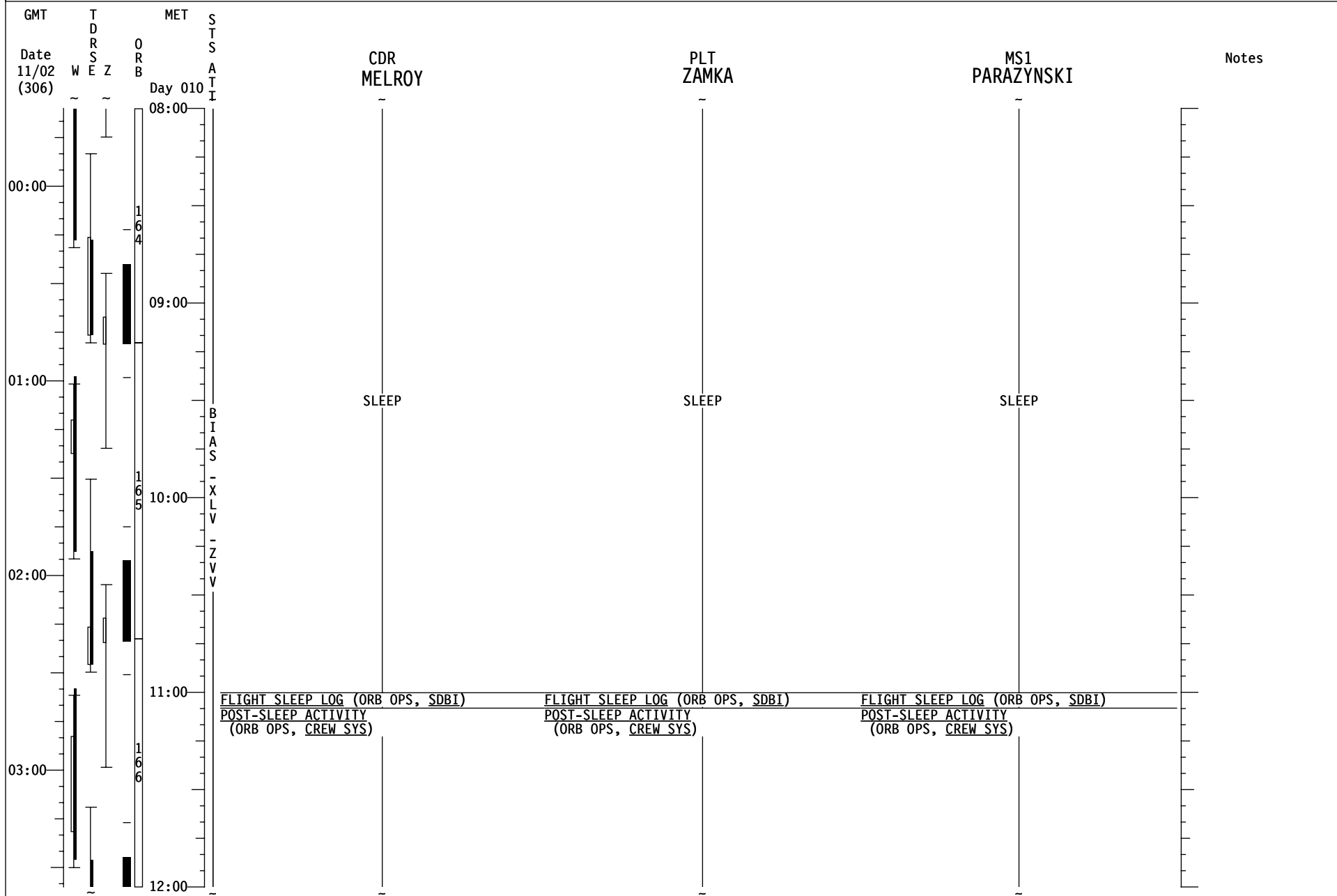




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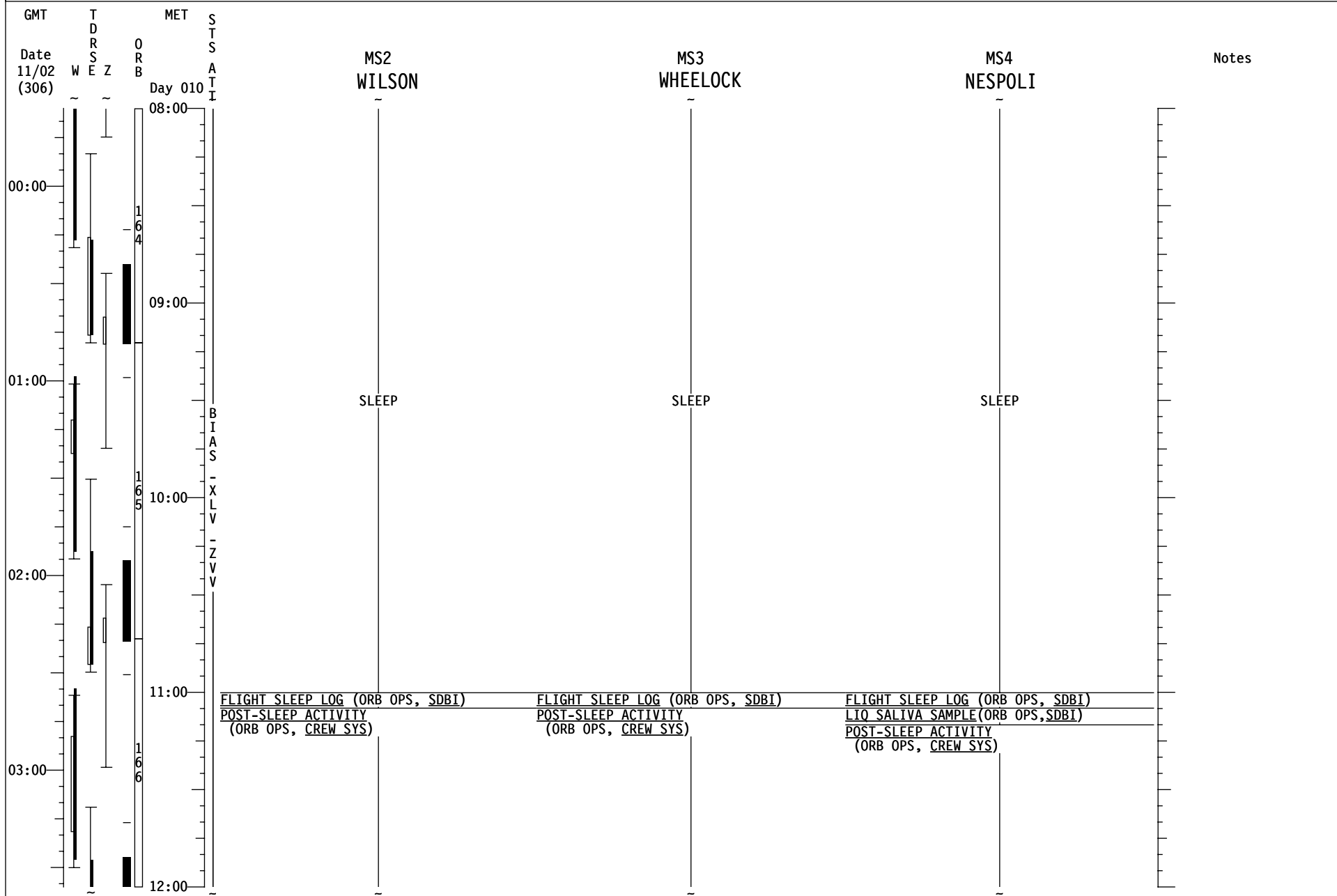


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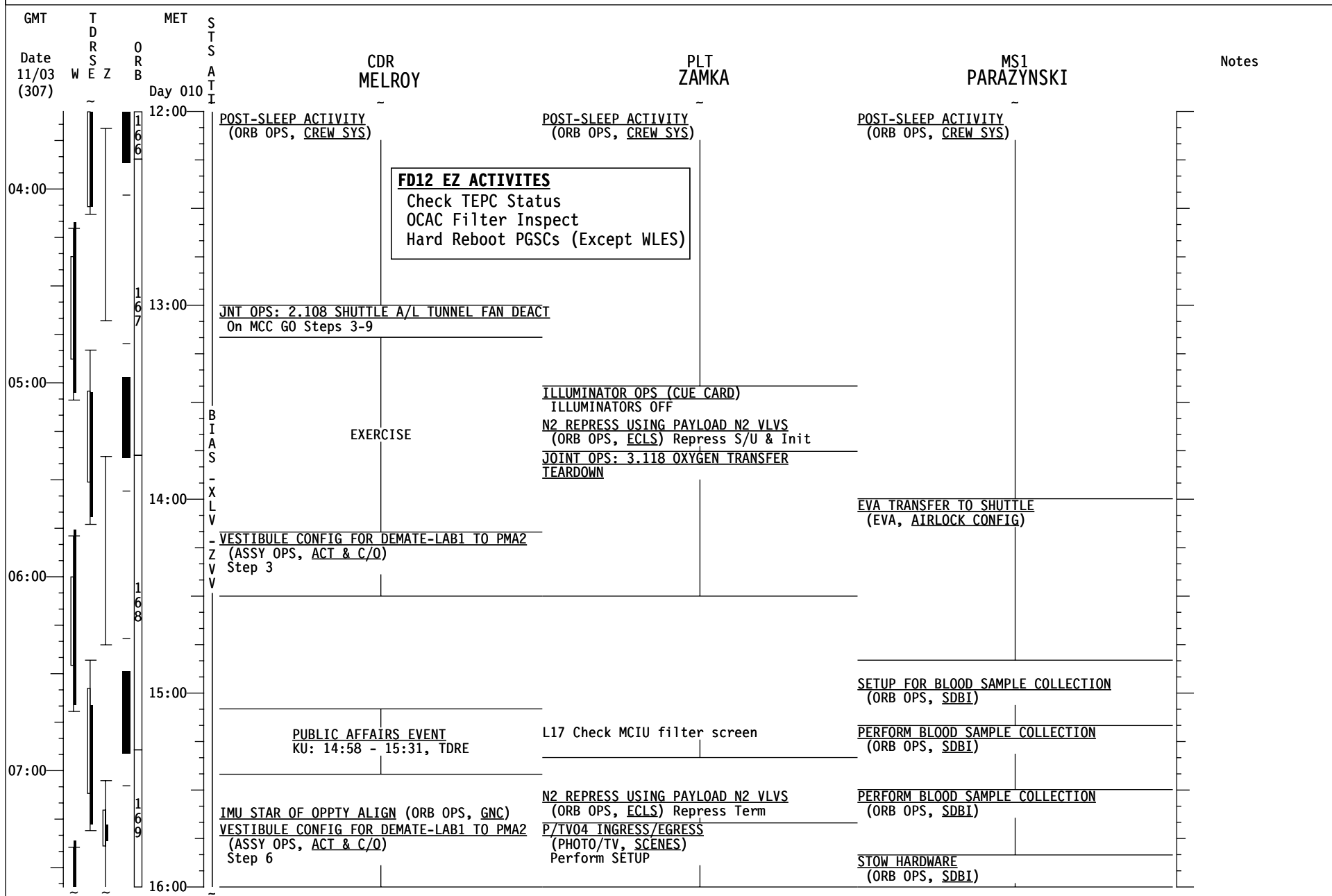




