

Flight Plan

STS-122/1E

(December 6, 2007 Launch Trajectory)

Mission Operations Directorate Operations Division

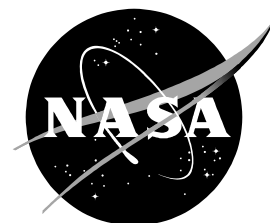
Final
November 13, 2007

For the latest working copy of the Flight Plan, visit
<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=122>

<u>EVENT</u>	<u>FD</u>	<u>MET</u>	<u>LOCAL DATE</u>	<u>CST</u>	<u>GMT</u>
Launch	1	00/00:00	12/06/07	15:31	340/21:31
OBSS Survey	2	00/17:25	12/07/07	8:56	341/14:56
ISS Docking	3	01/20:43	12/08/07	12:14	342/18:14
Hatch Open	3	01/21:55	12/08/07	13:26	342/19:26
EVA 1	4	02/18:50	12/09/07	10:21	343/16:21
Columbus Unberth	4	02/22:45	12/09/07	14:16	343/20:16
EVA 2	6	04/18:50	12/11/07	10:21	345/16:21
EVA 3	8	06/17:50	12/13/07	9:21	347/15:21
Hatch Close	9	07/23:45	12/14/07	15:16	348/21:16
Undock	10	08/15:50	12/15/07	7:21	349/13:21
OBSS Survey	10	08/19:40	12/15/07	11:11	349/17:11
Deorbit	12	10/18:56	12/17/07	10:27	351/16:27
KSC Landing	12	10/19:58	12/17/07	11:29	351/17:29

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).
Electronic copies of FDF books are available. URL: <http://mod.jsc.nasa.gov/do3/FDF/index.html>


MISSION OPERATIONS DIRECTORATE

**FLIGHT PLAN
STS-122**FINAL
November 13, 2007

PREPARED BY:



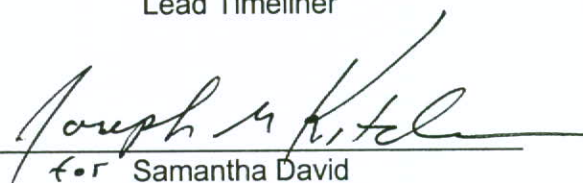
 Laura Hearon
Book Manager, Lead FAO



 Telisha Harris
Lead Timeliner



 Joseph Kitchen
Lead Ops Planner



 for Samantha David
Lead RPE



 Alex Rigas
Lead Pointer

APPROVED BY:



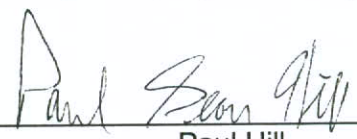
 for Linda DeLapp
Lead, Flight Planning Group



 Neil Woodbury
Acting Chief, Flight Planning Branch



 Michael Hess
Chief, Operations Division



 Paul Hill
Director of Operations

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Incorporates the following:
482#: FLT PLN-2049

AREAS OF TECHNICAL RESPONSIBILITY

Book Manager/Lead FAO	DO4/L. Hearon	281-244-0110
Lead Timeliner	DO4/T. Harris	281-244-1081
Lead Pointer	DO4/A. Rigas	281-483-2596
Lead Ops Planner	DO4/J. Kitchen	281-244-5430
Lead RPE	DO4/S. David	281-244-5837

FLIGHT PLAN
STS-122

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* – Omit from flight book

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3-71	122/FIN	3-127	122/FIN
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3-77	122/FIN	4-i	* 122/FIN
3-78	122/FIN	4-ii	* 122/FIN
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INTRODUCTION

The STS-122 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-17462-122, STS-122 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints
- NSTS-21396, ISS 1E 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-122 Flight Plan is based on a launch date of December 6, 2007 at 21:31 GMT (15:31 CDT). Orbiter inertial attitudes are expressed relative to a mean of 1950 (M50) reference frame.

The following SCSC Exceptions have been submitted in order to meet Category 1 objectives:

None

The Flight Plan and 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=122>

OVERVIEW TIMELINE

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STS-122/1E

Overview Timeline (11+1+2)

MET		00/0																									
		1	2	3	4	5	6	7	8	9	10	11															
FD 01	STS																										
	ISS	ASC	PI	S/Us																							
	Orb Att	-ZLV, -XVV																									
MET		01/0																									
		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		
FD 02	STS							Inspections, EMU C/O	Meal			Inspections	Docking Prep														
	ISS																										
	Orb Att	-ZLV, -XVV																									
MET		02/0																									
		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		
FD 03	STS							RENDEZVOUS					Ingrs prep, leak ck	EVA Prep/O2 Purge Boom H/O	EVA Proc Rvw	Camp											
	ISS																										
	Orb Att	-ZLV	Dump					RNDZ																			LVLH TEA
MET		03/0																									
		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		
FD 04	STS							EVA Prep	EVA1 - Columbus Install					Pst EVA													
	ISS							IELK	EVA Support					Col Unberth & Instl		Vest											
	Orb Att	LVLH TEA																									
*Overnight Fine Leak Ck																											
MET		04/0																									
		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		
FD 05	STS							Berth Survival	Ungrp	Meal	Focused Inspection			Xfer	EVA Proc Rvw	Camp											
	ISS									Col Final Activation					Ingr												
	Orb Att	LVLH TEA																									
*Term Fine Leak Ck																											
MET		05/0																									
		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		
FD 06	STS							EVA Prep	EVA2 - P1 NTA					Pst EVA													
	ISS							Col Commissioning	Meal	Col Commissioning																	
	Orb Att	LVLH TEA																									
MET		06/0																									
		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		
FD 07	STS							EVA Prep	Off Duty		Meal	Off Duty			EVA Proc Rvw	Camp											
	ISS							Col Commission	Handover			Exercise/Handover															
	Orb Att	LVLH TEA					Dump	LVLH TEA																			
MET		07/0																									
		1	13	14	15	16	17	18	19	20	21	22	23	07/0	1	2	3	4	5	6	7	8	9	10	11		
FD 08	STS							EVA Prep	EVA3 - Solar, CMG, EuTEF					Pst EVA													
	ISS							Col Commissioning	Meal	Col Commissioning																	
	Orb Att	LVLH TEA																									
MET		08/0																									
		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		
FD 09	STS							Reboost	Xfer	Crew Conf	Meal	Xfer	Hatch Close														
	ISS							Col Commissioning				Col Activities															
	Orb Att	LVLH TEA					Reboost	LVLH TEA																			
MET		09/0																									
		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		
FD 10	STS							Undock/ Flyaround	Dump	Late Inspection																	
	ISS									Inspection																	
	Orb Att	LVLH TEA					Undock	Dump	-ZLV, -XVV																		
MET		10/0																									
		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		
FD 11	STS					FCS C/O HF	Cabin Stow	Meal	Cabin Stow			Off															
	ISS																										
	Orb Att	-ZLV, -XVV											Dump	-ZLV, -XVV													
MET		11/0																									
		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		
FD 12	STS					IMU	D/O PREP	KSC																			
	ISS																										
	Orb Att		IMU	-XSI ENTRY																							

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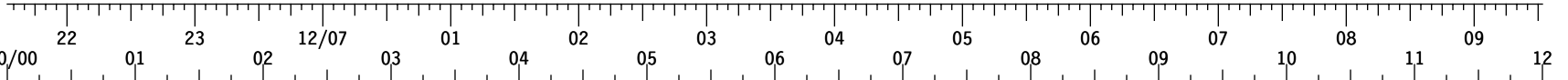
SUMMARY TIMELINE AND ISS SHORT TERM PLAN

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FD01

GMT 12/06/07 (340)

MET Day 000



STS - 122	CDR FRICK	POST INSERTION	NC1 OMS BURN	MNZLVR	GRPRDN	GPWIMDU	AFITC/O	ELEVON	BLEED	SEE SETUP	PSLEEPE	PMC A/G	PRE SLEEP	SLEEP
	PLT POINDEXTER	POST INSERTION	OMS BURN		GRPRDN		P/TV01 VIDEO SETUP			TIDPMSALGERY			PRE SLEEP#	SLEEP
	MS1 MELVIN	POST INSERTION		RMS* OMS BURN	OSCEATUP	SSSTUP	WATCCH	DSEST*					PRE SLEEP	SLEEP
	MS2 WALHEIM	POST INSERTION	OMS BURN	APCCU@		GIRA INSTALL			ETPHOTO	WEVDL			PRE SLEEP	SLEEP
	MS3 SCHLEGEL	POST INSERTION				PGSC SETUP (PART I)					WLEST	WACTH	PRE SLEEP	SLEEP
	MS4 LOVE	POST INSERTION		RMS* MCIU*		PGSC SETUP (PART I)			WATCCH				PRE SLEEP	SLEEP
	FE-2 EXP16 EYHARTS	POST INSERTION		MMS* MOUTSP									PRE SLEEP	SLEEP

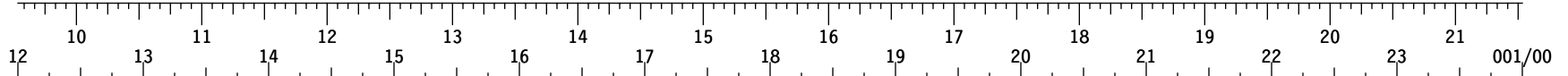
LAUNCH OMS-2

DAY/NIGHT	[Timeline with day/night bars]													
ORBIT	[Timeline with orbit parameters]													
TDRS	W -171.0	[Timeline with TDRS bars]												
	E -46.0	[Timeline with TDRS bars]												
	Z -275.0	[Timeline with TDRS bars]												
ORB ATT	Oms2	BIAS -ZLV +YVV	NC1	-ZLV -XVV	MNVR	-ZLV -XVV								
NOTES	*ON-ORBIT INIT @ACT*DATE/TIME *ORIFICE #/HUM SEP *FD1 RECONFIG *FILTER CHECK													

FD02

GMT 12/07/07 (341)

MET Day 000



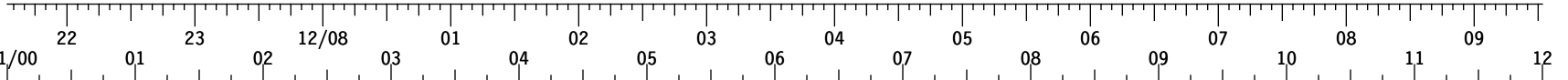
STS-122	CDR FRICK	SLEEP	POST SLEEP	OMS BURN	NC2	M-NZVLSRV	R-CM*	MSNTVBRD	STBD WING SURVEY	NOSE CAP SURVEY	MEAL	MPNOVRT	PORT WING SURVEY		
	PLT POINDEXTER	SLEEP	POST SLEEP	OMS BURN	APCUC*	P/TV01 VIDEO SETUP	CRYO 02 SNSR CK	FILTER CLEANING	O2 INIT	O2	MNOVRE	H2O CWC S/U	FCP R G * W S B	MEAL	EVA PREP FOR XFER
	MS1 MELVIN	SLEEP	POST SLEEP	RPMWRUP	RMS C/O	POST SLEEP	OBSS UNBERTH	STBD WING SURVEY				MEAL	PORT WING SURVEY		
	MS2 WALHEIM	SLEEP	POST SLEEP	OMS BURN		EMU C/O PREP	EMU C/O	EXERCISE	MEAL	EVA PREP FOR XFER					
	MS3 SCHLEGEL	SLEEP	POST SLEEP	PGSC SETUP (PART II)	ERG SETUP	EMU C/O PREP	EMU C/O	NOSE CAP SURVEY	MEAL	PORT WING SURVEY					
	MS4 LOVE	SLEEP	POST SLEEP	RPMWRUP	RMS C/O	POST SLEEP	OBSS UNBERTH	STBD WING SURVEY	NOSE CAP SURVEY	MEAL	EVA PREP FOR XFER	EXERCISE			
	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP			ERG SETUP	XFER PREP	EXERCISE	H2O CWC S/U	C I W N C I T # 1	MEAL	C T W E C R M			

DAY/NIGHT													
ORBIT	9	10	11	12	13	14	15	16					
TDRS	W -171.0												
	E -46.0												
	Z -275.0												
ORB ATT		-ZLV -XVV		NC2		STBD SURVEY		NOSE SURVEY				PORT SURVEY	
NOTES					*HEATER RCNFG			*MANUAL					
					*CONFIG								

FD02

GMT 12/07/07 (341)

MET Day 001

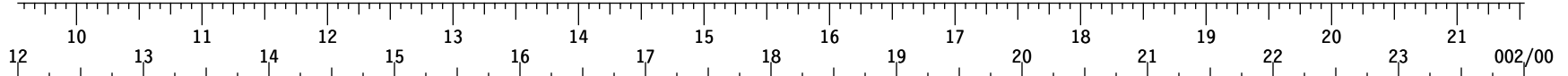


S T S - 1 2 2	CDR FRICK	PWS OIRN TGV EY	U N Z L V L E R V	A P C U 2 @	EXERCISE	NC3 +X RCS BURN	M N Z L V L E R V	F L O O T A U D E	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	PLT POINDEXTER	EXERCISE	OMS POD SRVY	FCMS C/O	+X RCS BURN	RNDZ TOOLS C/O					PRE SLEEP	SLEEP
	MS1 MELVIN	PWS OIRN TGV EY	OBSS BERTH	R M S P D N	LDRI DOWNLINK						PRE SLEEP	SLEEP
	MS2 WALHEIM				SETUP C/L CAMR	+X RCS BURN	M L H L S C/O				PRE SLEEP	SLEEP
	MS3 SCHLEGEL	PWS OIRN TGV EY			SETUP C/L CAMR	ODS RING EXT	EXERCISE		M U S		PRE SLEEP	SLEEP
	MS4 LOVE	EXER CISE	OBSS BERTH	R M S P D N	ODS RING EXT		RNDZ TOOLS C/O				PRE SLEEP	SLEEP
	FE-2 EXP16 EYHARTS					PMC A/G			M M U O S P		PRE SLEEP	SLEEP
DAY/NIGHT		[Timeline with day/night indicators]										
ORBIT		[Timeline with orbit parameters]										
TDRS		[Timeline with TDRS parameters]										
ORB ATT		[Timeline with orbit attitude parameters]										
NOTES		[Notes section]										

FD03

GMT 12/08/07 (342)

MET Day 001



S T S - 1 2 2	CDR FRICK	SLEEP	MNVR	SIMO INIT	POST SLEEP	SIMO TERM	NC4	ISS RNDZ OPS	APPROACH W/RPM	PG RPL	GR PR DN	H/O	HATCH OPEN	SFTY BRIEF	B/RSWS	02 RCNFG/PURGE
	PLT POINDEXTER	SLEEP	CDM ID	POST SLEEP	IRCTI	MGPRUB	ISS RNDZ OPS	APPROACH W/RPM	MNVR-XLV	GR PR DN	SSV	SFTY BRIEF	PST DK EVA XFR RCNFG			
	MS1 MELVIN	SLEEP	LOG	POST SLEEP	GR PR UB	POST SLEEP	P/TV02 DOCK S/U	EXERCISE	ISS RNDZ OPS	APPROACH W/RPM	PG RPL	PS T V OUP	PS T V OUP	SFTY BRIEF	CTB XFR	OG BR SPL
	MS2/EV1 WALHEIM	SLEEP		POST SLEEP		ISS RNDZ OPS	ISS RNDZ OPS	APPROACH W/RPM		DA OUC K IO		EXERCISE	SFTY BRIEF	PST DK EVA XFR RCNFG	REBA*	
	MS3/EV2 SCHLEGEL	SLEEP		POST SLEEP		ISS RNDZ OPS	MP DR DEK	EMU RMVL	P/TV02 DOCK OPS	HATCH LEAK CK	ODS PREP FOR INGR	HATCH OPEN	SFTY BRIEF	PST DK EVA XFR RCNFG	REBA*	
	MS4/EV3 LOVE	SLEEP	SLVGA	POST SLEEP	COND CWC S/U	EXERCISE	MP DR DEK	EMU RMVL	ISS RNDZ OPS	APPROACH W/RPM	HATCH LEAK CK	ODS PREP FOR INGR	POST RNDZ PGSC CONFG	SFTY BRIEF	MLES	OG BR SPL
U P	FE-2 EXP16 EYHARTS	SLEEP	SLVA	POST SLEEP		ISS RNDZ OPS	P/TV02 DOCK OPS	ISS RNDZ OPS	APPROACH W/RPM				SFTY BRIEF		OG BR SPL	
I S S	ISS CDR WHITSON	SLEEP	SLVA	POST SLEEP	DPCPW	OP RP VRFY S/U	EXERCISE CEVIS	EXERCISE RED	MIDDAY-MEAL	PHO R P M D L	PMA2 CFG	HATCH LEAK CK ISS	HATCH OPEN	SFTY BRIEF	B/RSWS	02 RCNFG/PURGE
	FE-1 MALENCHENKO	SLEEP		POST SLEEP	PW DPCPW	CT FOW	P/TV RPM VRFY S/U	COX MNT	EXERCISE TVIS	MIDDAY-MEAL	PHO R P M D L	PMA2 CFG	HATCH LEAK CK ISS	HO P A T E C H	CS O M P C L	SFTY BRIEF
D N	FE-2 TANI	SLEEP		POST SLEEP	PW DPCPW	M I N D M	EXERCISE RED	EXERCISE CEVIS	MIDDAY-MEAL	PHO R P M D L	PMA2 CFG	DOCK VIDEO	HATCH OPEN	SFTY BRIEF	DCS CNFG	OG BR SPL

DOCKING*



NOTES

*FILTER CHECK @REG RCNFG

*RPRS INIT *ACT

*RPRS TERM

***1/20:43:43**

*CSA 02 CA *INSTALL

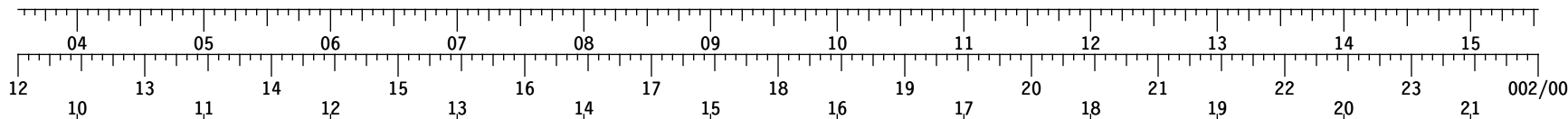
FD03

STS-122/1E JOINT MSN SHORT TERM PLAN (DOCK)

CT 12/08/07 (342)

MET Day 001

GMT 12/08/07 (342)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]													
	ORBIT	[Bar chart showing orbit cycle]													
	DAILY ORBIT	13	14	15	1	2	3	4	5	6					
	TDRS AVAIL	[Bar chart showing TDRS availability]													
VHF		ALL VHF													
ISS ATTITUDE		+XVV +ZLV TEA, MNVR TO DOCK, +XVV +ZLV, FREE DRIFT, -XVV +ZLV TEA													
TLM FORMAT SAA		JJK, JJK, JJK, JJK													

ISS	ACS-CCDB-PARAM-UPDT	ACS-CCDB-PARAM-UPDT												D O C K I N G
	ACS-GNC PPL-UPDATE	ACS-GNC PPL-UPDATE												
	SDMS-PPL-DOCKING-U/L	SDMS-PPL-DOCKING-U/L												
	COL-CC-NO OP-CMD	COL-CC-NO OP-CMD												
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP												
	SPS-PWR DWN & RCVRY	SPS-PWR DWN & RCVRY												
	MSS-POWERUP	MSS-POWERUP												
	DPC	DPC												
	ETCS-LPA TRRJ-LOCK	ETCS-LPA TRRJ-LOCK												
	PPS-SARJ-FTHR	PPS-SARJ-FTHR												
	UHF-SSSR-ACT	UHF-SSSR-ACT												
	ETCS-LPB TRRJ-LOCK	ETCS-LPB TRRJ-LOCK												
	PPS-BGA-FTHR	PPS-BGA-FTHR												
	C&T-AUDIO-CNFG	C&T-AUDIO-CNFG												
	ACS-CMG DATA-DUMP	ACS-CMG DATA-DUMP												
	CDH-PROX VAL CK-INH	CDH-PROX VAL CK-INH												
	C&T-AUDIO RSA-CNFG	C&T-AUDIO RSA-CNFG												
	ACS-H/O-USOS-TO-RS	ACS-H/O-USOS-TO-RS												
	VDS-CNFG	VDS-CNFG												
	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER												
VDS-VTR-ACT	VDS-VTR-ACT													
KU-BD-MASK-ENA	KU-BD-MASK-ENA													
ACS-PRE-ARVL-CNFG	ACS-PRE-ARVL-CNFG													
SDMS-DATA-TAKE	SDMS-DATA-TAKE													
VDS-VTR-RECORD	VDS-VTR-RECORD													
CDH-STND VAL CK-INH	CDH-STND VAL CK-INH													
ACS-PMA2-ARVL-CNFG	ACS-PMA2-ARVL-CNFG													
DOCKING	DOCKING													
ACS-POST-ARVL-CNFG	ACS-POST-ARVL-CNFG													
C&DH-DOCK-CNFG	C&DH-DOCK-CNFG													
C&T-H/L AUDIO-CNFG	C&T-H/L AUDIO-CNFG													
ACS-CMG GMBL ANG-PSN	ACS-CMG GMBL ANG-PSN													
VDS-CVIU-P/U	VDS-CVIU-P/U													
ETCS-LPA TRRJ-AUTO	ETCS-LPA TRRJ-AUTO													
KU-BD-RNDZ MASK-DIS	KU-BD-RNDZ MASK-DIS													
PPS-BGA-AUTOTRACK	PPS-BGA-AUTOTRACK													
PPS-SARJ-AUTOTRACK	PPS-SARJ-AUTOTRACK													
ACS-STG/CMG ATT-H/O	ACS-STG/CMG ATT-H/O													
ACS-MM-ACTIV W/ USTO	ACS-MM-ACTIV W/ USTO													
ETCS-LPB TRRJ-AUTO	ETCS-LPB TRRJ-AUTO													
ACS-GPS-RECENFG	ACS-GPS-RECENFG													
THC-IMV-DEP ENA	THC-IMV-DEP ENA													
ISS-RAP DPRS-INH	ISS-RAP DPRS-INH													
ETCS-PPL-INCORP	ETCS-PPL-INCORP													
MSS-LIGHTS-POWERUP	MSS-LIGHTS-POWERUP													

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ISS	LOCK-OPS-RECORDER	LOCK-OPS-RECORDER											
	OCA-MAIL-SYNC	OCA-MAIL-SYNC											
ISS	ISS-PROX MODE-XTION	ISS-PROX MODE-XTION											
	СУДН-ОГНИ-ОН	СУДН-ОГНИ-ОН											
ISS	C-COCB-FTHR	C-COCB-FTHR											
	C-COCB-MODE	C-COCB-MODE											
ISS	ISS-STAND MODE-XTION	ISS-STAND MODE-XTION											
	СЗП-АБ-PARTIAL CHRГ	СЗП-АБ-PARTIAL CHRГ											
ISS	COL-CC-NO OP-CMD	COL-CC-NO OP-CMD											

FD03

GMT 12/08/07 (342)

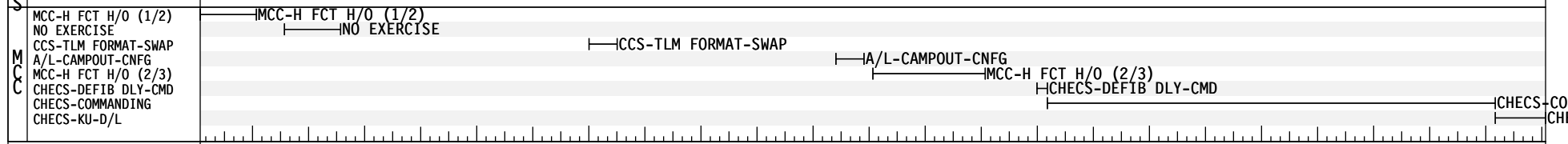
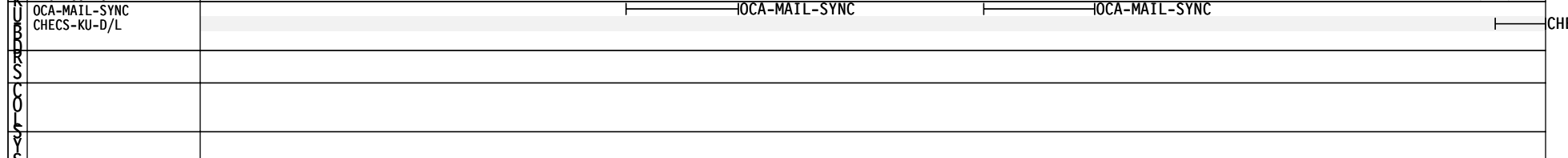
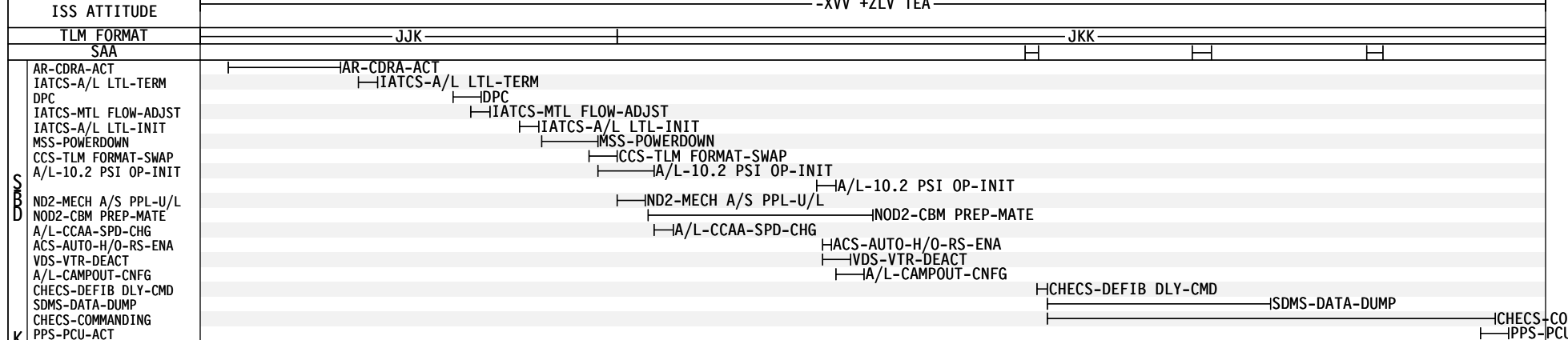
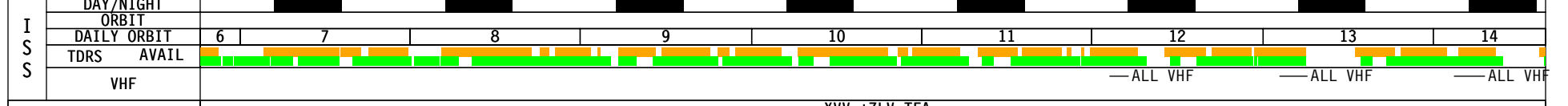
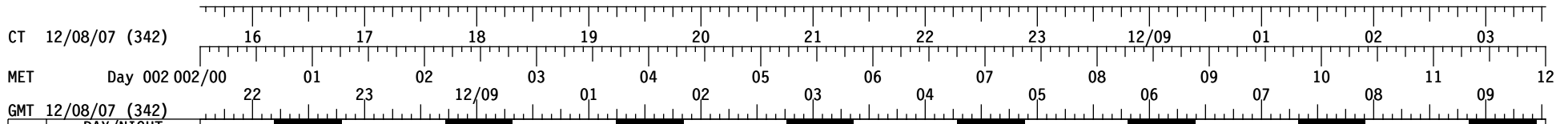
NO EXERCISE

MET Day 002 002/00 22 01 23 02 12/09 03 01 04 02 05 03 06 04 07 05 08 06 09 07 10 08 11 09 12

S T S - 1 2 2	CDR FRICK	02 RCNFG /PURGE		RGR SPL	RMS*		EVA1 PROC RVW	PMC A/G	PRE SLEEP	SLEEP		
	PLT POINDEXTER	E-LK PREP		PLYSBK			EVA1 PROC RVW		PRE SLEEP*	SLEEP		
	MS1 MELVIN	OG BR SPL	SSRMS OBSS UNBRTH		UH/GO RP		PRE SLEEP	EVA1 PROC RVW	PRE SLEEP	SLEEP		
	MS2/EV1 WALHEIM	RC E/BOA	E-LK PREP				PRE SLEEP	EVA1 PROC RVW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP
	MS3/EV2 SCHLEGEL	RC E/BOA	E-LK PREP				PRE SLEEP	EVA1 PROC RVW	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP
	MS4/EV3 LOVE	OG BR SPL	SSRMS OBSS UNBRTH		RGR SPL	RMS*	PRE SLEEP	EVA1 PROC RVW		PRE SLEEP	SLEEP	
U P	FE-2 EXP16 EYHARTS	OG BR SPL	SSRMS OBSS UNBRTH		UH/GO RP	SM SNR V MRS	DPC	EVA1 PROC RVW	PRE SLEEP-ISS	SLEEP		
I S S	ISS CDR WHITSON	02 RCNFG /PURGE		PREP WORK		SX OF DEF	DPC	EVA1 PROC RVW	PRE SLEEP-ISS	SLEEP		
	FE-1 MALENCHENKO	CSA 02 CAL		PREP WORK			DPC	EVA1 PROC RVW	PRE SLEEP-ISS	SLEEP		
D N	FE-2 TANI	OG BR SPL	SSRMS OBSS UNBRTH		UH/GO RP	SM SNR V MRS	DPC	EVA1 PROC RVW	PRE SLEEP-ISS	SLEEP		
DAY/NIGHT		[Timeline bars for Day/Night]										
ORBIT		[Timeline bars for Orbit]										
TDRS		[Timeline bars for TDRS]										
ORB ATT		[Timeline bars for Orb Att]										
NOTES		@RELEASE *MNRV-COL VIEW *√ HUM SEP BIAS -XLV -ZVV										

FD03

STS-122/1E JOINT MSN SHORT TERM PLAN



NOTES:

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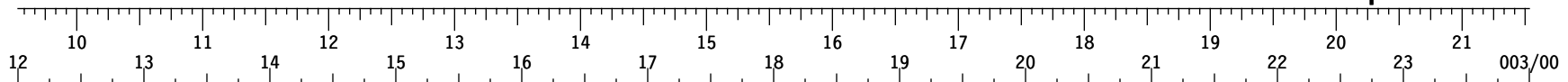
FLT PLN/122/FIN

NO EXERCISE

FD04

GMT 12/09/07 (343)