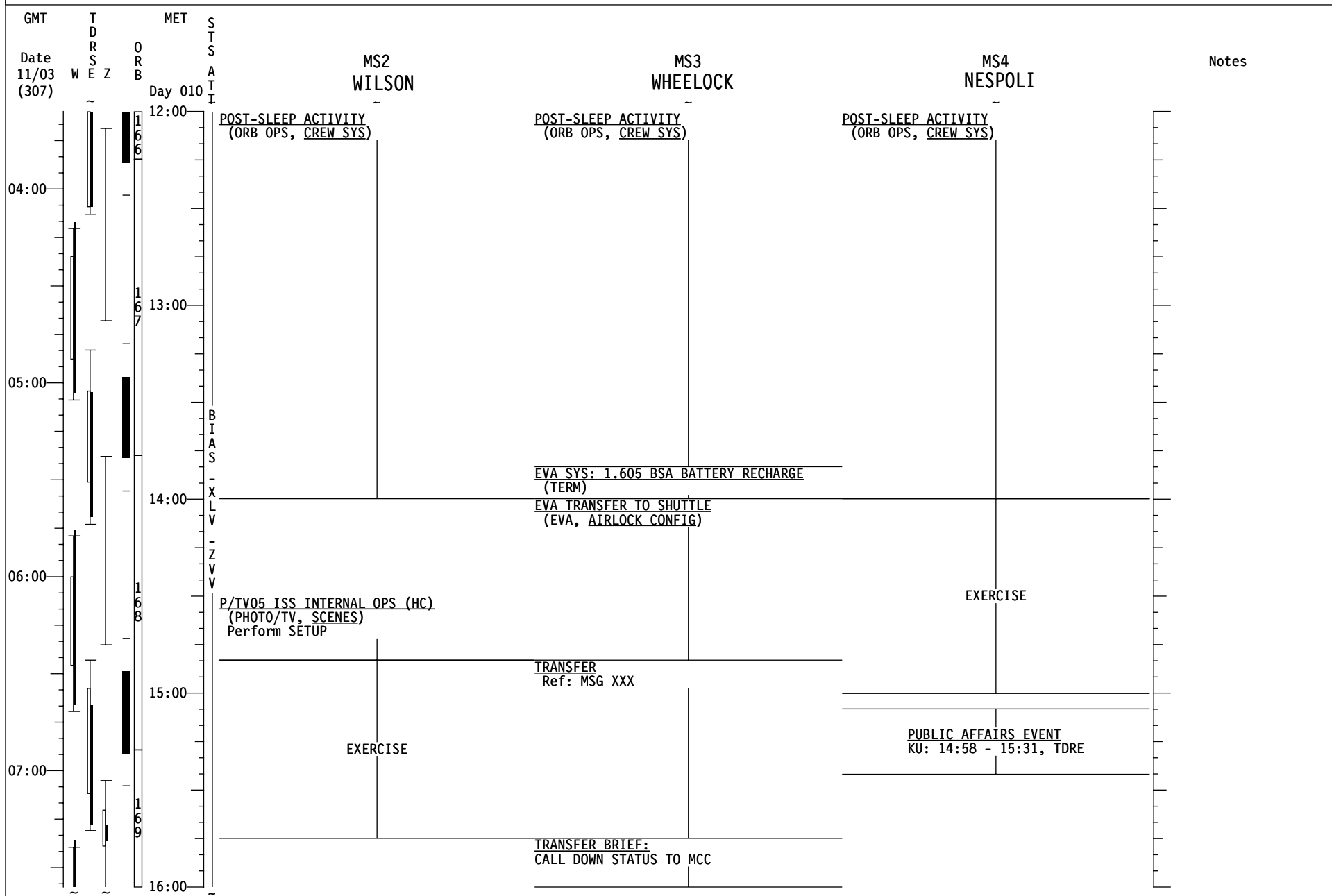
# STS-120 FD12



# STS-120 FD12



# STS-120 FD12



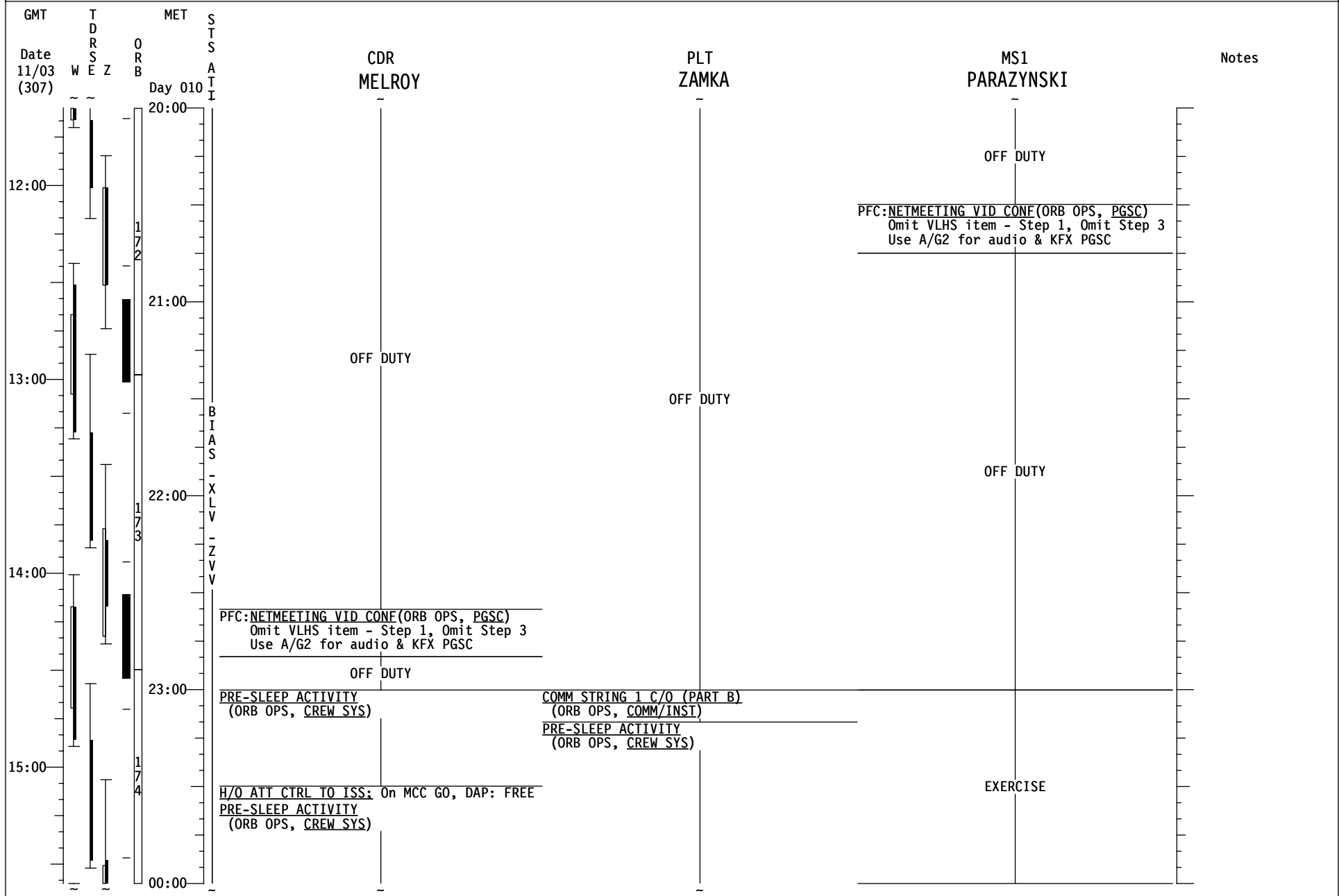
# STS-120 FD12

GMT	TDRSEZ	MET	SATS	CDR MELROY	PLT ZAMKA	MS1 PARAZYNSKI	Notes
Date 11/03 (307)	W E Z	Day 010	ORB				
08:00		16:00		MEAL	MEAL	MEAL	
		17:00		FAREWELL	FAREWELL	FAREWELL	
09:00				<u>JNT OPS: 4.103 DUCT REMOVAL AND HATCH CLOSE (BYPASS CONFIG)</u>	<u>P/TV05 INTERNAL OPS (PHOTO/TV, SCENES)</u> Perform Deact Step 2 <u>P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES)</u> Perform Ops	<u>RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)</u>	<u>UPLINK TFL 192</u>
		18:00		<u>JNT OPS: 3.110 H/O ATT CNTRL CMG TA TO ORB</u> <u>JNT OPS: 4.104 ODS VEST/PMA DPRS AND HATCH LEAK CHECK</u>			
10:00					EXERCISE		<u>UPLINK TFL 184</u>
		19:00		OFF DUTY	OFF DUTY	OFF DUTY	
11:00					<u>PFC:NETMEETING VID CONF(ORB OPS, PGSC)</u> Omit VLHS item - Step 1, Omit Step 3 Use A/G2 for audio & KFX PGSC		
		20:00			OFF DUTY		

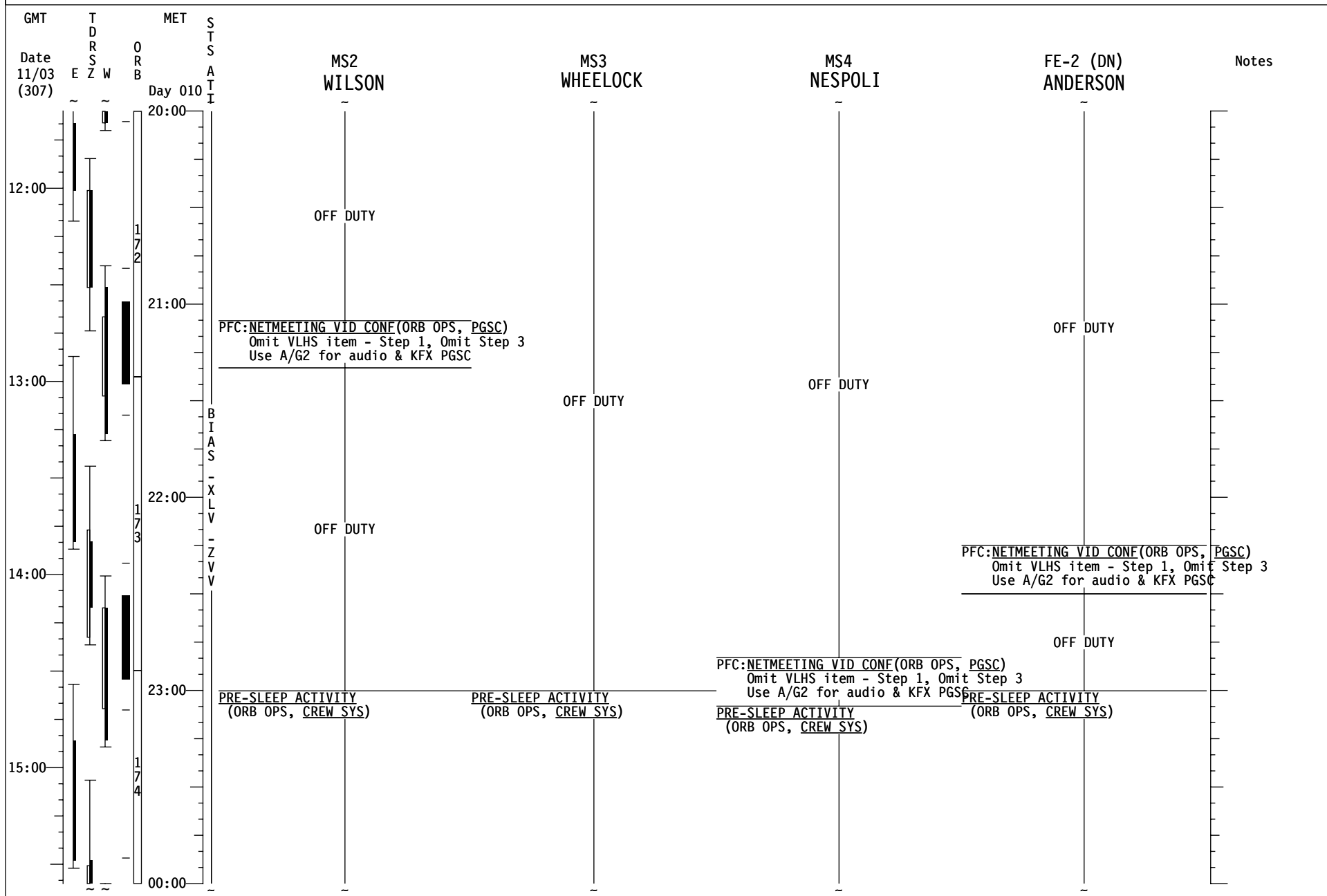
# STS-120 FD12

GMT	TDRS E Z W	MET ORB Day 010	S T S A T I	MS2 WILSON	MS3 WHELLOCK	MS4 NESPOLI	FE-2 (DN) ANDERSON	Notes
08:00		16:00		MEAL	MEAL	MEAL	MIDDAY-MEAL	
		17:00		FAREWELL	FAREWELL	FAREWELL	FAREWELL	
09:00		17:00		<u>JNT OPS: 4.103 DUCT REMOVAL AND HATCH CLOSE (BYPASS CONFIG)</u>		<u>RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)</u>		
		18:00			EXERCISE			
10:00		18:00		<u>JNT OPS: 4.104 ODS VEST/PMA DPRS AND HATCH LEAK CHECK</u>				
		19:00			OFF DUTY		EXERCISE	
11:00		19:00		OFF DUTY	<u>PFC: NETMEETING VID CONF (ORB OPS, PGSC) Omit VLHS item - Step 1, Omit Step 3 Use A/G2 for audio &amp; KFX PGSC</u>			
		20:00			OFF DUTY	OFF DUTY	OFF DUTY	

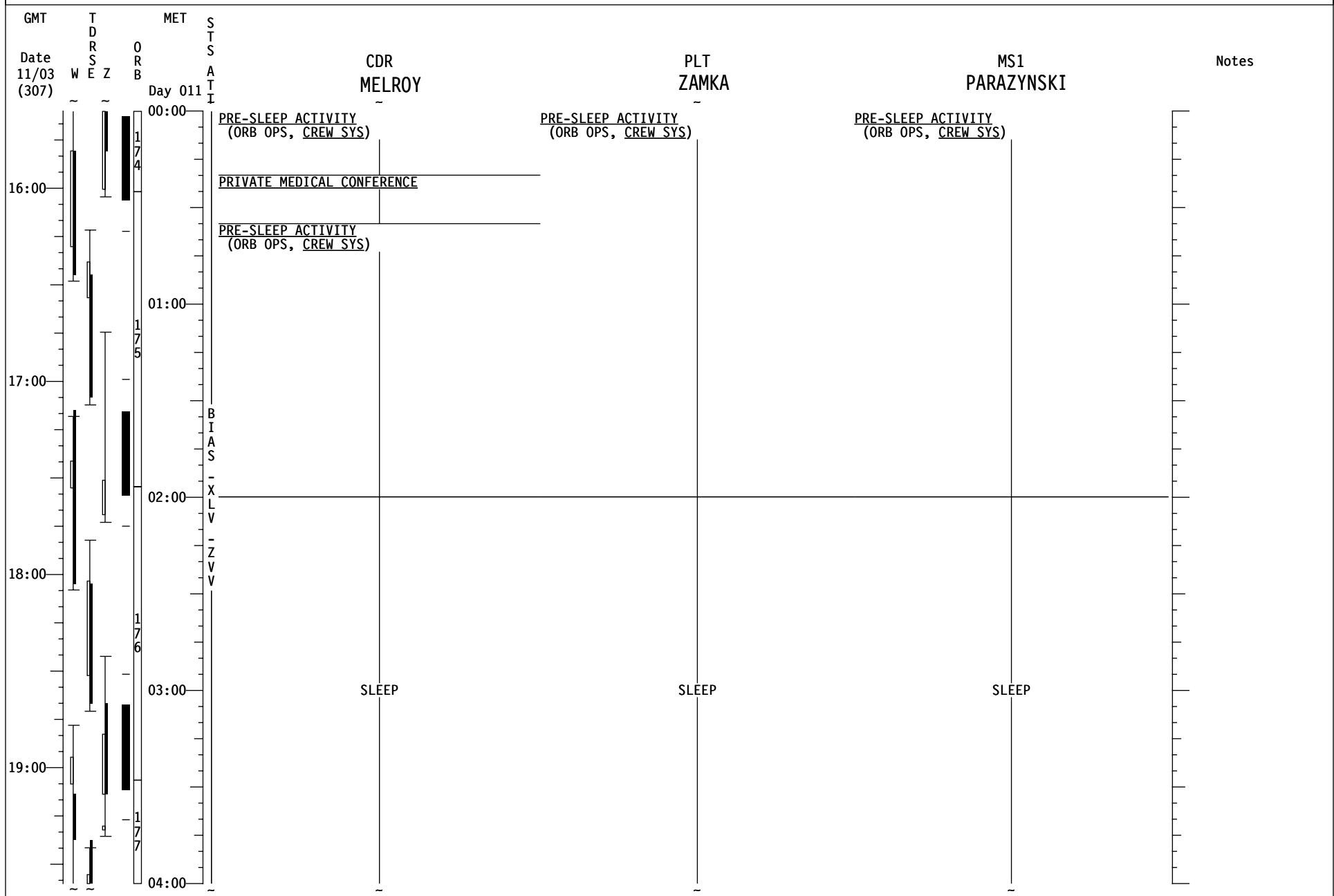
# STS-120 FD12



# STS-120 FD12

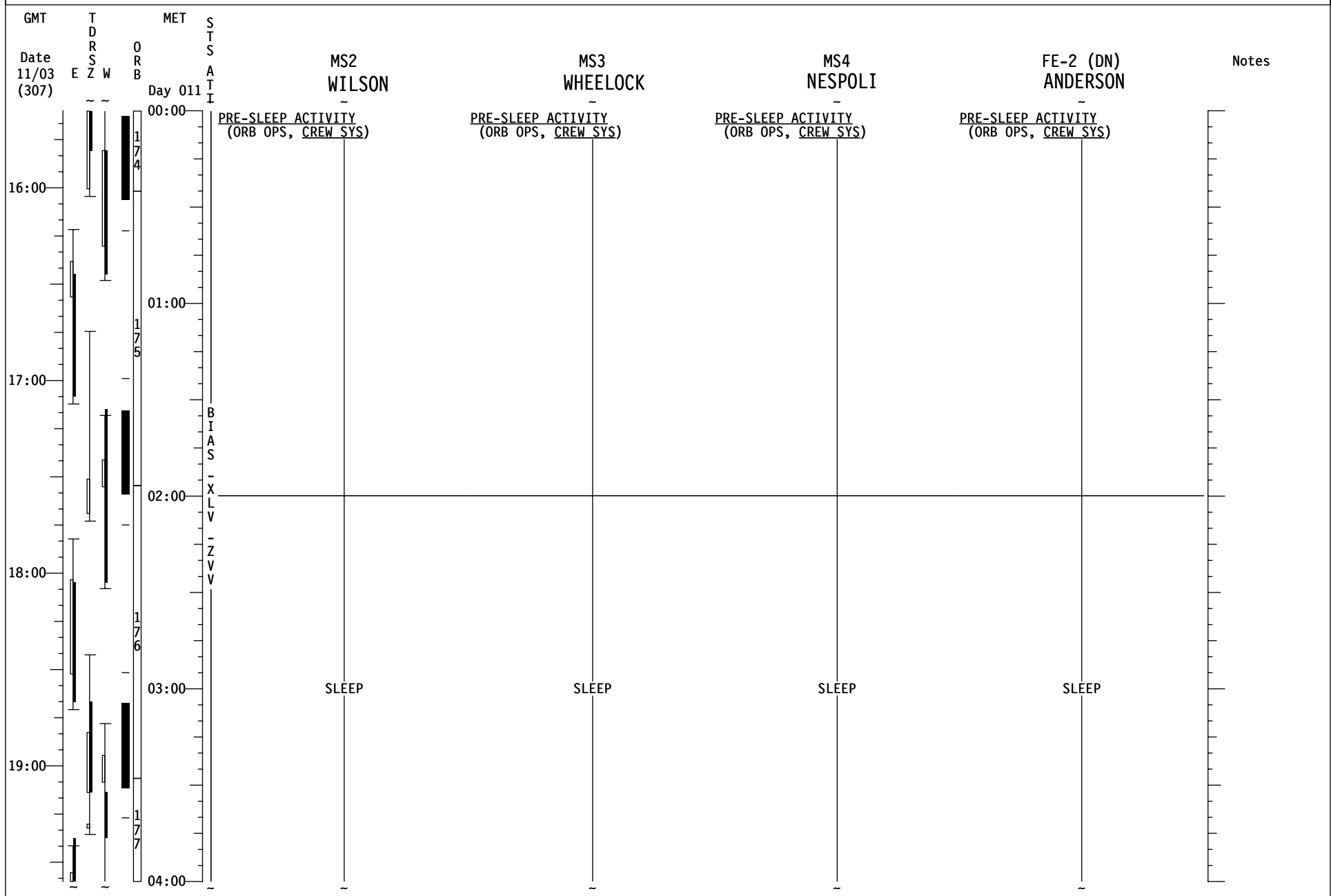


# STS-120 FD12



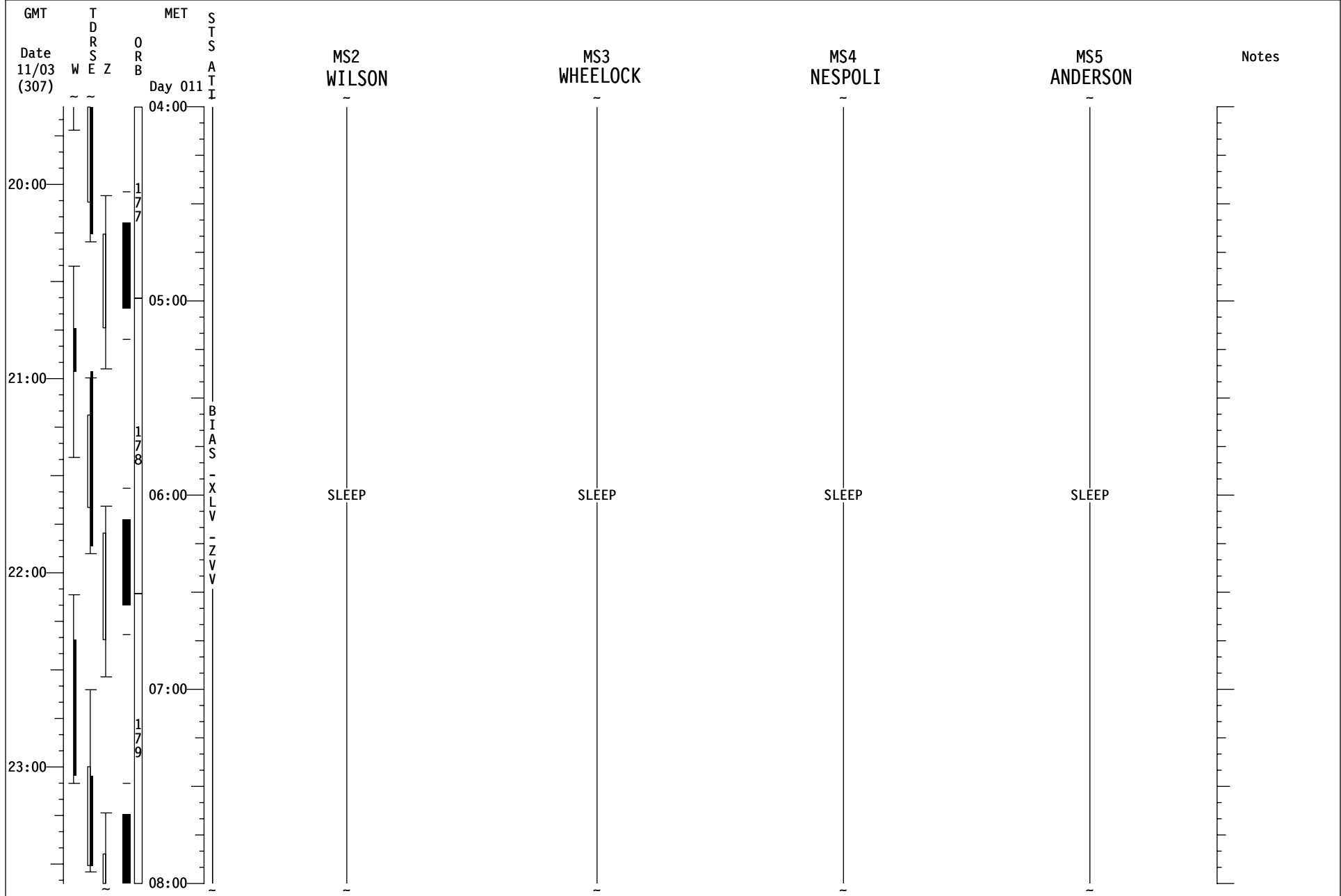


# STS-120 FD12

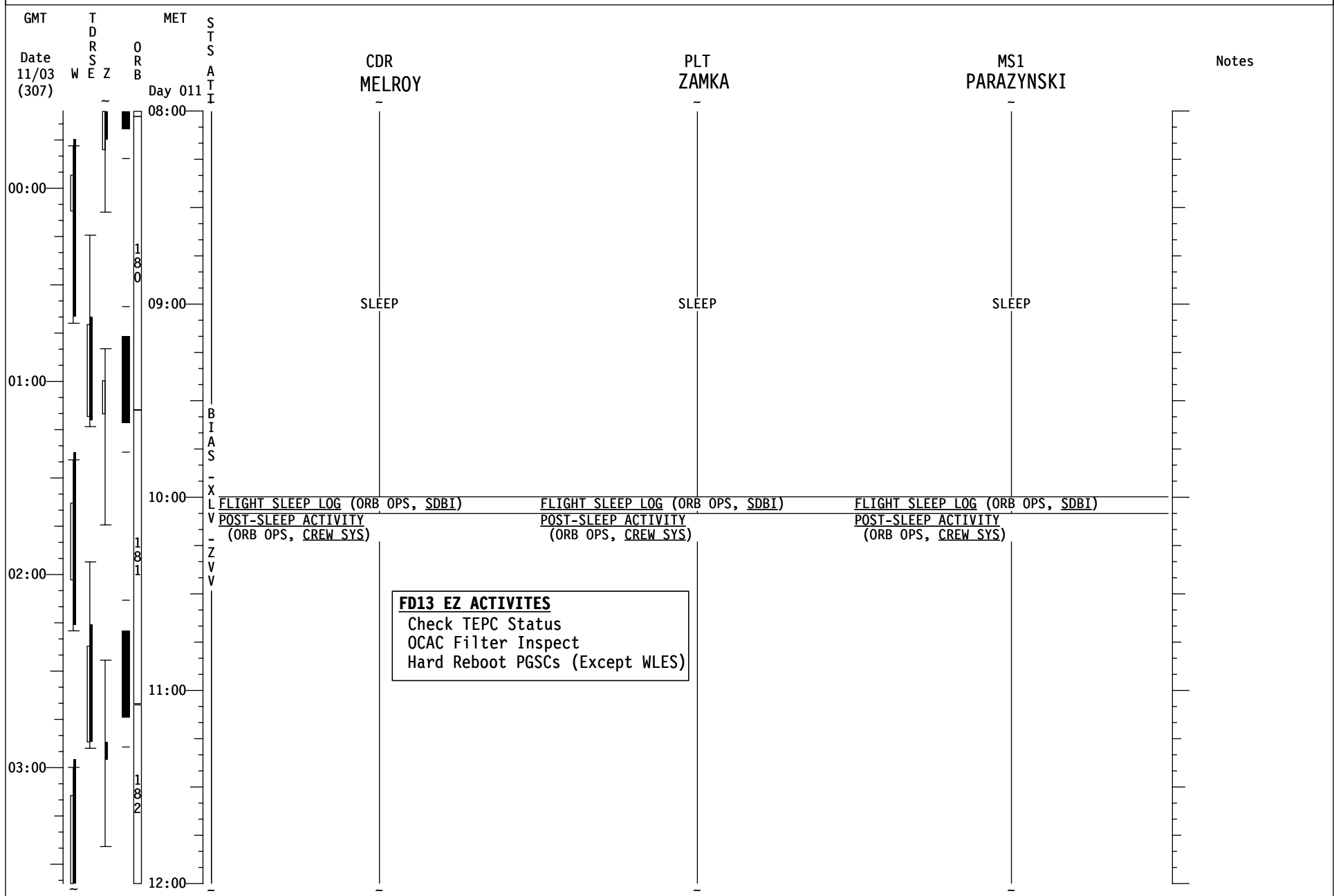




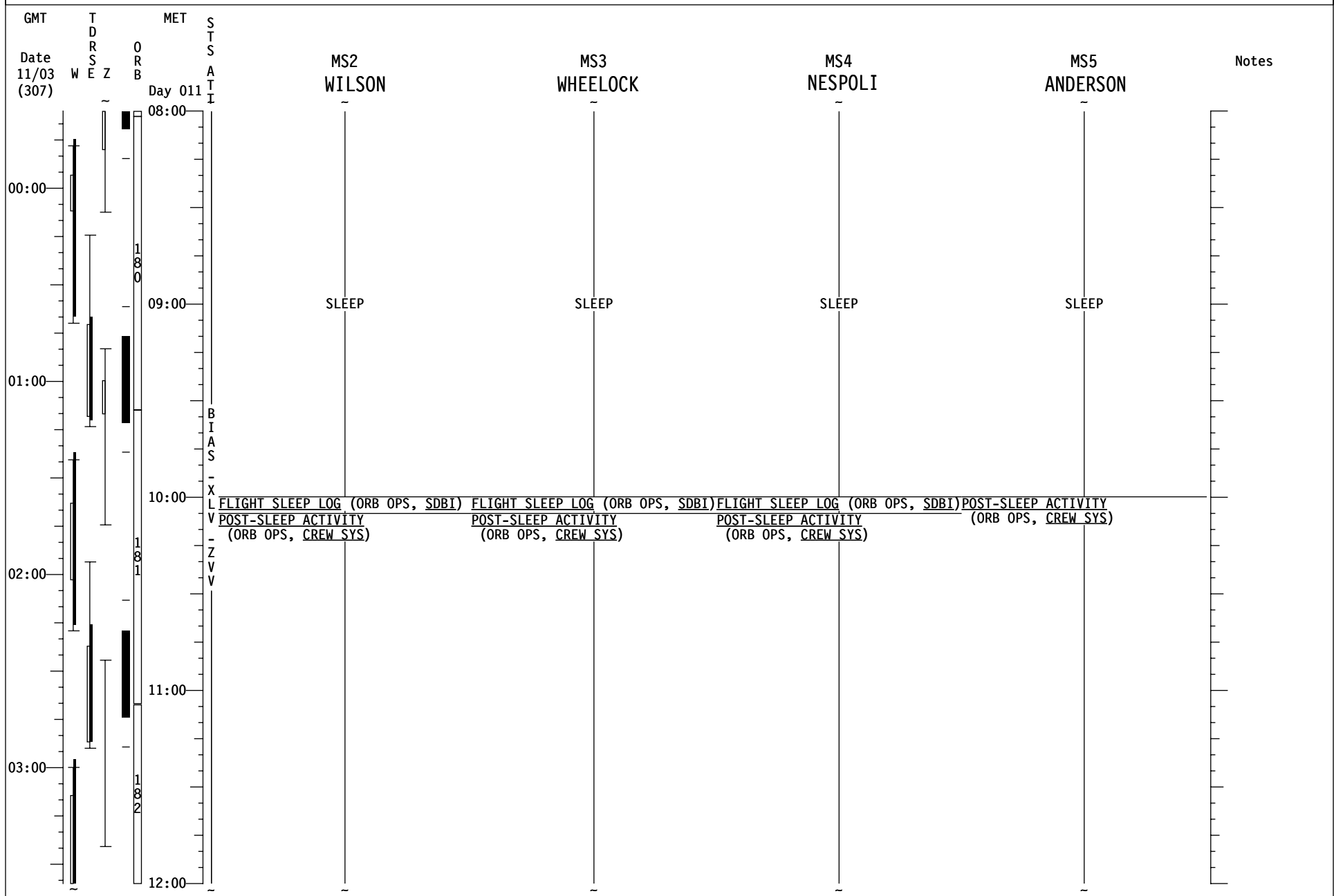
# STS-120 FD12



# STS-120 FD13



# STS-120 FD13



# STS-120 FD13

GMT	T D R S E Z	MET	S T S A T I	R3 CDR MELROY	R2, R1 PLT ZAMKA	R1 MS1 PARAZYNSKI	Notes
Date 11/04 (308)	W E Z	Day 011	ORB				
12:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
04:00				PRIOR PWRUP GRP B (OPCL, PRIOR PWRDN) 06 S TRK PWR-Z-ON Steps 12,6 (In Step 12, Recover IMU 1) (In Step 6, Triple G2)	PRIOR PWRUP GRP B (OPCL, PRIOR PWRDN) 06 S TRK PWR-Z-ON Steps 12,6 (In Step 12, Recover IMU 1) (In Step 6, Triple G2)		
				JNT OPS: 3.110 H/O ATT CONTROL CMG TA TO ORB	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
				MNVR (TRK) -XLV +ZVV (UNDOCK) TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN On MCC Go, Init TRK	SSV OUTFATE - 3		
13:00				UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	A8L PORT RMS HTR A,B (two)-AUTO UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
05:00							
				<b>&lt; UNDOCK 13:53</b>			
14:00				SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
06:00							
				<b>&lt;SEP1, 15:08</b>			
07:00				<b>&lt;SEP2, 15:36</b>			
16:00				MNVR (TRK) -ZLV +YVV (H2O DUMP) TG=2 BV=3 OM=270 A1/AUTO/VERN Init TRK	SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform TEARDOWN	POST UNDOCK PGSC CONFIG Configure PGSCs per Usage Chart	UPLINK B21 Only + Box B1

# STS-120 FD13

GMT	TDRSEZ	MET	SATS	R2, R1 MS2 WILSON	MS3 WHEELOCK	R2, R1 MS4 NESPOLI	MS5 ANDERSON	Notes
Date 11/04 (308)	W E Z	Day 011	ORB					
12:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
04:00				C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Perform Step 1 only	C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Perform Step 1 only		P/TV03 UNDOCK (PHOTO/TV, SCENES) Perform SETUP	
13:00				UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	P/TV03 UNDOCK (PHOTO/TV, SCENES) Perform OPS	
05:00								
				<b>&lt; UNDOCK 13:53</b>				
14:00				SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		
06:00								
15:00								
07:00								
16:00				RMS PWRUP (PDRS, RMS PWRUP)	SSV OUTFATE - 4 SSP1 OIU PWR - OIU 1 OFF, √tb-bp Expect S62 BCE BYP PSP1 msg.	JNT OPS: 6.106 SSOR DEACTIVATION	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) UNDOCK, KU TDRE (15:11-15:52)	

# STS-120 FD13

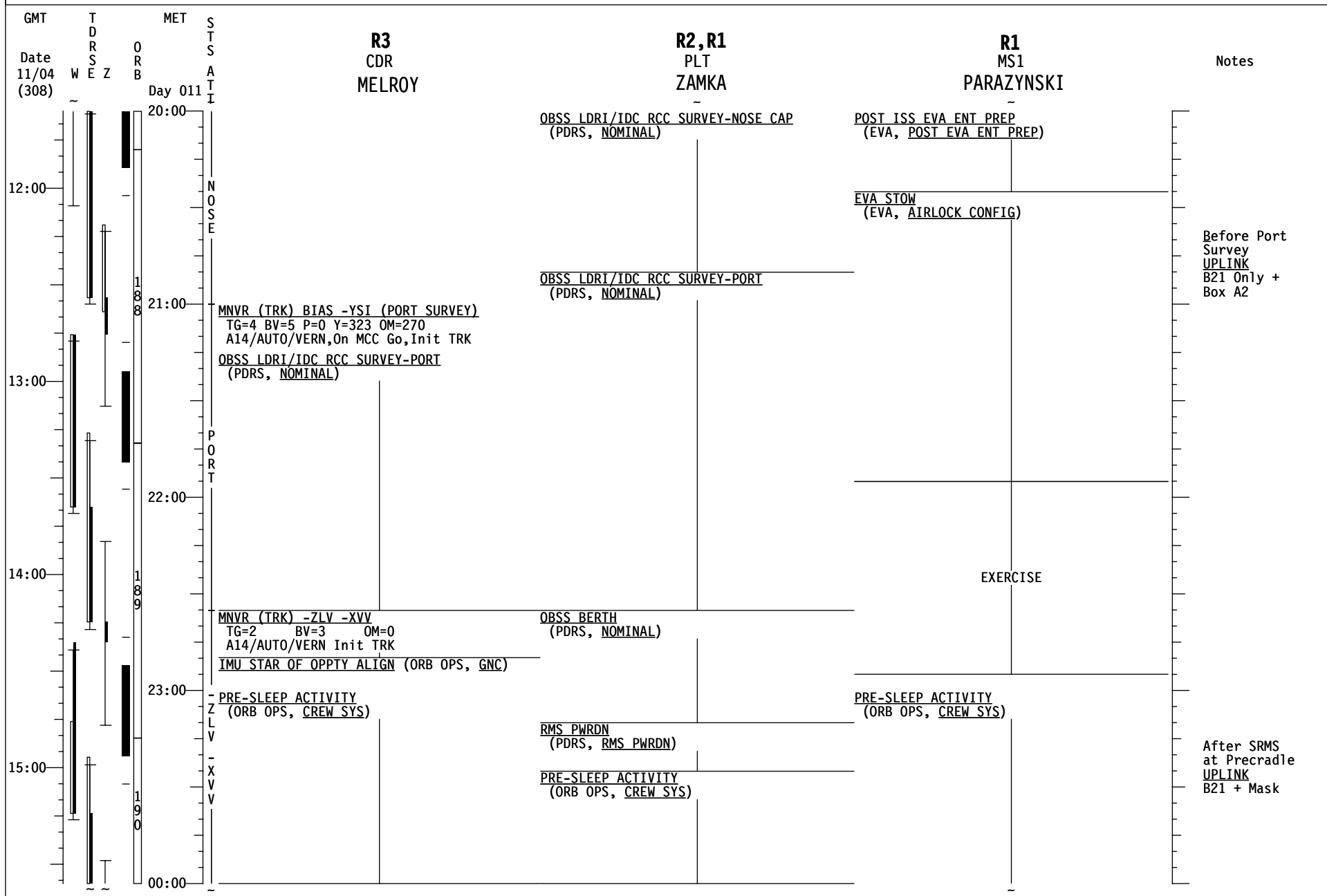
GMT	TDRSEZ	MET	SATS	R3 CDR MELROY	R2, R1 PLT ZAMKA	R1 MS1 PARAZYNSKI	Notes
Date 11/04 (308)	W E Z	Day 011	OR B				
08:00		16:00		<u>PRIOR PWRDN GRP B (OPCL, PRIOR PWRDN)</u> Steps 5,6,9,10,12 (In step 6, Single G2) (In step 12, IMU 1 STBY -ITEM 21 EXEC)	<u>SUPPLY/WASTE WATER DUMP</u> (ORB OPS, ECLS) Initiate Supply/Waste Dump	<u>POST UNDOCK PGSC CONFIG</u> Configure PGSCs per Usage Chart	UPLINK B21 + Mask
				MEAL	MEAL	MEAL	
09:00		17:00		<u>HEATER RECONFIG-CONFIG B (ORB OPS, EPS)</u> A12 <u>APU HTR GAS GEN/FUEL PUMP 2 B-AUTO</u> <u>CABIN TEMP CONTROLLER RECNFG 2(1)</u> (ORB OPS, ECLS)	<u>SUPPLY/WASTE WATER DUMP</u> (ORB OPS, ECLS) Terminate Supply/Waste Dump	<u>OBSS UNBERTH</u> (PDRS, NOMINAL) In step 2 for APCU: √ APCU 2 CONV - OFF √ OUTPUT - OFF	UPLINK TFL 188 Before OBSS Unberth UPLINK B21 Only + Box A2
				<u>MNVR (TRK) BIAS +YSI (STBD SURVEY)</u> TG=4 BV=5 P=0 Y=40 OM=185 A14/AUTO/VERN, On MCC Go, Init TRK	EXERCISE	<u>OBSS LDRI/IDC RCC SURVEY-STBD</u> (PDRS, NOMINAL)	Before STBD Wing Survey UPLINK B21 Only + Box A3
10:00		18:00		EXERCISE			
11:00		19:00					
20:00		20:00		<u>MNVR (TRK) BIAS +XSI (NC SURVEY)</u> TG=4 BV=5 P=330 Y=0 OM=220 A14/AUTO/VERN, On MCC Go, Init TRK	<u>OBSS LDRI/IDC RCC SURVEY-NOSE CAP</u> (PDRS, NOMINAL)	<u>POST ISS EVA ENT PREP</u> (EVA, POST EVA ENT PREP)	After SRMS in Nose Cap ACAS position UPLINK B13 Only