MET Day 002



STS	Activity	12	13	14	15	16	17	18	19	20	21	22	23							
STS-122	CDR FRICK	SLEEP	PS OL SE TEP	PMC A/G	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMU PREBREATHE	C LK DPRS	EXERCISE	MEAL	CWC XFER (2)	PWR FILL #1	P/TV 07	P/TV 07 EVA SPPT	MUCI PWN ICI T #3				
	PLT POINDEXTER	SLEEP	POST SLEEP				MIP CN HD UI B	P/TV07 EVA S/U	EVA1 IVA SPRT	EVA1 IVA SPRT										
	MS1 MELVIN	SLEEP	POST SLEEP				XU FR D A T	XFER OPS	KU #	SSRMS PDGF SETUP	SSRMS PDGF INSTALL	SG SR R M L S *	SSRMS COL UNBRTH							
	MS2/EV1 WALHEIM	SLEEP	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	EMU PREBREATHE	C LK DPRS	CE D L R S	PDGF SETUP	PDGF INSTALL	EVA 1 (06:30)		P1 NTA RMVL PREP							
	MS3/EV2 SCHLEGEL	SLEEP	POST SLEEP	HYG BRK/PREBREATHE	CAMPOUT EVA PREP	EMU PREBREATHE	C LK DPRS	CE D L R S	PDGF SETUP	PDGF INSTALL			P1 NTA RMVL PREP							
	MS4/EV3 LOVE	SLEEP	POST SLEEP				EXERCISE	C P B W R C S U P	X F E R \$	K U #	SSRMS PDGF SETUP	SSRMS PDGF INSTALL	SG SR R M L S *	SSRMS COL UNBRTH						
DN	FE-2 TANI	SLEEP	POST SLEEP	PREP WORK	DPC	W I N D M	P X F R E R	EXERCISE TVIS	EXERCISE RED	SSRMS PDGF SETUP	A C B M	MIDDAY-MEAL	ACS-PPRV SP SEAL-R&R	SSRMS COL UNBRTH						
	ISS CDR WHITSON	SLEEP	POST SLEEP	HYG BRK/HATCH CLS	CAMPOUT EVA PREP	EMU PREBREATHE	C LK DPRS	EXERCISE RED	MIDDAY-MEAL	VEST OUTFIT PREP	VAJ S/U									
ISS	FE-1 MALENCHENKO	SLEEP	POST SLEEP	PREP WORK	DPC	H I N D M	I E L K R M V L	I E L K I N S T & C / O	EXERCISE TVIS	S L O K C O K L	S O K L D R Y	MIDDAY-MEAL	G L O V E	C O X M N T	S C O L K S O L	P 5 0 - 3 - 2 I N I T				
	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP	PREP WORK	DPC	I E L K R M V L & X F E R	I E L K I N S T & C / O	C M S O V	I P U N W S S O P T L	A D A P T	R E D H / O	S L O K C O K L	A D A P T	A C B M	MIDDAY-MEAL	P F A S / U	VEST OUTFIT PREP	A D A P T		
DAY/NIGHT ORBIT		40	41	42	43	44	45	46	47	48										
TDRS		W -171.0	E -46.0	Z -275.0																
ORB ATT		BIAS -XLV -ZVV																		
NOTES		*FILTER CHECK													#STOW ^POWERDOWN \$PCMCIA-SSC		*RPRS INIT		*RPRS TERM *SSRMS PWR LATCHES CONNECTED	

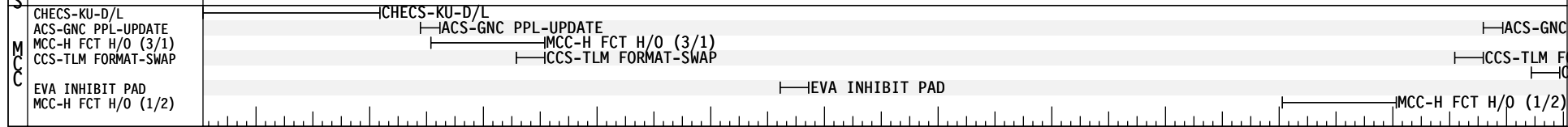
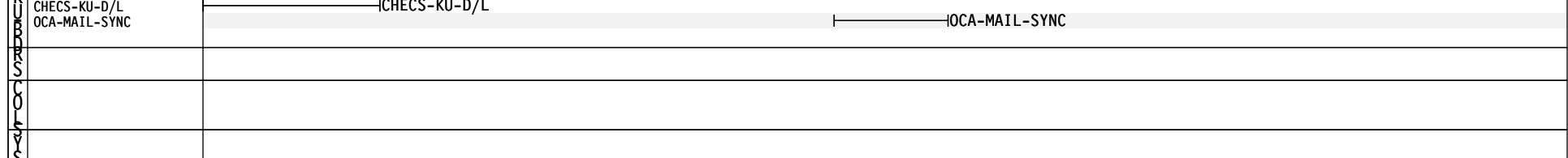
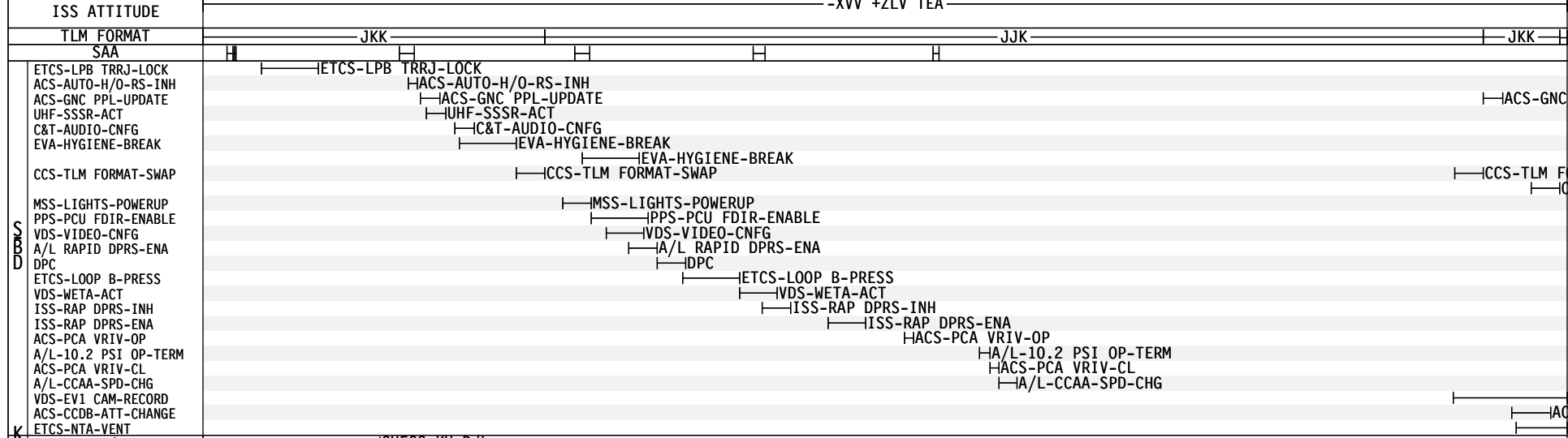
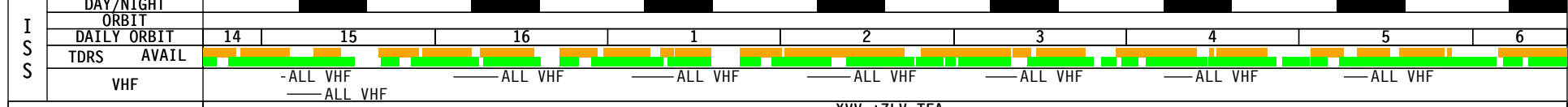
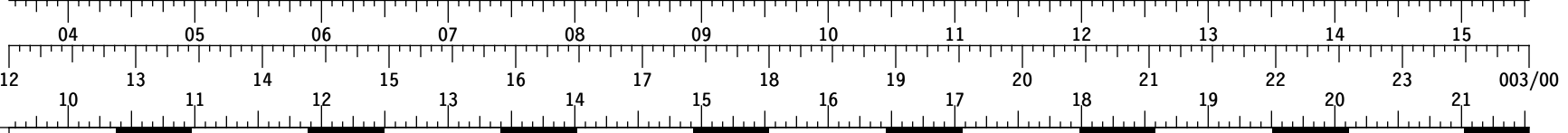
FD04

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/09/07 (343)

MET Day 002

GMT 12/09/07 (343)



NOTES:

NO EXERCISE

FD04

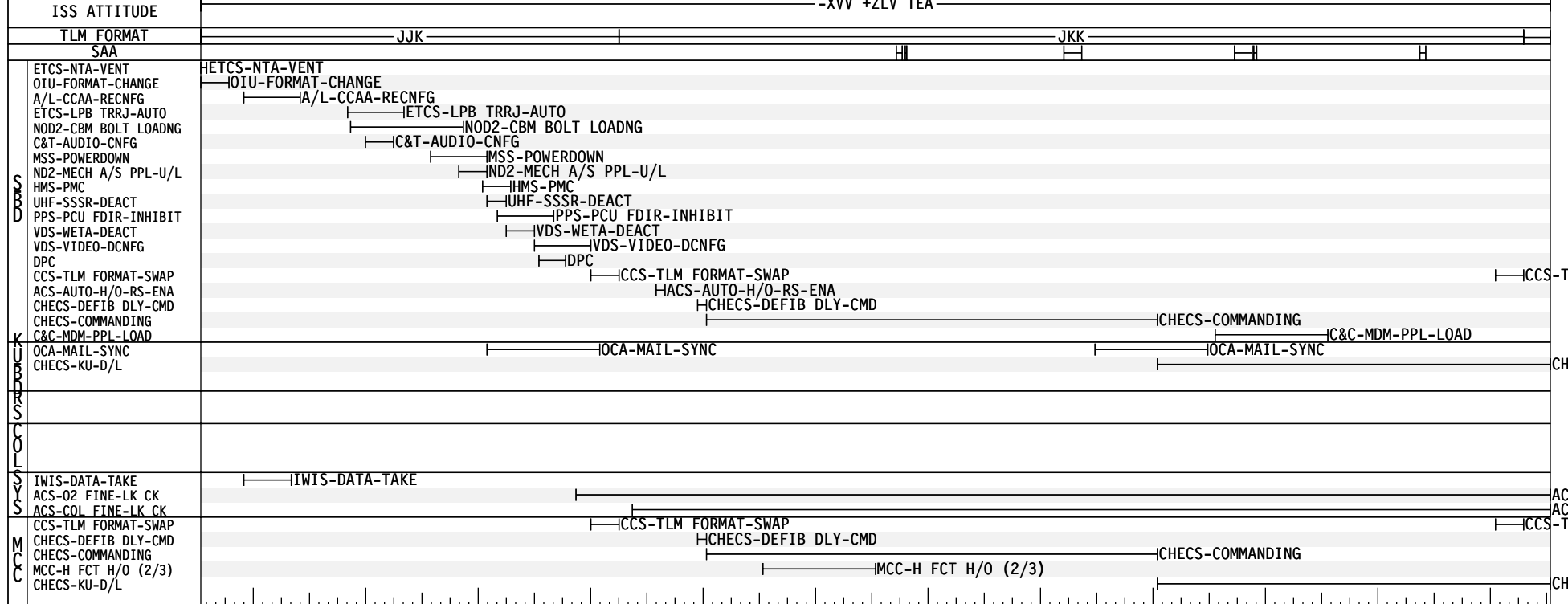
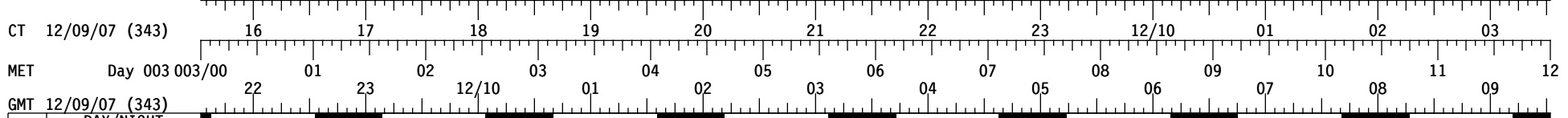
GMT 12/09/07 (343)

MET Day 003

		003/00		01	02	03	04	05	06	07	08	09	10	11	12				
S T S - 1 2 2	CDR FRICK	P/TV07 EVA SPPT		CTWERM	CXWFER	POST EVA W/H2O,METOX		PMC A/G	PRE SLEEP				SLEEP						
	PLT POINDEXTER	EVA1 IVA SPPT		PRPSS	CDM*	EXERCISE		LLCC@%	PRE SLEEP				SLEEP						
	MS1 MELVIN	SSRMS COL UNBRTH	1ST STG CAP	2ND STG CAP	SAFE	XFER OPS		XTRFGR	BRIEF	PRE SLEEP				SLEEP					
	MS2/EV1 WALHEIM	P1 NTA RMVL PREP		CLNUP & INGRS	PRPSS	POST EVA W/H2O,METOX			PRE SLEEP				SLEEP						
	MS3/EV2 SCHLEGEL	P1 NTA RMVL PREP		CLNUP & INGRS	PRPSS	POST EVA W/H2O,METOX		MUS	PRE SLEEP				SLEEP						
	MS4/EV3 LOVE	SSRMS COL UNBRTH	1ST STG CAP	2ND STG CAP	ACQTS	BSAFE	CBCS CAMRA RMV	XFER OPS	XTRFGR	BSA INIT	PRE SLEEP				SLEEP				
D N	FE-2 TANI	SSRMS COL UNBRTH	1ST STG CAP	2ND STG CAP	ACQTS	BSAFE	POST EVA W/H2O,METOX		DZL#	O2LKL	PW	PRE SLEEP-ISS				SLEEP			
	ISS CDR WHITSON	VAJS/U	NODE2 QD DISCNCT		EXERCISE CEVIS		LKPK	REPAID	PS	DPC	LKCK	PSA	PRE SLEEP-ISS				SLEEP		
I S S	FE-1 MALENCHENKO	LOVE	PREP WORK		VELO		DWNLDP	PWORK	DPC	PWORK	PRE SLEEP-ISS				SLEEP				
	FE-2 EXP16 EYHARTS	ADAPT	1ST STG CAP	2ND STG CAP	ACQTS	ADAPT	PREP WORK	CH/EVOIS	PMCU	MOSP	DPC	PWORK	PRE SLEEP-ISS				SLEEP		
DAY/NIGHT		48		49		50		51		52		53		54		55		56	
ORBIT		48		49		50		51		52		53		54		55		56	
TDRS		W -171.0		E -46.0		Z -275.0													
ORB ATT																			
NOTES				*BATT C/O		@ACT		*CHECK-INIT		BIAS -XLV -ZVV									

FD04

STS-122/1E JOINT MSN SHORT TERM PLAN

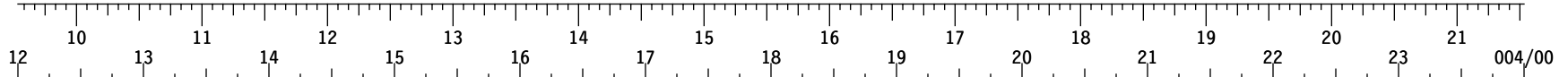


NOTES:

FD05

GMT 12/10/07 (344)

MET Day 003



S T S - 1 2 2	CDR FRICK	SLEEP	POST SLEEP	PEAVOENNT	FI DOUG REVIEW	IM	XFER OPS	MEAL	FOCUSED INSPECTION										
	PLT POINDEXTER	SLEEP	POST SLEEP	CMWICUS#4	CIWNCT#4	XFER OPS	CTWERM	CIWNCT#5	EXERCISE	CTWERM	CIWNCT#6	MEAL	CTWERM	CWC XFER (3)	XFER OPS	PWR FILL #2			
	MS1 MELVIN	SLEEP	POST SLEEP	XUFRDATT	P/TV 05/S/U	PEAVOENNT	FI DOUG REVIEW	SSRMS UNGRP COL-MNVR	SSRMS FI MNVR	KU*	KU\$	MEAL	FOCUSED INSPECTION						
	MS2/EV1 WALHEIM	SLEEP	POST SLEEP	ALSOPGRN	PEAVOENNT	EXERCISE	XFER OPS			MEAL	BSA-T	EMU INIT	E-LK PREP	TOOL CONFIG					
	MS3/EV2 SCHLEGEL	SLEEP	POST SLEEP	#	DSK CVR RMV & STRAP	PJWMPR	HWAIRD	1553 DATA	FWD & AFT CPA RMV	ITCSPJMPRN	MEAL	BMTM AENETXT/L	E-LK PREP	TOOL CONFIG					
	MS4/EV3 LOVE	SLEEP	POST SLEEP	SLVGA	N2 DDCU PWRDN	PEAVOENNT	FI DOUG REVIEW	SSRMS UNGRP COL-MNVR	SSRMS FI MNVR	KU*	KU\$	P G S C ^	MEAL	FOCUSED INSPECTION					
D N	FE-2 TANI	SLEEP	POST SLEEP	SLVVA	PWLLK	DPC	PWPERK	H/O	S/U	H/O	IWIS D/L	SSRMS UNGRP COL-MNVR	SODF DPLY	EXERCISE RED	OVHD & DECK CPA RMV	MIDDAY-MEAL	XFER OPS	DCB UNPACK	*
	ISS CDR WHITSON	SLEEP	POST SLEEP	SLVVA	PREP WORK	DPC	LKCKT/D	PFA	DSK CVR RMV & STRAP	PJWMPR	HWAIRD	1553 DATA	FWD & AFT CPA RMV	OVHD & DECK CPA RMV	MIDDAY-MEAL	OVHD & DECK CPA RMV	CJOMDR	FIBER	RED
I S S	FE-1 MALENCHENKO	SLEEP	POST SLEEP	PREP WORK	DPC	ΦN-8	BMCTO2	COX MNT	ALC	ИПАК PREP	ИПАК1 SMPL	COTP KOHTYP MNT	EXERCISE TVIS	MIDDAY-MEAL	COTP KOHTYP MNT				
	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP	PREP WORK	DPC	PMC	H/O	S/U	H/O	ADAPT	PARTL INGRS	NPRV INV SPLY VLV	ADAPT	IMV SPLY DCT	A D A P T	MIDDAY-MEAL	OVHD & DECK CPA RMV	NPRV RTRN VLV	IMV RTRN DUCT
DAY/NIGHT		[Bar chart showing day/night cycle]																	
ORBIT		[Bar chart showing orbit parameters]																	
TDRS		[Bar chart showing TDRS parameters]																	
ORB ATT		[Bar chart showing orbit attitude]																	
NOTES		#SSRMS PWR LATCHES DISCONNECT @CB-BΠx0-BΠpK-MNT *FILTER CHECK \$ACT *DEPLOY ^CHECK @TERM *EXERCISE T																	

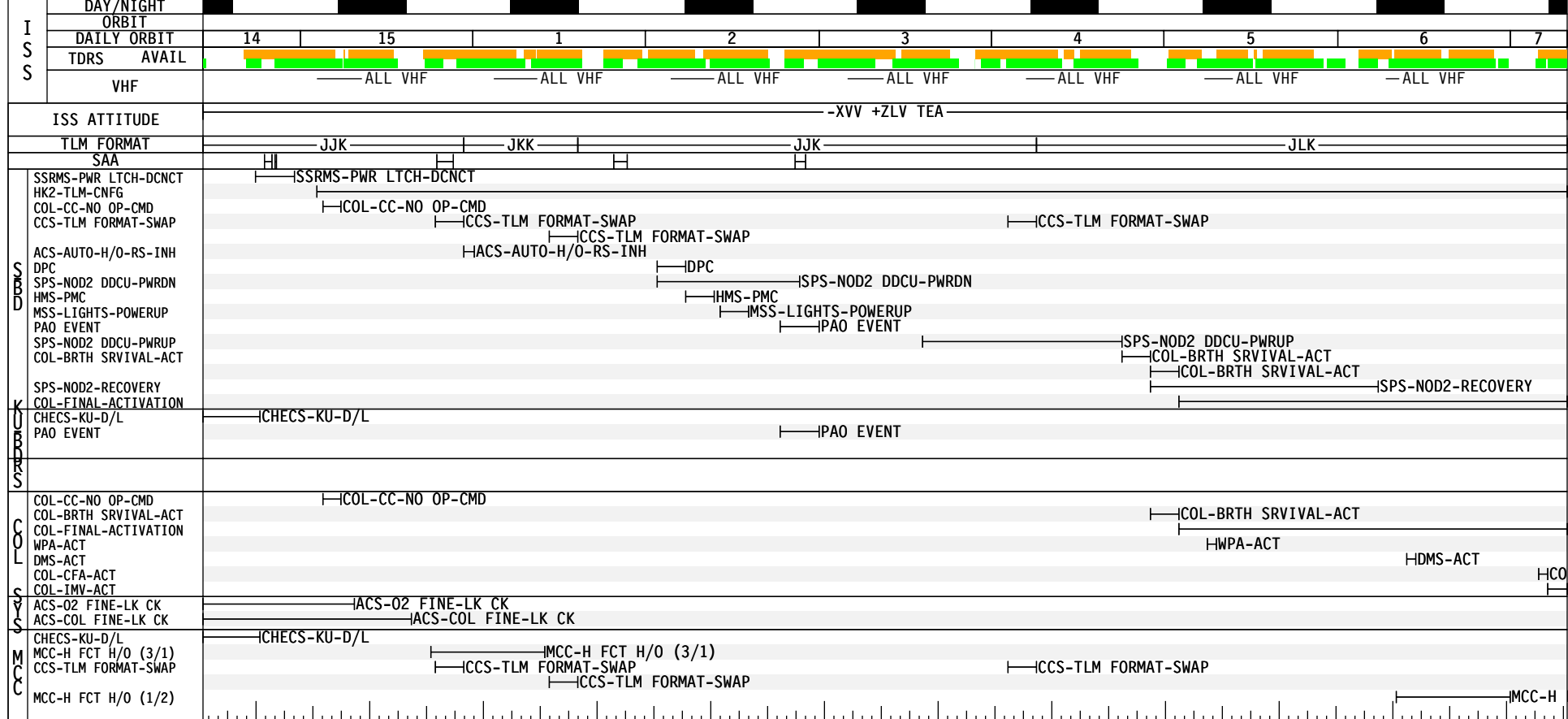
FD05

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/10/07 (344) 04 05 06 07 08 09 10 11 12 13 14 15

MET Day 003 12 10 13 11 14 12 15 13 16 14 17 15 18 16 19 17 20 18 21 19 22 20 23 21 004/00

GMT 12/10/07 (344)



NOTES:

FD05

GMT 12/10/07 (344)

MET Day 004

		22		01		23		02		12/11		03		01		04		02		05		03		06		04		07		05		08		06		09		07		10		08		11		09		12	
S T S - 1 2 2	CDR FRICK	FOCUS INSPECTION		EXERCISE		EVA2 PROC REVIEW		PMC A/G	PRE SLEEP	PEAVOENT	PRE SLEEP										SLEEP																												
	PLT POINDEXTER	PWR FILL #3	PWR FILL #4	CDM*	P/TV05 S/U	P/TV07 EVA S/U	EVA2 PROC REVIEW		PRE SLEEP	PEAVOENT	PRE SLEEP										SLEEP																												
	MS1 MELVIN	FOCUS INSPECTION		SSRMS MNVR PARK		XTFAEGR	BITLUM*	EVA2 PROC REVIEW		PRE SLEEP										SLEEP																													
	MS2/EV1 WALHEIM	*	XFER OPS		PRE SLEEP		EVA2 PROC REVIEW		PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP																																					
	MS3/EV2 SCHLEGEL	⊕	EXERCISE		PRE SLEEP		EVA2 PROC REVIEW		MUS	PRE SLEEP	PEAVOENT	P	MASK PB/TOOL CONFIG	PRE SLEEP	SLEEP																																		
	MS4/EV3 LOVE	FOCUS INSPECTION		SSRMS MNVR PARK		XTFAEGR	EVA2 PROC REVIEW		PRE SLEEP										SLEEP																														
D N	FE-2 TANI	EXERCISE	TVIS	DCS TRN	PREP WORK	XTFAEGR	DPC	EVA2 PROC REVIEW		PREP WORK	PRE SLEEP-ISS										SLEEP																												
I S S	ISS CDR WHITSON	RED	TVIS		DPC		EVA2 PROC REVIEW		PREP WORK	PRE SLEEP-ISS										SLEEP																													
	FE-1 MALENCHENKO	♦	VELO		PWR PERK	DPC	EVA2 PROC REVIEW		PREP WORK	PRE SLEEP-ISS										SLEEP																													
U P	FE-2 EXP16 EYHARTS	⊕	INSTL PART POSTS	ADAPT	PFA	PREP WORK	DPC	EVA2 PROC REVIEW		PREP WORK	PRE SLEEP-ISS										SLEEP																												
DAY/NIGHT		ORBIT		64		65		66		67		68		69		70		71		72																													
TDRS		W -171.0																																															
		E -46.0																																															
		Z -275.0																																															
ORB ATT																																																	
NOTES		*TOOL CONFIG*BATT C/O *ON																																															
		⊕TOOL CONFIG																																															
		▲COTP KOHTYP MNT																																															
		⊕PBA PFEK																																															

FD05

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/10/07 (344) 16 17 18 19 20 21 22 23 12/11 01 02 03

MET Day 004 004/00 22 01 23 02 12/11 03 04 05 06 07 08 09 10 11 12

GMT 12/10/07 (344) 22 23 12/11 01 02 03 04 05 06 07 08 09

ISS	DAY/NIGHT	[Black/White alternating blocks]														
	ORBIT	[Black/White alternating blocks]														
	DAILY ORBIT	[Black/White alternating blocks]														
	TDRS AVAIL	[Green bars]														
VHF	- ALL VHF - ALL VHF - ALL VHF - ALL VHF - ALL VHF															

ISS ATTITUDE -XVV +ZLV TEA

TLM FORMAT SAA J L K - J J K - J K K -

DMS	HK2-TLM-CNFG	IHK2-TLM-CNFG														
	COL-FINAL-ACTIVATION	ICOL-FINAL-ACTIVATION														
	CCS-TLM FORMAT-SWAP	ICCS-TLM FORMAT-SWAP														
	IATCS-A/L LTL-TERM	IATCS-A/L LTL-TERM														
	DMS-MMC-SWOP CNFG	IDMS-MMC-SWOP CNFG														
	COL-FULL LOG FILE-DL	ICOL-FULL LOG FILE-DL														
	DPC	IDPC														
	MSS-POWERDOWN	IMSS-POWERDOWN														
	COL-PL C&W-CNFG1	ICOL-PL C&W-CNFG1														
	IATCS-A/L LTL-INIT	IATCS-A/L LTL-INIT														
HK2-NOM TLM-CNFG	IHK2-NOM TLM-CNFG															
A/L-10.2 PSI OP-INIT	IA/L-10.2 PSI OP-INIT															
PPS-LST-UPLINK	IPPS-LST-UPLINK															
A/L-CCAA-SPD-CHG	IA/L-CCAA-SPD-CHG															
A/L-CAMPOUT-CNFG	IA/L-CAMPOUT-CNFG															
ACS-AUTO-H/O-RS-ENA	IACS-AUTO-H/O-RS-ENA															
CHECS-DEFIB DLY-CMD	ICHECS-DEFIB DLY-CMD															
CHECS-COMMANDING	ICHECS-COMMANDING															
COL-LOG FILE-D/L	ICOL-LOG FILE-D/L															
DMS-SMALL FILE-UPLK	IDMS-SMALL FILE-UPLK															
DMS-LARGE FILE-UPLK	IDMS-LARGE FILE-UPLK															
DMS-MMU-FILE DNK	IDMS-MMU-FILE DNK															
COL-FULL LOG FILE-DL	ICOL-FULL LOG FILE-DL															
COL-LOG FILE-D/L	ICOL-LOG FILE-D/L															
CHECS-KU-D/L	ICHECS-KU-D/L															

LOG	COL-FINAL-ACTIVATION	ICOL-FINAL-ACTIVATION														
	COL-CFA-FNL ACT	ICOL-CFA-FNL ACT														
	DMS-NOM SBD PKT-CNFG	IDMS-NOM SBD PKT-CNFG														
	DMS-NOM KBD PKT-CNFG	IDMS-NOM KBD PKT-CNFG														
	DMS-MMC-SWOP CNFG	IDMS-MMC-SWOP CNFG														
	COL-FULL LOG FILE-DL	ICOL-FULL LOG FILE-DL														
	ECS-CAB SD1 LMT-UPDT	ICECS-CAB SD1 LMT-UPDT														
	ECS-CAB SD2 LMT-UPDT	ICECS-CAB SD2 LMT-UPDT														
	DMS-ACS-DSBL	IDMS-ACS-DSBL														
	COL-LOAD SHED-CNFG	ICOL-LOAD SHED-CNFG														
	TCS-WOOV-ADJUST	ITCS-WOOV-ADJUST														
	ECS-CHX DP MEAN-ENA	IECS-CHX DP MEAN-ENA														
	ECS-HCU1 HTR-C/O	IECS-HCU1 HTR-C/O														
	COL-PL C&W-CNFG2	ICOL-PL C&W-CNFG2														
	COL-LOG FILE-D/L	ICOL-LOG FILE-D/L														
ECS-HCU2 HTR-C/O	IECS-HCU2 HTR-C/O															
DMS-VTC TM PKT-CNFG	IDMS-VTC TM PKT-CNFG															
DMS-NOM TM PKT-CNFG	IDMS-NOM TM PKT-CNFG															
DMS-SMALL FILE-UPLK	IDMS-SMALL FILE-UPLK															
DMS-LARGE FILE-UPLK	IDMS-LARGE FILE-UPLK															
DMS-MMU-FILE MGMT	IDMS-MMU-FILE MGMT															
DMS-MMU-FILE DNK	IDMS-MMU-FILE DNK															

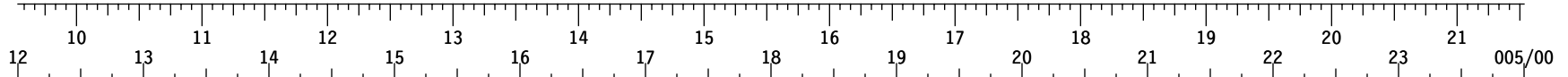
CCS-TLM FORMAT-SWAP ICSS-TLM FORMAT-SWAP

A/L-CAMPOUT-CNFG IA/L-CAMPOUT-CNFG MCC-H FCT H/O (2/3) ICHECS-DEFIB DLY-CMD

FD06

GMT 12/11/07 (345)

MET Day 004



S T S - 1 2 2	CDR FRICK	SLEEP	PS O L S E T E P	PMC A/G	POST SLEEP	HYG BRK/ HATCH CLS	CAMP OUT	EVA PREP	EP M U R G E	EMU PREB REATH E	C LK DPRS	C I W N I T # 7	P/TVO7 EVA SPPT	C T W E R M # 8	C I W N I T # 8	MEAL	C T W E R M # 9	C I W N I T # 9	P/TVO7 EVA SPPT	C T W E R M	CWC XFER (3)
	PLT POINDEXTER	SLEEP	POST SLEEP			EXERCISE			I P N A H D I B	EVA2 IVA SPPT PREP	EVA2 IVA SPPT										
	MS1 MELVIN	SLEEP	POST SLEEP			X F P R D S A T	I L U M *	EXERCISE		XFER OPS		SSRMS P1 NTA R&R									
	MS2/EV1 WALHEIM	SLEEP	POST SLEEP	HYG BRK/ PREBREATHE		CAMP OUT		EVA PREP	EP M U R G E	EMU PREB REATH E	C LK DPRS	EVA 2 (06:30)		P1 NTA RMLV FROM PLB		P1 NTA INSTALL		NTA STOW IN PLB			
	MS3/EV2 SCHLEGEL	SLEEP	POST SLEEP	HYG BRK/ PREBREATHE		CAMP OUT		EVA PREP	EP M U R G E	EMU PREB REATH E	C LK DPRS	EVA 2 (06:30)		P1 NTA RMLV FROM PLB		P1 NTA INSTALL		NTA STOW IN PLB			
	MS4/EV3 LOVE	SLEEP	POST SLEEP			XFER OPS			EXERCISE			SSRMS P1 NTA R&R									
D N	FE-2 TANI	SLEEP	POST SLEEP		PREP WORK	DPC	INSTL HNDRL	V I B N A S T L	DSTW INSTL FOOT LPS	COL SSC ACT	R S V O L F W G	P D W I S S T	INSTL PWS	PWS ACT	EXERCISE RED	MIDDAY-MEAL	RELOCATE EPM - A3	PCS ACT	E M U - T	TVIS	
	ISS CDR WHITSON	SLEEP	POST SLEEP		HYG BRK/ HATCH CLS	CAMP OUT		EVA PREP	EP M U R G E	EMU PREB REATH E	C LK DPRS	INSTL D3 FLOOR PANEL	A K I 3 B N F A S T R T L	EXERCISE CEVIS		MIDDAY-MEAL		EPM SF RMV		♦	
I S S	FE-1 MALENCHENKO	SLEEP	POST SLEEP		PREP WORK	DPC	M I M D W	МБИ-21- FE1-EXE	СУБА СД1-7 REPLC	EXERCISE TVIS			COX MNT	MIDDAY-MEAL		ГФМ-1-FE-OBS			V E L O		
	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP		PREP WORK	DPC	E T H E R	A D A P T	V I B N A S T L	R M V D 3 FLOOR PNL	R M V D 2 FLOOR PNLS	R S V O L F W G	R M V D P A R T C V R S	INSTL D2 FLOOR PANEL	INSTL VCA2	P F A P F A T / D S / U	MIDDAY-MEAL		RELOCATE EPM - A3	R M V D 1 FLOOR PANEL	U N L K W P A A V M
DAY/NIGHT		[Bar chart showing day/night cycle]																			
ORBIT		[Bar chart showing orbit parameters]																			
TDRS		[Bar chart showing TDRS parameters]																			
ORB ATT		[Bar chart showing orbit attitude]																			
NOTES		<p>-ISS EXTERNAL SURVEY-</p> <p>*OFF</p> <p>*MNVR-EVA2 VIEW</p> <p>BIAS -XLV -ZVV</p> <p>@COMMS-VCA2-CNFG</p>																			