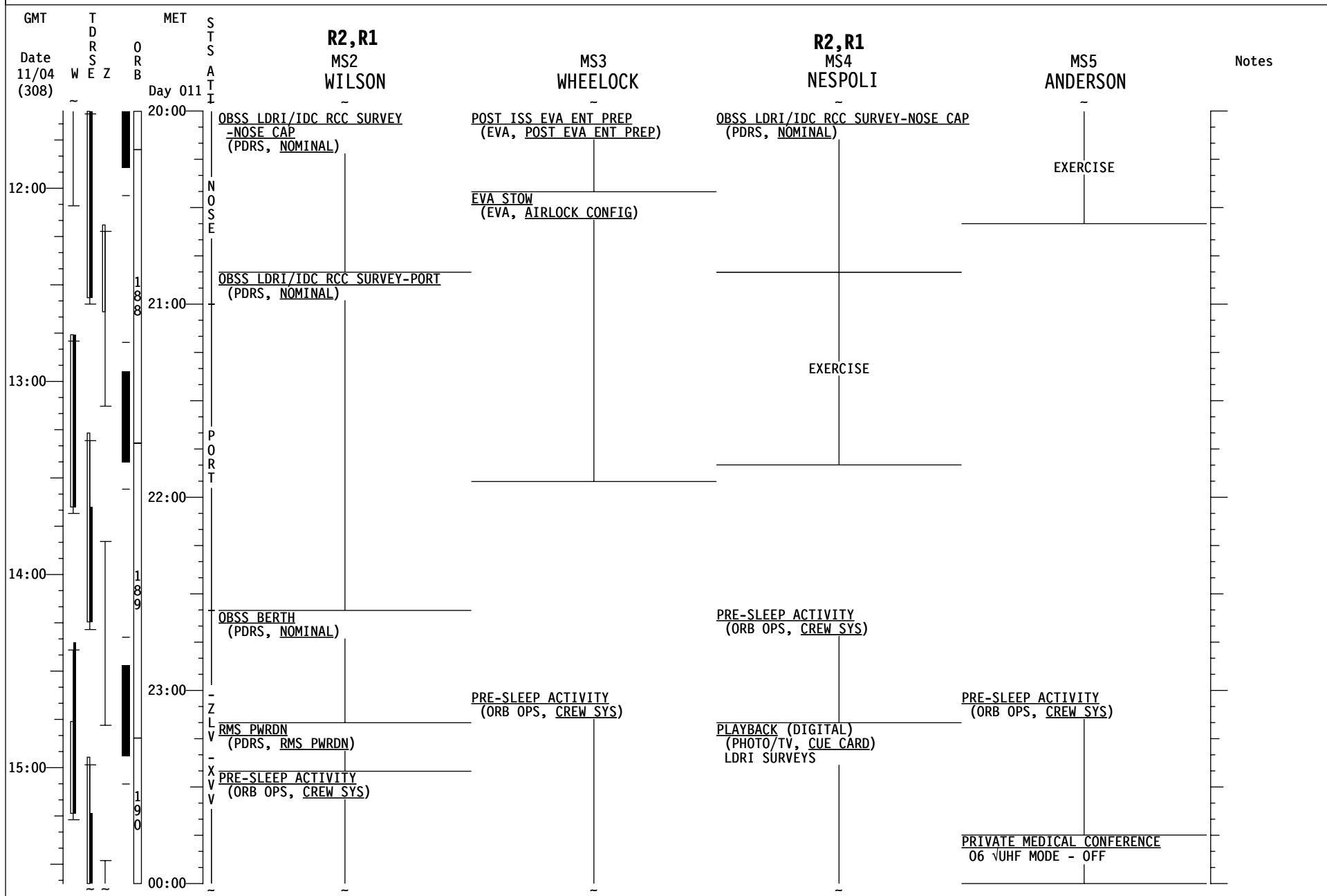
# STS-120 FD13

GMT	TDRSEZ	MET	SATS	Crew	Crew	Crew	Notes
Date 11/04 (308)	W E Z	Day 011	ORBIT	<b>R2, R1</b> MS2 WILSON	MS3 WHEELOCK	<b>R2, R1</b> MS4 NESPOLI	MS5 ANDERSON
16:00				<u>PRIOR PWRDN GRP B (OPCL, PRIOR PWRDN)</u> Steps 5,6,9,10,12 (In step 6, Single G2) (In step 12, IMU 1 STBY -ITEM 21 EXEC)		<u>JNT OPS: 6.106 SSOR DEACTIVATION</u> L17 Check MCIU filter screen	<u>P/TVO3 UNDOCK (DEACT)</u> (PHOTO/TV, SCENES) Deact
08:00				MEAL	MEAL	MEAL	MEAL
09:00					<u>EMU INSTALLATION</u> (EVA, AIRLOCK CONFIG)	<u>OBSS UNBERTH</u> (PDRS, NOMINAL) In step 2 for APCU: √ APCU 2 CONV - OFF √ OUTPUT - OFF	<u>EMU INSTALLATION</u> (EVA, AIRLOCK CONFIG)
10:00				<u>OBSS LDRI/IDC RCC SURVEY-STBD</u> (PDRS, NOMINAL)		<u>OBSS LDRI/IDC RCC SURVEY-STBD</u> (PDRS, NOMINAL)	
11:00					EXERCISE		
20:00				<u>OBSS LDRI/IDC RCC SURVEY</u> -NOSE CAP (PDRS, NOMINAL)	<u>POST ISS EVA ENT PREP</u> (EVA, POST EVA ENT PREP)	<u>OBSS LDRI/IDC RCC SURVEY-NOSE CAP</u> (PDRS, NOMINAL)	EXERCISE