♦SSPTS ROU
♦SSPTS ROU
♦EXERCISE R
♦UNLK CMA

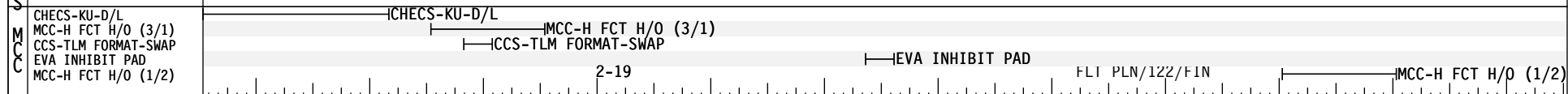
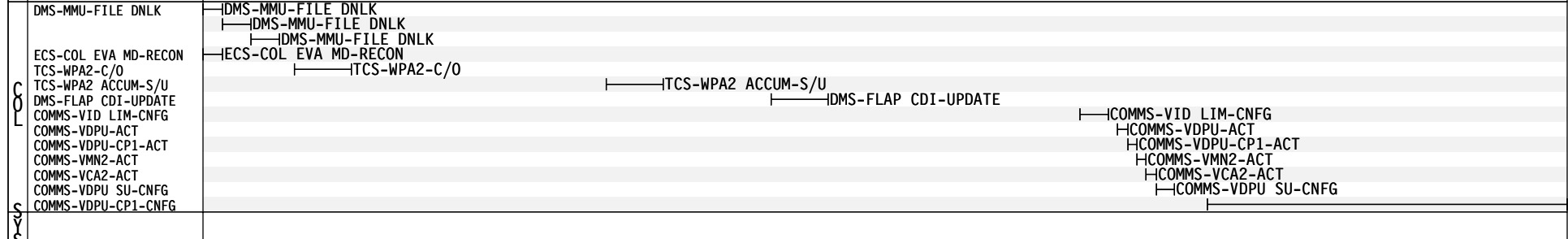
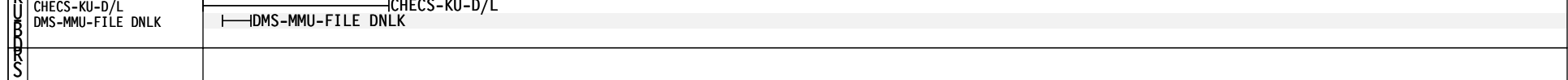
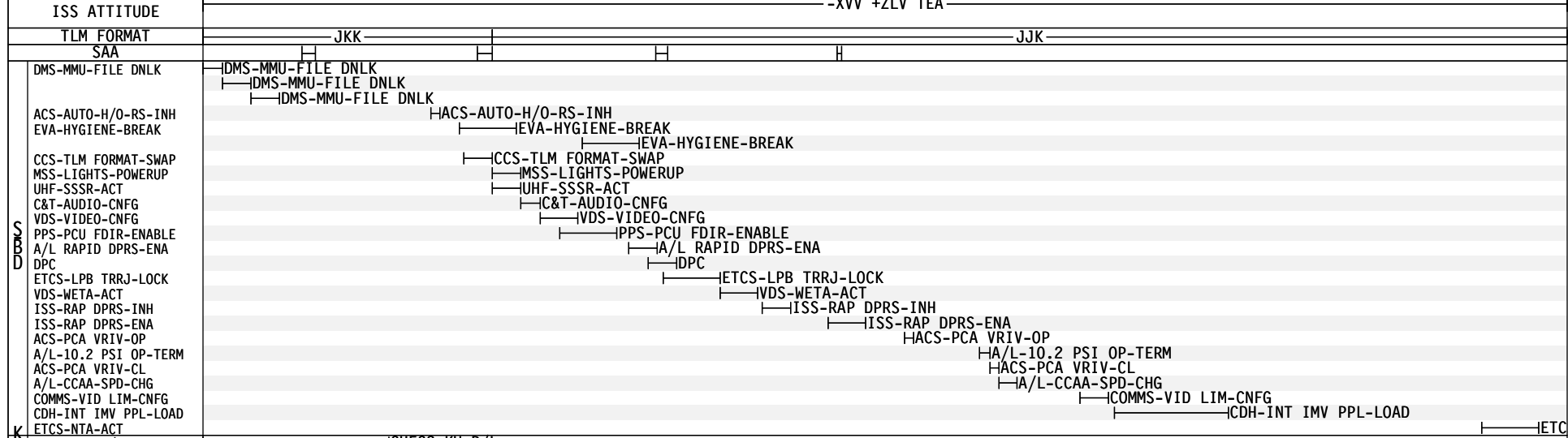
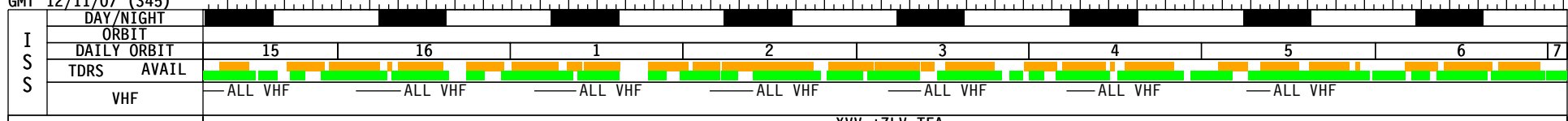
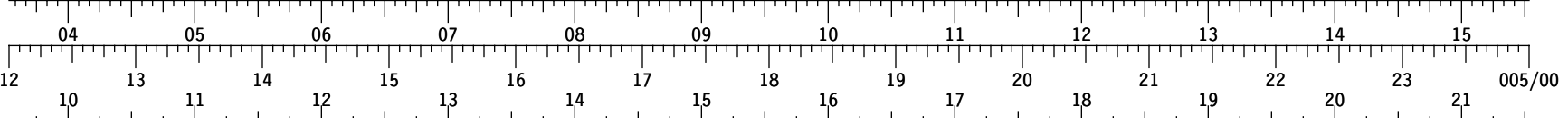
FD06

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/11/07 (345)

MET Day 004

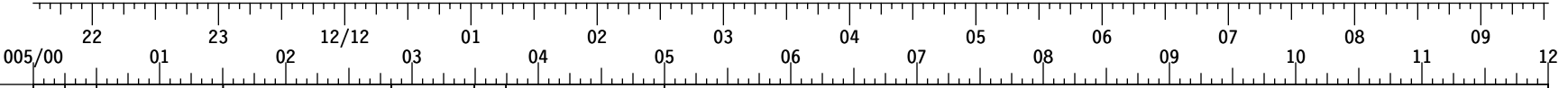
GMT 12/11/07 (345)



FD06

GMT 12/11/07 (345)

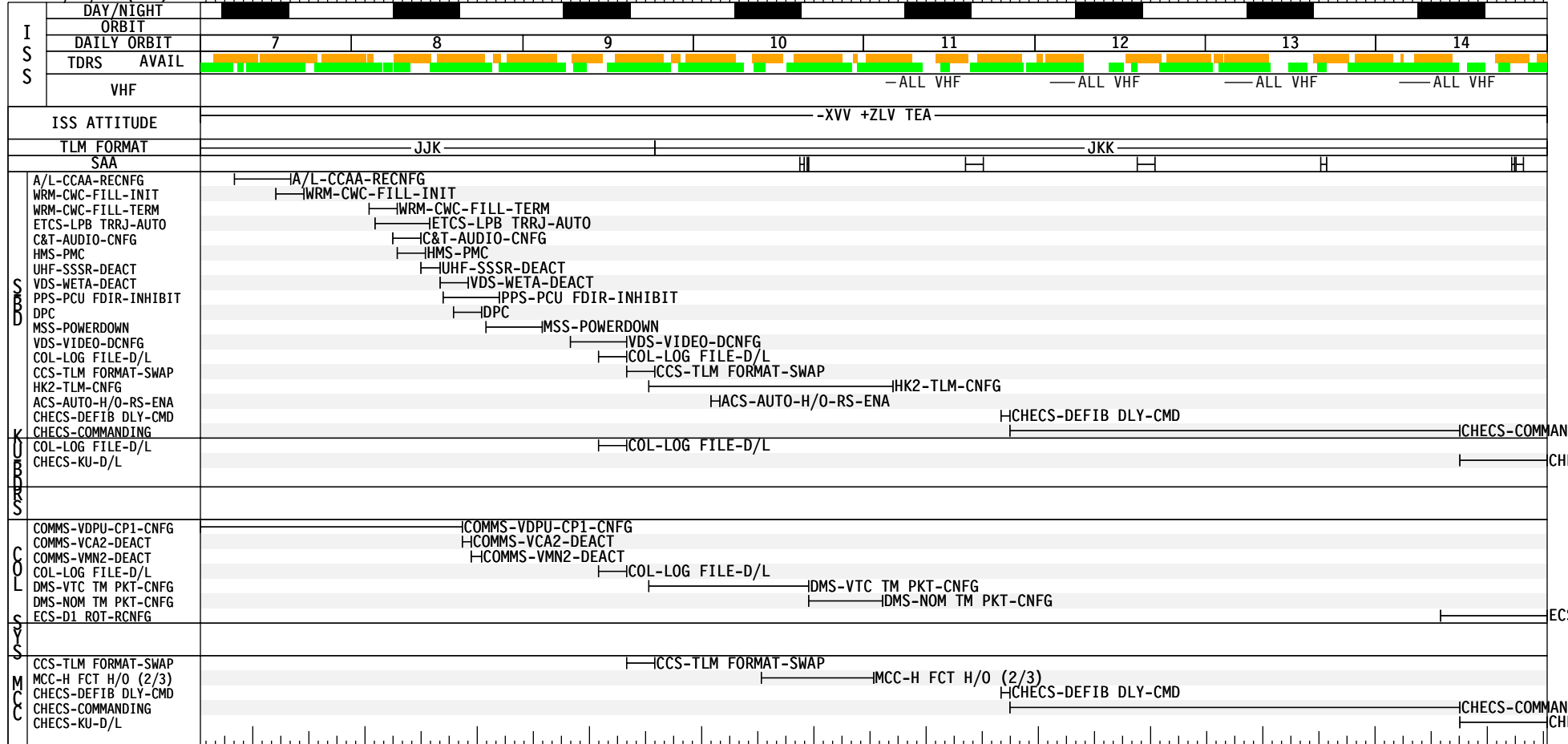
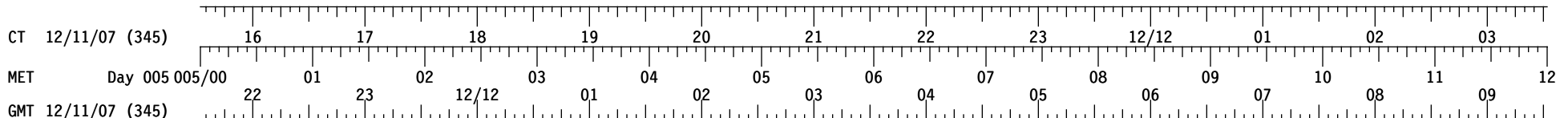
MET Day 005



S T S - 1 2 2	CDR FRICK	*	EXERCISE	POST EVA W/H2O,METOX	PRE SLEEP	PMC OCA	PRE SLEEP	SLEEP			
	PLT POINDEXTER	EVA2 IVA SPRT	RRRS	FILTER INSPECT	PRE SLEEP	EVA 3 TOOL CONFIG	PRE SLEEP	SLEEP			
	MS1 MELVIN	SSRMS P1 NTA R&R	RRRS	XTFER OPS	BTFAIEF		PRE SLEEP	SLEEP			
	MS2/EV1 WALHEIM	SSPTS ROUTING	CLNUP & INGRS	RRRS	POST EVA W/H2O,METOX		PRE SLEEP	SLEEP			
	MS3/EV2 SCHLEGEL	SSPTS ROUTING	CLNUP & INGRS	RRRS	POST EVA W/H2O,METOX		PRE SLEEP	SLEEP			
	MS4/EV3 LOVE	SSRMS P1 NTA R&R	RRRS	XTFER OPS	BTFAIEF	PRE SLEEP	EVA 3 TOOL CONFIG	PRE SLEEP	SLEEP		
D N	FE-2 TANI	TVIS	CINWINT	H/O	CTWEICRME	FCRORP	PWROPERK	DPC	PRE SLEEP-ISS	SLEEP	
I S S	ISS CDR WHITSON	EXERCISE RED		PWROPERK	POST EVA W/H2O,METOX	BSA INIT	D	PRE SLEEP-ISS	SLEEP		
	FE-1 MALENCHENKO	VELO	GLOVE		PREP WORK	D	PWROPERK	DPC	PRE SLEEP-ISS	SLEEP	
U P	FE-2 EXP16 EYHARTS	UNLK CWSA AVM	INSTL D1 FLOOR PANEL	H/O	PWROPERK	PMC	PWROPERK	DPC	PRE SLEEP-ISS	SLEEP	
DAY/NIGHT		ORBIT		W		E		Z		ORB ATT	
		80		81		82		83		84	
		-171.0		-46.0		-275.0					
										BIAS -XLV -ZVV	
NOTES		*CWC XFER (3)		*MNVR-COL VIEW		#EVA Image Downlink					

FD06

STS-122/1E JOINT MSN SHORT TERM PLAN

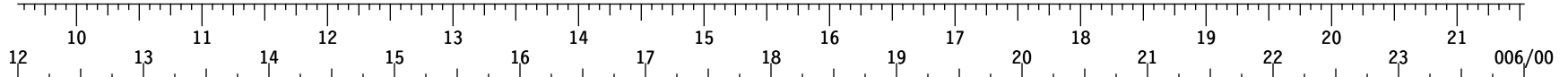


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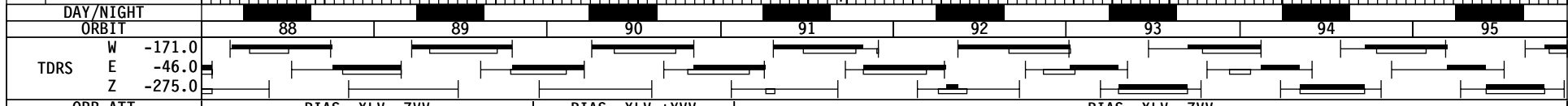
FD07

GMT 12/12/07 (346)

MET Day 005



S T S - 1 2 2	CDR FRICK	SLEEP	POST SLEEP	H/O M D N U M P R P W I N I T T E	POST SLEEP	W A E R M T E R H I M O E S A O E P E N T	EXERCISE	OFF DUTY	MEAL	PFC OCA	OFF DUTY			
	PLT POINDEXTER	SLEEP	POST SLEEP	EXERCISE	M C I M * N 2 *	PWR FILL #5	PWR FILL #6	COND CWC C/O	P/TVO7 EVA S/U	N 2 *	OFF DUTY	MEAL	OFF DUTY	
	MS1 MELVIN	SLEEP	POST SLEEP	P/TVO5 S/U	EXERCISE	RELOCATE EDR - F1	OFF DUTY	PFC OCA	MEAL	OFF DUTY				
	MS2/EV1 WALHEIM	SLEEP	POST SLEEP	EMU RCNFG/ SWAP	B M I A E N T T S E L K P R E P	OFF DUTY	MEAL	OFF DUTY	PFC OCA	OFF DUTY	EXERCISE			
	MS3/EV2 SCHLEGEL	SLEEP	POST SLEEP	EXERCISE	E L P S	E P E S A O E P E N T	RELOCATE EDR - F1	M E L I O S	OFF DUTY	MEAL	OFF DUTY	PFC OCA	OFF DUTY	
	MS4/EV3 LOVE	SLEEP	POST SLEEP	EMU RCNFG/ SWAP	B M I A E N T T S E L K P R E P	OFF DUTY	EXERCISE	MEAL	OFF DUTY	PFC OCA	OFF DUTY			
D N	FE-2 TANI	SLEEP	POST SLEEP	P W R O P K D P C	I B N S T L R D C S C T R N S	PAO S/U	EXERCISE TVIS	EXERCISE RED	HANDOVER	P R E P P E A V E N T	MIDDAY-MEAL	HANDOVER		
	ISS CDR WHITSON	SLEEP	POST SLEEP	P W R O P K D P C	E P M U M B M A T E D 1 R T P P R V L R E P L C	ROTATE D1 RACK	E P E S A O E P E N T	N2 JUMPERS & PURGE	M E T X * S /	P R E P P E A V E N T	MIDDAY-MEAL	B S A - T E M U I N I T I A P E	EXERCISE CEVIS	EXER RED
I S S	FE-1 MALENCHENKO	SLEEP	POST SLEEP	P R E P W O R K D P C	H3-ETD-EXE	Φ-CB ΠC MNT	CBO CPBK ΦTC MNT	VELO	Γ M A N H T K	P R E P P E A V E N T	MIDDAY-MEAL	CBO-3 EDB PRIM1 MNT	COX MNT	EXERCISE TVIS
	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP	P W R O P K D P C	ROTATE D1 RACK	UNLK CFA AVM	ROTATE D1 RACK	E P E S A O E P E N T	ADAPT PMC	HANDOVER	ADAPT	MIDDAY-MEAL	HANDOVER	
U P	FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP	P W R O P K D P C	ROTATE D1 RACK	UNLK CFA AVM	ROTATE D1 RACK	E P E S A O E P E N T	ADAPT PMC	HANDOVER	ADAPT	MIDDAY-MEAL	HANDOVER	



NOTES

*BATT C/O
*FILTER CHECK
*RPRS INIT

*RPRS TERM *TERM
@DISABLE

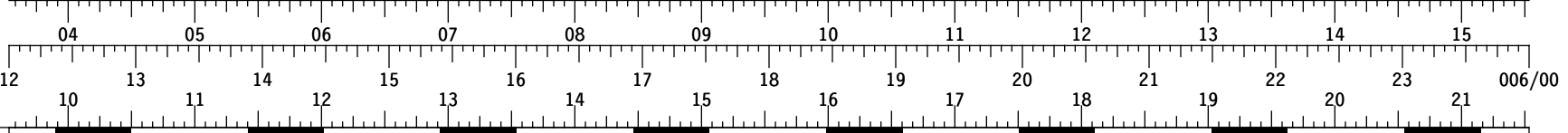
FD07

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/12/07 (346)

MET Day 005

GMT 12/12/07 (346)

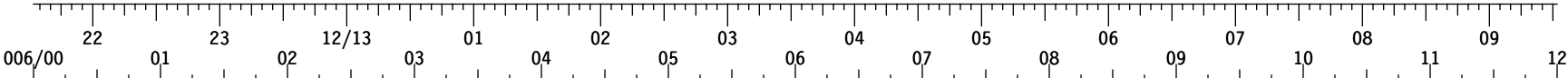


ISS	DAY/NIGHT	[Bar chart showing day/night cycles]														
	ORBIT	[Bar chart showing orbit cycles]														
S	DAILY ORBIT	[Bar chart showing daily orbit cycles]														
	TDRS AVAIL	[Bar chart showing TDRS availability]														
S	VHF	[Bar chart showing VHF usage]														
	ISS ATTITUDE	-XVV +ZLV TEA, MNVR TO SIMO DUMPT, MNVR TO MATED TEA, -XVV +ZLV, -XVV +ZLV TEA														
S	TLM FORMAT	SAA, JKK														
	SAA	[Detailed SAA schedule]														
D	SPS-PWR DWN & RCVRY	[SPS-PWR DWN & RCVRY schedule]														
	ACS-AUTO-H/O-RS-INH	[ACS-AUTO-H/O-RS-INH schedule]														
D	PPS-SARJ-FTHR	[PPS-SARJ-FTHR schedule]														
	PPS-BGA-FTHR	[PPS-BGA-FTHR schedule]														
D	ACS-CMG DATA-DUMP	[ACS-CMG DATA-DUMP schedule]														
	ACS-CMG/STS ATT-H/O	[ACS-CMG/STS ATT-H/O schedule]														
D	DPC	[DPC schedule]														
	LOCK-OPS-RECORDER	[LOCK-OPS-RECORDER schedule]														
D	ACS-CMG GMBL ANG-PSN	[ACS-CMG GMBL ANG-PSN schedule]														
	ACS-STS/CMG ATT-H/O	[ACS-STS/CMG ATT-H/O schedule]														
D	ACS-MM-ACTIV W/ USTO	[ACS-MM-ACTIV W/ USTO schedule]														
	PPS-BGA-AUTOTRACK	[PPS-BGA-AUTOTRACK schedule]														
D	PPS-SARJ-AUTOTRACK	[PPS-SARJ-AUTOTRACK schedule]														
	HMS-PMC	[HMS-PMC schedule]														
D	FDS-SD ABIT-SYNC	[FDS-SD ABIT-SYNC schedule]														
	PAO-EVENT	[PAO-EVENT schedule]														
K	CHECS-KU-D/L	[CHECS-KU-D/L schedule]														
	LOCK-OPS-RECORDER	[LOCK-OPS-RECORDER schedule]														
D	COMMS-VCR1-PLBK	[COMMS-VCR1-PLBK schedule]														
	PAO-EVENT	[PAO-EVENT schedule]														
R	COMMS-VCR2-PLBK	[COMMS-VCR2-PLBK schedule]														
		[Empty row]														
S	ECS-D1 ROT-RCNFG	[ECS-D1 ROT-RCNFG schedule]														
	COMMS-VMN2-ACT	[COMMS-VMN2-ACT schedule]														
S	COMMS-VCA2-ACT	[COMMS-VCA2-ACT schedule]														
	TCS-EPM WFSV-CL	[TCS-EPM WFSV-CL schedule]														
S	HEPS-EPM PDU OUTL-INH	[HEPS-EPM PDU OUTL-INH schedule]														
	COMMS-VDPU SU-CNFG1	[COMMS-VDPU SU-CNFG1 schedule]														
S	COMMS-VDPU-CP1-CNFG	[COMMS-VDPU-CP1-CNFG schedule]														
	COMMS-VCR1-ACT	[COMMS-VCR1-ACT schedule]														
S	COMMS-VCR1-RCRD	[COMMS-VCR1-RCRD schedule]														
	COMMS-VCR1-DEACT	[COMMS-VCR1-DEACT schedule]														
S	ECS-D1 ROT-RCVRY	[ECS-D1 ROT-RCVRY schedule]														
	DMS-MMU-FILE MGMT	[DMS-MMU-FILE MGMT schedule]														
S	DMS-SPC4-C/O	[DMS-SPC4-C/O schedule]														
	ECS-SD-SYNC	[ECS-SD-SYNC schedule]														
S	COMMS-VDPU SU-CNFG	[COMMS-VDPU SU-CNFG schedule]														
	COMMS-VCR1-PLBK	[COMMS-VCR1-PLBK schedule]														
S	COMMS-VDPU-SWTCOVER	[COMMS-VDPU-SWTCOVER schedule]														
	COMMS-VDPU-CP1-DEACT	[COMMS-VDPU-CP1-DEACT schedule]														
S	ECS-CTCU2-C/O	[ECS-CTCU2-C/O schedule]														
	COMMS-VDPU SU-CNFG2	[COMMS-VDPU SU-CNFG2 schedule]														
S	COMMS-VCR2-ACT	[COMMS-VCR2-ACT schedule]														
	COMMS-VCR2-RCRD	[COMMS-VCR2-RCRD schedule]														
S	COMMS-VDPU-CP2-ACT	[COMMS-VDPU-CP2-ACT schedule]														
	COMMS-VCR2-PLBK	[COMMS-VCR2-PLBK schedule]														
S	COMMS-VDPU-CP2-CNFG	[COMMS-VDPU-CP2-CNFG schedule]														
	COMMS-VCR2-DEACT	[COMMS-VCR2-DEACT schedule]														
S	COMMS-VDPU-CP2-DEACT	[COMMS-VDPU-CP2-DEACT schedule]														
		2-23														
S	CHECS-KU-D/L	[CHECS-KU-D/L schedule]														
	MCC-H FCT H/O (3/1)	[MCC-H FCT H/O (3/1) schedule]														
S	ACS-CMG GMBL ANG-PSN	[ACS-CMG GMBL ANG-PSN schedule]														
	ACS-MM-ACTIV W/ USTO	[ACS-MM-ACTIV W/ USTO schedule]														
S	MCC-H FCT H/O (1/2)	[MCC-H FCT H/O (1/2) schedule]														
		[Empty row]														

FD07

GMT 12/12/07 (346)

MET Day 006



S T S - 1 2 2	CDR FRICK	OFF DUTY	EVA3 PROC REVIEW	PMCA A/G3	PRE SLEEP	SLEEP		
	PLT POINDEXTER	OFF DUTY	EVA3 PROC REVIEW		PRE SLEEP	SLEEP		
	MS1 MELVIN	OFF DUTY	EVA3 PROC REVIEW	ILUM*	PRE SLEEP	SLEEP		
	MS2/EV1 WALHEIM	OFF DUTY	EVA3 PROC REVIEW	PSLRLEEP	PRE SLEEP	MASK PB/TOOL CONFIG 10.2 DPRS	PRE SLEEP	SLEEP
	MS3/EV2 SCHLEGEL	OFF DUTY	EVA3 PROC REVIEW	MUS	PRE SLEEP		SLEEP	
	MS4/EV3 LOVE	OFF DUTY	EVA3 PROC REVIEW	PSLRLEEP	PRE SLEEP	MASK PB/TOOL CONFIG 10.2 DPRS	PRE SLEEP	SLEEP
D N	FE-2 TANI	HANDOVER	EVA3 PROC REVIEW	PWRORPK	PRE SLEEP-ISS	SLEEP		
I S S	ISS CDR WHITSON	EXER RED	EVA3 PROC REVIEW	ITAPWDPC	PRE SLEEP-ISS	SLEEP		
	FE-1 MALENCHENKO	* PREP WORK	EVA3 PROC REVIEW	DWNPWDPC	PRE SLEEP-ISS	SLEEP		
U P	FE-2 EXP16 EYHARTS	HANDOVER	EVA3 PROC REVIEW	PWRORPK	PRE SLEEP-ISS	SLEEP		
DAY/NIGHT		[Timeline with shaded day/night blocks]						
ORBIT		[Timeline with orbit parameters]						
TDRS		[Timeline with TDRS parameters]						
ORB ATT		[Timeline with orbital attitude parameters]						
NOTES		*EXERCISE TVIS *ENABLE *ON*PWR INHIBIT BIAS -XLV -ZVV ISS EXTERNAL SURVEY						

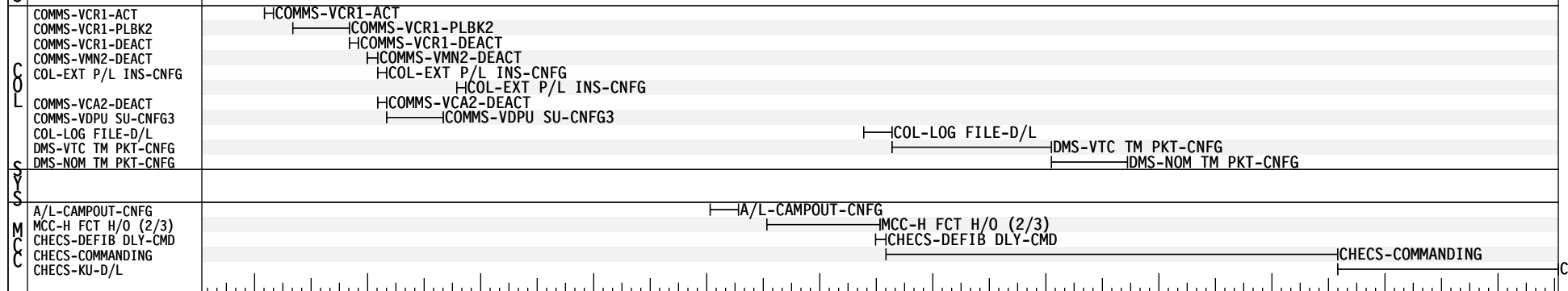
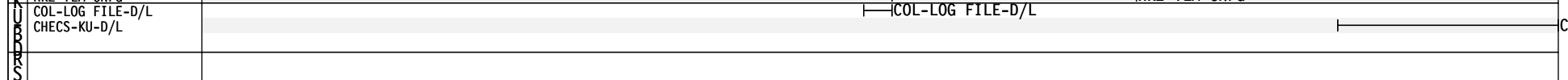
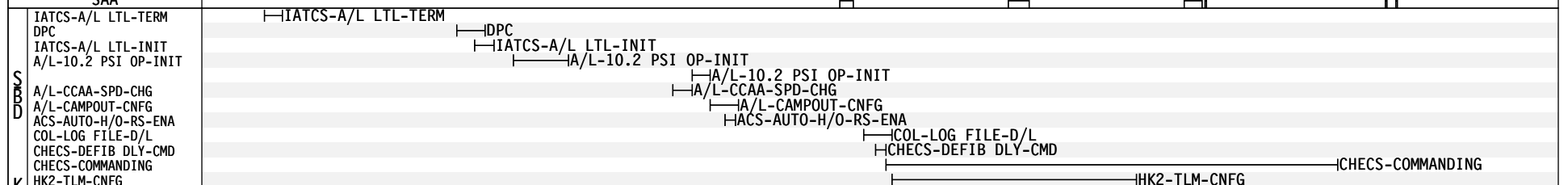
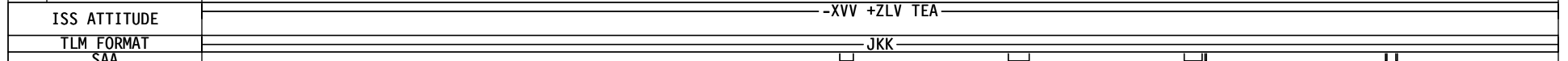
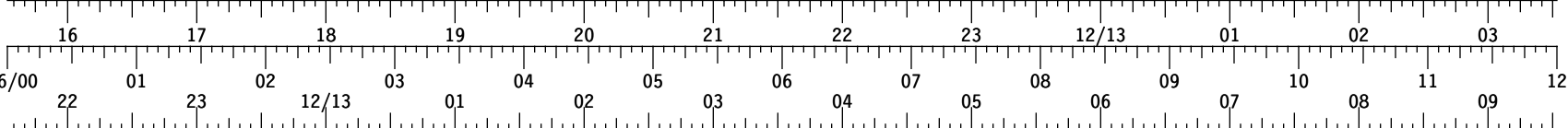
FD07

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/12/07 (346)

MET Day 006 006/00

GMT 12/12/07 (346)

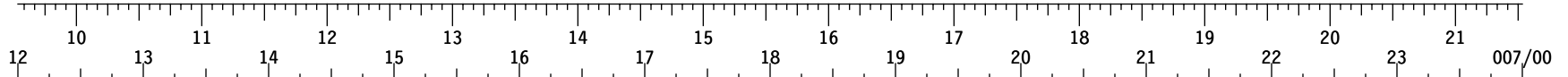


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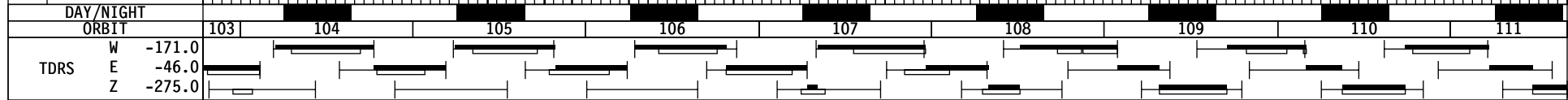
FD08

GMT 12/13/07 (347)

MET Day 006



S T S - 1 2 2	CDR FRICK	SLEEP	PS O L S E T P	PMC A/G	POST SLEEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP		EP MUR GE	EMU PREBREATHE	C_LK DPRS	IR L O A S E	PWR FILL #7	EXERCISE	SOL R * P/TV 07	MEAL	CIN CIT 0	P/TV07 EVA SPPT	CT W E C R M	CIN CIT 1	PTV 07	ET F *	PT V 0 7	
	PLT POINDEXTER	SLEEP	POST SLEEP						IP N A H D I B	EXERCISE	EVA3 IVA SPPRT PREP	EVA3 IVA SPPRT												
	MS1 MELVIN	SLEEP	POST SLEEP						MI C L I U M **	RELOCATE BIOLAB - A2	BL B R	SSRMS SOLAR TRANSFER					SSRMS CMG TRANSFER	SSRMS EUTEF XFER						
	MS2/EV1 WALHEIM	SLEEP	POST SLEEP	HYG BRK/ PREBREATHE		CAMPOUT EVA PREP		EP MUR GE	EMU PREBREATHE	C_LK DPRS	EVA 3 (06:30)											CIN L N G U R P S		
	MS3/EV2 SCHLEGEL	SLEEP	LOG	POST SLEEP		ETC LL RMVL	BR L D A %	RELOCATE BIOLAB - A2	DC N V S T R L	BL B T O O L G A T H E R	BL B #	BLB TCU LF RMV	TCU SI INSTL	BLB INC LF RMV	MEAL	BLB INC LF RMV		INC CI INSTL						
	MS4/EV3 LOVE	SLEEP	POST SLEEP	HYG BRK/ PREBREATHE		CAMPOUT EVA PREP		EP MUR GE	EMU PREBREATHE	C_LK DPRS	SOLAR TRANSFER											CMG TRANSFER	EUTEF TRANSFER	
D N	FE-2 TANI	SLEEP	POST SLEEP		PREP WORK	DPC	ZSR RLCT	DCB FAM	HANDOVER		SSRMS SOLAR TRANSFER		EXERCISE TVIS	EMU T	MIDDAY-MEAL	EDR ^	OGS RECHARGE	RSU RESET			EDR ^	EXER CISE RED		
	ISS CDR WHITSON	SLEEP	POST SLEEP		HYG BRK/ HATCH CLS	CAMPOUT EVA PREP		EP MUR GE	EMU PREBREATHE	C_LK DPRS	EXERCISE CEVIS		EXERCISE RED		MIDDAY-MEAL	EDR ^	EDR REAR S/U		EDR ^					
I S S	FE-1 MALENCHENKO	SLEEP	POST SLEEP		PREP WORK	DPC	MM HI M 1 2	CM ON T C	ACY M P - Φ B MNT	CGO-ACY-EK-MNT		EXERCISE TVIS		VELO	MIDDAY-MEAL	COX MNT		Φ-ΓXT MNT	GL O V E					
	UP FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP		PREP WORK	DPC	INST*		DCB FAM	HANDOVER		SSRMS SOLAR TRANSFER			SSRMS CMG TRANSFER	SSRMS EUTEF XFER								



ORB ATT: -EXT SRVY-I, *OFF, *FILTER CHECK, %PNL-INSTL, *A2 KBAR CM, BIAS -XLV -ZVV, #GN2-INSPECT, *PPSB2-ON, ^RACK ROTATE, *PPSB2-ON, *SOL&ETF-ON, ^RACK ROTATE

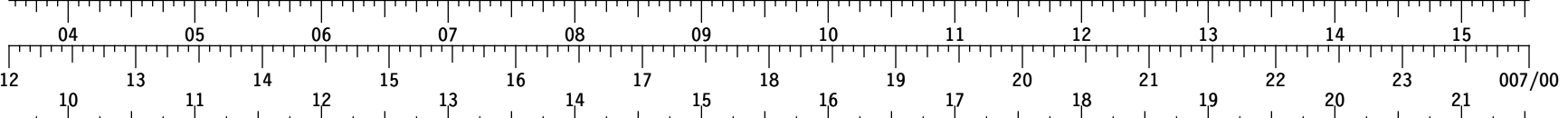
FD08

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/13/07 (347)

MET Day 006

GMT 12/13/07 (347)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]														
	ORBIT	[Bar chart showing orbit data]														
	DAILY ORBIT	15	16	1	2	3	4	5	6	7						
	TDRS AVAIL	[Bar chart showing TDRS availability]														
VHF		ALL VHF														

ISS ATTITUDE -XVV +ZLV TEA

TLM FORMAT SAA JJK H H H JJK

DPRS	ACS-AUTO-H/O-RS-INH	HACS-AUTO-H/O-RS-INH													
	EVA-HYGIENE-BREAK	EVA-HYGIENE-BREAK													
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP													
	ACS-GNC PPL-UPDATE	ACS-GNC PPL-UPDATE													
	UHF-SSSR-ACT	UHF-SSSR-ACT													
	MSS-POWERUP	MSS-POWERUP													
	C&T-AUDIO-CNFG	C&T-AUDIO-CNFG													
	VDS-VIDEO-CNFG	VDS-VIDEO-CNFG													
	A/L RAPID DPRS-ENA	A/L RAPID DPRS-ENA													
	DPC	DPC													
	PPS-PCU FDIR-ENABLE	PPS-PCU FDIR-ENABLE													
	ISS-RAP DPRS-INH	ISS-RAP DPRS-INH													
	VDS-WETA-ACT	VDS-WETA-ACT													
	ISS-RAP DPRS-ENA	ISS-RAP DPRS-ENA													
	ACS-PCA VRIV-OP	ACS-PCA VRIV-OP													
A/L-10.2 PSI OP-TERM	A/L-10.2 PSI OP-TERM														
ACS-PCA VRIV-CL	ACS-PCA VRIV-CL														
A/L-CCAA-SPD-CHG	A/L-CCAA-SPD-CHG														

CHECS-KU-D/L

SOL	COL-PL SERV-ACT	COL-PL SERV-ACT													
	COMMS-VDPU-CP1-ACT	COMMS-VDPU-CP1-ACT													
	COMMS-VMN2-ACT	COMMS-VMN2-ACT													
	COMMS-VCA2-ACT	COMMS-VCA2-ACT													
	COMMS-VDPU SU-CNFG	COMMS-VDPU SU-CNFG													
	COMMS-VDPU-CP1-CNFG	COMMS-VDPU-CP1-CNFG													
	SOL-FEED2-ACT	SOL-FEED2-ACT													
	SOL-FEED1 RELAY-OFF	SOL-FEED1 RELAY-OFF													
	SOL-FEED2-DEACT	SOL-FEED2-DEACT													
	ETF-PPSB2-ON	ETF-PPSB2-ON													
SOL&ETF-PPSB1-ON	SOL&ETF-PPSB1-ON														
ETF-FEED2-ACT	ETF-FEED2-ACT														

CCS	CHECS-KU-D/L	CHECS-KU-D/L													
	MCC-H FCT H/O (3/1)	MCC-H FCT H/O (3/1)													
	CCS-TLM FORMAT-SWAP	CCS-TLM FORMAT-SWAP													
	ACS-GNC PPL-UPDATE	ACS-GNC PPL-UPDATE													
	EVA INHIBIT PAD	EVA INHIBIT PAD													

MCC-H FCT H/O (1/2)

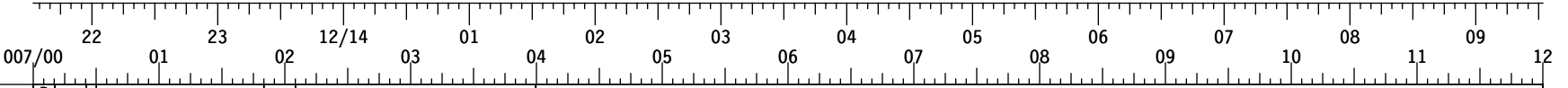
*PPSB2-ON *SOL&ETF-ON

NOTES:

FD08

GMT 12/13/07 (347)

MET Day 007



STS - 1 2 2	CDR FRICK	PTV 07 CTWRM	POST EVA W/H2O, METOX	PMC A/G	PRE SLEEP	SLEEP
	PLT POINDEXTER	*RPPRS	CWC XFER (2)		PRE SLEEP*	SLEEP
	MS1 MELVIN	SEX SUFFRTEMER SF	EXERCISE	ILLUM*	PRE SLEEP	SLEEP
	MS2/EV1 WALHEIM	CLNLRPPRS NURPSS	POST EVA W/H2O, METOX		PRE SLEEP	SLEEP
	MS3/EV2 SCHLEGEL		EXERCISE		PRE SLEEP	SLEEP
	MS4/EV3 LOVE	CLNLRPPRS NURPSS	POST EVA W/H2O, METOX		PRE SLEEP	SLEEP
ISS	FE-2 TANI	EXERCISE RED	PREP WORK DPC		PRE SLEEP-ISS	SLEEP
	ISS CDR WHITSON	PREP WORK	POST EVA W/H2O, METOX	D/L*	PRE SLEEP-ISS	SLEEP
UP	FE-1 MALENCHENKO		PREP WORK DPC	D/L*	PRE SLEEP-ISS	SLEEP
	FE-2 EXP16 EYHARTS	SEX SUFFRTEMER SF	EXERCISE TVIS	DPC	PRE SLEEP-ISS	SLEEP
DAY/NIGHT ORBIT						
TDRS						
ORB ATT						
NOTES		*EVA3 IVA SPPRT *ON *√HUM SEP *EVA IMAGE BIAS -XLV -ZVV ISS EXTERNAL SURVEY				

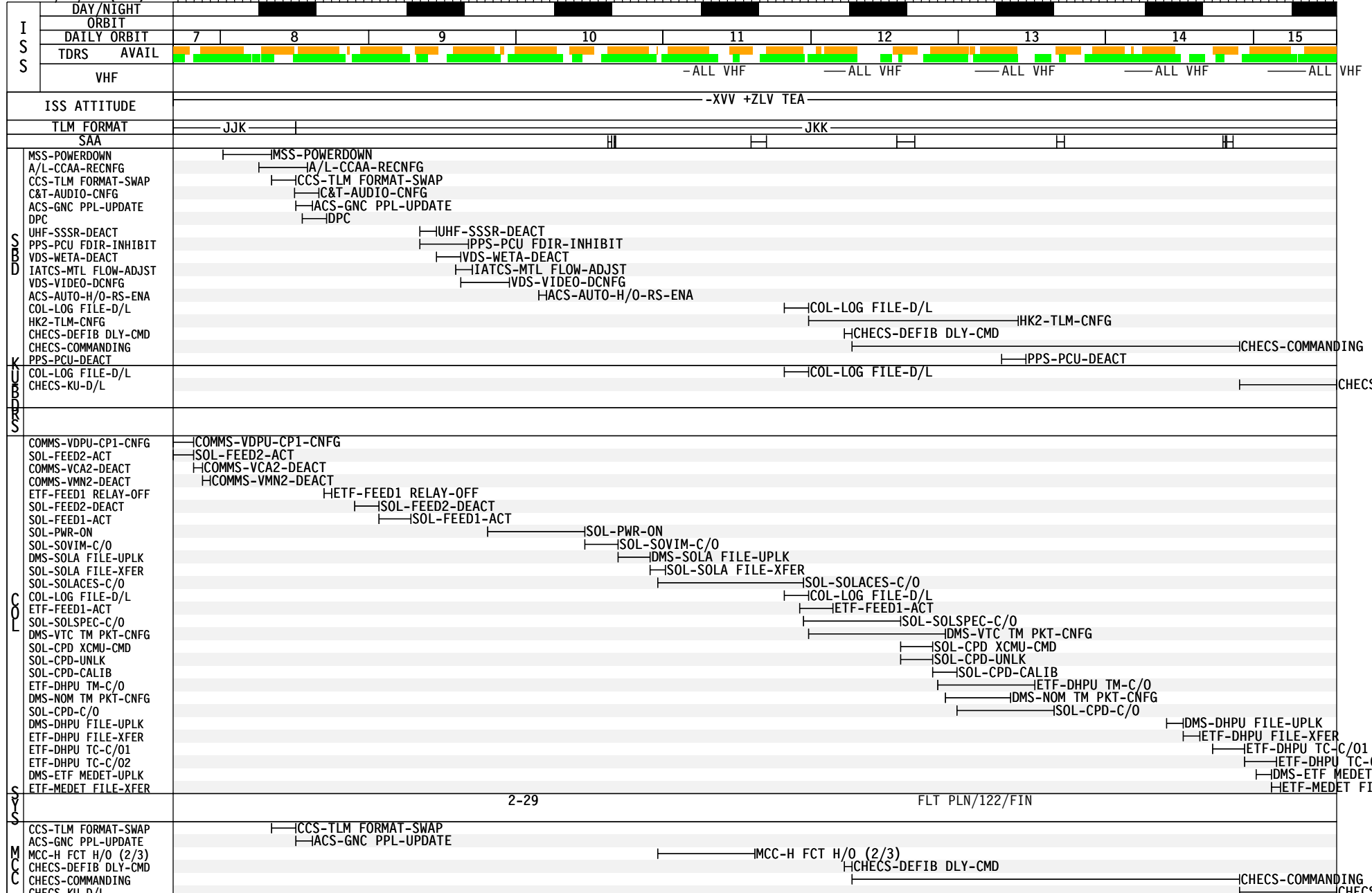
FD08

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/13/07 (347)

MET Day 007 007/00

GMT 12/13/07 (347)



2-29

FLT PLN/122/FIN

CHECS-KU

CHECS-KU

FD09

GMT 12/14/07 (348)

MET Day 007

STS - 1 2 2	CDR FRICK	POST SLEEP										H/O	M-NX NVL RV	REBOOST CONFIG 3	M-NX NVL RV	H/O	NL 2M	BF SNTN*	XFER OPS	PWR FILL #9	NL 2*	CREW CONF	CP RHO EWT O	MEAL	CI WN CIT 3	EXERCISE	CT WE CRM	CX WF CER	02 XFER T/D	FW AER REL	H/ O					
	PLT POINDEXTER	POST SLEEP										PWR FILL #8	REBOOST CONFIG 3	CI WN CIT 2	XFER OPS			CT WE CRM	CX WF CER	XFER OPS	P/T V 05 S/U	CREW CONF	CP RHO EWT O	MEAL	RNDZ TOOLS C/O	XFER OPS			PS TE V OU 4P	PD TE V OCT	FW AER REL	CD M*				
	MS1 MELVIN	POST SLEEP										ML XU FP RD AT IM U*	P/T V 09 REBOOST OPS	XFER OPS			PT V08 EXTRNL SRVY	XFER OPS	CREW CONF	CP RHO EWT O	MEAL	RNDZ TOOLS C/O	B S L E O L O U D P D	C O P L O R O L	C O P L O R O L	X T F A G E R	B R I E F	FW AER REL								
	MS2/EV1 WALHEIM	POST SLEEP										EVA TOOL DECNFG	POST EVA RCNFG/XFER										CREW CONF	CP RHO EWT O	MEAL	XFER OPS										FW AER REL
	MS3/EV2 SCHLEGEL	POST SLEEP										BLB HM LF RMV	H I M N S T I L	HM C I	BLB AI CI INSTL			A T C S @	A T C S *	BLB U M B M A T E	DRY	CREW CONF	CP RHO EWT O	MEAL	BGB LF RMV	DRY	EXERCISE			FW AER REL	H C A L O T S H E					
	MS4/EV3 LOVE	POST SLEEP										EVA TOOL DECNFG	POST EVA RCNFG/XFER										DRY	CREW CONF	CP RHO EWT O	MEAL	XFER OPS	DRY	EXERCISE			X T F A G E R	FW AER REL	H C A L O T S H E		
ISS	FE-2 TANI	POST SLEEP			PREP WORK	DPC	H/O	I P C N A V S R T S	XFER OPS			HANDOVER			DCB1 PACK	DCB2 PACK	M T X - T	M T X - I	CREW CONF	CP RHO EWT O	MIDDAY-MEAL	XFER OPS	EXERCISE TVIS			EXERCISE RED			FW AER REL							
	ISS CDR WHITSON	POST SLEEP			E E G D Q T R U H I P	DPC	EDR STWG	EDR FRONT S/U	EDR UMB MATE	F C I R O	H2O & DATA	E S W V F	EXERCISE CEVIS			EXERCISE RED			EDR %	CREW CONF	CP RHO EWT O	MIDDAY-MEAL	S/S	F I B E R	F C I R O	B C S L O U L O L J P U	02 XFER T/D	FW AER REL	H C A L O T S H E							
UP	FE-1 MALENCHENKO	POST SLEEP			PREP WORK	DPC	M B W I 1 2	M D B W N L D	P50 MSR	COG CANLZ	COX MNT	3 M J N K T	EXERCISE TVIS			VELO			CREW CONF	CP RHO EWT O	MIDDAY-MEAL	XFER OPS										FW AER REL				
	FE-2 EXP16 EYHARTS	POST SLEEP			PREP WORK	DPC	H/O	E P M E Q U I P G A T H E R	F C I R O	L I A N S T I L	S W V F	HANDOVER			DCB1 PACK	DCB2 PACK	L C P O /	S E L F #	CREW CONF	CP RHO EWT O	MIDDAY-MEAL	CR CO	U D P C O M	M S B C S S L O U T B O W +	C D L S /	FW AER REL	*									

DAY/NIGHT	DAY												NIGHT																																																																																																																							
ORBIT	119												120												121												122												123												124												125												126												127																																			
TDRS	W -171.0												E -46.0												Z -275.0																																																																																																											
ORB ATT	BIAS -XLV -ZVV												*OFF												REBOOST												*RPRS INIT												*OFF												@SI INSTL												*RPRS TERM												BIAS -XLV -ZVV												*SLVA CLCT												*EXERCISE R																							
NOTES																																					*LAPTOP-INSTL																								*CI-INSTL																								*LAPTOP-ACT												#TEST-C/O																								*BATT C/O											

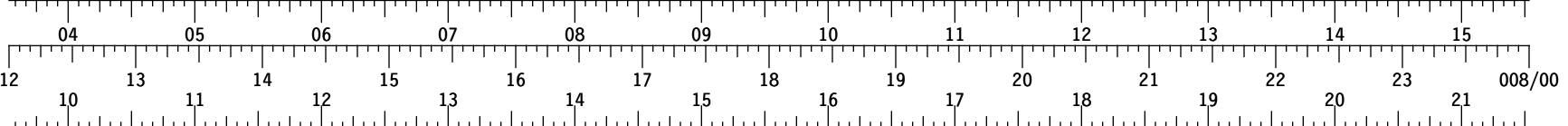
FD09

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/14/07 (348)

MET Day 007

GMT 12/14/07 (348)



ISS	DAY/NIGHT	[Bar chart showing day/night cycle]	
	ORBIT	[Bar chart showing orbit parameters]	
	DAILY ORBIT	15	1, 2, 3, 4, 5, 6, 7, 8
	TDRS AVAIL	[Bar chart showing TDRS availability]	
VHF		ALL VHF	ALL VHF
		ALL VHF	ALL VHF
ISS ATTITUDE	-XVV +ZLV TEA	-XLV +ZLV	-XVV +ZLV TEA
TLM FORMAT	SAA	JJK	

DPM	ACS-AUTO-H/O-RS-INH	HACS-AUTO-H/O-RS-INH	
	SDMS-PPL UNDCCKNG-U/L	SDMS-PPL UNDCCKNG-U/L	
	DPC	DPC	
	SPS-NOD2 DDCU-PWRDN	SPS-NOD2 DDCU-PWRDN	ISPS-NOD2 DDCU-PWRDN
	THC-A/L CCAA-CONFIG	THC-A/L CCAA-CONFIG	
	ACS-CMG/STS ATT-H/O	IACS-CMG/STS ATT-H/O	
	SPS-NOD2 DDCU-PWRUP	SPS-NOD2 DDCU-PWRUP	ISPS-NOD2 DDCU-PWRUP
	ACS-CCDB-PARAM-UPDT	IACS-CCDB-PARAM-UPDT	
	ACS-CMG GMBL ANG-PSN	IACS-CMG GMBL ANG-PSN	
	ACS-ST/CMG ATT-H/O	IACS-ST/CMG ATT-H/O	

SPEAKER	THC-BOOSTER FAN-DEAC	THC-BOOSTER FAN-DEAC	
	ACS-MM-ACTIV W/ USTO	IACS-MM-ACTIV W/ USTO	

LOG	ETF-DHPU FILE-XFER	IETF-DHPU FILE-XFER	
	DMS-DHPU FILE-DWNLK	IDMS-DHPU FILE-DWNLK	
	COMMS-VMN2-ACT	COMMS-VMN2-ACT	
	COMMS-VCA2-ACT	COMMS-VCA2-ACT	
	COMMS-VDPU-CP1-CNFG		COMMS-VDPU-CP1-CNFG
	EPS-EDR PDU OUTL-INH	HEPS-EDR PDU OUTL-INH	
	TCS-EDR WFSV-CL	HTCS-EDR WFSV-CL	
	EDR-PCDF EU-CNCT	IEDR-PCDF EU-CNCT	IEDR-PCDF EU-CNCT
	EPM-RACK-ACT	EPM-RACK-ACT	
	TCS-BLB-WFSV-CL	HTCS-BLB-WFSV-CL	
	EPS-BLB PDU OUTL-INH	HEPS-BLB PDU OUTL-INH	
	EDR-RACK-ACT	EDR-RACK-ACT	
	ECS-EPM SD LMT-UPDT	HECS-EPM SD LMT-UPDT	
	EPM-C&W-CNFG	IEPM-C&W-CNFG	
	ECS-EDR SD LMT-UPDT	HECS-EDR SD LMT-UPDT	
	EDR-S/S-C/O		IEDR-S/S-C/O
	EDR-C&W-CNFG		IEDR-C&W-CNFG
	EPM-LAN-I/F-C/O		IEPM-LAN-I/F-C/O
	EDR-PCDF EU-CNFG1		IEDR-PCDF EU-CNFG1
	EDR-PCDF EU-CNFG2		IEDR-PCDF EU-CNFG2

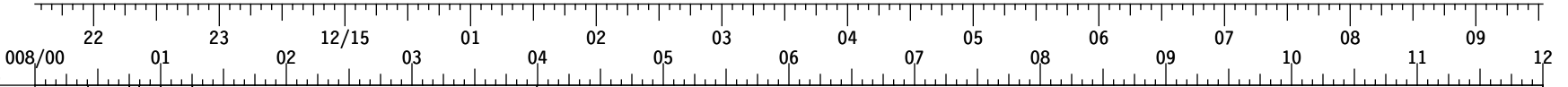
MSN	IWIS-DATA-TAKE	IWIS-DATA-TAKE	
	MCC-H FCT H/O (3/1)	MCC-H FCT H/O (3/1)	
	ACS-CMG GMBL ANG-PSN	IACS-CMG GMBL ANG-PSN	IACS-CMG GMBL ANG-PSN

MCC-H FCT H/O (1/2) 2-31 *OFF MCC-H FCT H/O (1/2)

FD09

GMT 12/14/07 (348)

MET Day 008

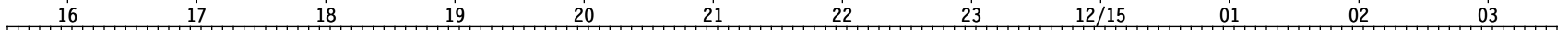


S T S - 1 2 2	CDR FRICK	NOM H20 CNFG	P C S O	H A/G	PMC	PRE SLEEP	SLEEP	
	PLT POINDEXTER	EXERCISE		PRE SLEEP		SLEEP		
	MS1 MELVIN	P/TV03 UNDOCK SETUP	PRE SLEEP	EXERCISE		PRE SLEEP	SLEEP	
	MS2/EV1 WALHEIM	SETUP C/L CAMR	EXERCISE		PRE SLEEP		SLEEP	
	MS3/EV2 SCHLEGEL	H C A L T O C S H E	HATCH LEAK CHECK	M U S	PRE SLEEP		D R Y	SLEEP
	MS4/EV3 LOVE	H C A L T O C S H E	HATCH LEAK CHECK	PRE SLEEP		D R Y	SLEEP	
D N	FE-2 TANI	PRE SLEEP		SLEEP				
I S S	ISS CDR WHITSON	H C A L T O C S H E	EU PD	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP	
	FE-1 MALENCHENKO	PREP WORK		D W N D P C	PRE SLEEP-ISS	SLEEP		
U P	FE-2 EXP16 EYHARTS	EXERCISE RED	L O G	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP	
DAY/NIGHT		[Bar chart showing day/night cycle]						
ORBIT		[Bar chart showing orbit parameters]						
TDRS		[Bar chart showing TDRS data]						
ORB ATT		BIAS -XLV -ZVV						
NOTES		*ACT						

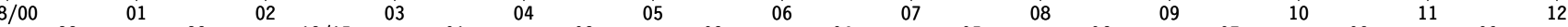
FD09

STS-122/1E JOINT MSN SHORT TERM PLAN

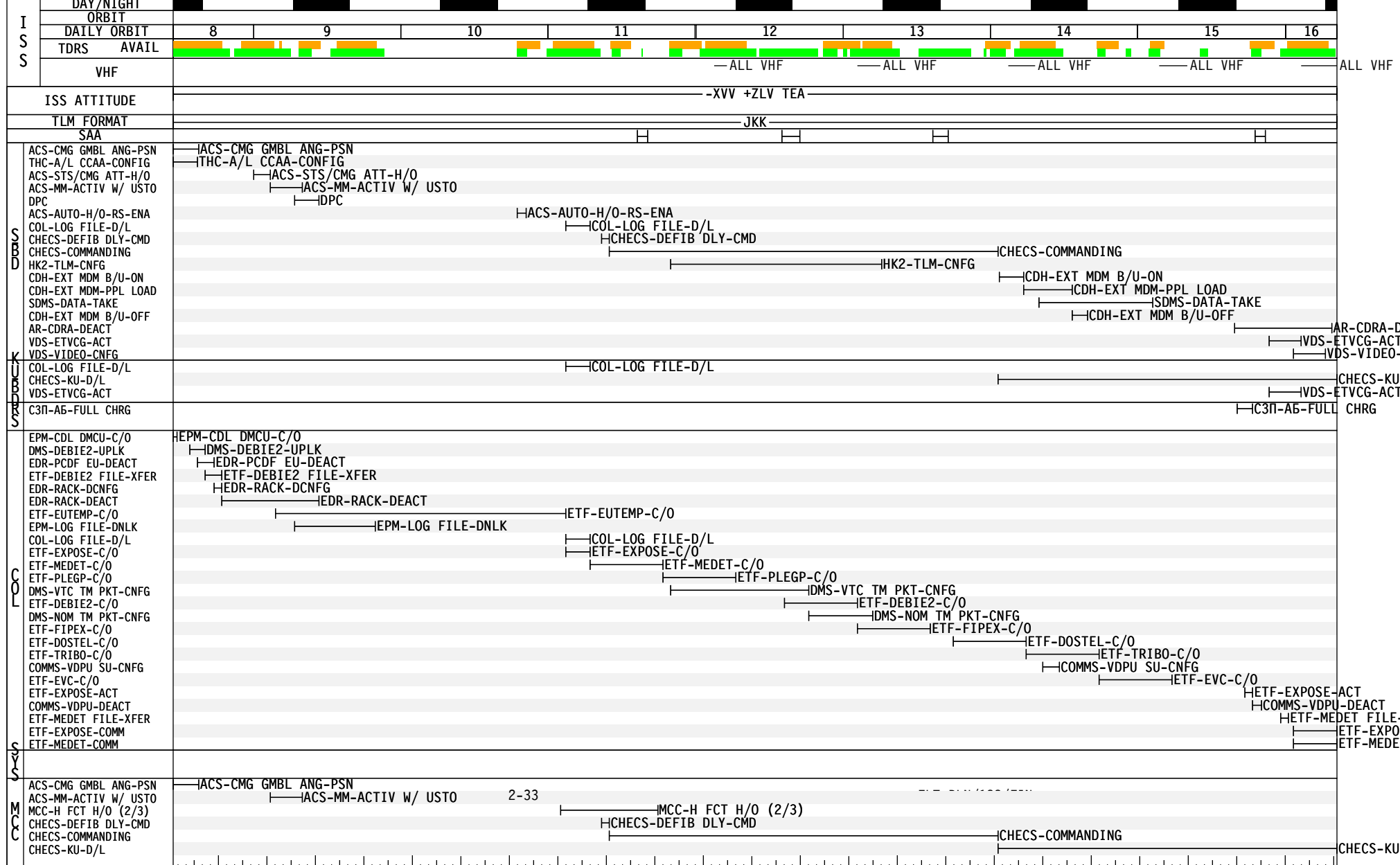
CT 12/14/07 (348)



MET Day 008 008/00



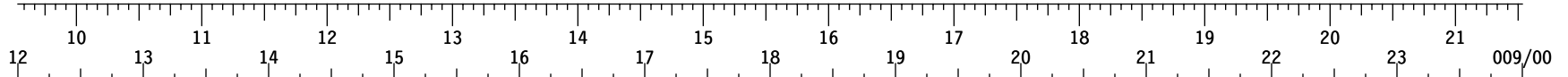
GMT 12/14/07 (348)



FD10

GMT 12/15/07 (349)

MET Day 008



STS-122	CDR FRICK	POST SLEEP	GP RP B	WH R / O P	MNVR UNDK	UNDOCK OPS	FLYAROUND	SEP	AS1	AS2	MZLV	SIMONIT	MEAL	SIMONIT	RMS*	STBD WING SURVEY	MNOVRE	MPNVRT	PORT WING SURVEY		
	PLT POINDEXTER	POST SLEEP	GP RP B	WH R / O P	MNVR UNDK	UNDOCK OPS	FLYAROUND	SEP	GRWRB	HTAB	MCCTU*	MEAL	COMM1	MSTNVRD		EXERCISE					
	MS1 MELVIN	POST SLEEP				UNDOCK OPS	FLYAROUND	SEP	PDEVA	SDSOA	RMS*	MEAL		RMS*	STBD WING SURVEY	NOSE CAP SURVEY		PORT WING SURVEY			
	MS2/EV1 WALHEIM	POST SLEEP			UANDKIO	UNDOCK OPS	FLYAROUND	SEP	GRWRB	SOIU#		MEAL	EMU INSTL	EVA UNPACK & STOW	PST ISS EVA ENT PREP			EXERCISE			
	MS3/EV2 SCHLEGEL	POST SLEEP				UNDOCK OPS	FLYAROUND	SEP	PLYSB	K		MEAL	EMU INSTL	EVA UNPACK & STOW	PST ISS EVA ENT PREP	NOSE CAP SURVEY	EXERCISE				
	MS4/EV3 LOVE	POST SLEEP				UNDOCK OPS	FLYAROUND	SEP	WLEIS	POST UNDK PGSC CNFG		MEAL	CT/OND	RMS*	STBD WING SURVEY	NOSE CAP SURVEY		PORT WING SURVEY			
DN	FE-2 TANI	POST SLEEP				UNDOCK OPS	FLYAROUND	SEP				MEAL			EXERCISE						
ISS	ISS CDR WHITSON	POST SLEEP	DPC	PREP WORK	MTX-T		PMA2 DEPART CONFIG	PMA2-DEPRESS		MIDDAY-MEAL	PLI MKN 2	ACT	IWIS D/L	IWIS TEAR DOWN	PLT MKE 2	CRM	EXERCISE TVIS	EXERCISE RED			
	FE-1 MALENCHENKO	POST SLEEP	DPC	PREP WORK	MINDM		PMA2 DEPART CONFIG	VELO		MIDDAY-MEAL							COX MNT	EXERCISE TVIS			
UP	FE-2 EXP16 EYHARTS	POST SLEEP	DPC	PREP WORK	DRDCS	UNDK	UNDK	EXERCISE TVIS		MIDDAY-MEAL	MEC		MEC S/W		EXERCISE RED	BGB SI INSTL	BGB CI INSTL	EDPEACT	ESTMOW	PCS P/D	
DAY/NIGHT ORBIT		135	136	137	138	139	140	141	142	143											
TDRS		W -171.0	E -46.0	Z -275.0																	
ORB ATT		BIAS -XLV -ZVV		UNDOCK/FLYAROUND/SEP			-ZLV +YVV		STBD SURVEY		NOSE SURVEY		PORT SURVEY								
NOTES		*MNVR-UNDOCK					*8/15:50					*FILTER CHECK		*MNVR-FLAT FIELD							