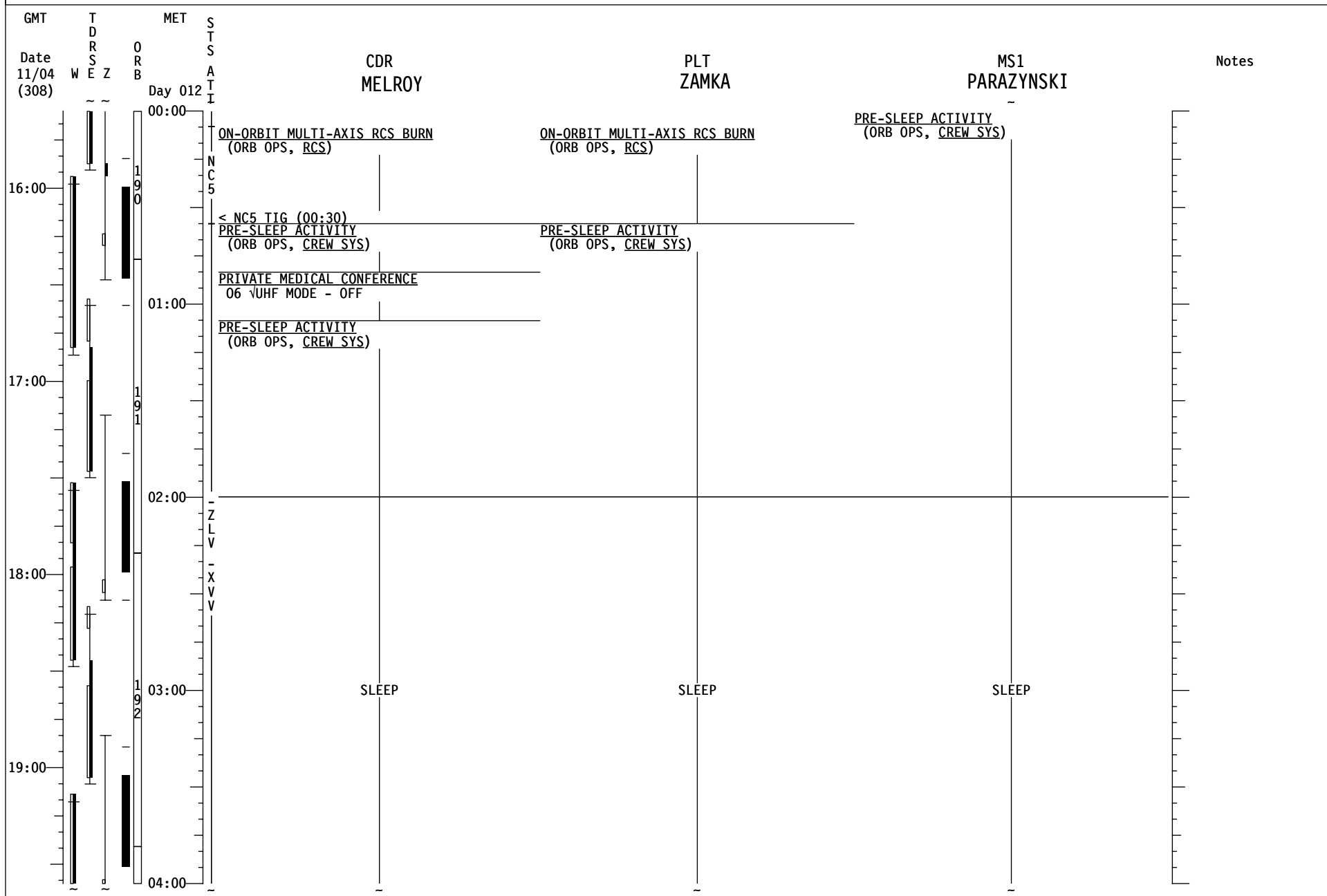
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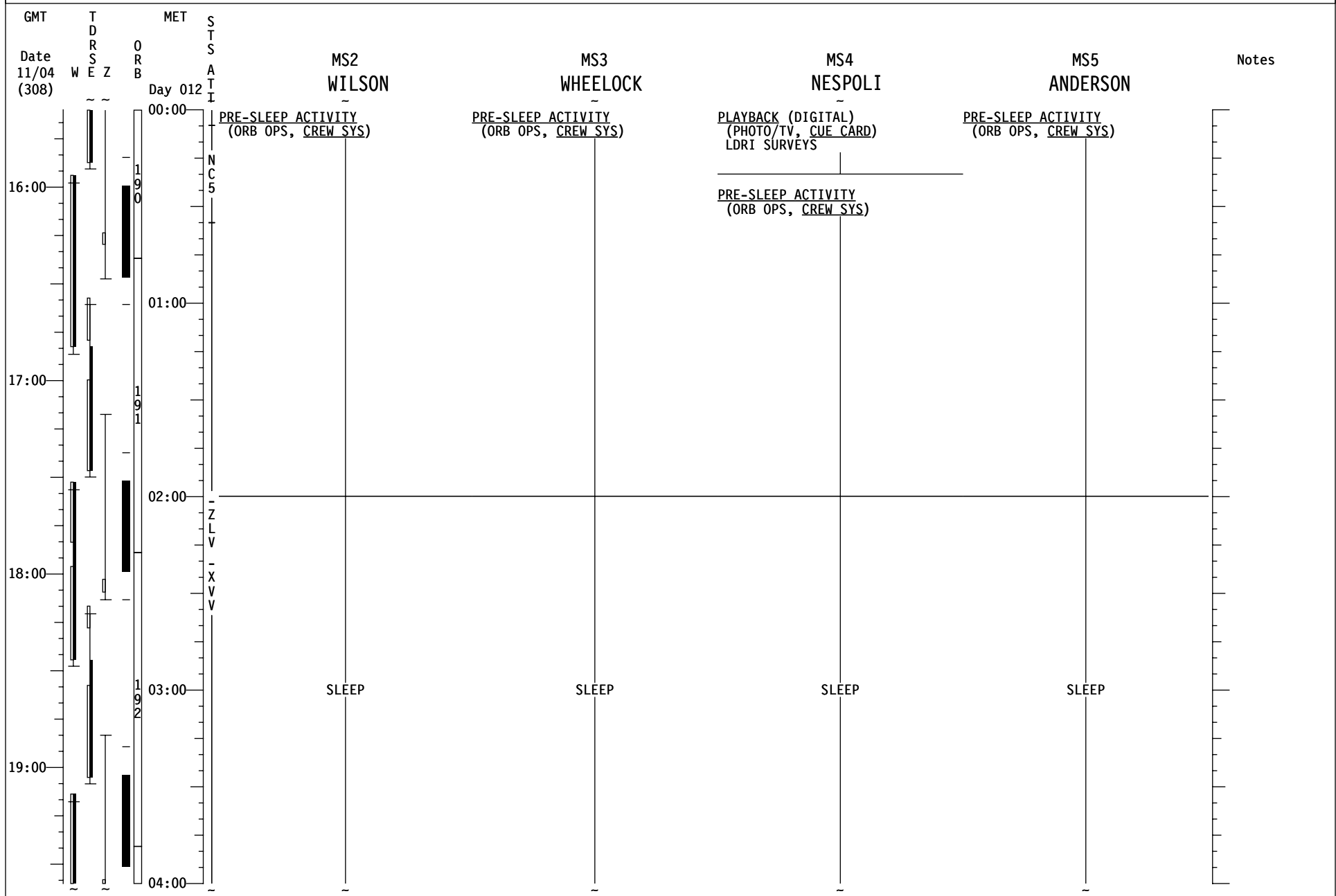
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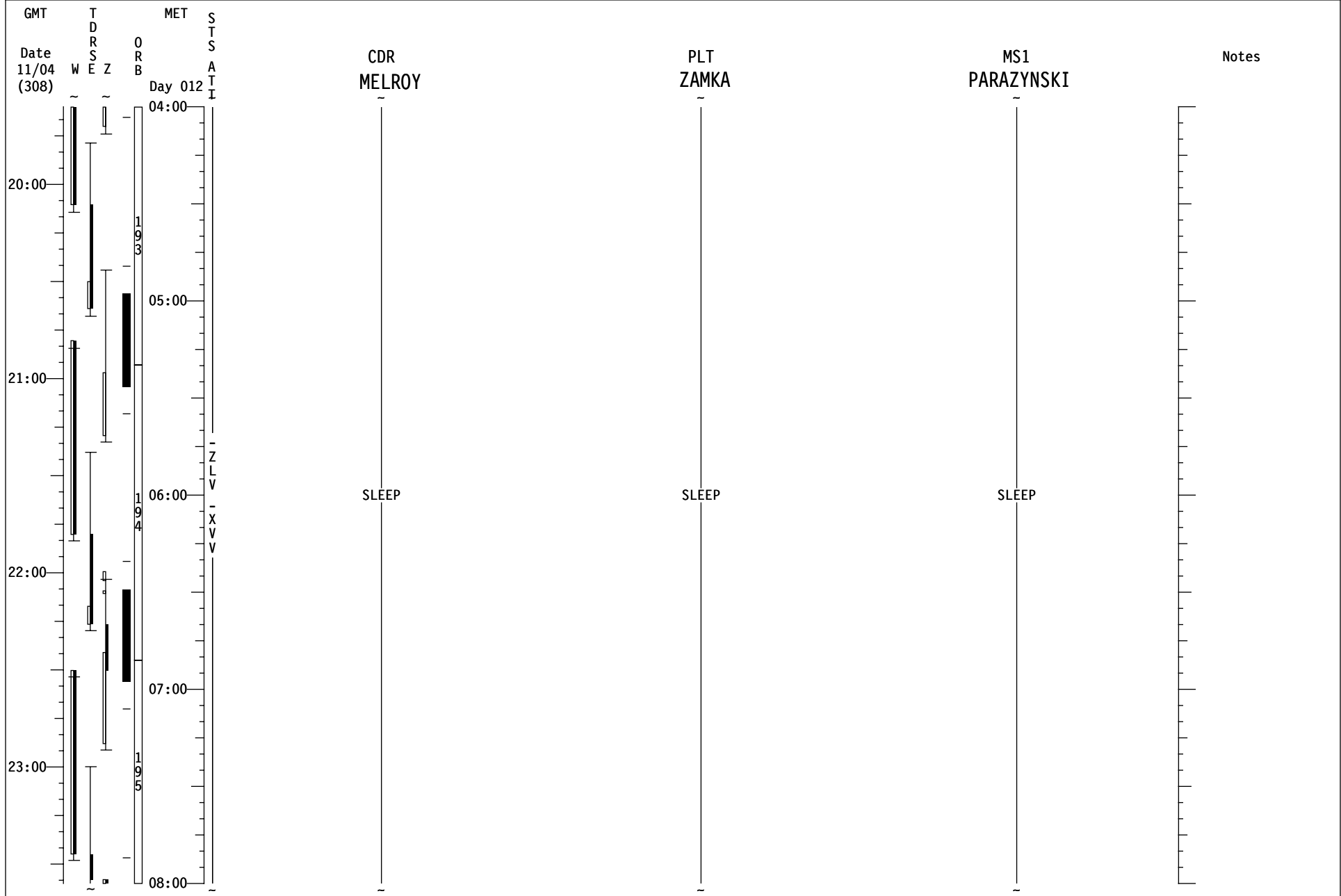
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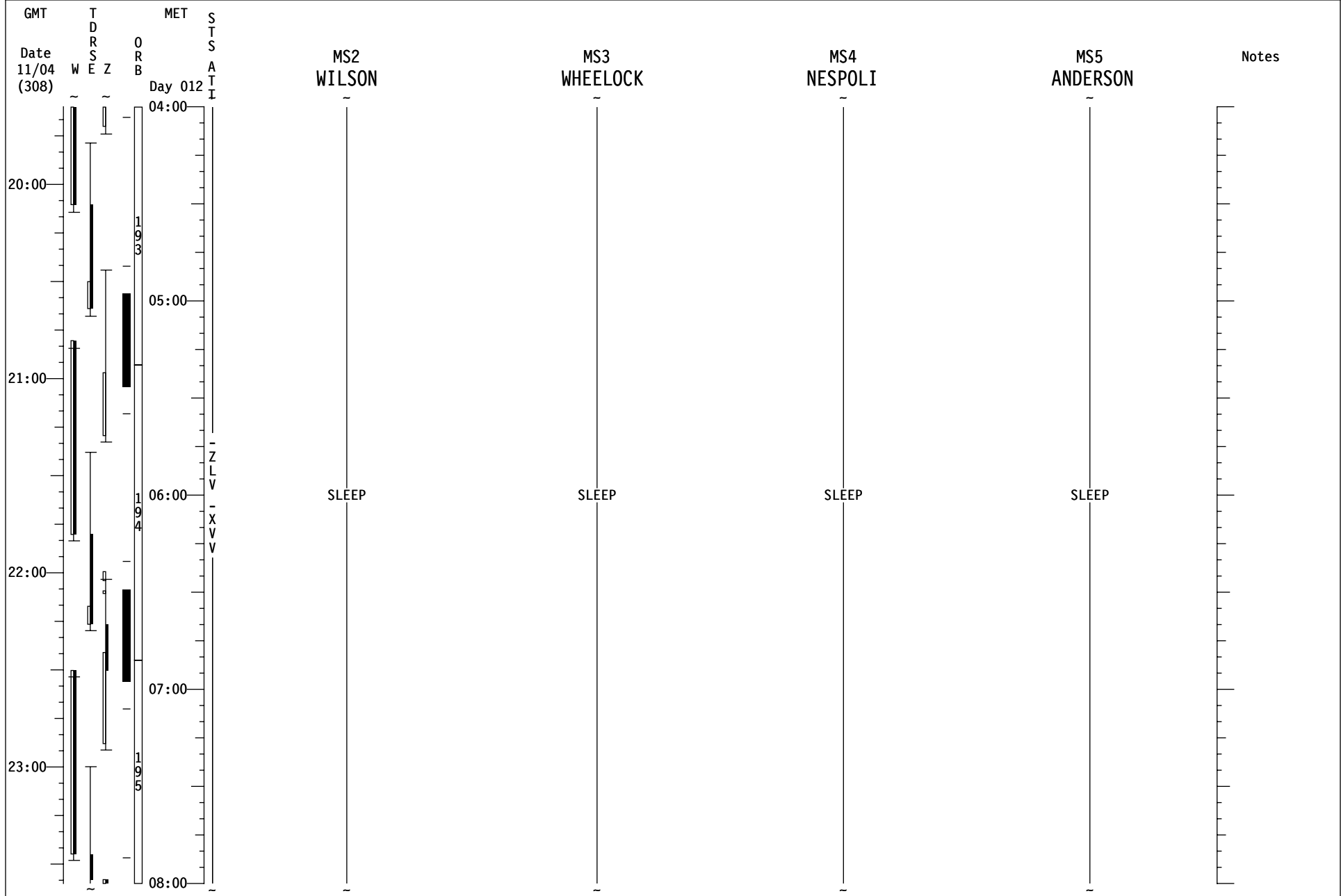
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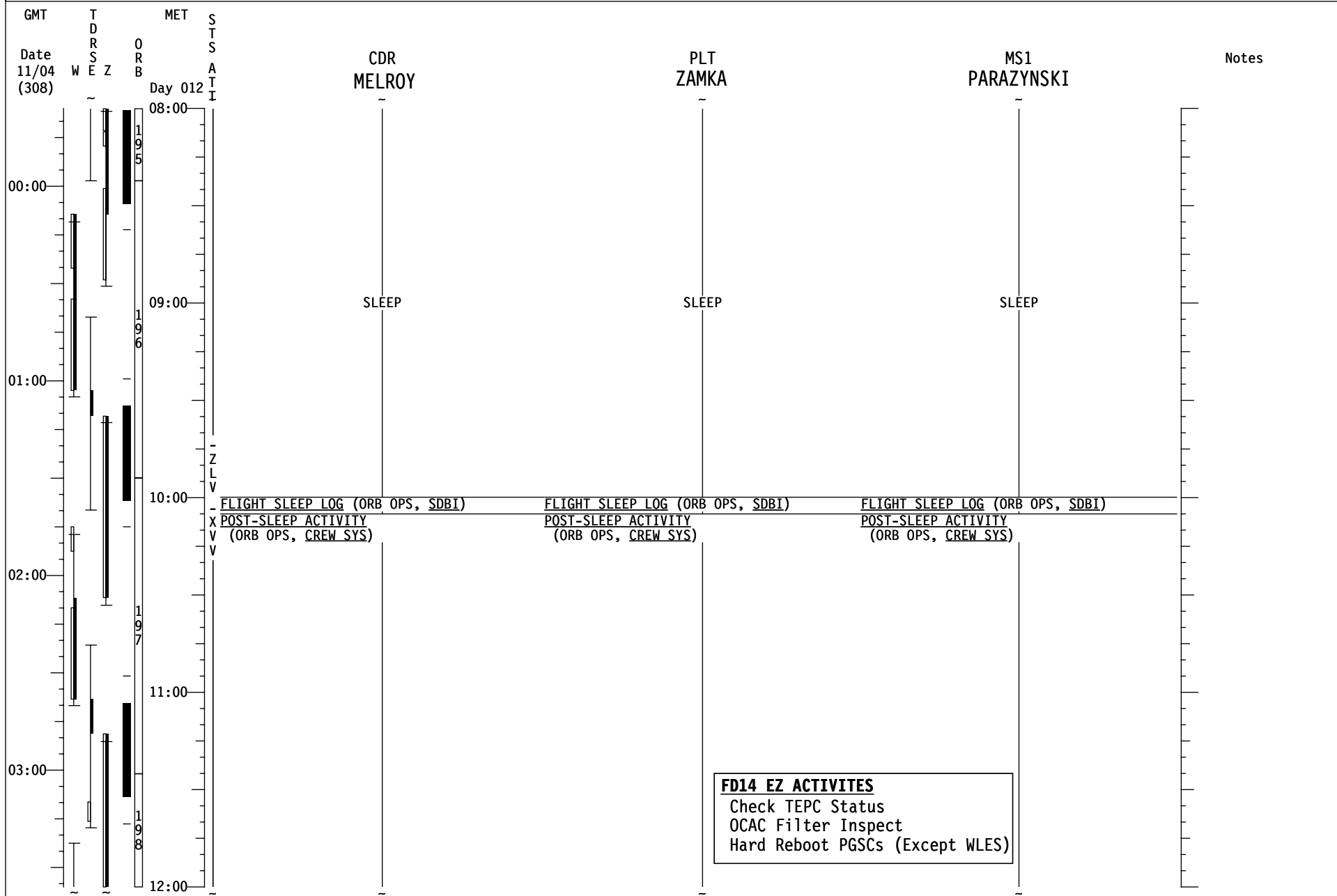
# STS-120 FD13