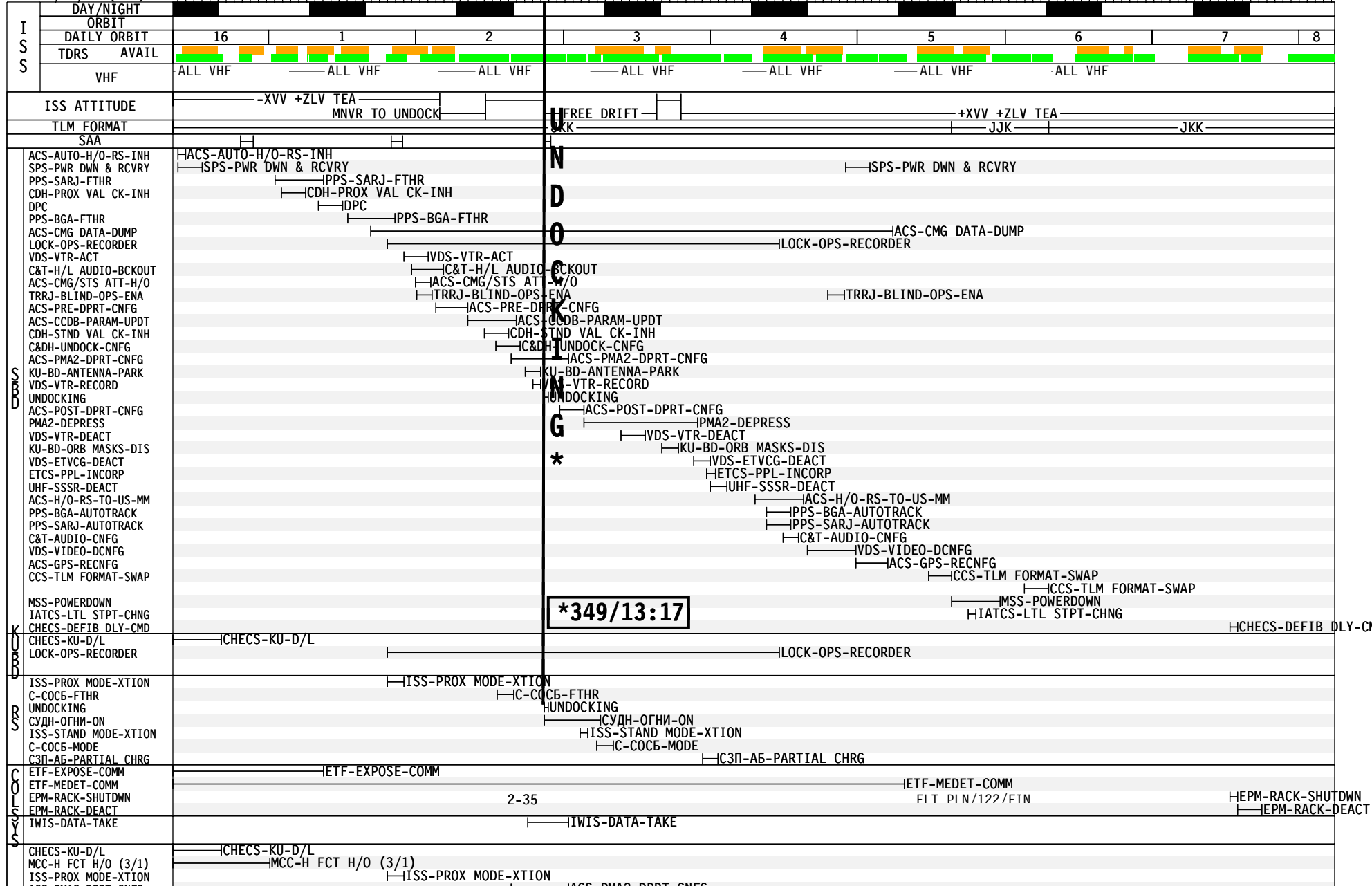
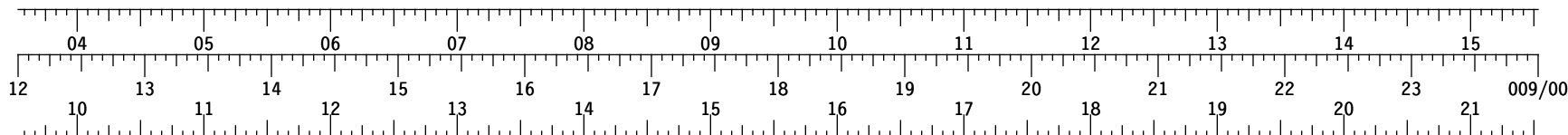
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STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/15/07 (349)

MET Day 008

GMT 12/15/07 (349)



***349/13:17**

I
S
S

DAY/NIGHT

ORBIT

DAILY ORBIT

TDRS AVAIL

VHF

ISS ATTITUDE

TLM FORMAT

SAA

ACS-AUTO-H/O-RS-INH

SPS-PWR DWN & RCVRY

PPS-SARJ-FTHR

CDH-PROX VAL CK-INH

DPC

PPS-BGA-FTHR

ACS-CMG DATA-DUMP

LOCK-OPS-RECORDER

VDS-VTR-ACT

C&T-H/L AUDIO-BCKOUT

ACS-CMG/STS ATT-H/O

TRRJ-BLIND-OPS-ENA

ACS-PRE-DPRT-CNFG

ACS-CCDB-PARAM-UPDT

CDH-STND VAL CK-INH

C&DH-UNDOCK-CNFG

ACS-PMA2-DPRT-CNFG

KU-BD-ANTENNA-PARK

VDS-VTR-RECORD

UNDOCKING

ACS-POST-DPRT-CNFG

PMA2-DEPRESS

VDS-VTR-DEACT

KU-BD-ORB MASKS-DIS

VDS-ETVCG-DEACT

ETCS-PPL-INCORP

UHF-SSSR-DEACT

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

PPS-BGA-AUTOTRACK

PPS-SARJ-AUTOTRACK

C&T-AUDIO-CNFG

VDS-VIDEO-DCNFG

ACS-GPS-RECENFG

CCS-TLM FORMAT-SWAP

MSS-POWERDOWN

IATCS-LTL STPT-CHNG

CHECS-DEFIB DLY-CMD

CHECS-KU-D/L

LOCK-OPS-RECORDER

ISS-PROX MODE-XTION

C-COCB-FTHR

UNDOCKING

СУДН-ОГНИ-ОН

ISS-STAND MODE-XTION

C-COCB-MODE

СЗП-АБ-PARTIAL CHRГ

ETF-EXPOSE-COMM

ETF-MEDET-COMM

EPM-RACK-SHUTDWN

EPM-RACK-DEACT

IWIS-DATA-TAKE

CHECS-KU-D/L

MCC-H FCT H/O (3/1)

ISS-PROX MODE-XTION

ACS-PMA2-DPRT-CNFG

UNDOCK

*

FREE DRIFT

+XVV +ZLV TEA

MNVR TO UNDOCK

JJK

JJK

JJK

ISPS-PWR DWN & RCVRY

ISPS-PWR DWN & RCVRY

PPS-SARJ-FTHR

CDH-PROX VAL CK-INH

DPC

PPS-BGA-FTHR

ACS-CMG DATA-DUMP

LOCK-OPS-RECORDER

IVDS-VTR-ACT

C&T-H/L AUDIO-BCKOUT

ACS-CMG/STS ATT-H/O

TRRJ-BLIND-OPS-ENA

TRRJ-BLIND-OPS-ENA

ACS-PRE-DPRT-CNFG

ACS-CCDB-PARAM-UPDT

CDH-STND VAL CK-INH

C&DH-UNDOCK-CNFG

ACS-PMA2-DPRT-CNFG

KU-BD-ANTENNA-PARK

VDS-VTR-RECORD

UNDOCKING

ACS-POST-DPRT-CNFG

PMA2-DEPRESS

IVDS-VTR-DEACT

KU-BD-ORB MASKS-DIS

VDS-ETVCG-DEACT

ETCS-PPL-INCORP

UHF-SSSR-DEACT

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

PPS-BGA-AUTOTRACK

PPS-SARJ-AUTOTRACK

C&T-AUDIO-CNFG

VDS-VIDEO-DCNFG

ACS-GPS-RECENFG

CCS-TLM FORMAT-SWAP

CCS-TLM FORMAT-SWAP

MSS-POWERDOWN

IATCS-LTL STPT-CHNG

CHECS-DEFIB DLY-CMD

CHECS-KU-D/L

LOCK-OPS-RECORDER

ISS-PROX MODE-XTION

C-COCB-FTHR

UNDOCKING

СУДН-ОГНИ-ОН

ISS-STAND MODE-XTION

C-COCB-MODE

СЗП-АБ-PARTIAL CHRГ

ETF-EXPOSE-COMM

ETF-MEDET-COMM

EPM-RACK-SHUTDWN

EPM-RACK-DEACT

IWIS-DATA-TAKE

CHECS-KU-D/L

MCC-H FCT H/O (3/1)

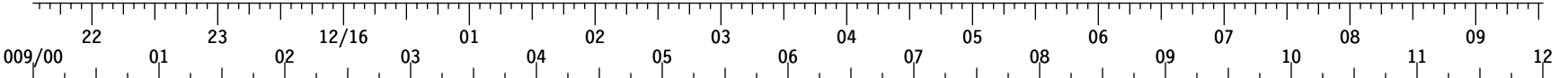
ISS-PROX MODE-XTION

ACS-PMA2-DPRT-CNFG

FD10

GMT 12/15/07 (349)

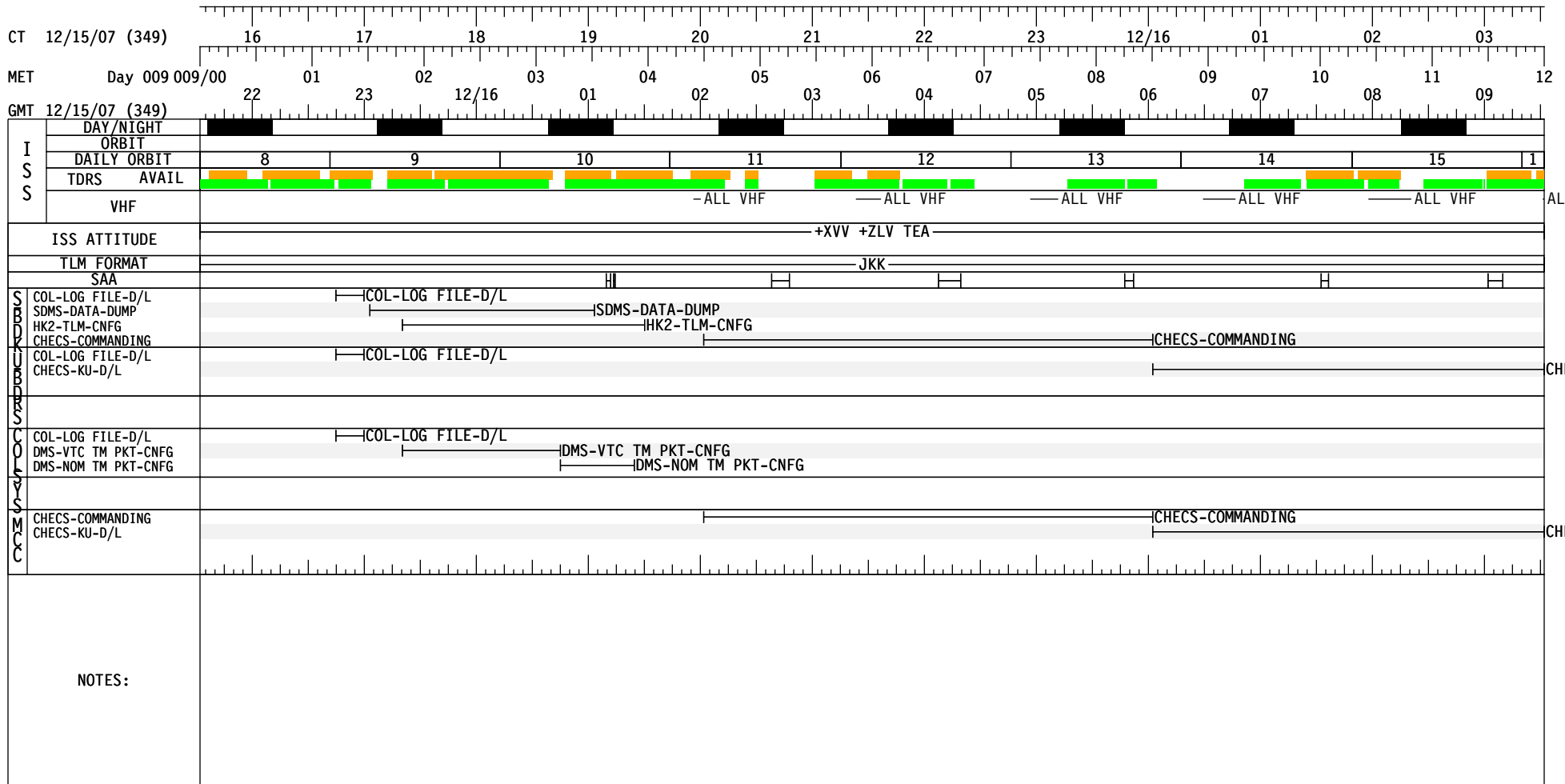
MET Day 009



S T S - 1 2 2	CDR FRICK	M-NZ V-L R-V	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	POST SLEEP
	PLT POINDEXTER		PRE SLEEP	LDRI DNLK	PRE SLEEP*	SLEEP	POST SLEEP
	MS1 MELVIN	⊕	OBSS BERTH	R P M W S R D N	PRE SLEEP	SLEEP	POST SLEEP
	MS2/EV1 WALHEIM				PRE SLEEP	SLEEP	POST SLEEP
	MS3/EV2 SCHLEGEL		M U S		PRE SLEEP	SLEEP	POST SLEEP
	MS4/EV3 LOVE	⊕	OBSS BERTH	R P M W S R D N	PRE SLEEP	SLEEP	POST SLEEP
D N	FE-2 TANI		PRE SLEEP		SLEEP	POST SLEEP	
I S S	ISS CDR WHITSON		PRE SLEEP-ISS		SLEEP	POST SLEEP	
	FE-1 MALENCHENKO		PRE SLEEP-ISS		SLEEP	POST SLEEP	
U P	FE-2 EXP16 EYHARTS		PRE SLEEP-ISS		SLEEP	POST SLEEP	
DAY/NIGHT		[Bar chart showing day/night cycles]					
ORBIT		[Bar chart showing orbit parameters]					
TDRS		[Bar chart showing TDRS data]					
ORB ATT		[Bar chart showing orbit attitude]					
NOTES		⊕PORT WING SURVEY *√ HUM SEP ⊕PORT WING SURVEY ⊕PORT WING SURVEY					

FD10

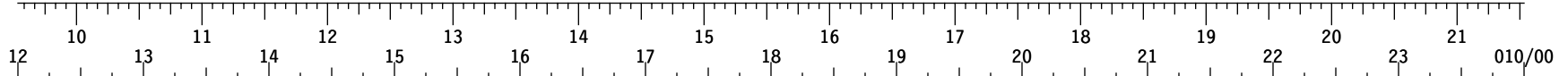
STS-122/1E JOINT MSN SHORT TERM PLAN



FD11

GMT 12/16/07 (350)

MET Day 009

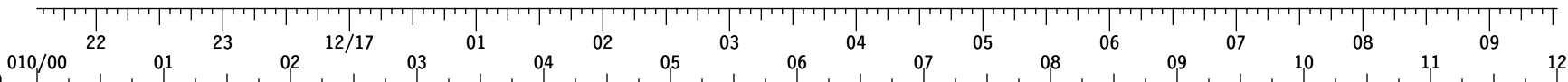


STS - 122	CDR FRICK	POST SLEEP	CABIN STOW	FCS C/O	RFI SRE HOT	PILOT OPS	PE AV OEN T	D/O BRIEF	CABIN STOW	M D N V M R P D	C I O N I D T	MEAL	C T O E N R D M	C I O N I D T	EXERCISE	C T O E N R D M	C S T A B O D I N	M A D O S *	O A O M S B U R N	M - N X L V	OFF D U T Y		
	PLT POINDEXTER	POST SLEEP	CABIN STOW	FCS C/O	RFI SRE HOT	PILOT OPS	PE AV OEN T	D/O BRIEF	E V S N I E T D T R E U Y O P	EXERCISE	MEAL	F E S - I	P W R D U M P	CABIN STOW	O A O M S B U R N	F E S - I T	OFF D U T Y						
	MS1 MELVIN	POST SLEEP	B S L E T O U D P D	B D L R P O A R O W D	B D L R P O A R O W D	B D L R P O A R O W D	S T O W	CABIN STOW	EXERCISE	C S T A B O I W N	P S E O T U P	PE AV OEN T	D/O BRIEF	CABIN STOW	L-1 C O M M C H K	MEAL	C O M M 1	S E V A C T	CABIN STOW	L-1 C O M M C H K	CABIN STOW	K U S T O W	OFF D U T Y
	MS2 WALHEIM	POST SLEEP	EXERCISE	FCS C/O	RFI SRE HOT	PILOT OPS	PE AV OEN T	D/O BRIEF	MEAL	CABIN STOW	LAUNCH ENTRY SUIT C K	R C M B N T S E A T S / U	OFF D U T Y										
	MS3 SCHLEGEL	POST SLEEP	B D S L R U O A B O W J D	CABIN STOW	EXERCISE	D R Y	CABIN STOW	PE AV OEN T	D/O BRIEF	MEAL	CABIN STOW	D R Y	CABIN STOW	ERG STOW	CABIN STOW	M U S	OFF D U T Y						
	MS4 LOVE	POST SLEEP	FILTER CLEANING	B D S L R U O A B O W J D	CABIN STOW	W D L E A S C T *	D R Y	EXERCISE	PE AV OEN T	D/O BRIEF	MEAL	CABIN STOW	D R Y	CABIN STOW	ERG STOW	W D L E A S C T	P G S C S T O W P A R T I	OFF D U T Y					
	FE-2 EXP15 TANI	POST SLEEP	CABIN STOW	B D S L R U O A B O W J D	EXERCISE	CABIN STOW	PE AV OEN T	D/O BRIEF	MEAL	CABIN STOW	LAUNCH ENTRY SUIT C K	R C M B N T S E A T S / U	OFF D U T Y										
DAY/NIGHT	[Timeline bars for Day/Night]																						
ORBIT	[Timeline bars for Orbit]																						
TDRS	W -171.0	[Timeline bars for TDRS]																					
	E -46.0	[Timeline bars for TDRS]																					
	Z -275.0	[Timeline bars for TDRS]																					
ORB ATT	[Timeline bars for Orb Att]																						
GND	[Timeline bars for GND]																						
NOTES	*TERM *HEATER ACT *B/U PGSC *PWR ON																						

FD11

GMT 12/16/07 (350)

MET Day 010



STS-122	CDR FRICK	OFF DUTY	PMC A/G	PRE SLEEP	SLEEP	POST SLEEP
	PLT POINDEXTER	OFF DUTY	ENTRY*	PRE SLEEP	SLEEP	POST SLEEP
	MS1 MELVIN	OFF DUTY		PRE SLEEP	SLEEP	LOG POST SLEEP
	MS2 WALHEIM	OFF DUTY		PRE SLEEP	SLEEP	LOG POST SLEEP
	MS3 SCHLEGEL	OFF DUTY		PRE SLEEP	DRY SLEEP	LOG POST SLEEP
	MS4 LOVE	OFF DUTY		PRE SLEEP	DRY SLEEP	LOG POST SLEEP
	FE-2 EXP15 TANI	OFF DUTY		PRE SLEEP	SLEEP	POST SLEEP
EYHARTS DAY/NIGHT						
ORBIT						
TDRS						
ORB ATT						
GND						
NOTES						

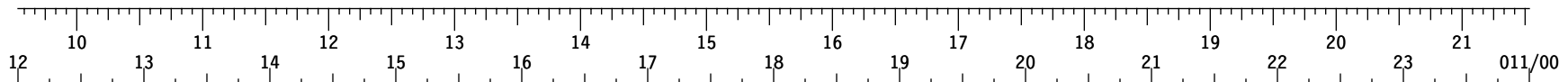


*COOLING CNFG

FD12

GMT 12/17/07 (351)

MET Day 010



STS-122	CDR FRICK	POST SLEEP	MADPMSA/G GPRRUP	IMU ALIGN & VERIF	T-RXKSI	DEORBIT PREP		
	PLT POINDEXTER	POST SLEEP	GPRRUP	POST SLEEP		DEORBIT PREP	KSC	KSC
	MS1 MELVIN	POST SLEEP			WSTAO WATCH	DEORBIT PREP	D	L
	MS2 WALHEIM	POST SLEEP			WSTAO WATCH	DEORBIT PREP	E	A
	MS3 SCHLEGEL	POST SLEEP			WSTAO WATCH	DEORBIT PREP	O	N
	MS4 LOVE	POST SLEEP			WSTAO WATCH	DEORBIT PREP	R	D
	FE-2 EXP15 TANI	POST SLEEP			WSTAO WATCH	DEORBIT PREP	B	I

DAY/NIGHT	[Day/Night Cycle]							
ORBIT	167	168	169	170	171	172	173	174
TDRS	W -171.0	E -46.0	Z -275.0					
ORB ATT	-ZLV -XV		-XSI		COMM	LANDING	-MLA	-DFR
GND								

NOTES *ENABLE *SAMPLE *SALIVA KIT ***KSC TIG 10/18:56** ***KSC LANDING 10/19:58**

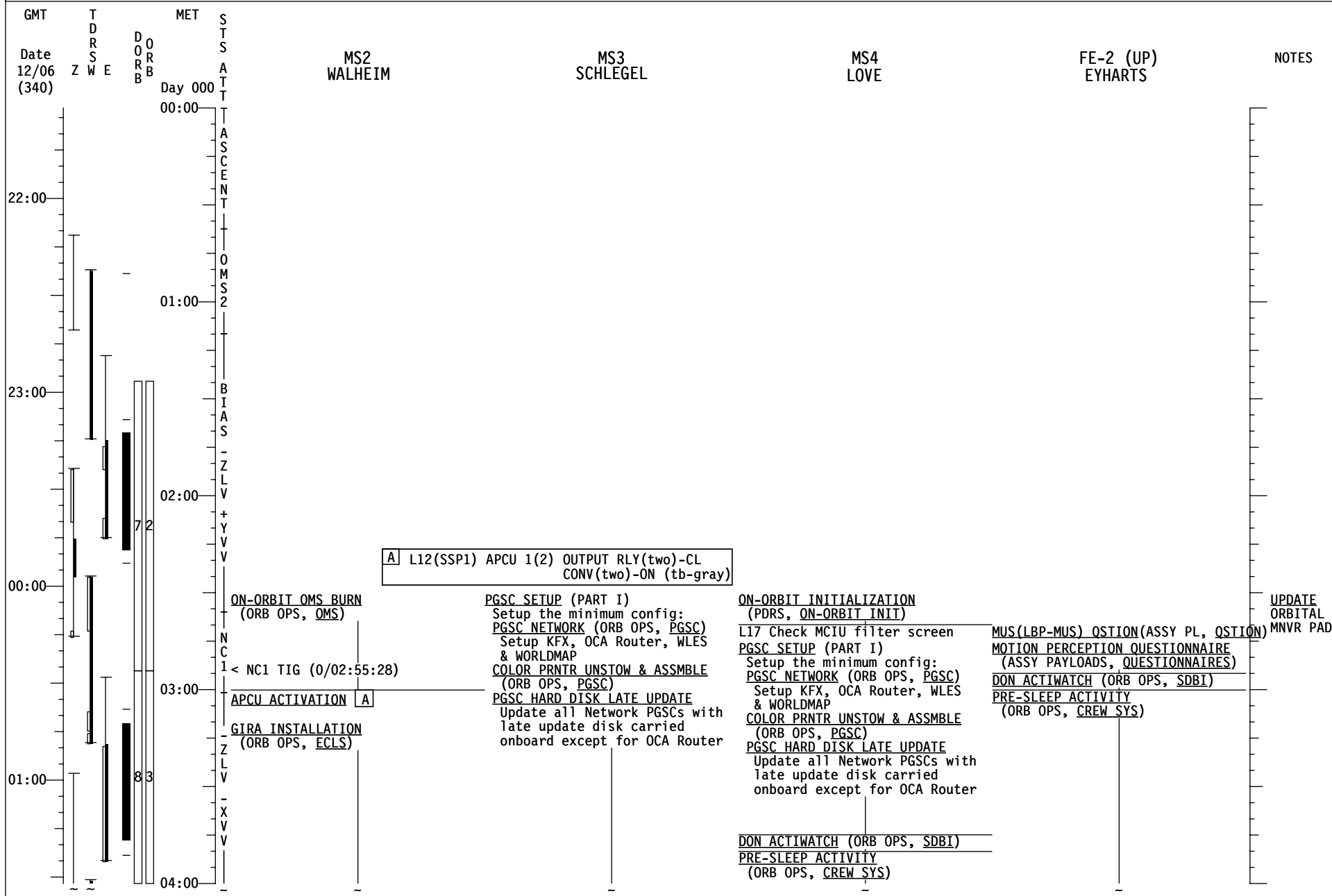
DETAILED TIMELINE

DETAILED
TIMELINE

STS-122 FD (01)

GMT	TDRSEZ	MET	STS ATT	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/06 (340)	W E Z	Day 000	ASCENT				
22:00		00:00	ASCENT	ACTIVITIES PRIOR TO 0/2:30 ARE IN THE ASCENT AND POST INSERTION CHECKLISTS. THE ORBITER SHOULD BE IN A BIAS -ZLV -YVV ATTITUDE UPON ENTERING THE FLIGHT PLAN.			
			OMSS	FD01 EZ ACTIVITIES: <u>PCS 1(2) CONFIG (ORB OPS, ECLS)</u> Config PCS 1 with 14.7 CAB REG INLET SYS 1,2 VLV - CL <u>LAMP TEST (ORB OPS, EPS)</u> <u>SMK DETN CKT TEST (ORB OPS, ECLS)</u> <u>CSA-CP BATTERY CHANGEOUT (ORB OPS, CSA-CP)</u> <u>CSA-CP CHECKOUT AND ZERO CALIBRATION OPS (ORB OPS, CSA-CP)</u> <u>VTR CLOCK SET (PHOTO/TV, DTV) if not performed for PLBD rec</u> <u>MS2&MS3: If PMZ Req'd, perform PMZ PROTOCOL (ORB OPS, SDBI)</u>			
23:00		01:00	BIAS				
			-ZLV				UPLINK β21 + Mask
			+YVV				
00:00		02:00	NC	ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT INITIALIZATION (PDRS, ON-ORBIT INIT)	UPDATE ORBITAL MNVR PAD
			1	< NC1 TIG (0/02:55:28)	< NC1 TIG (0/02:55:28)	OCAC SETUP (ORB OPS, CREW SYS)	
			72	MNVN (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A6/AUTO/ALT Init TRK		SSV NOMINAL SETUP (PHOTO/TV, SSV) SSV OUTFRATE - 4	
			83	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) V Omit Steps 3,7 & 10 (Single G2)	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Omit Steps 3,7 & 10 (Single G2)	DON ACTIWATCH (ORB OPS, SDBI) DATE/TIME SET (PHOTO/TV, DCS 760)	
01:00		03:00	X	IMU ALIGN - S TRK (ORB OPS, GNC)	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
			V	AFT CONTROLLER C/O (ORB OPS, GNC)			
			V	ELEVON PARK, GNC 201 (ORB OPS, GNC)			
04:00		04:00					

STS-122 FD (01)



[A] L12(SSP1) APCU 1(2) OUTPUT RLY(two)-CL
CONV(two)-ON (tb-gray)

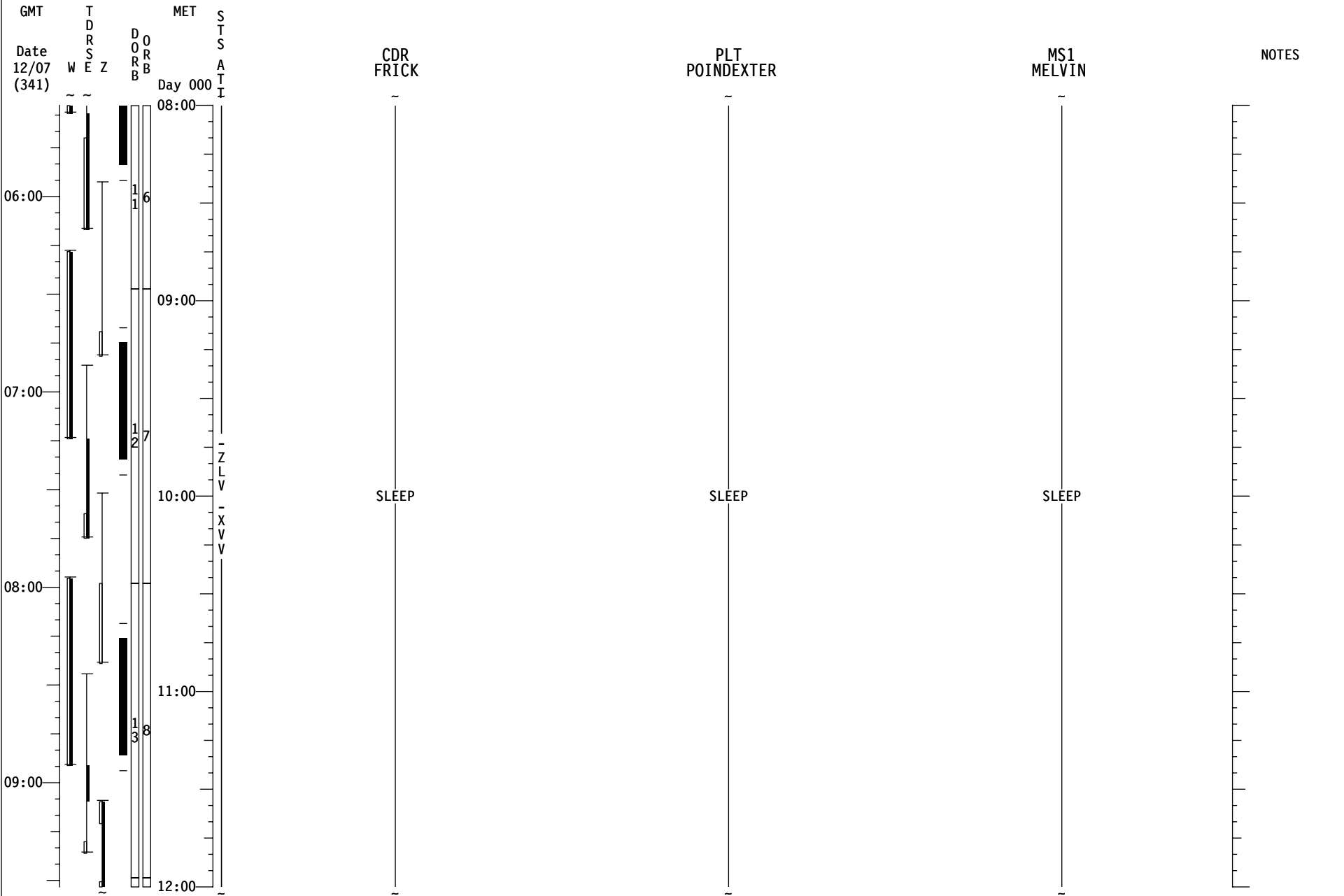
STS-122 FD (01)

GMT Date 12/07 (341)	T D R S E Z W E Z	M E T D O R B Day 000	S T S A T I	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
		04:00		INSTALL BLEED ORIFICE [A] Perform Post GIRA INSTALL: SHUTTLE EMERGENCY EYEWASH (SEE) Unstow, attach on or near galley Fill one drink container and Label it "FOR EYE RINSE ONLY" and attach on or near galley	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		02:00			UMBILICAL WELL TPS CAMR IMGRY D/L (ORB OPS, PGSC)		
			Z L V		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
		05:00		PRIVATE MEDICAL CONFERENCE	√HUM SEP for H2O Accumulation		
			X V				
		03:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		06:00		APU FDI RECONFIGS R2 BLR PWR(three)-OFF A12 APU HTR GG/FU PMP(three)-A AUTO			
					[A] M069M Insert Bleed Orifice Assembly into LEH 02 8 QD LEH 02 8 vlv-OP		
		04:00	M N V R				
		07:00		SLEEP	SLEEP	SLEEP	
		05:00					
		08:00					

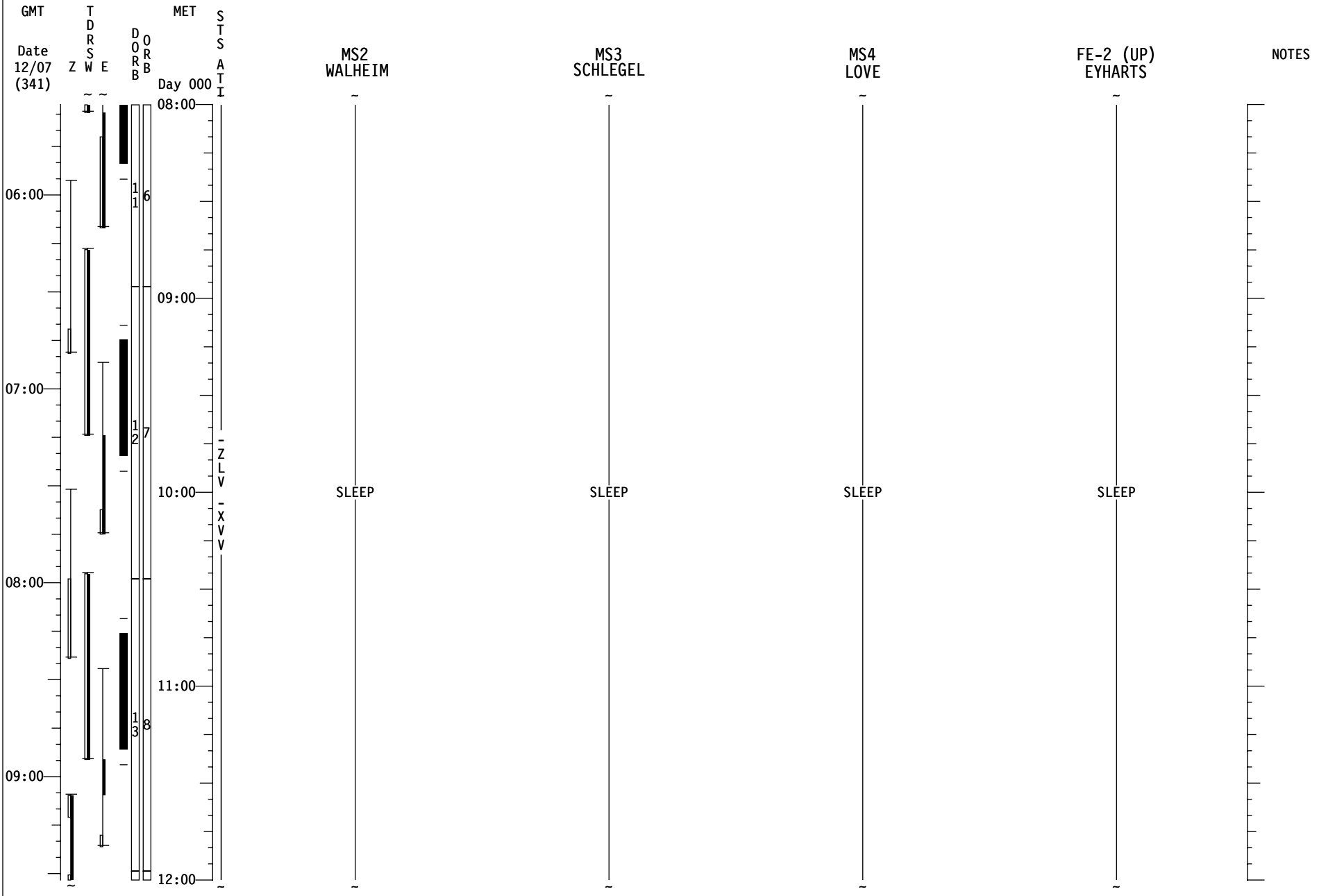
STS-122 FD (01)

GMT Date 12/07 (341)	T D R S W E Z	M E T Day 000	S T S A T T I	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
				<p><u>GIRA INSTALLATION</u> (ORB OPS, ECLS)</p> <p><u>DCS FILE XFER (PHOTO/TV, DCS 760)</u> ET HANDHELD PHOTO</p> <p><u>DON ACTIWATCH (ORB OPS, SDBI)</u></p> <p><u>PLAYBACK (DIGITAL)</u> (PHOTO/TV, CUE CARD) ET HANDHELD VIDEO D/L KU TDRW (01:55-02:23)</p> <p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>	<p><u>PGSC SETUP (PART I)</u> Setup the minimum config: <u>PGSC NETWORK (ORB OPS, PGSC)</u> Setup KFX, OCA Router, WLES & WORLDMAP</p> <p><u>COLOR PRNTR UNSTOW & ASSMBLE</u> (ORB OPS, PGSC)</p> <p><u>PGSC HARD DISK LATE UPDATE</u> Update all Network PGSCs with late update disk carried onboard except for OCA Router</p> <p><u>ACTIVATION & CHECK OUT</u> (ORB OPS, WLE SENSORS) Prior to start, Late Update complete on WLES & WORLDMAP PGSCs</p> <p><u>DON ACTIWATCH (ORB OPS, SDBI)</u></p> <p><u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p>			
				SLEEP	SLEEP	SLEEP	SLEEP	

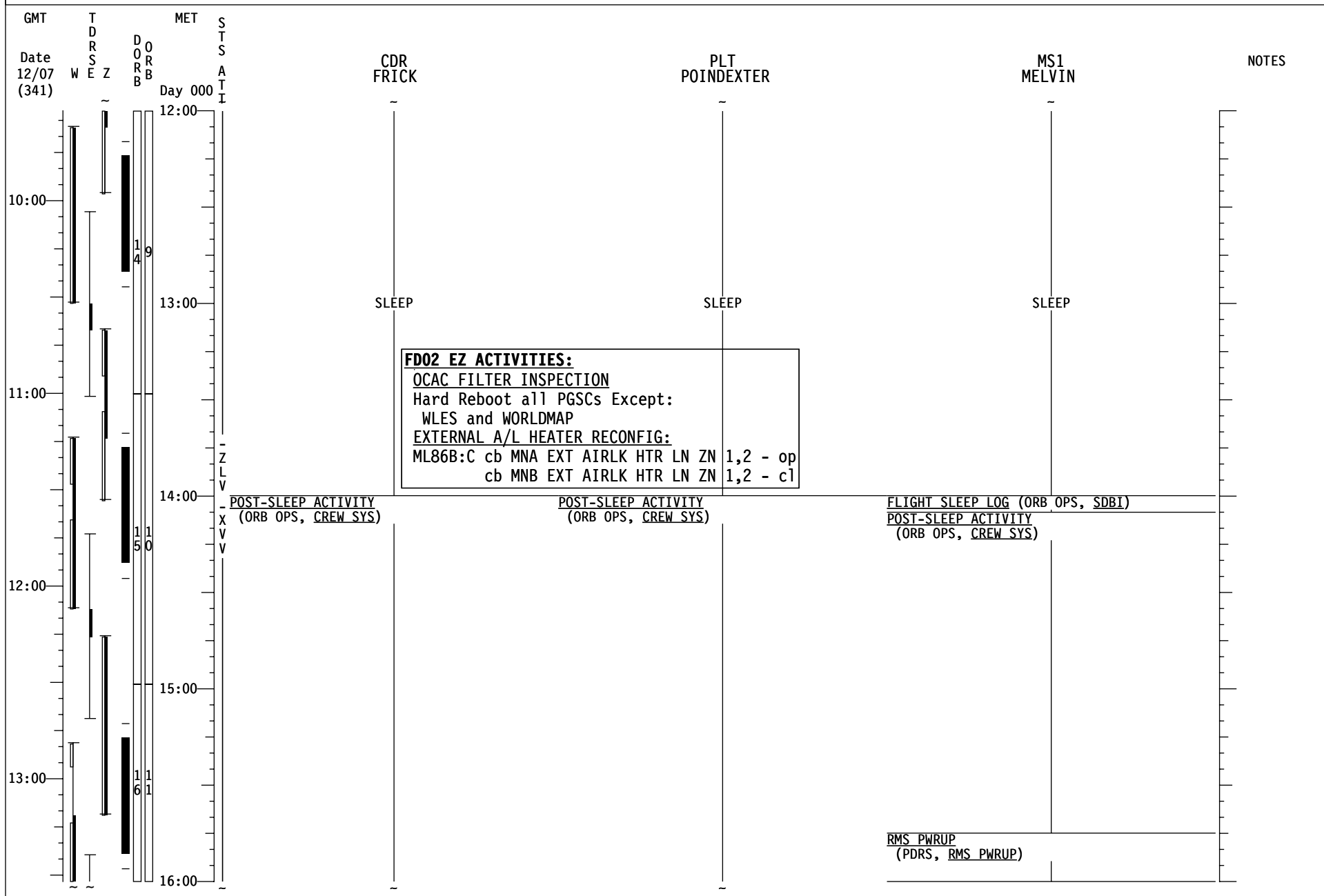
STS-122 FD (01)



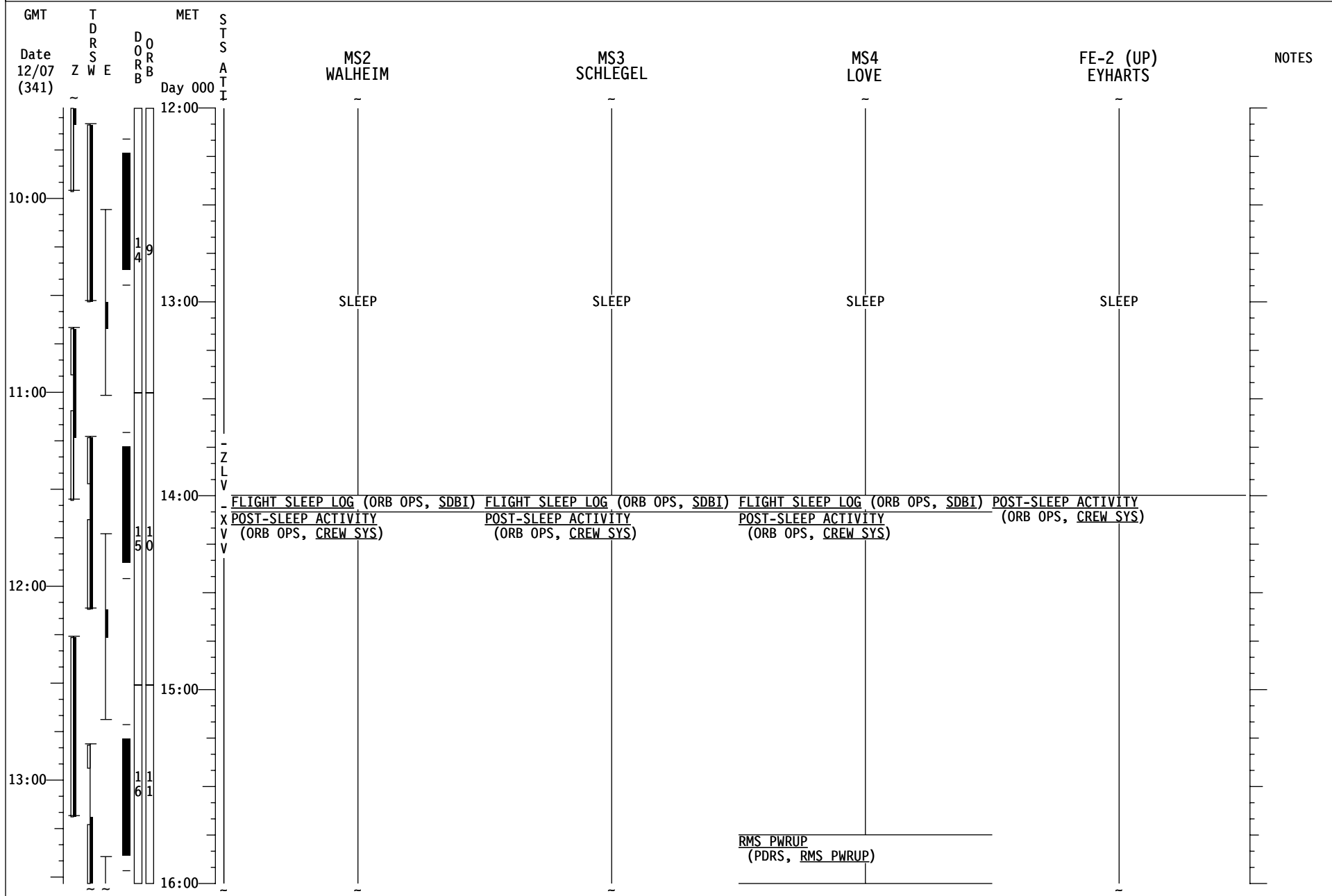
STS-122 FD (01)



STS-122 FD (02)



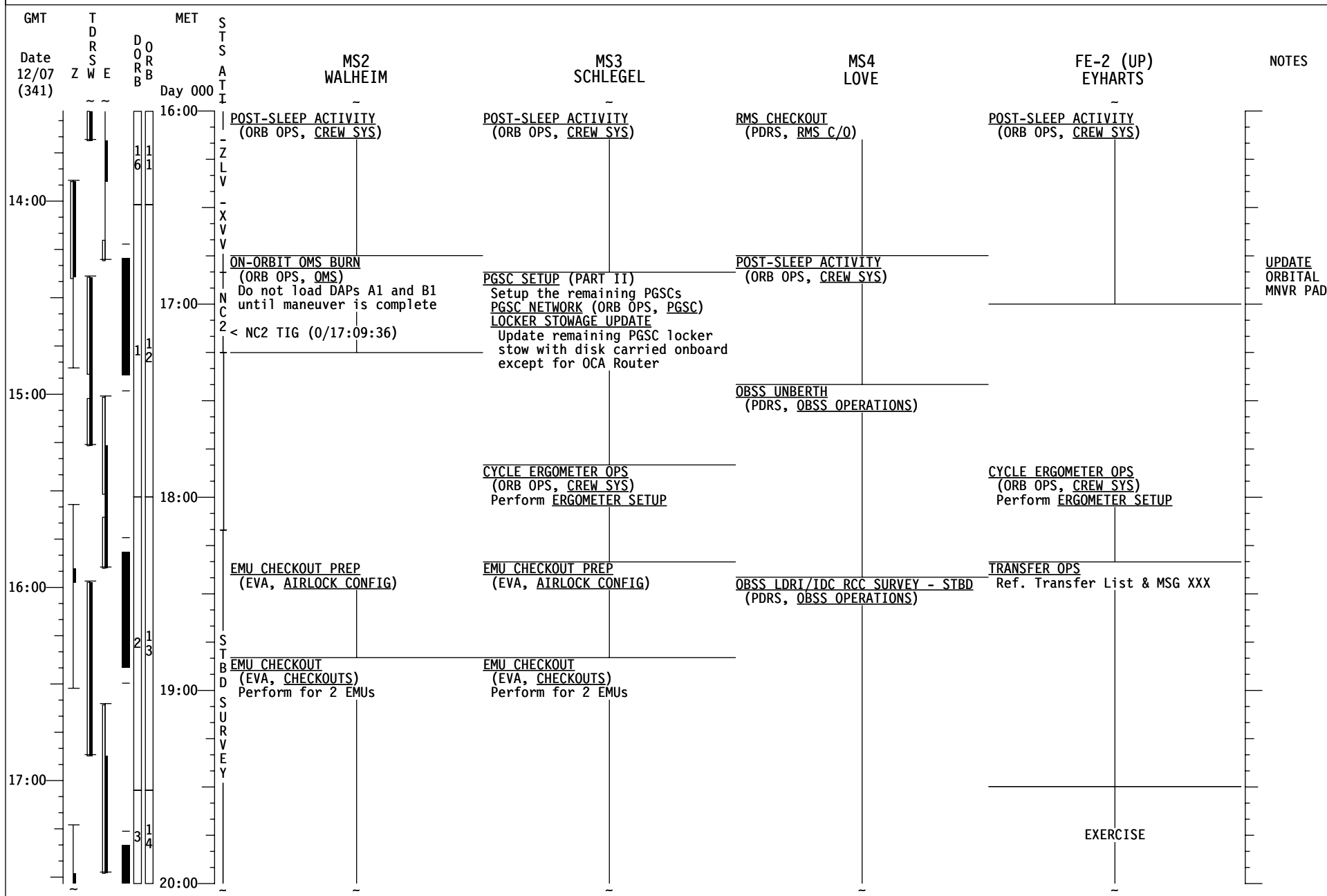
STS-122 FD (02)



STS-122 FD (02)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/07 (341)	W E Z	Day 000	DOORB				
16:00			16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS CHECKOUT (PDRS, RMS_C/O)	
14:00			16:00				
			17:00	ON-ORBIT OMS BURN (ORB OPS, OMS) Do not load DAPs A1 and B1 until maneuver is complete	ON-ORBIT OMS BURN (ORB OPS, OMS) Do not load DAPs A1 and B1 until maneuver is complete	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPDATE ORBITAL MNVR PAD
			17:00	< NC2 TIG (0/17:09:36)	< NC2 TIG (0/17:09:36)	L12(SSP1) APCU 2 CONV - OFF(tb-bp) OUTPUT RLY - OP(tb-bp)	
15:00			15:00	MNVR (TRK) BIAS -ZLV +XV (Flat Field) TG=2 BV=3 OM=160 A1/AUTO/VERN Init TRK	APCU CONFIG FOR OBSS UNBERTH Expect 'S200 APCU2 VOLT LMT' Msg	OBSS UNBERTH (PDRS, OBSS OPERATIONS)	
			15:00	RCS/OMS HEATER RECONFIG IMU ALIGN - S TRK (ORB OPS, GNC)	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)		
			18:00	A A14 RCS/OMS HTR L POD A - OFF B - AUTO R POD A - OFF B - AUTO			
16:00			16:00	MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=345 A14/AUTO/VERN Init TRK	CRYO 02 TK HTR SNSR CK (ORB OPS, EPS)		
			16:00	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
17:00			19:00		02 REPRESS INIT C5 DIRECT 02 vlv - OP		
			20:00		02 REPRESS TERM on MCC GO C5 DIRECT 02 vlv - CL		

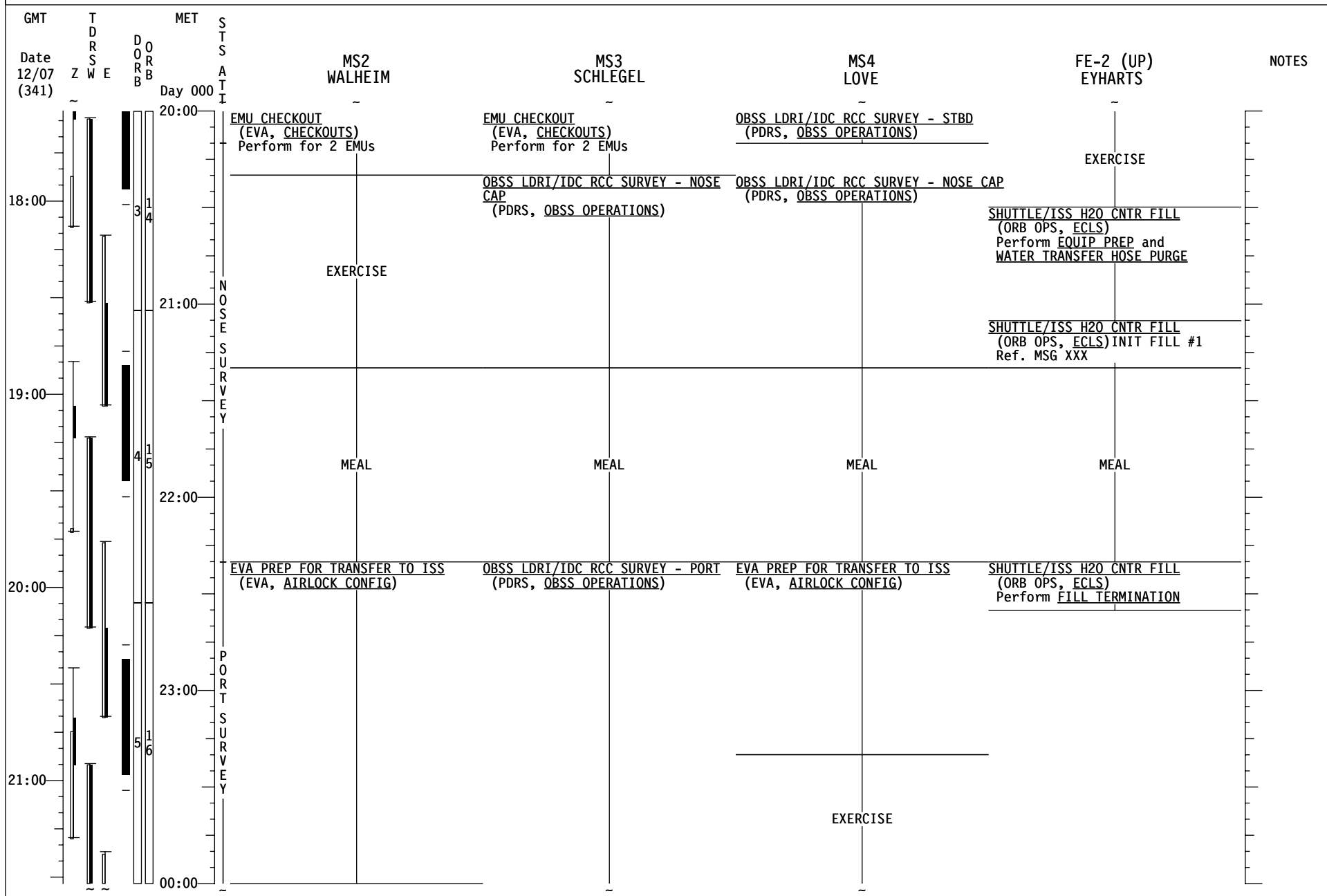
STS-122 FD (02)



STS-122 FD (02)

GMT	TDRS W E Z	MET Day 000	S T S A T I	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/07 (341)	D O R B 1 4 3 4 4 5 5 6	20:00	N O S E S U R V E Y	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
				OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	MNVR (TRK) BIAS +XSI (Nose Cap) TG=4 BV=5 P=330 Y=0 OM=185 A14/AUTO/VERN Init TRK		
					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE		
					FC PURGE - MANUAL (ORB OPS, EPS)		
					R2 BLR CNTLR/HTR (three) - B		
18:00		21:00		MEAL	MEAL	MEAL	
19:00		22:00					
20:00		23:00	P O R T S U R V E Y	In step 3 of OBSS/LDRI RCC SURVEY-PORT MNVR TRK BIAS -YSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=189 A14/AUTO/VERN Init TRK OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	
21:00		00:00					

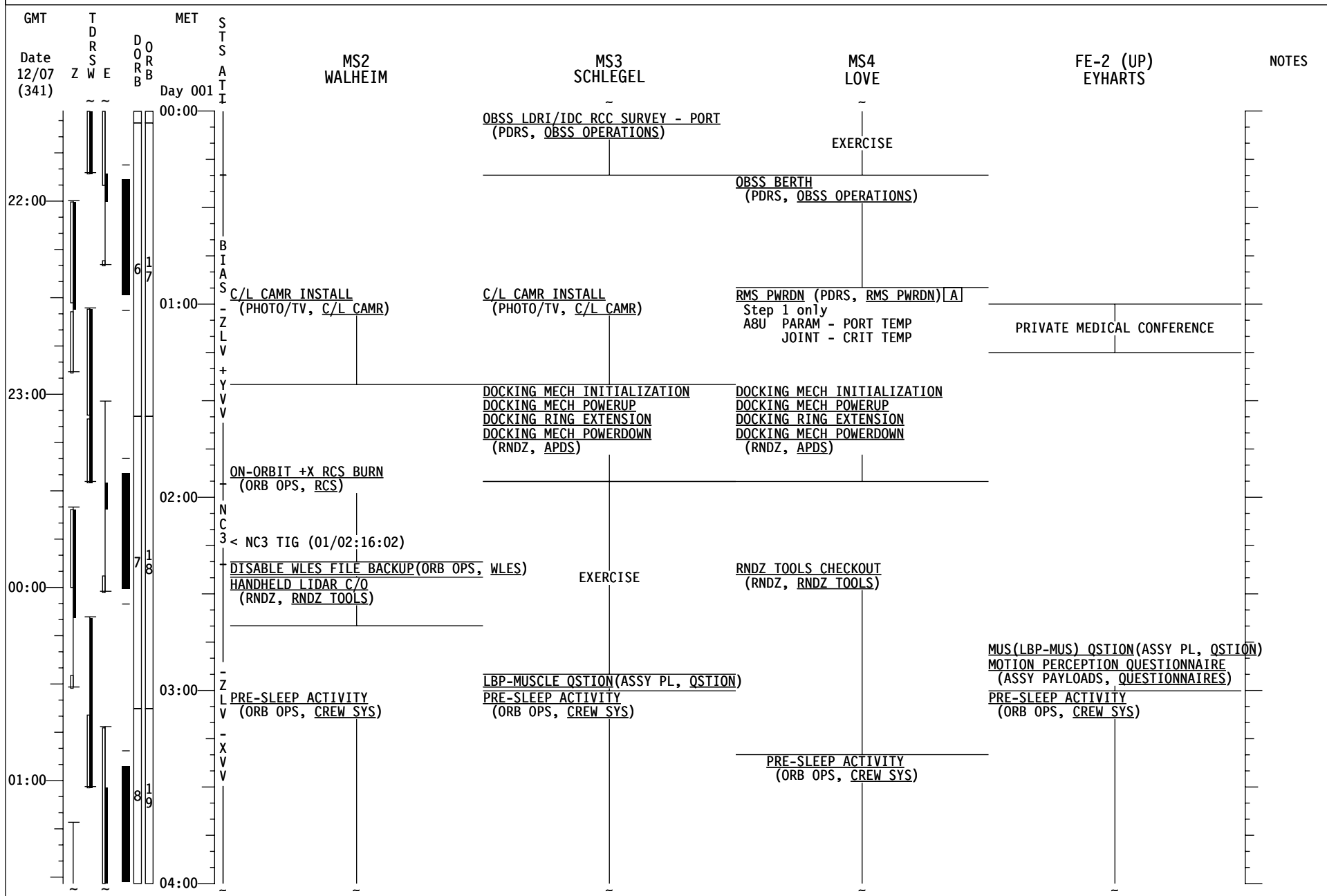
STS-122 FD (02)



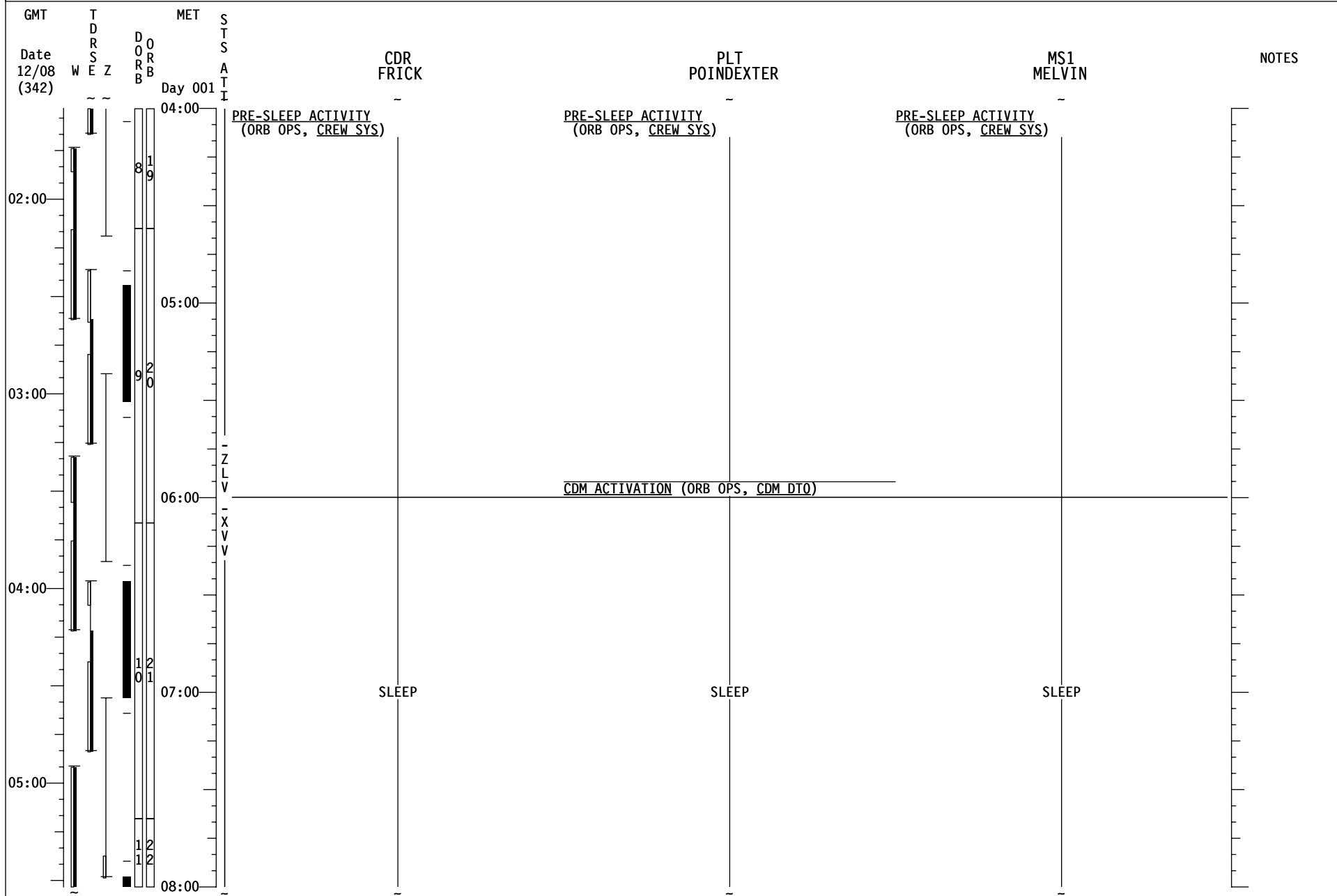
STS-122 FD (02)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/07 (341)	W E Z	Day 001	DOORB				
00:00				OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	
22:00				MNVR (TRK) BIAS -ZLV +YVV TG=2 BV=3 OM=150 A14/AUTO/VERN Init TRK	EXERCISE	OBSS BERTH (PDRS, OBSS OPERATIONS)	
				B L12(SSP1) APCU 2 OUTPUT RLY - CL CONV - ON (tb-gray)		A A8U PARAM - PORT TEMP JOINT - CRIT TEMP	
23:00					EXERCISE	RMS PWRDN (PDRS, RMS PWRDN) LA Step 1 only PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) LDRI SURVEYS	
					P/TV08 EXTERNAL SURVEY (S/U) (P/TV, SCENES) Step 1 P/TV08 EXTERNAL SURVEY (OPS) (P/TV, SCENES) Item 1		
					FCMS OPS (ORB OPS, EPS)		
00:00				ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)		
				< NC3 TIG (01/02:16:02)	< NC3 TIG (01/02:16:02)		
				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A6/AUTO/ALT Init TRK	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)		TFL 192
				FUTURE LOADED MNVR (-ZLV +YVV, Water Dump) TG=2 BV=3 OM=270 A6/AUTO/ALT (1/13:50) Init TRK			
03:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
01:00				PRIVATE MEDICAL CONFERENCE	CDM SETUP & BATT C/O (ORB OPS, CDM DTQ) Loc 1		TFL 188
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
04:00							