# STS-120 FD13

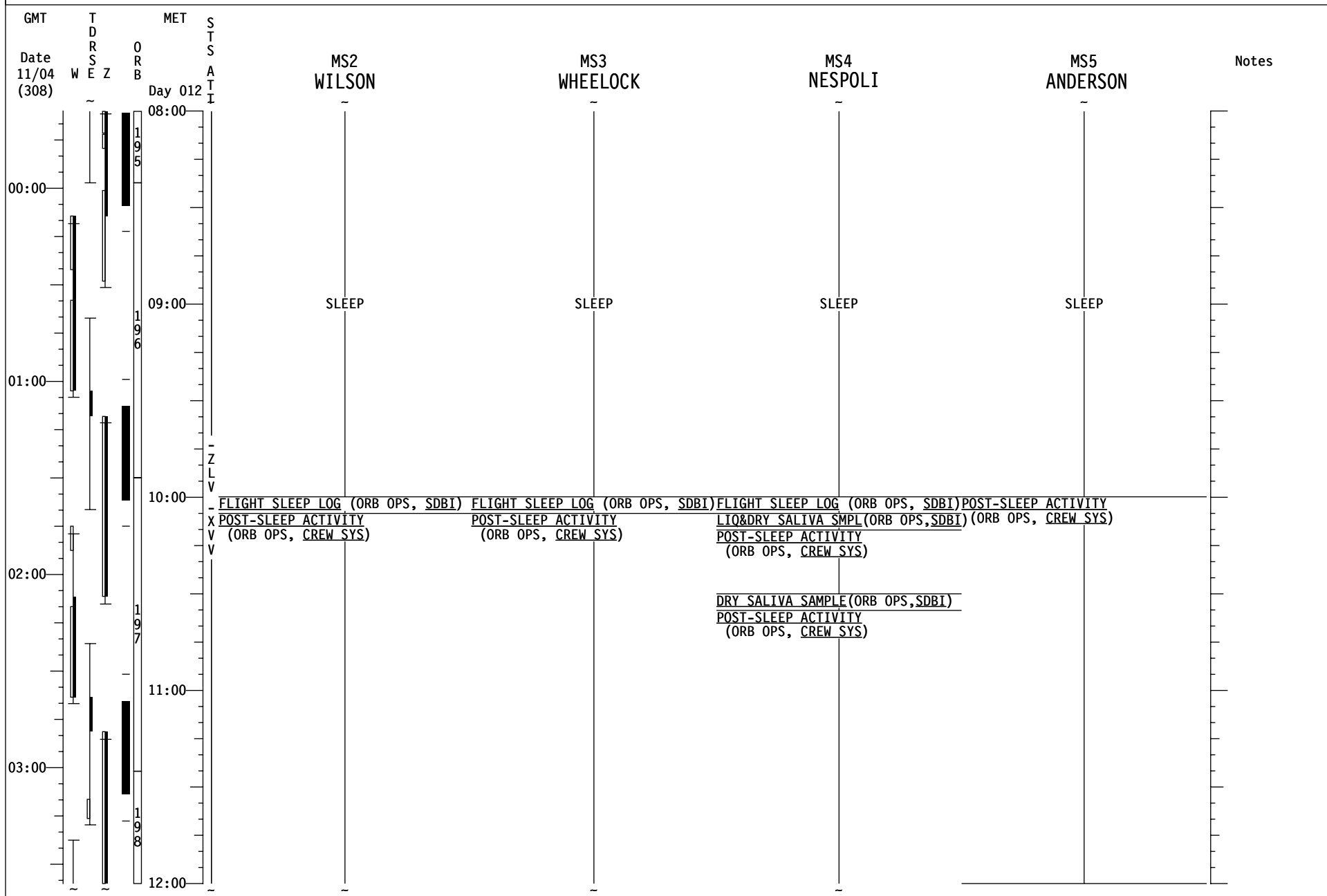


# STS-120 FD14

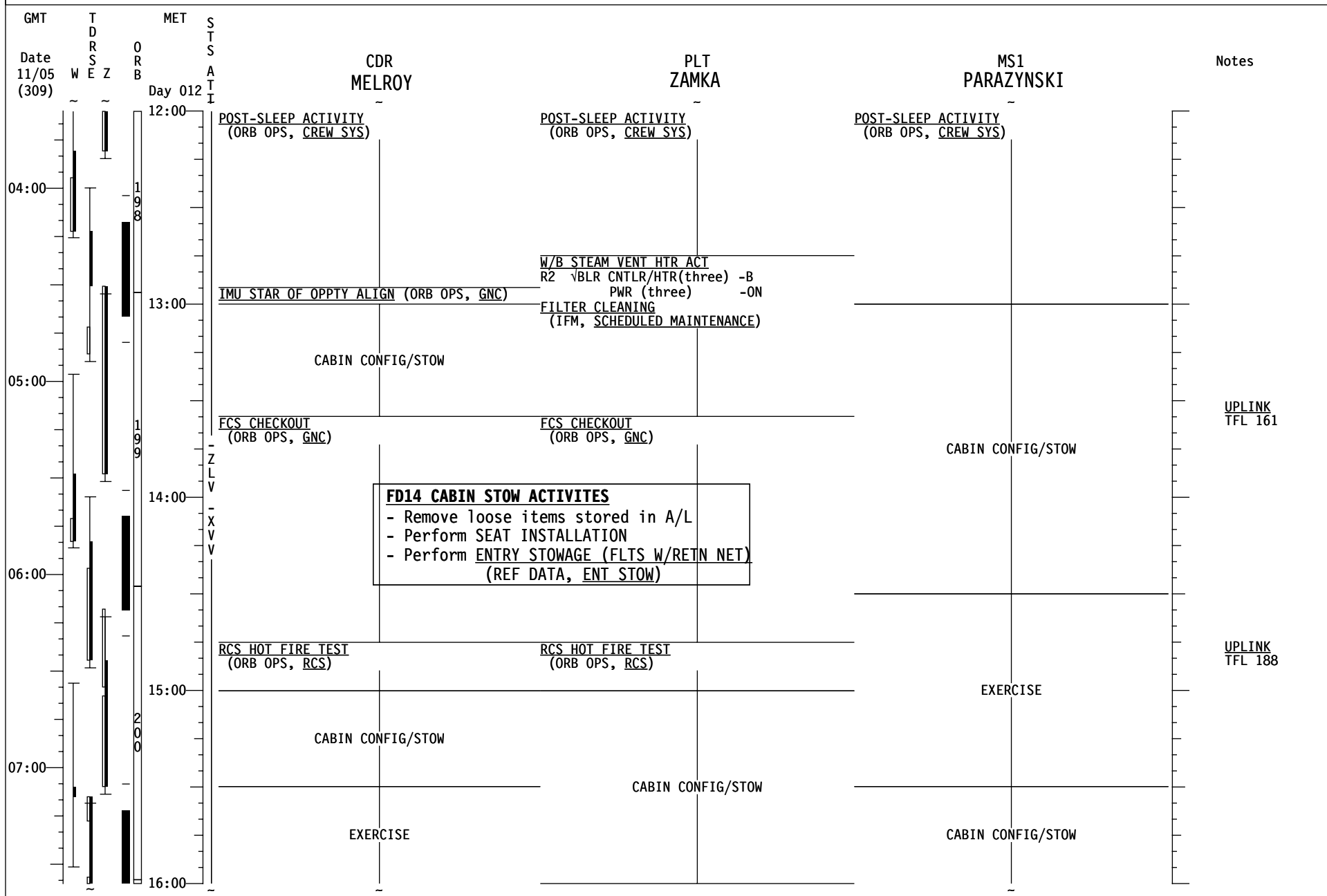




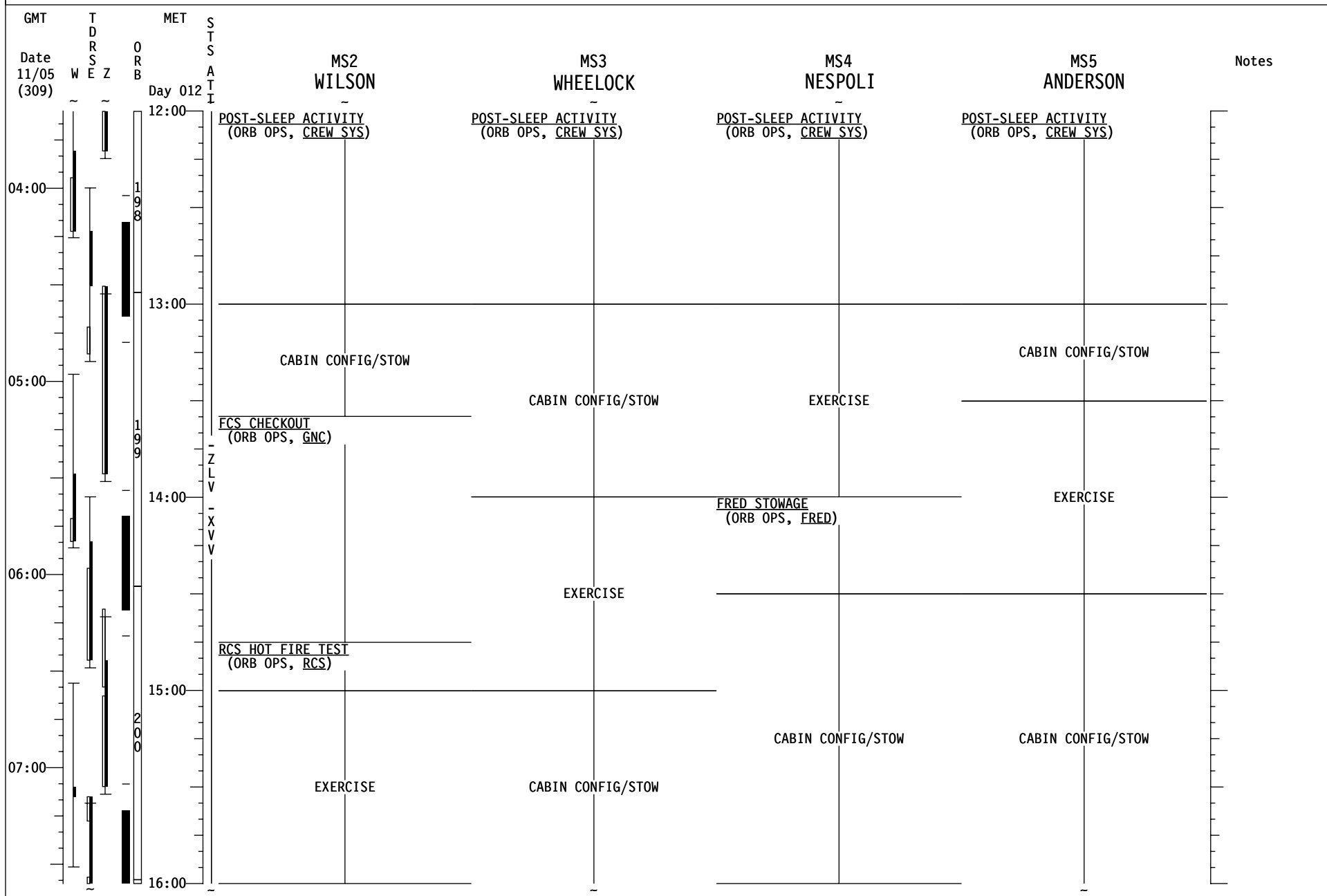
# STS-120 FD14



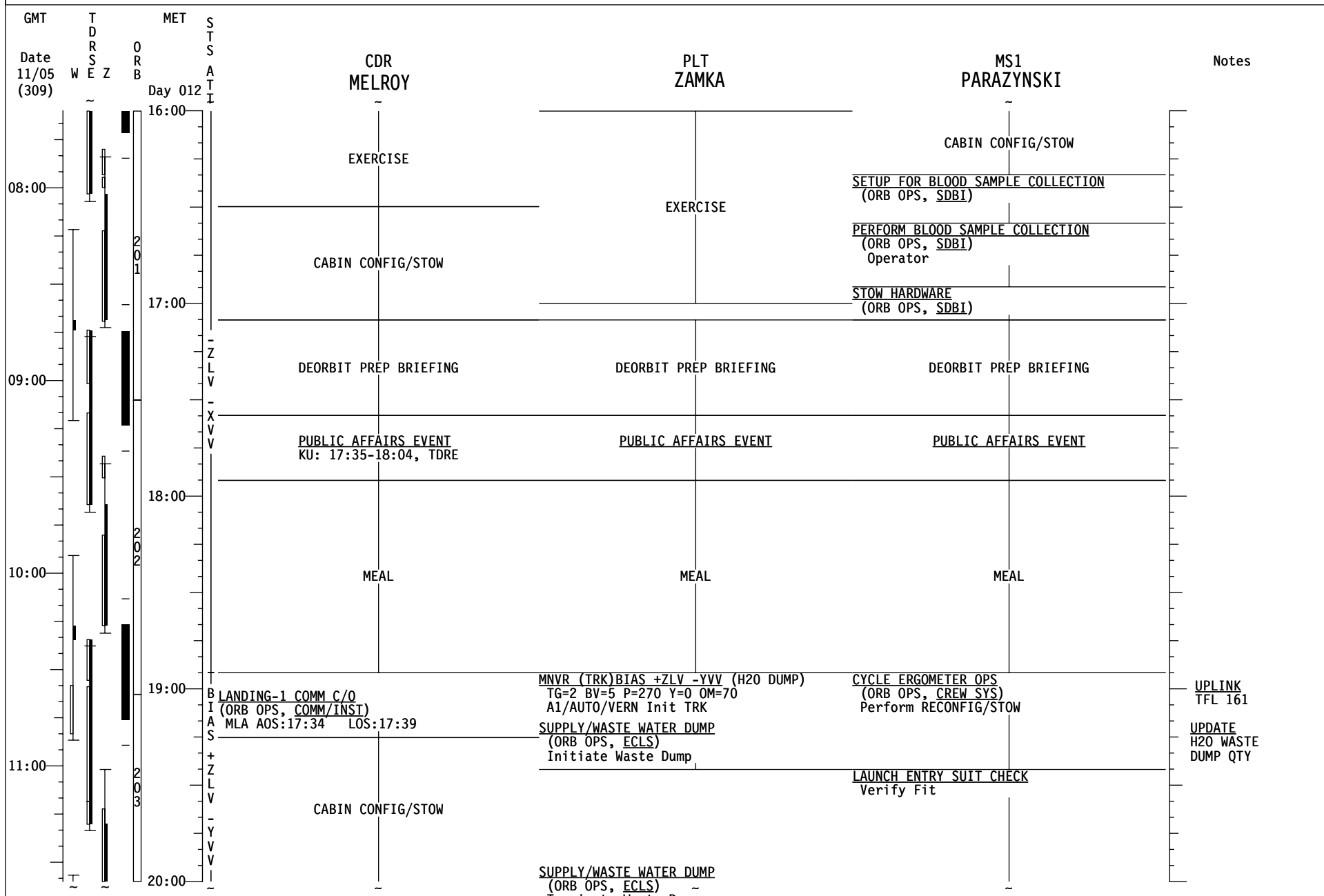
# STS-120 FD14



# STS-120 FD14



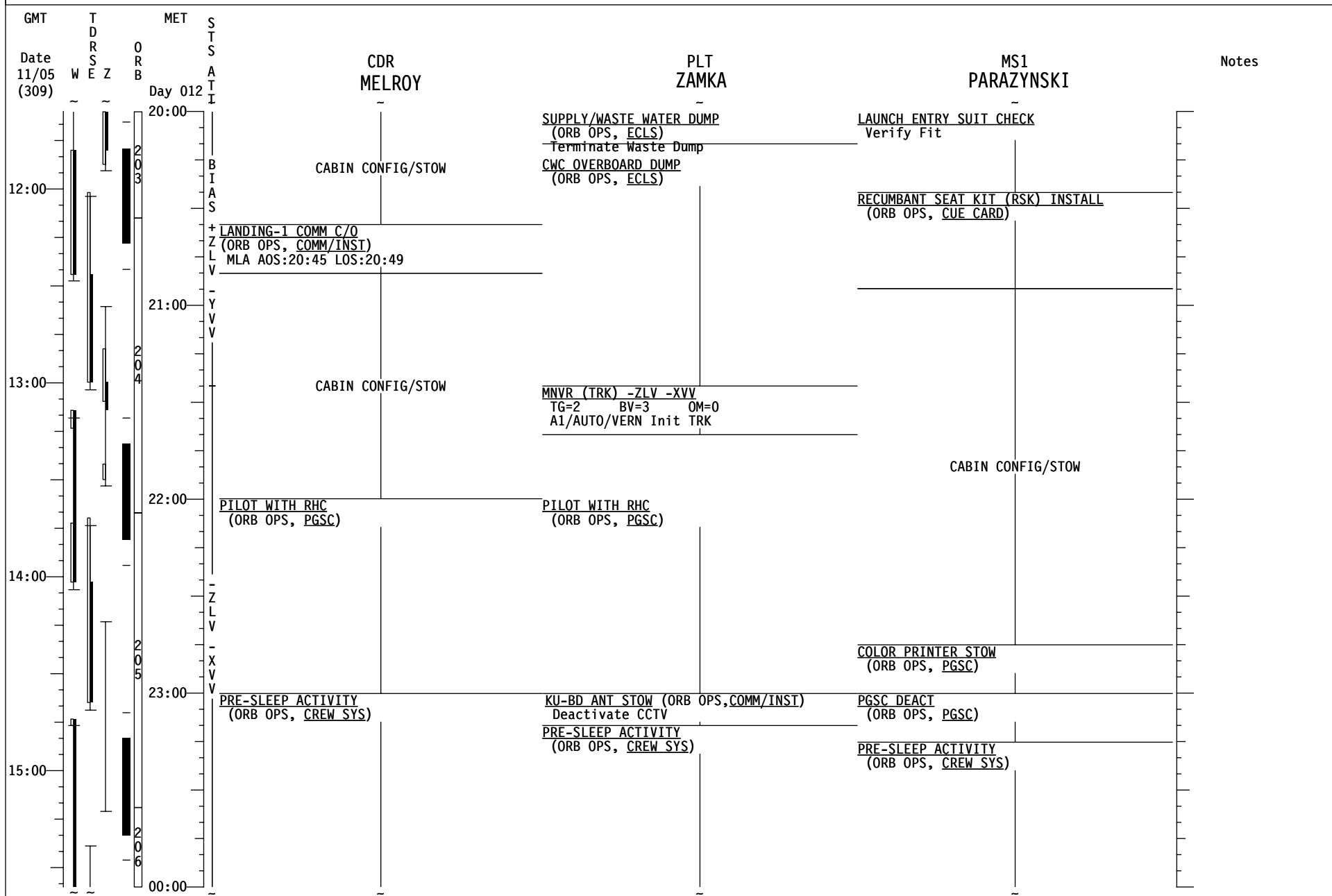
# STS-120 FD14



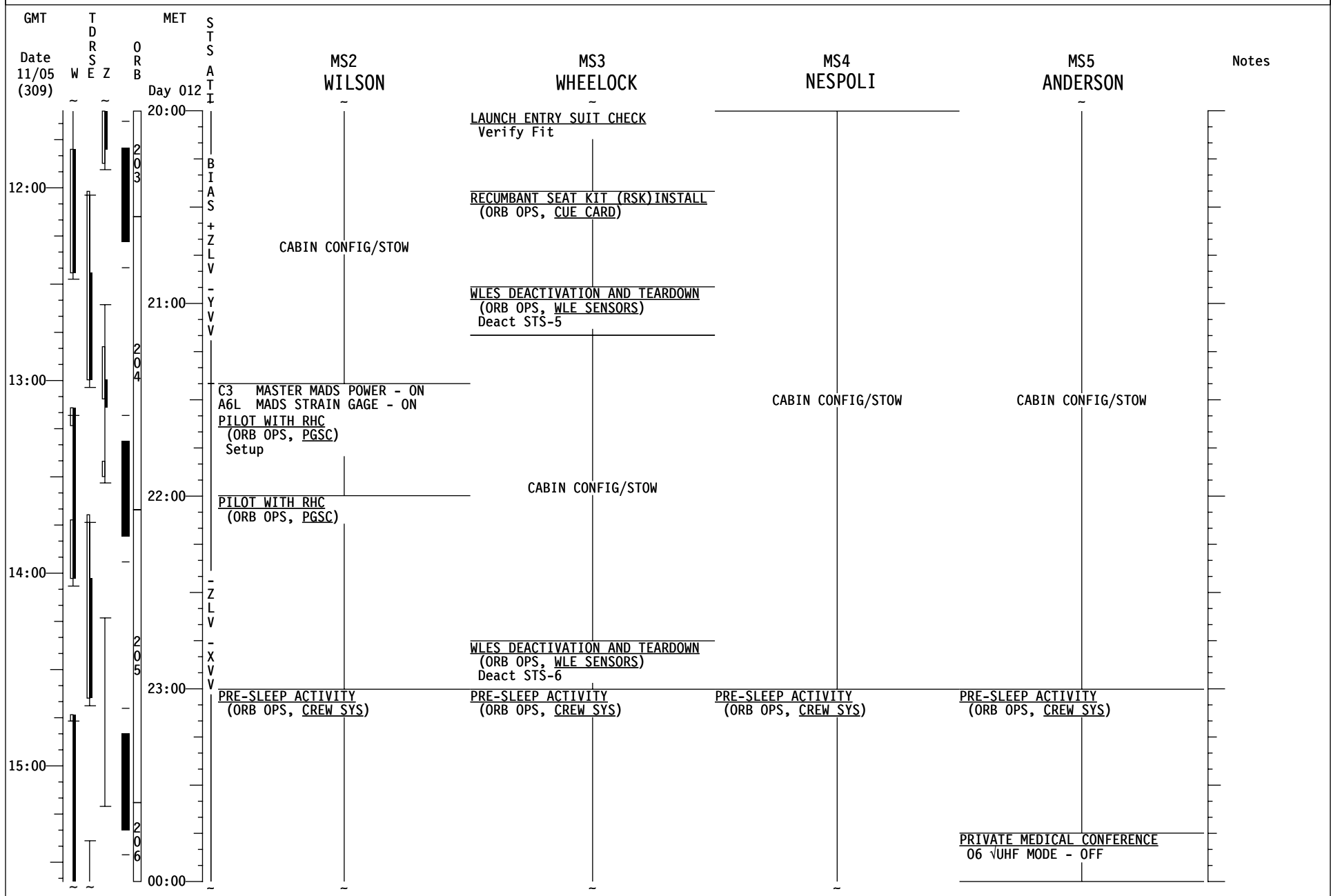
# STS-120 FD14

GMT	TDRS W E Z	MET ORB Day 012	S T S A T I	MS2 WILSON	MS3 WHEELOCK	MS4 NESPOLI	MS5 ANDERSON	Notes
08:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	<u>DRY SALIVA SAMPLE(ORB OPS,SDBI)</u>  <u>ENTRY VIDEO</u> (PHOTO/TV, <u>MINI-CAM</u> ) Perform SETUP	CABIN CONFIG/STOW	
				<u>ANALOG PAO CC</u> (PHOTO/TV, <u>SONY PD100</u> )		<u>PERFORM BLOOD SAMPLE COLLECTION</u> (ORB OPS, <u>SDBI</u> ) Subject		
09:00				DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
				<u>PUBLIC AFFAIRS EVENT</u>	<u>PUBLIC AFFAIRS EVENT</u>	<u>PUBLIC AFFAIRS EVENT</u>	<u>PUBLIC AFFAIRS EVENT</u>	
10:00				MEAL	MEAL	MEAL	MEAL	
11:00				CABIN CONFIG/STOW	<u>CYCLE ERGOMETER OPS</u> (ORB OPS, <u>CREW SYS</u> ) Perform RECONFIG/STOW	<u>SSV DEACTIVATION</u> (PHOTO/TV, <u>SSV</u> )  <u>FRTL 5 HARDWARE ROTATE</u> (ASSY OPS)	CABIN CONFIG/STOW	
					<u>LAUNCH ENTRY SUIT CHECK</u> Verify Fit			
20:00						<u>DRY SALIVA SAMPLE(ORB OPS,SDBI)</u>		