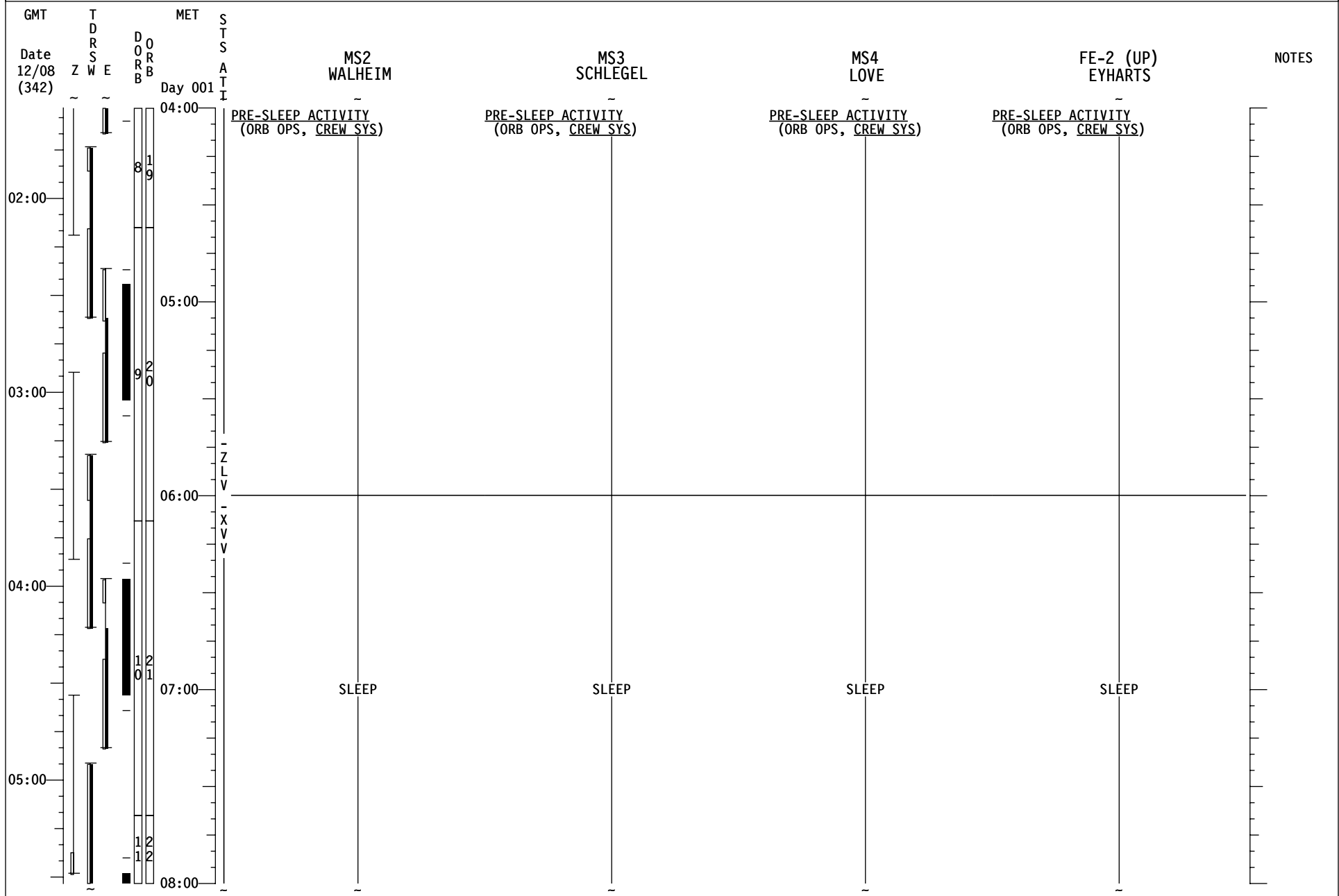
STS-122 FD (02)



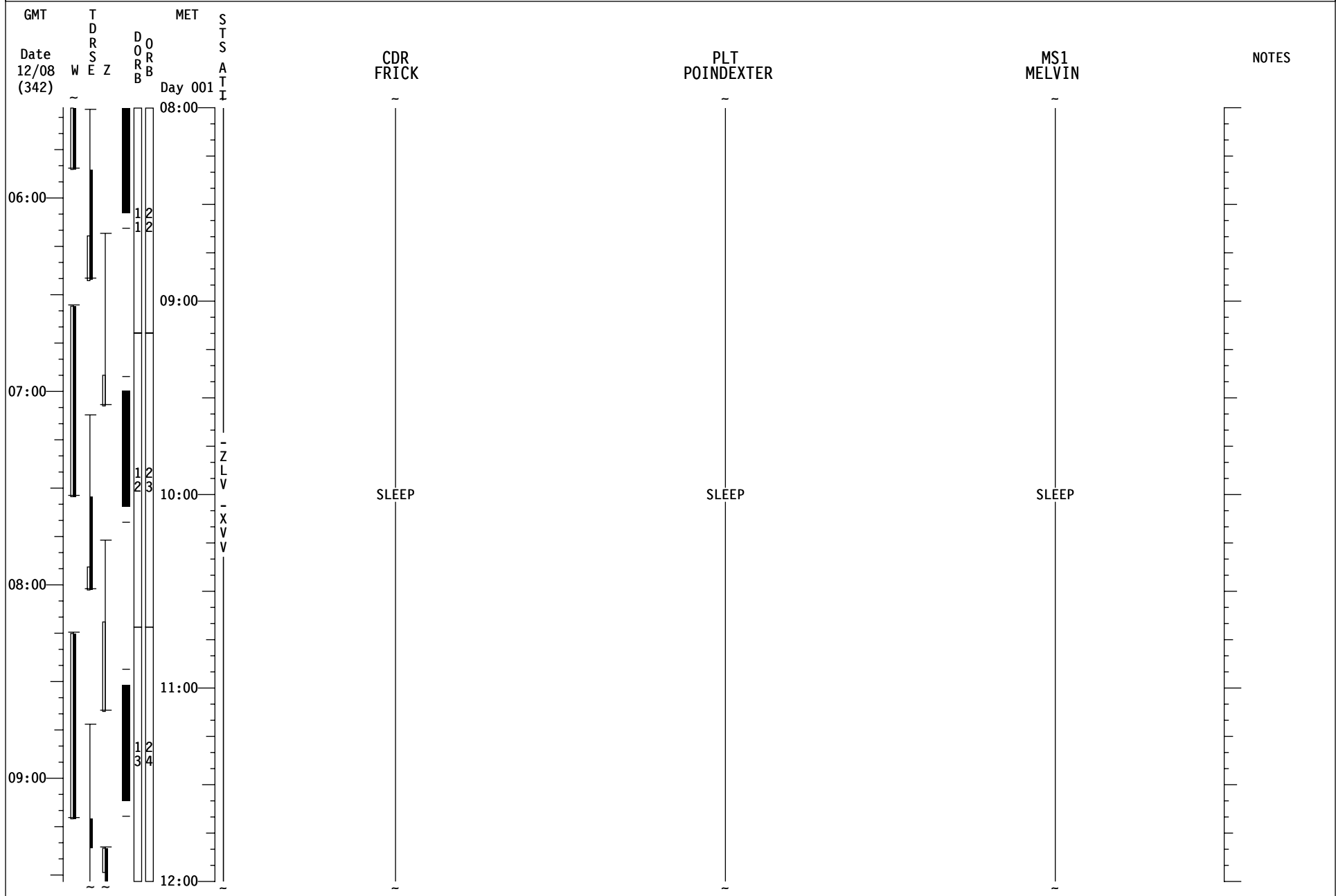
STS-122 FD (02)



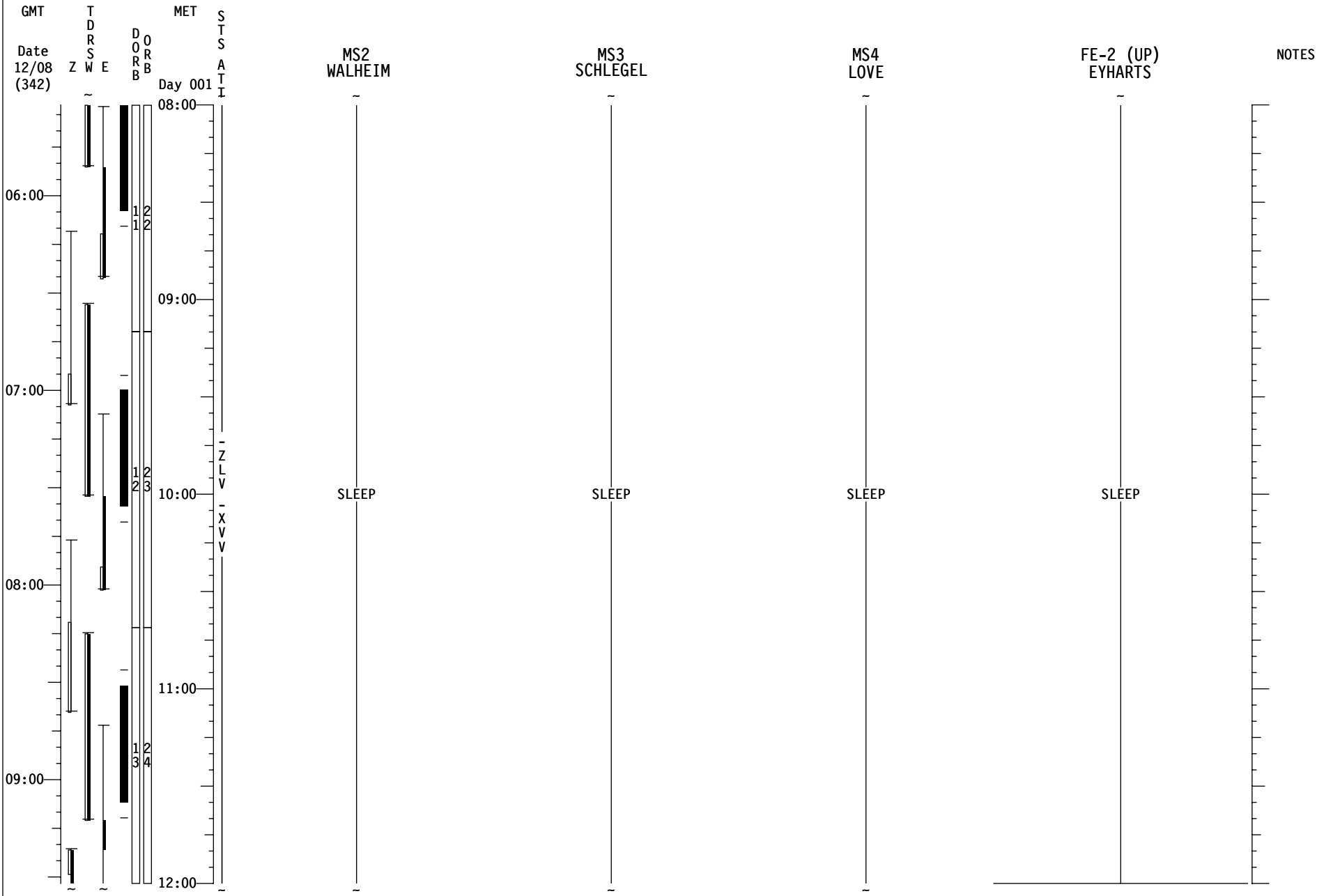
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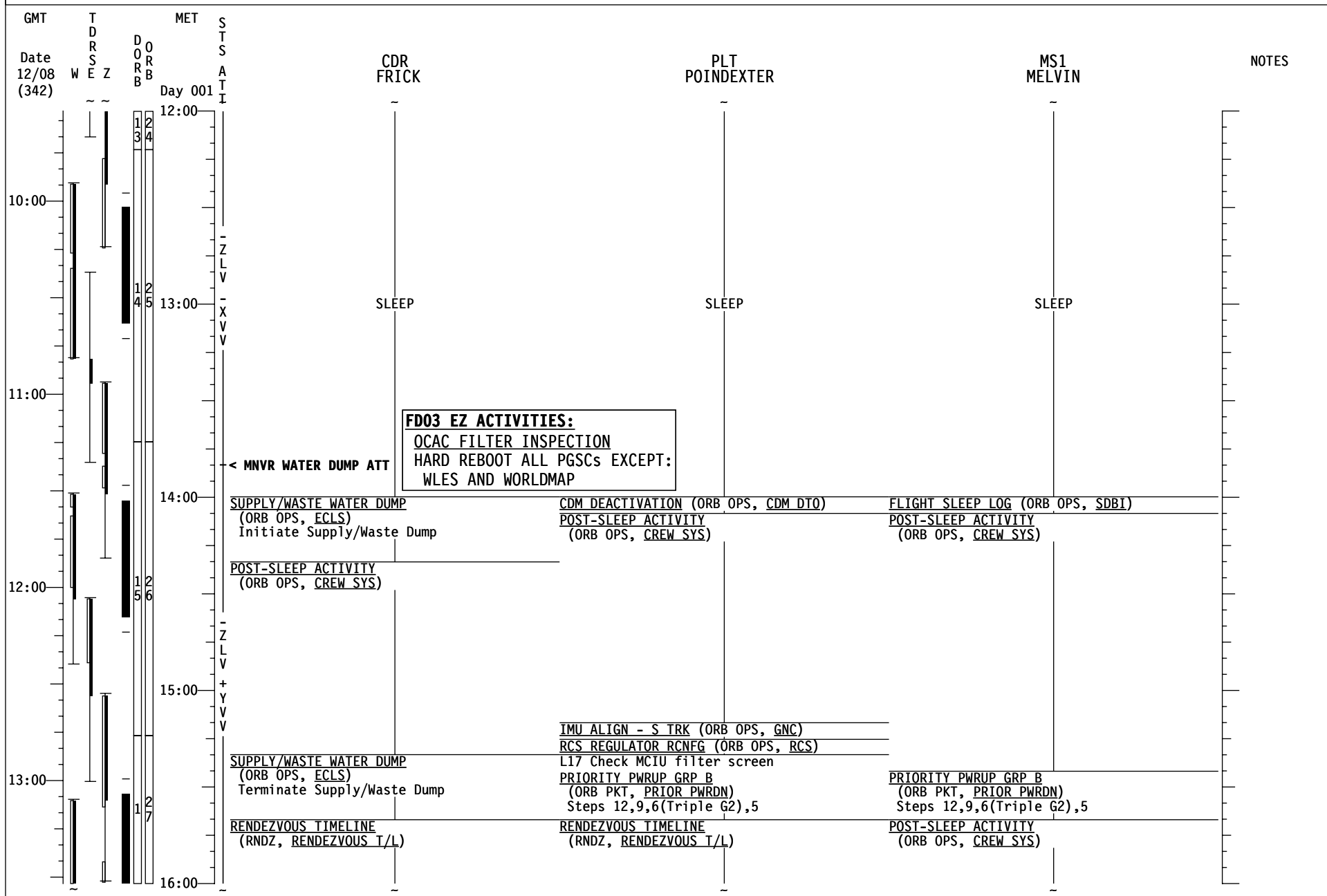
STS-122 FD (02)



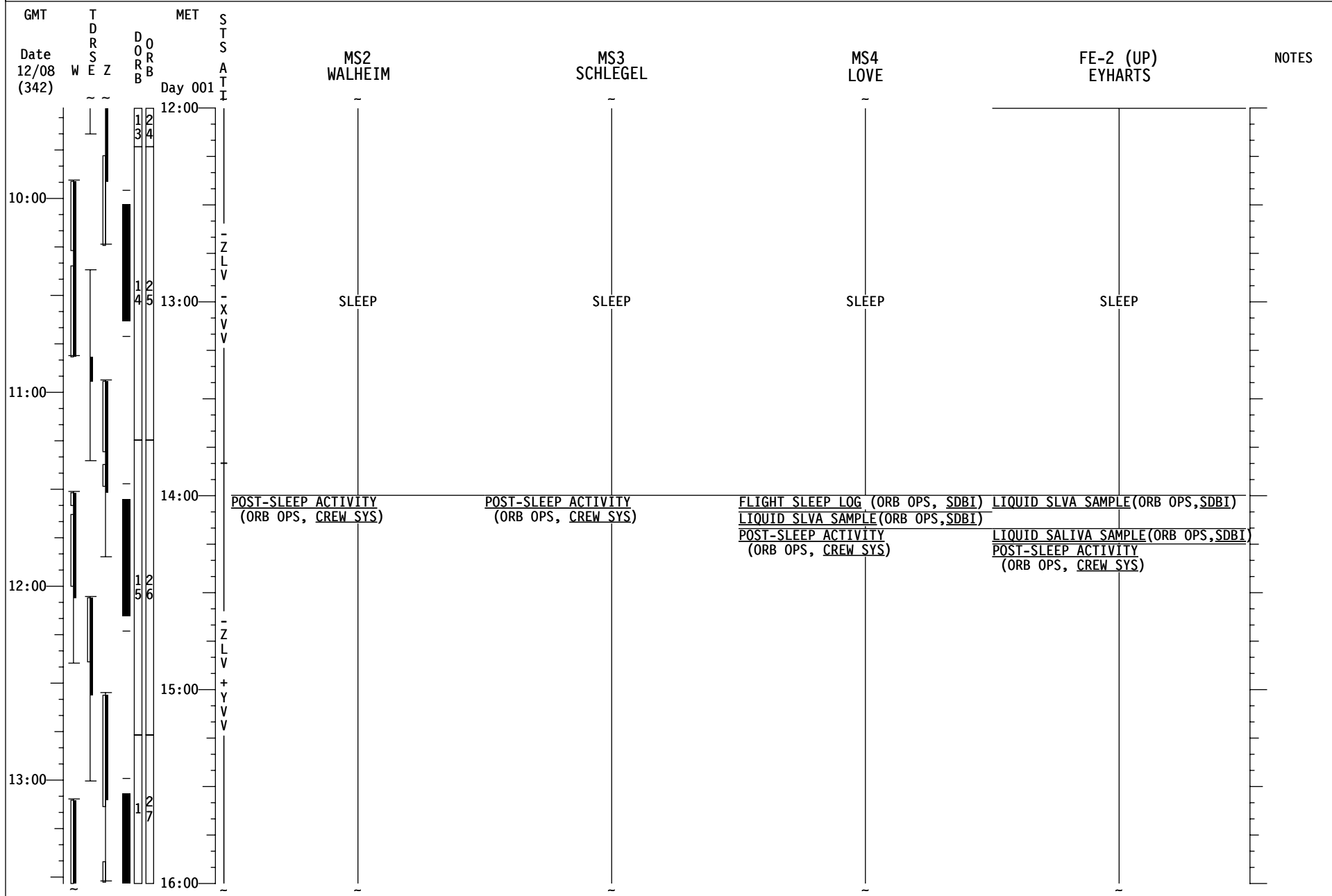
STS-122 FD (02)



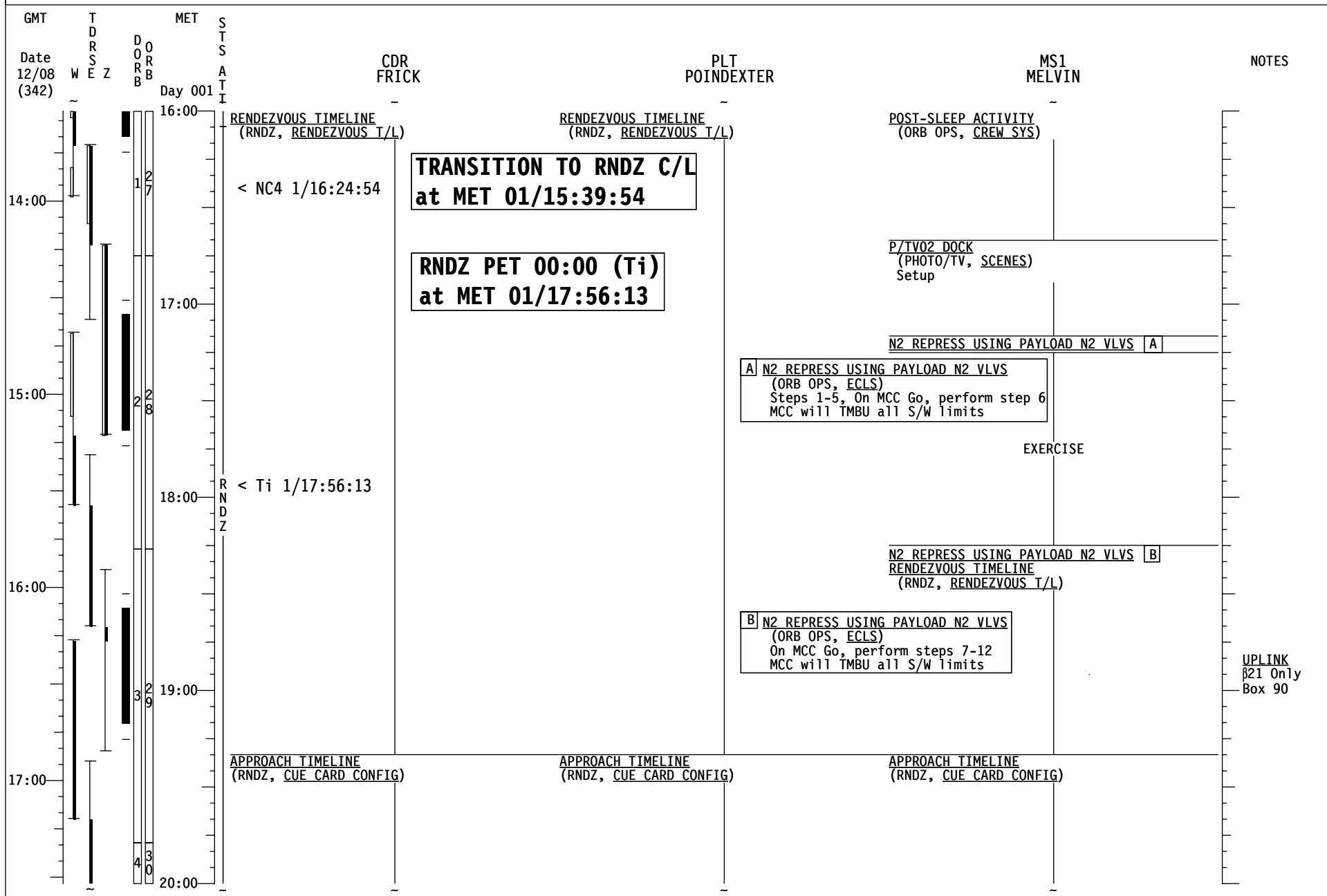
STS-122 FD (03)



STS-122 FD (03)



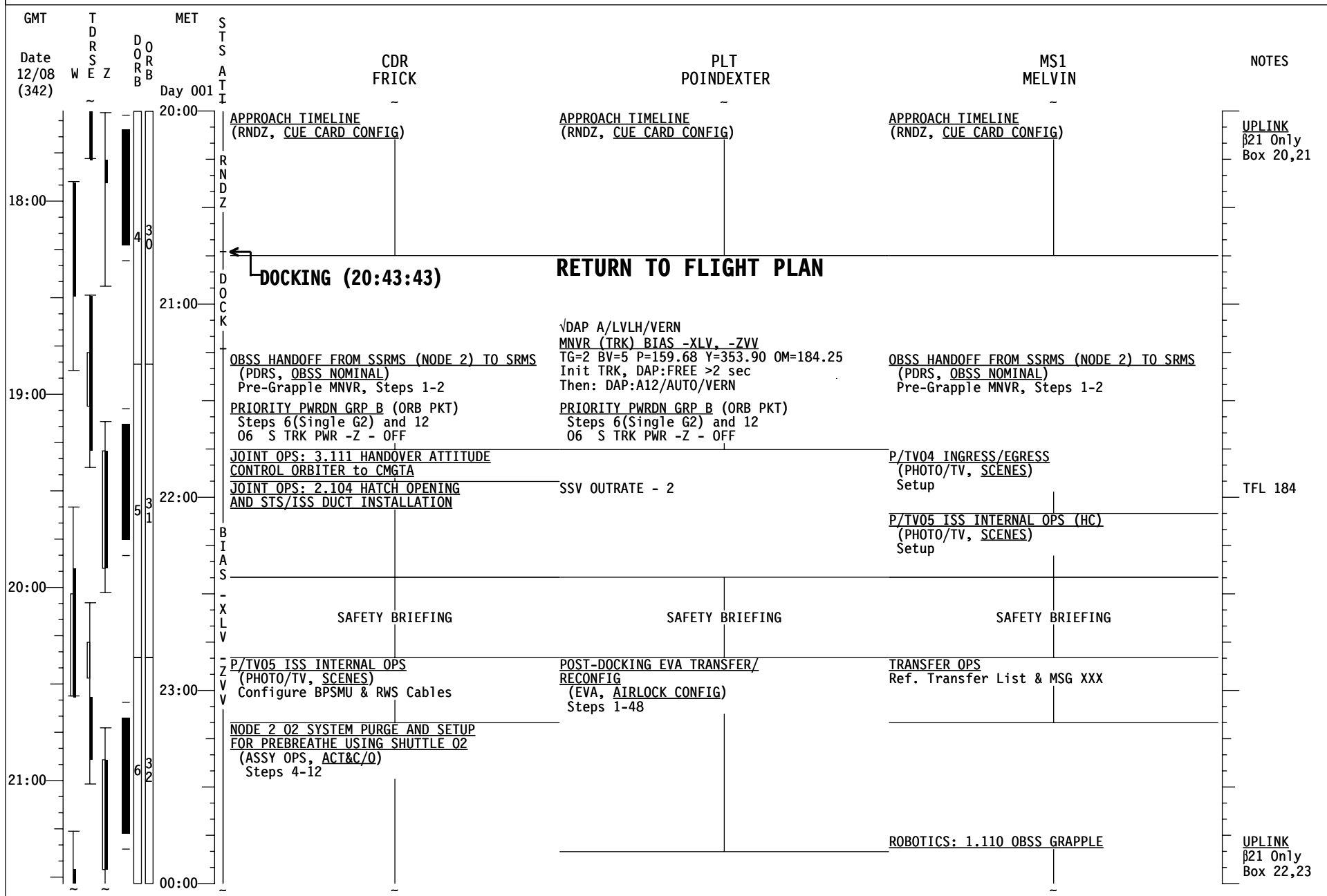
STS-122 FD (03)



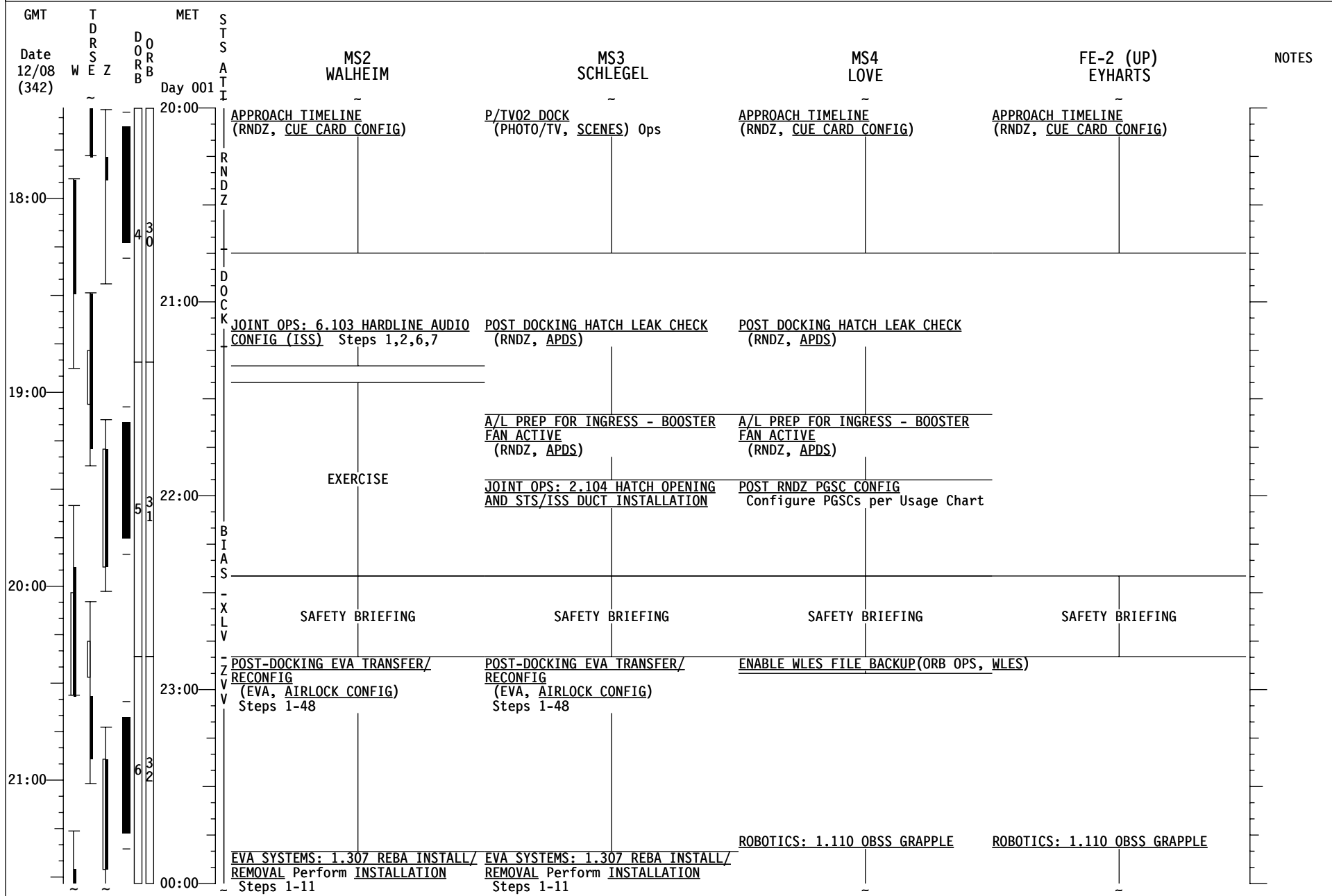
STS-122 FD (03)



STS-122 FD (03)