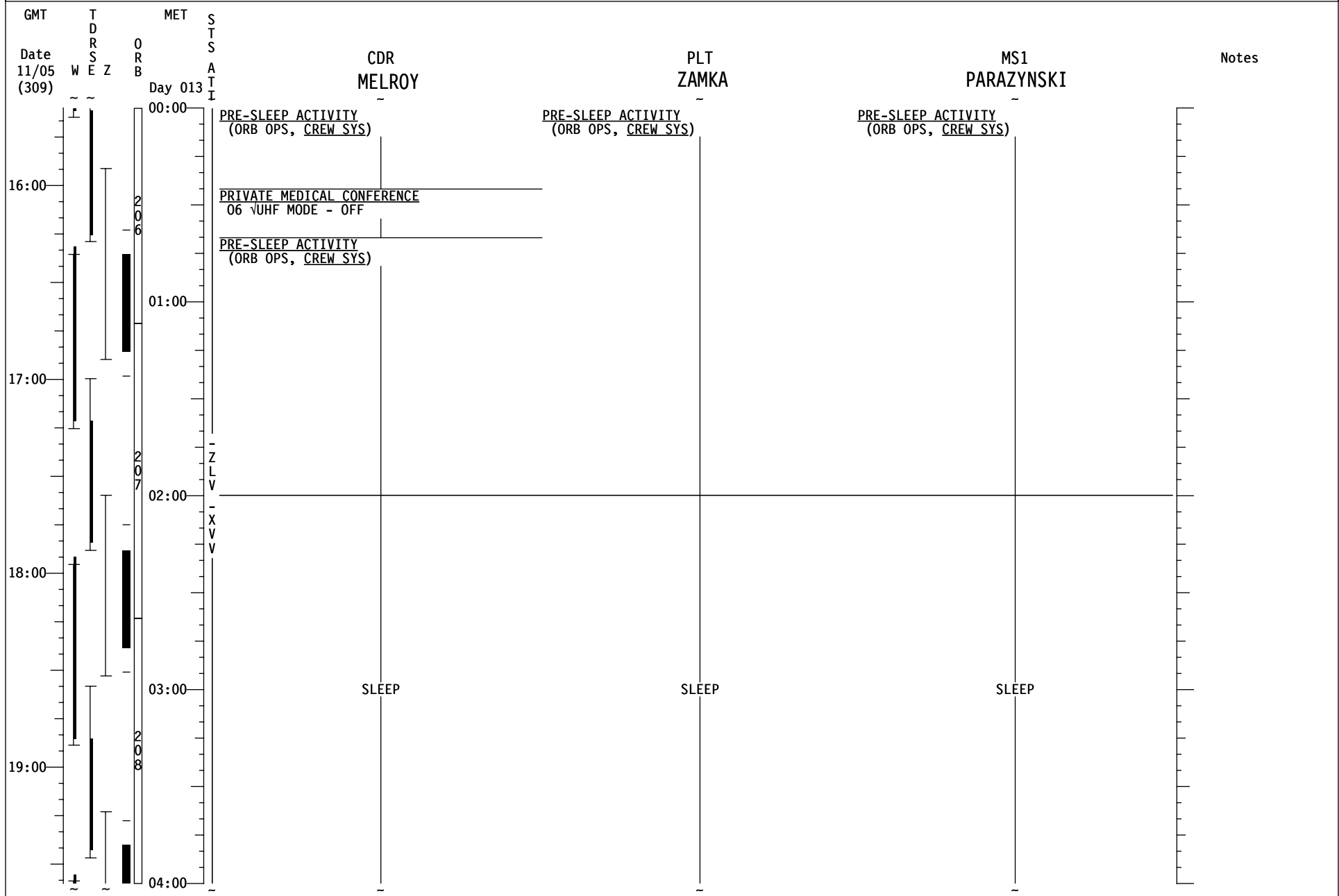
# STS-120 FD14



# STS-120 FD14

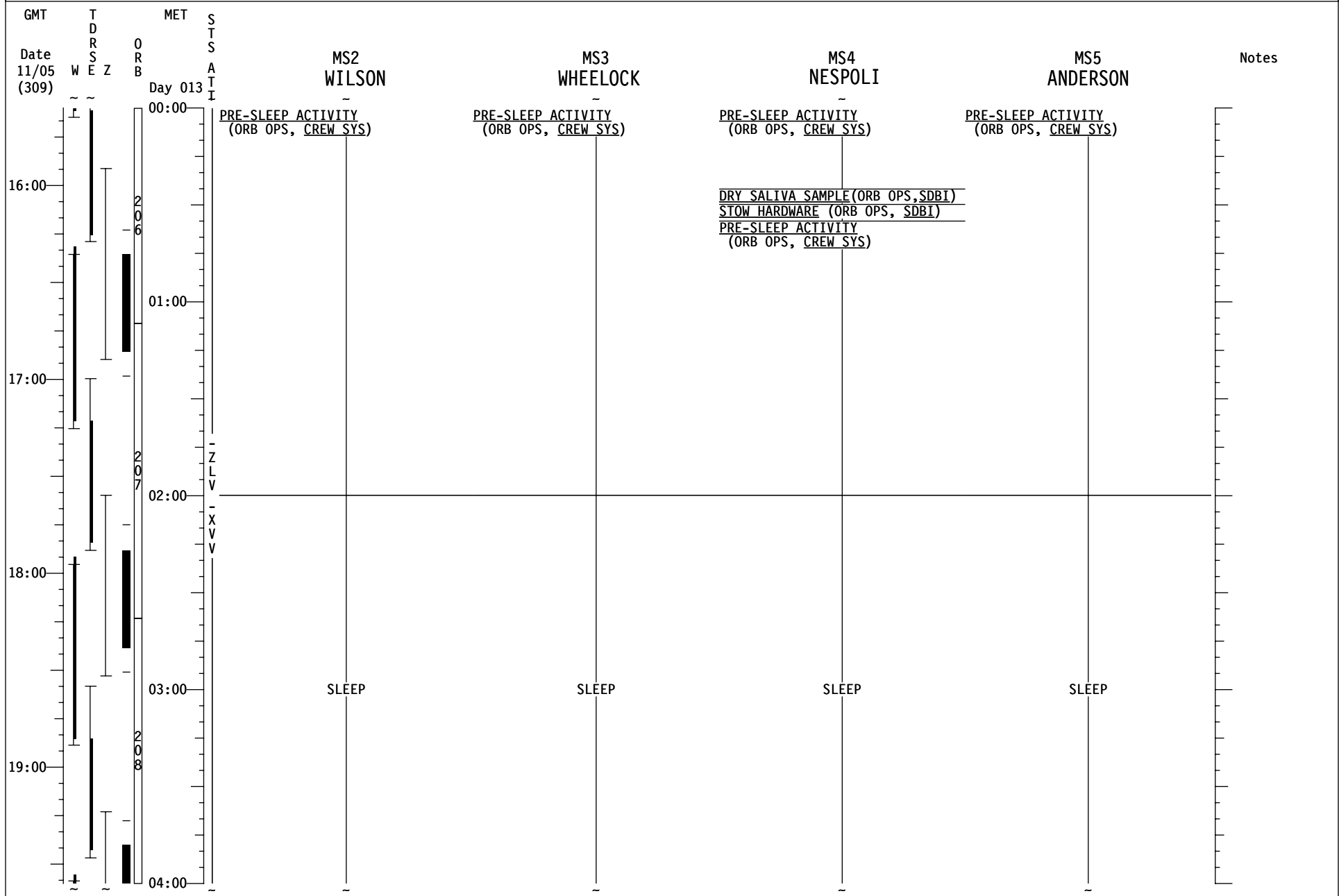


# STS-120 FD14

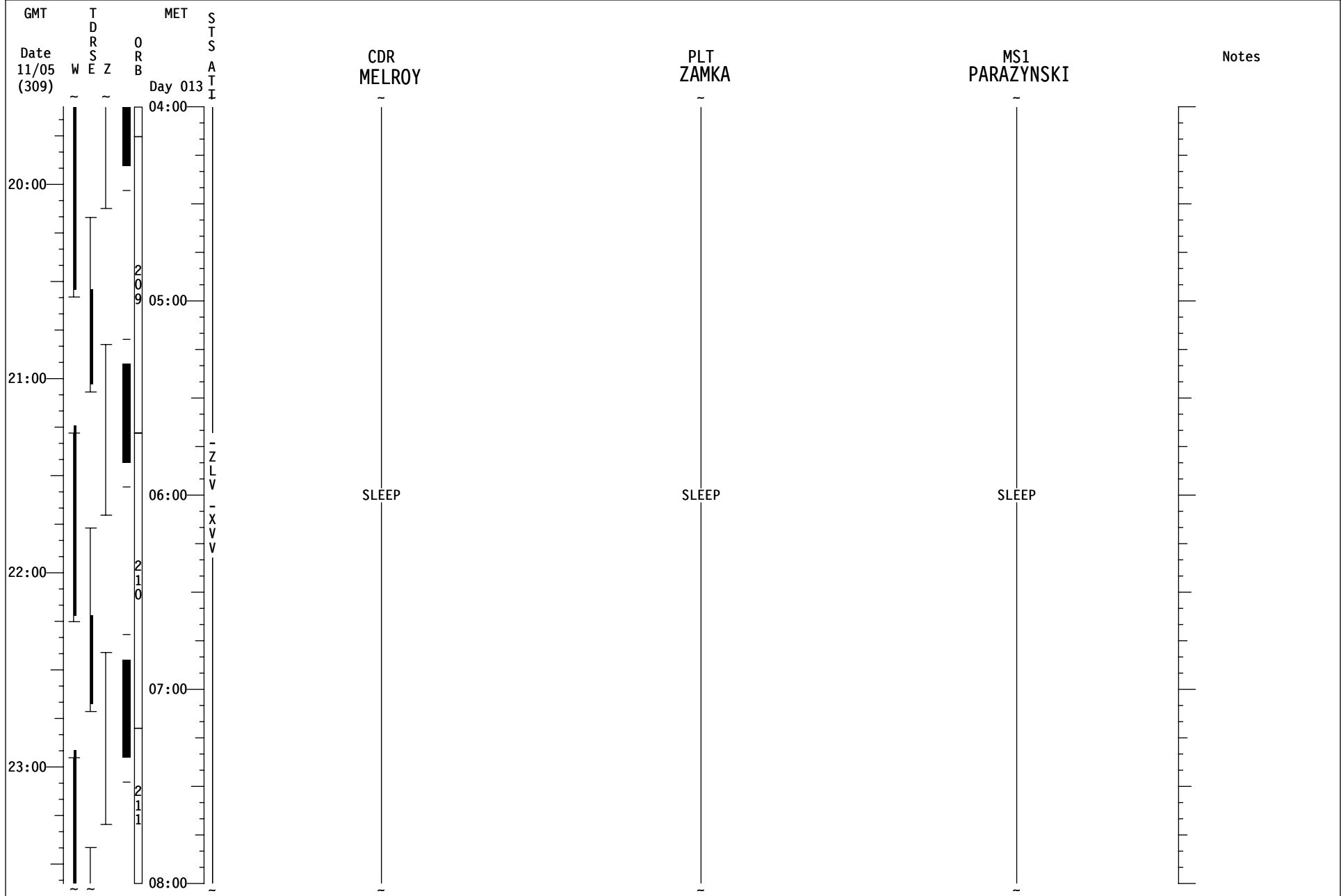




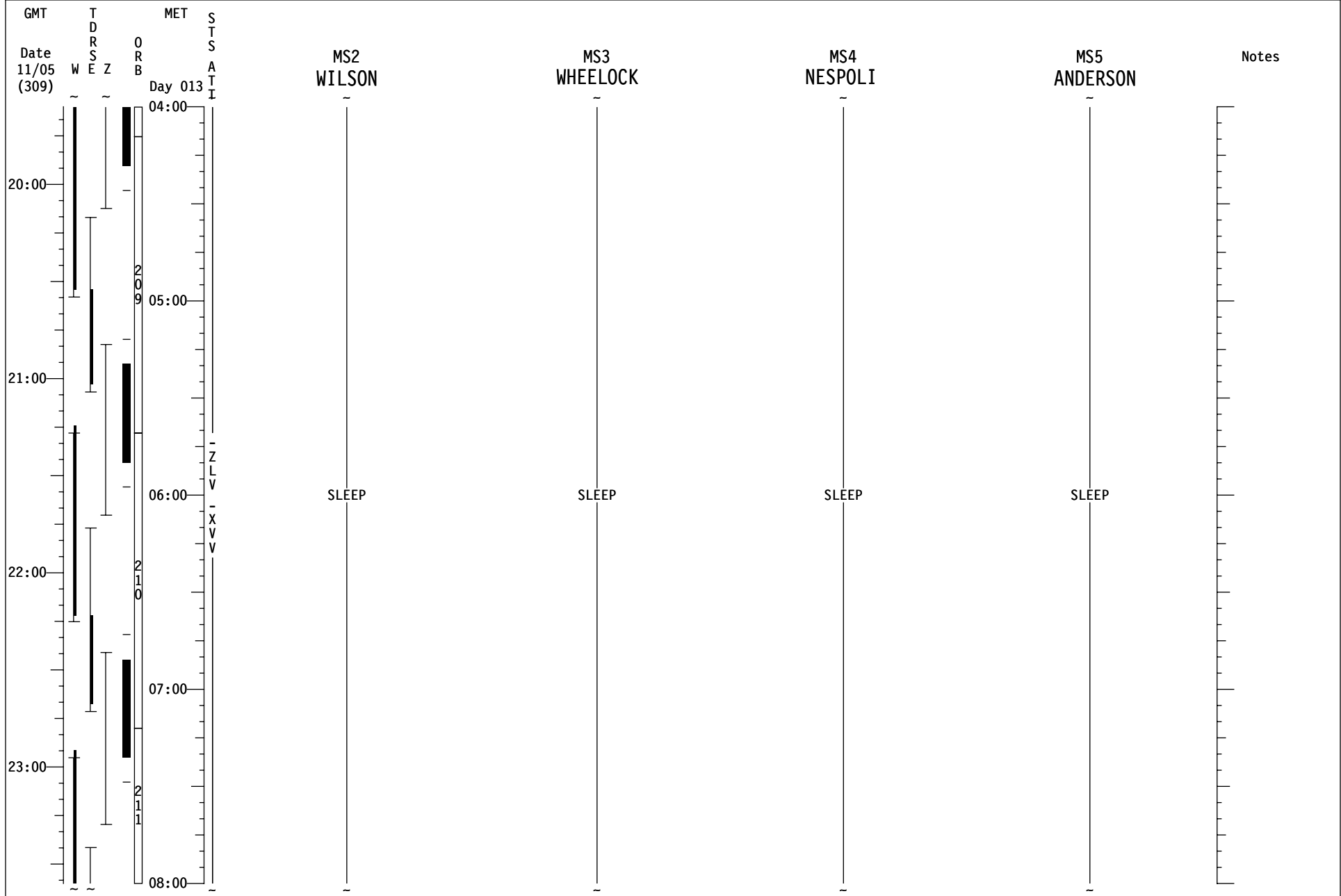
# STS-120 FD14



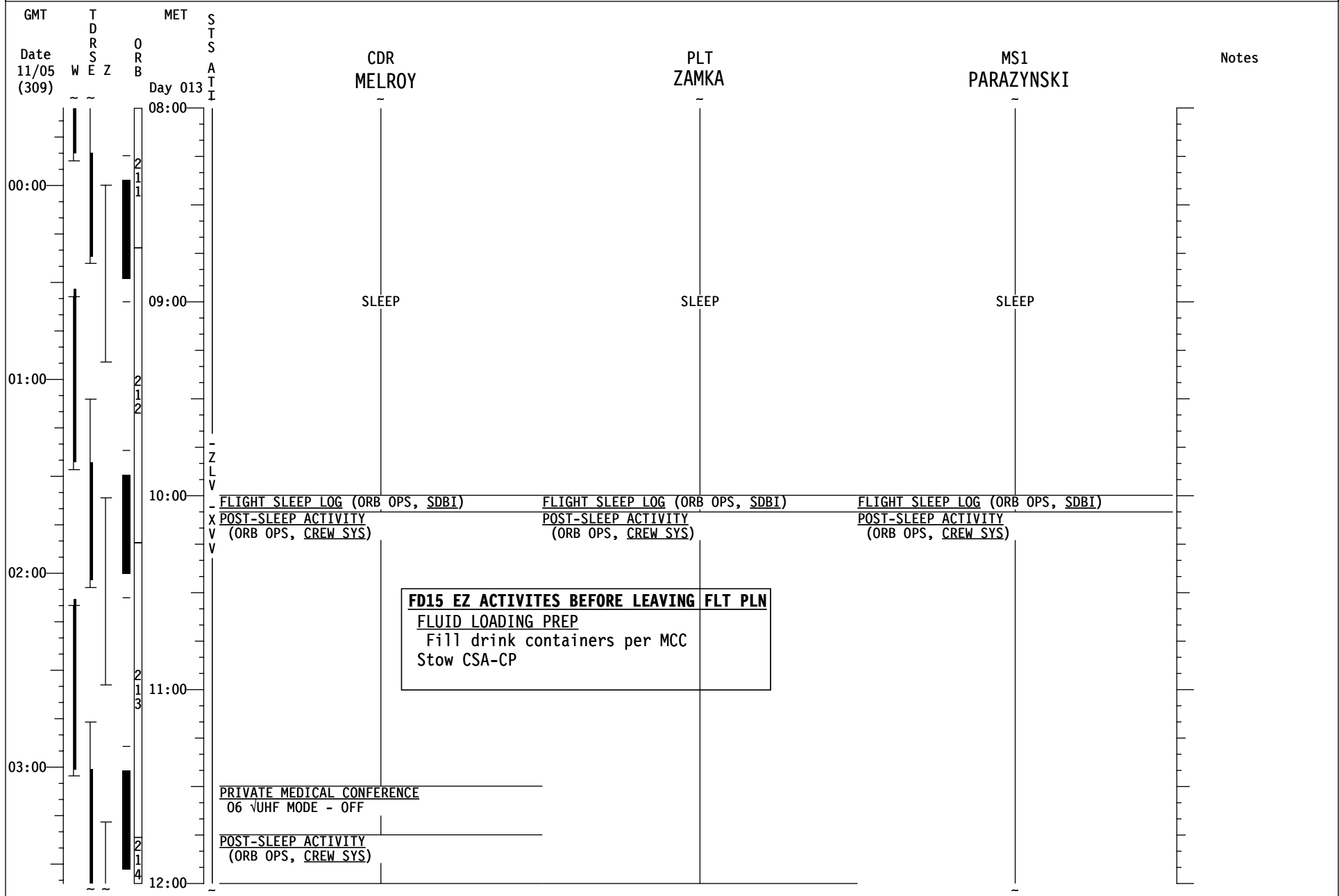
# STS-120 FD14



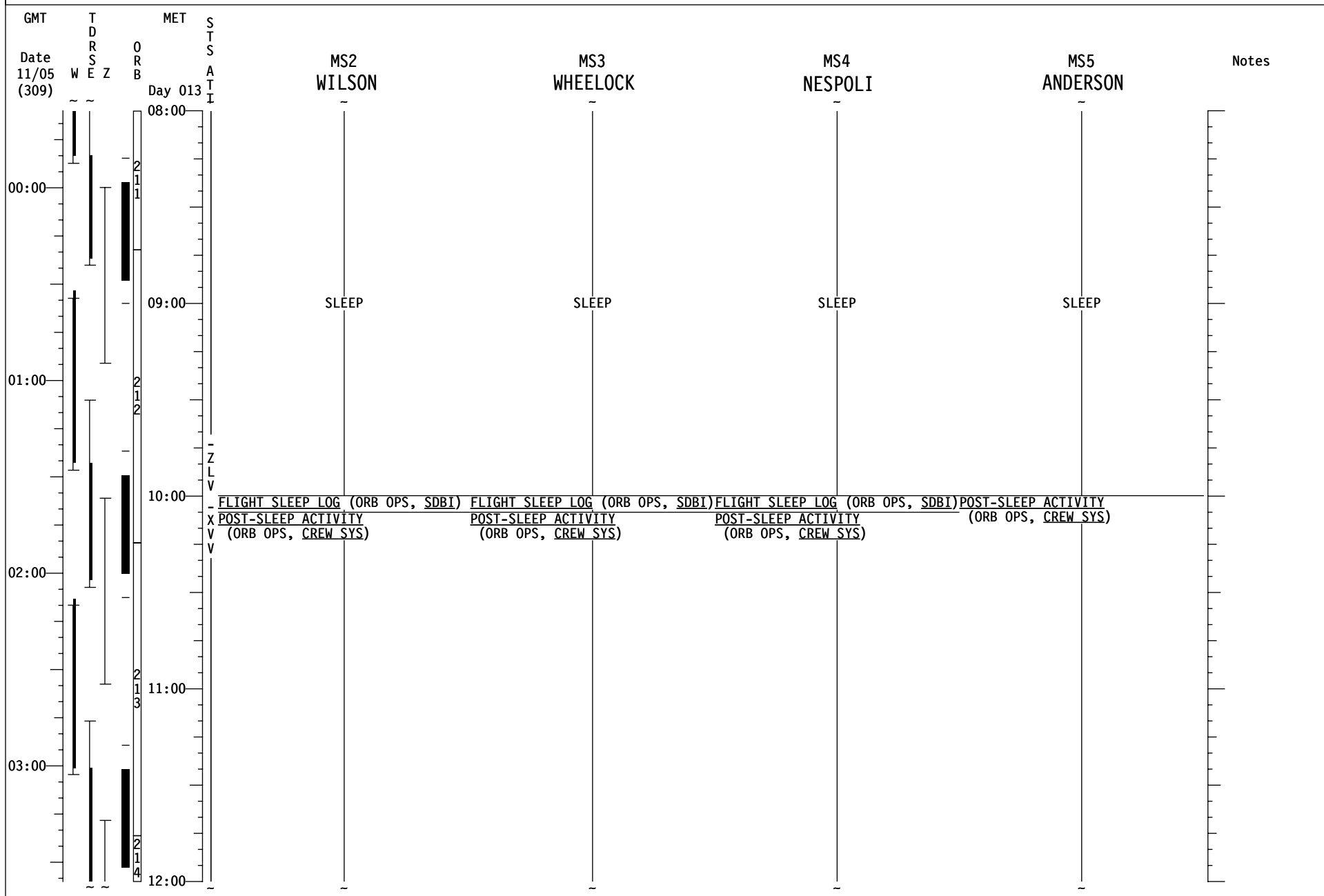
# STS-120 FD14



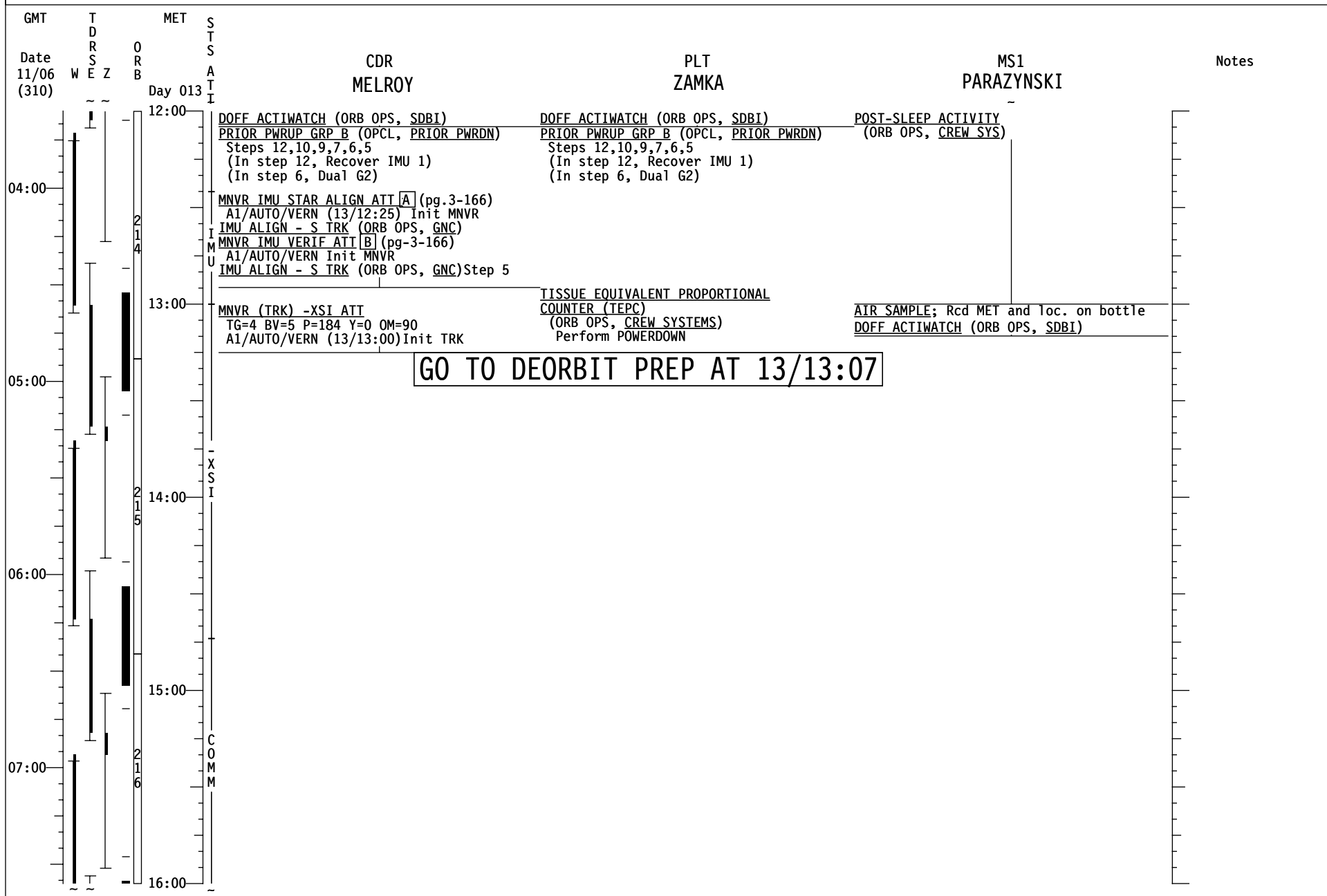
# STS-120 FD15



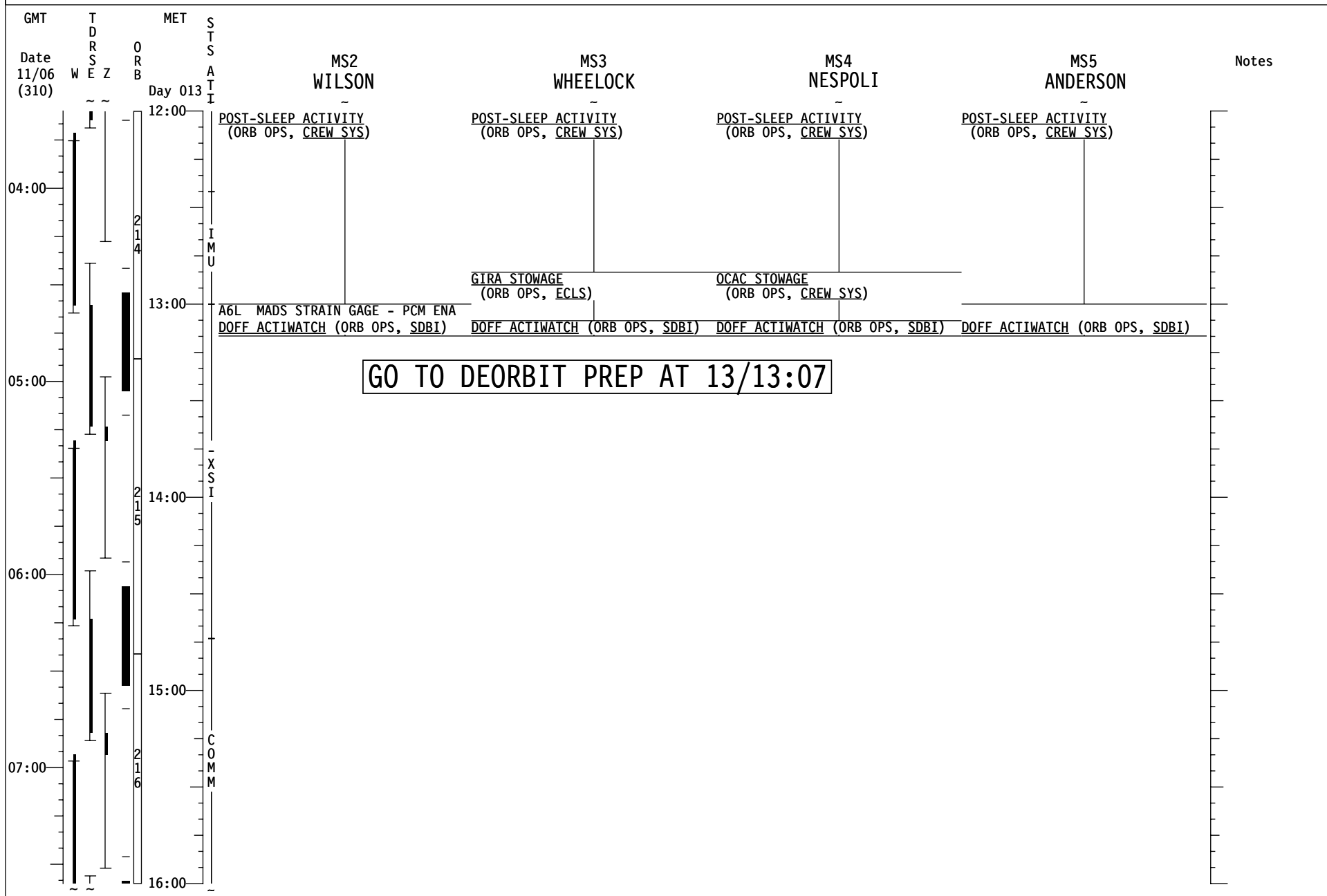
# STS-120 FD15



# STS-120 FD15



# STS-120 FD15



<b>A</b>	<b>IMU STAR ALIGN PAD</b>		
ID: -Y: 43, RASALHAGUE MET (13/12:04 TO 13/12:48)			
-Z: 26, FOMALHAUT MET (13/12:26 TO 13/13:13)			
ANG DIFF: 88.3			
DUAL S TRKR <u>ALIGNMENT</u>		2nd ATTITUDE (SINGLE S TRKR)	
		-Z: 43 -Y: 26	
R 348	R 261	74	
P 302	P 292	313	
Y 356	Y 7	6	
REQD ID:			
-Y: ____, -Z: ____, ANG ERR ____, ____, __			
ANG:            1                            2                            3			
$\Delta X$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
$\Delta Y$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
$\Delta Z$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
EXECUTION TIME: __/__:__:__ MET			

<b>B</b>	<b>IMU VERIFICATION STAR ALIGN PAD</b>		
ID: -Y: 60, ENIF MET (13/12:16 TO 13/13:04)			
-Z: 51, ATRIA MET (13/12:24 TO 13/13:11)			
ANG DIFF: 93.6			
DUAL S TRKR <u>ALIGNMENT</u>		2nd ATTITUDE (SINGLE S TRKR)	
		-Z: 60 -Y: 51	
R 332	R 250	50	
P 26	P 15	44	
Y 38	Y 51	43	
REQD ID:			
-Y: ____, -Z: ____, ANG ERR ____, ____, __			
ANG:            1                            2                            3			
$\Delta X$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
$\Delta Y$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
$\Delta Z$ ( ) ____, ____, ( ) ____, ____, ( ) ____, ____, __			
<b>If any <math>\Delta X</math>, <math>\Delta Y</math>, OR <math>\Delta Z</math> &gt; 0.1 Check MCC</b>			
EXECUTION TIME: __/__:__:__ MET			



The sections following this divider page will not be included in flight copies.

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For the latest version of the non-flown sections:

Attitude Timeline  
Ku-Band Antenna Masking Plan  
Flight Plan Notes  
Flight Plan Walkthrough

Go to:

<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=120>

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# FLIGHT PLAN

STS  
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