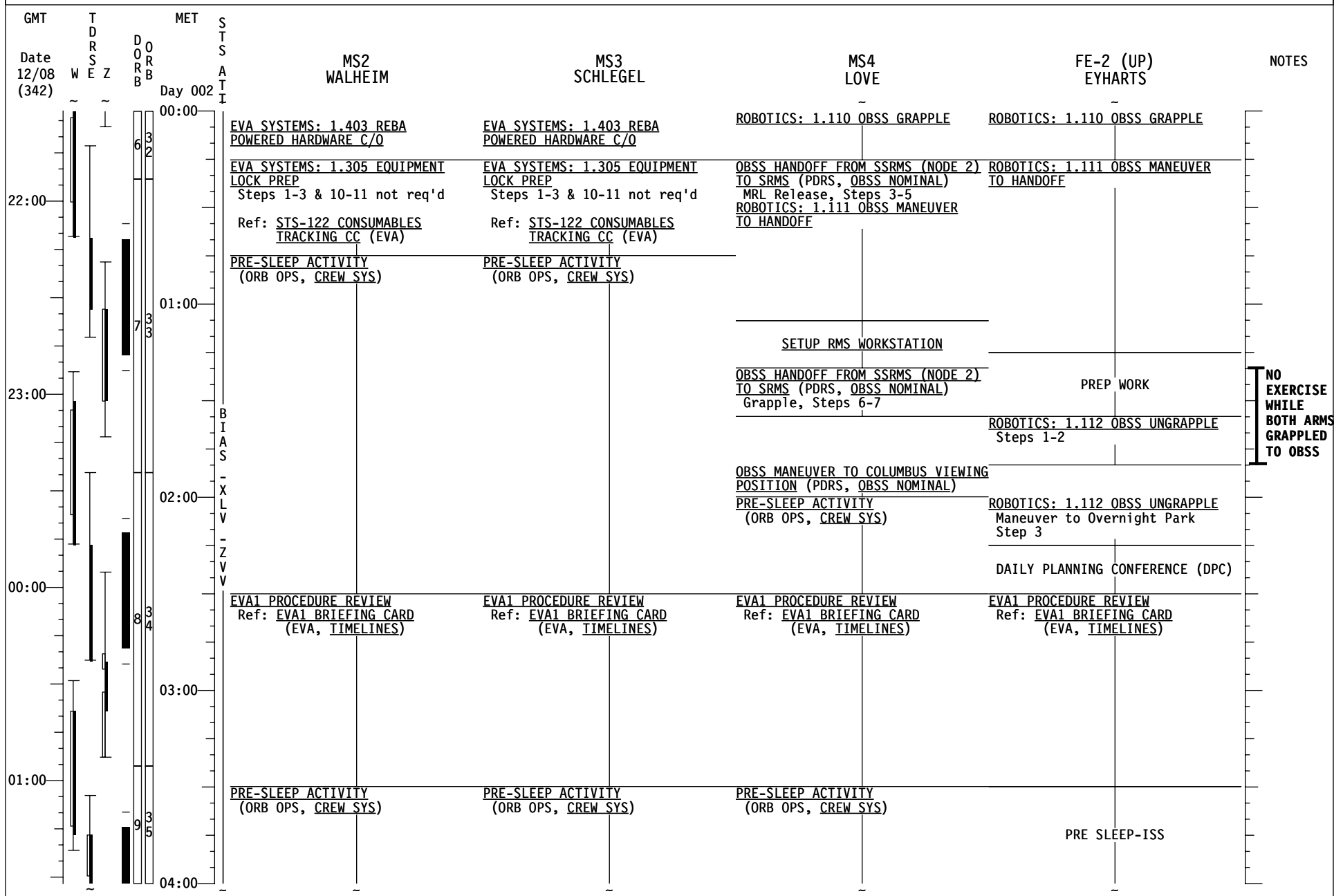
STS-122 FD (03)



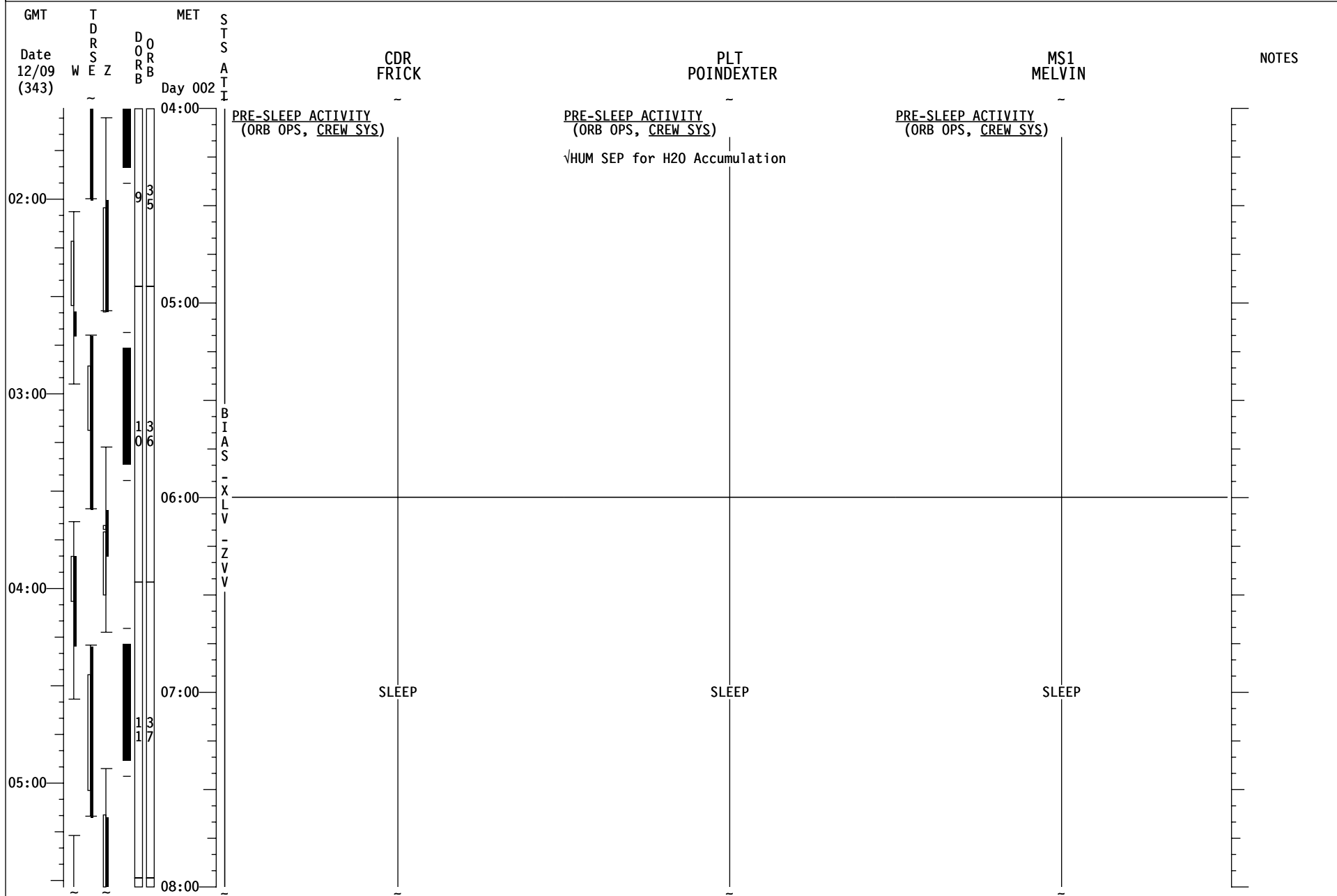
STS-122 FD (03)

GMT	TDRS W E Z	MET Day 002	S T S A T I	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES	
Date 12/08 (342)	D O R B 6 3 2	00:00 22:00 01:00 23:00 02:00 00:00 03:00 01:00 04:00	B I A S X L V - Z V V	<u>NODE 2 O2 SYSTEM PURGE AND SETUP FOR PREBREATHE USING SHUTTLE O2 (ASSY OPS, ACT&C/Q) Steps 4-12</u>	<u>EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP</u> Steps 1-3 & 10-11 not req'd Ref: <u>STS-122 CONSUMABLES TRACKING CC (EVA)</u>	<u>ROBOTICS: 1.110 OBSS GRAPPLE</u> <u>ROBOTICS: 1.111 OBSS MANEUVER TO HANDOFF</u>		
				<u>OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) Grapple, Steps 6-7</u>	<u>PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) DOCKING VIDEO KU TDRW (01:33-02:05)</u>	<u>ROBOTICS: 1.112 OBSS UNGRAPPLE</u> Steps 1-2	NO EXERCISE WHILE BOTH ARMS GRAPPLED TO OBSS	
				<u>OBSS MANEUVER TO COLUMBUS VIEWING POSITION (PDRS, OBSS NOMINAL)</u>	<u>EVA1 PROCEDURE REVIEW</u> Ref: <u>EVA1 BRIEFING CARD (EVA, TIMELINES)</u>	<u>EVA1 PROCEDURE REVIEW</u> Ref: <u>EVA1 BRIEFING CARD (EVA, TIMELINES)</u>		<u>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u>
				PRIVATE MEDICAL CONFERENCE	<u>EVA1 PROCEDURE REVIEW</u> Ref: <u>EVA1 BRIEFING CARD (EVA, TIMELINES)</u>	<u>EVA1 PROCEDURE REVIEW</u> Ref: <u>EVA1 BRIEFING CARD (EVA, TIMELINES)</u>		<u>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u>
				<u>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u>	/HUM SEP for H2O Accumulation	<u>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</u>		

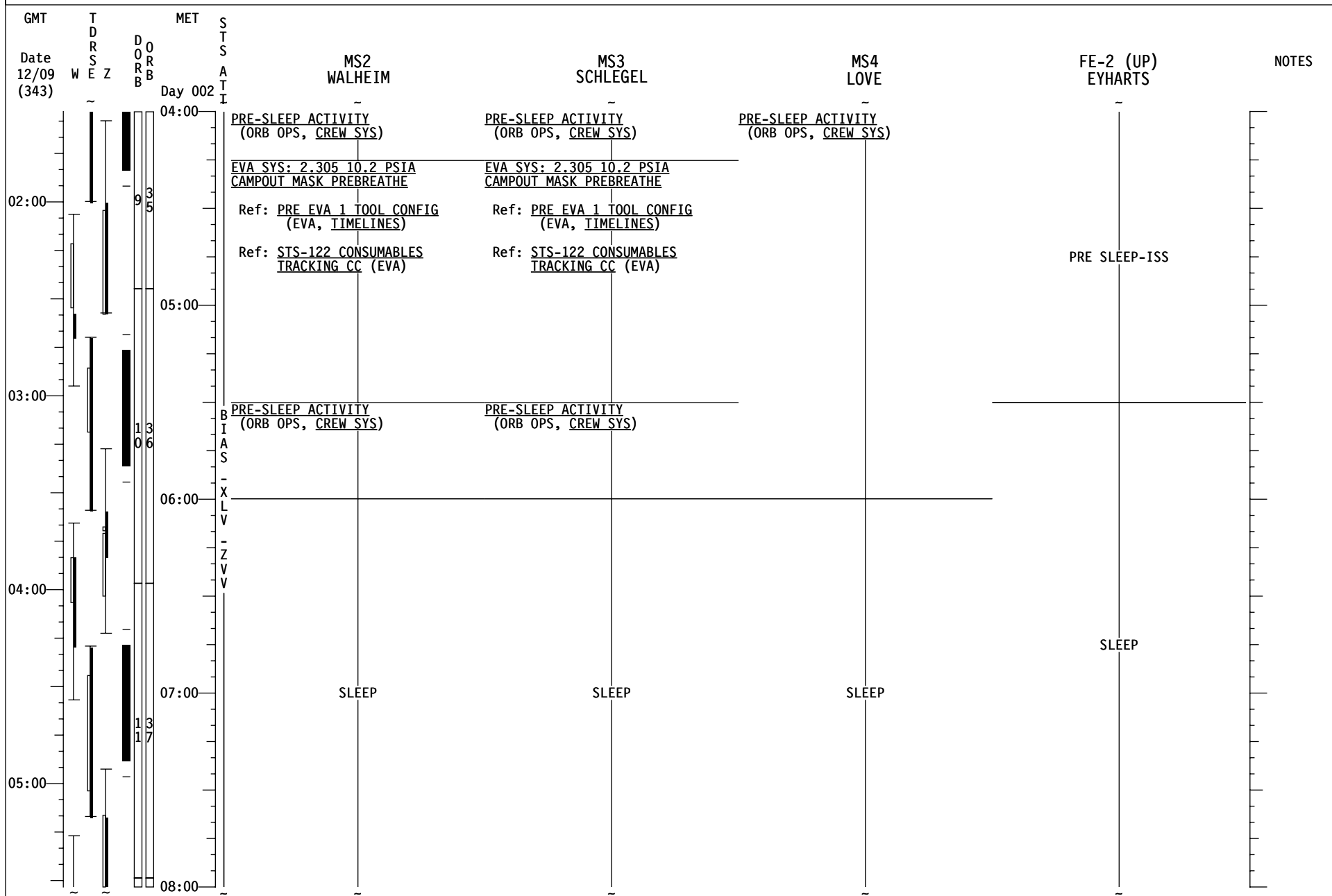
STS-122 FD (03)



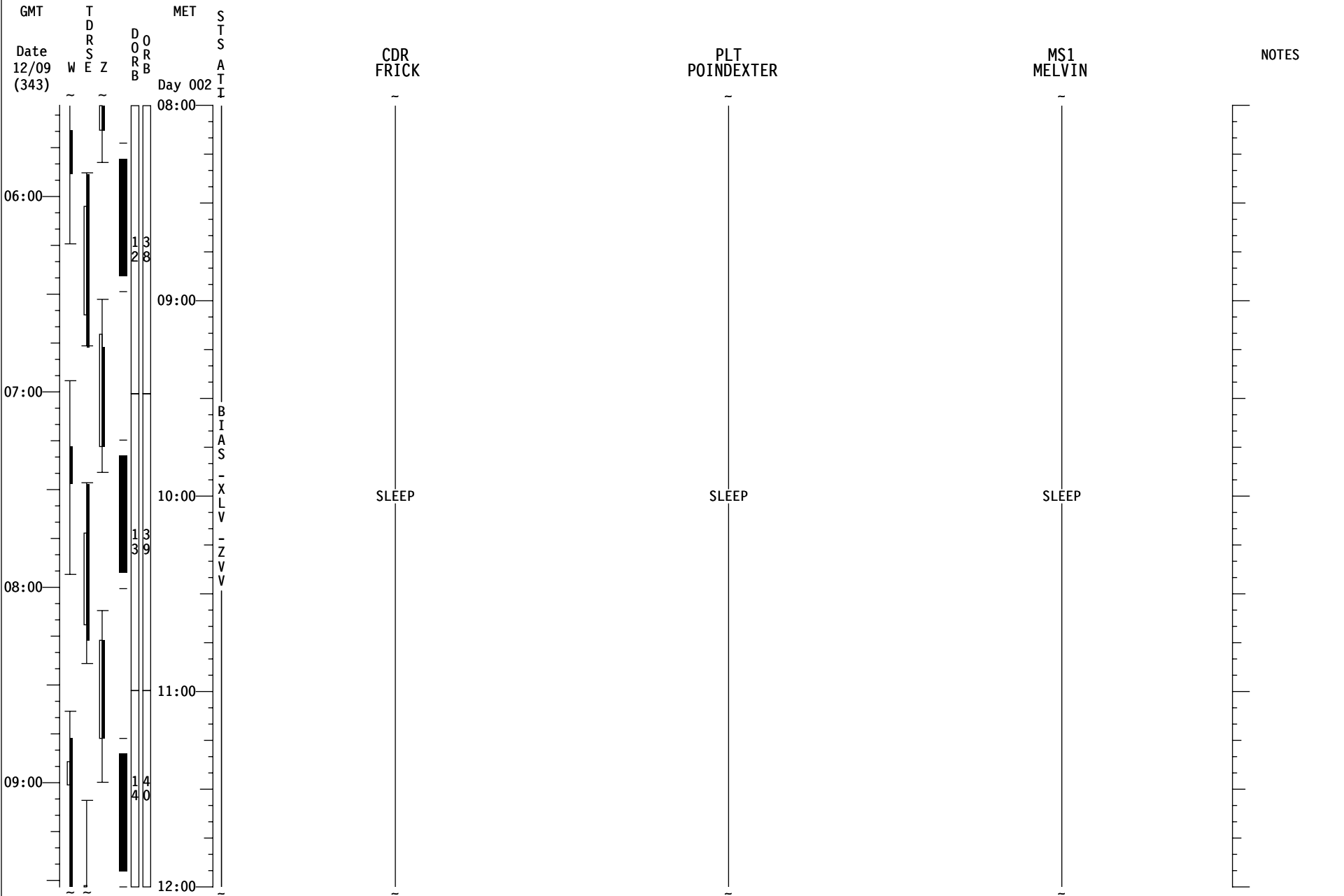
STS-122 FD (03)



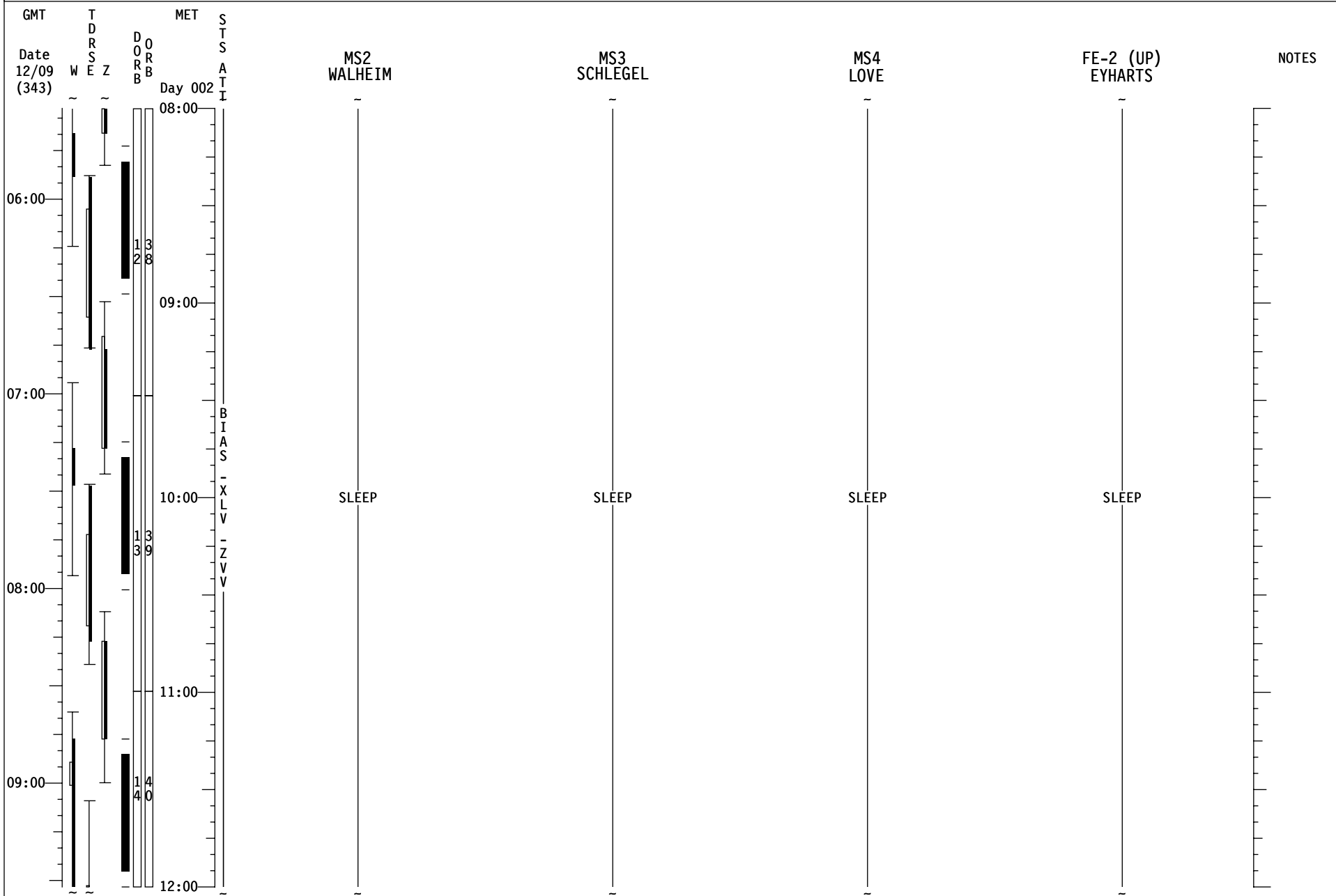
STS-122 FD (03)



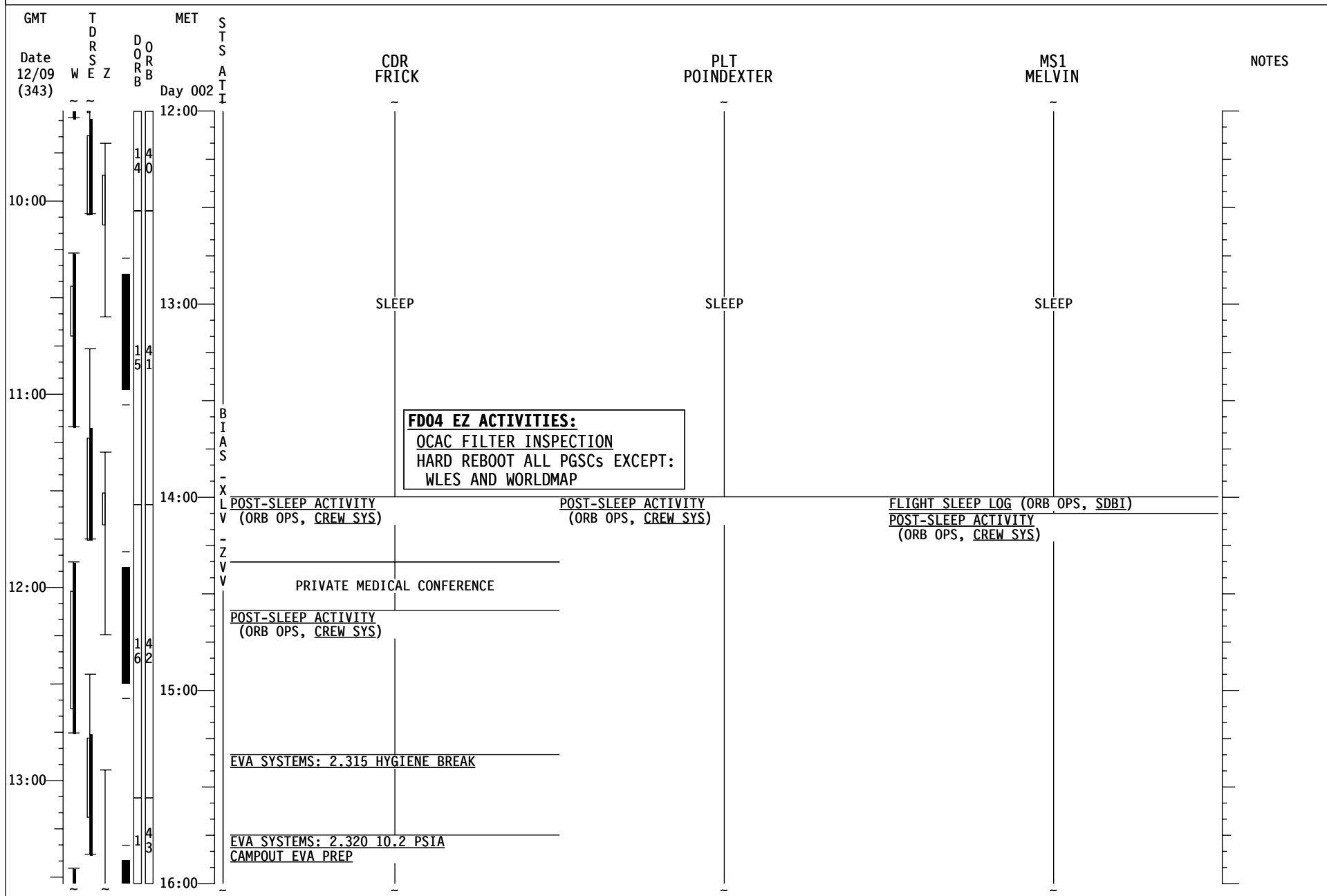
STS-122 FD (03)



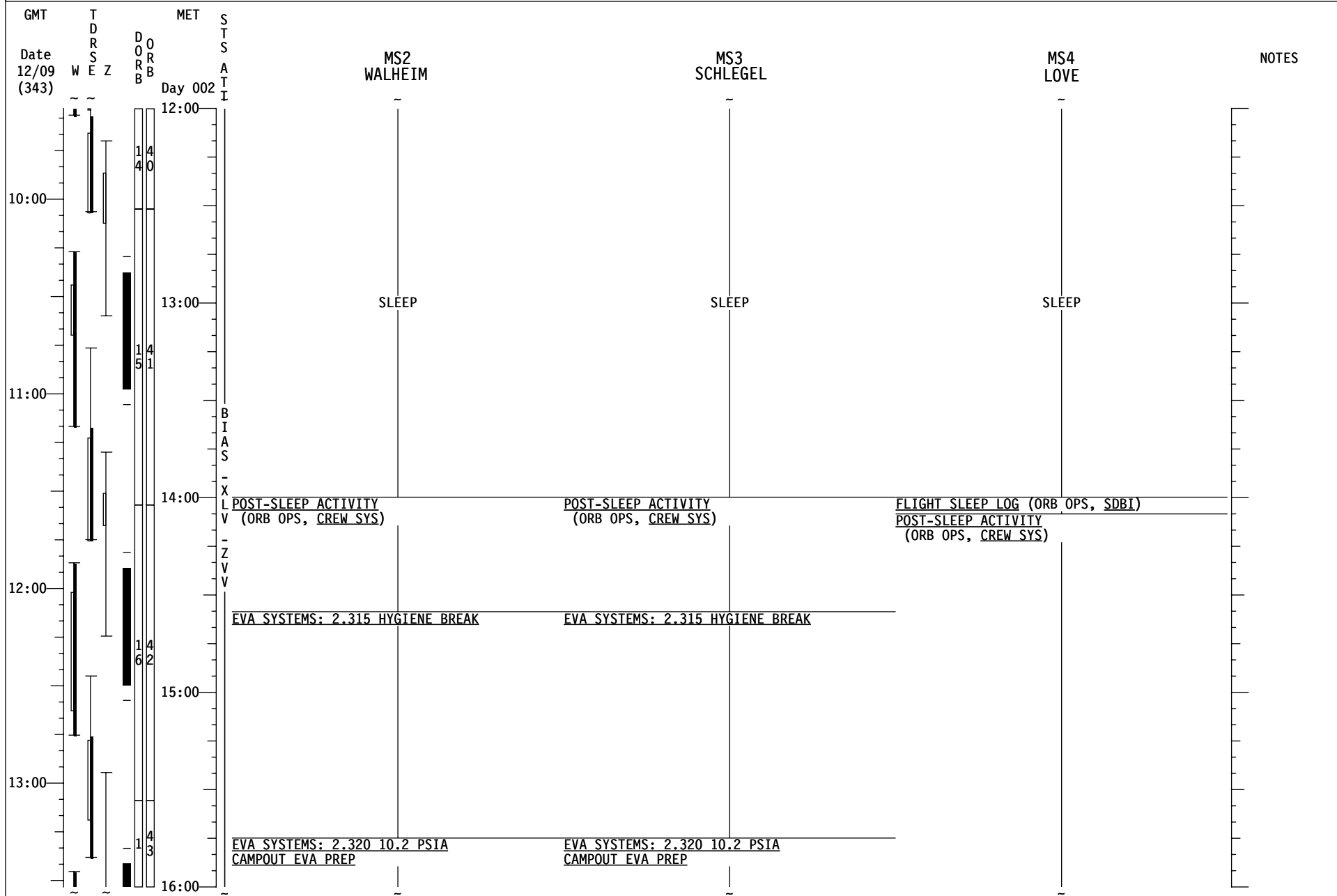
STS-122 FD (03)



STS-122 FD (04)



STS-122 FD (04)



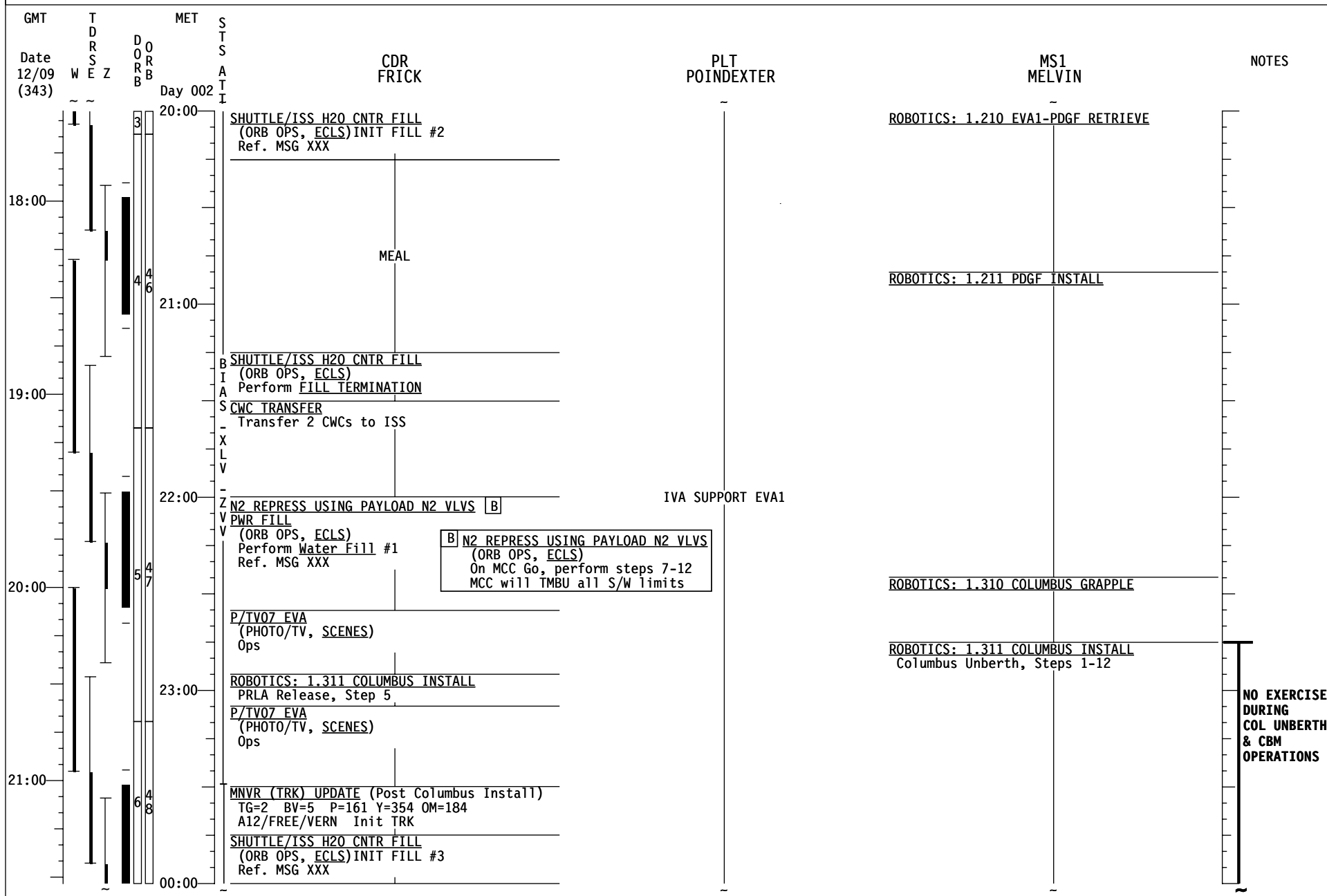
STS-122 FD (04)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/09 (343)	W E Z	Day 002	Day 002				
				<u>EVA SYSTEMS: 2.320 10.2 PSIA</u> <u>CAMPOUT EVA PREP</u>	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
14:00							
				<u>EVA SYSTEMS: 1.220 EMU PURGE</u>	<u>L17 Check MCIU filter screen</u> <u>EVA INHIBIT PAD</u> (EVA, TIMELINES)	<u>DAILY TRANSFER LIST UPDATE</u> Ref. MSG XXX	
15:00				<u>EVA SYSTEMS: 1.225 EMU PREBREATHE</u>	<u>P/TV07 EVA</u> (PHOTO/TV, SCENES) Setup	<u>TRANSFER OPS</u> Ref. Transfer List & MSG XXX	
16:00				<u>EVA SYSTEMS: CREWLOCK DEPRESS (CC)</u>	<u>IVA SUPPORT PREP</u>	<u>KU-BD ANT STOW</u> (ORB OPS, COMM/INST)	
17:00				<u>EXERCISE</u>	<u>IVA SUPPORT EVA1</u>	<u>ROBOTICS: 1.210 EVA1-PDGF RETRIEVE</u>	
18:00							
				<u>IMU ALIGN - S TRK (ORB OPS, GNC)</u> <u>N2 REPRESS USING PAYLOAD N2 VLVS [A]</u>	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <u>A N2 REPRESS USING PAYLOAD N2 VLVS</u> (ORB OPS, ECLS) Steps 1-5, On MCC Go, perform step 6 MCC will TMBU all S/W limits </div>		
19:00							
20:00							

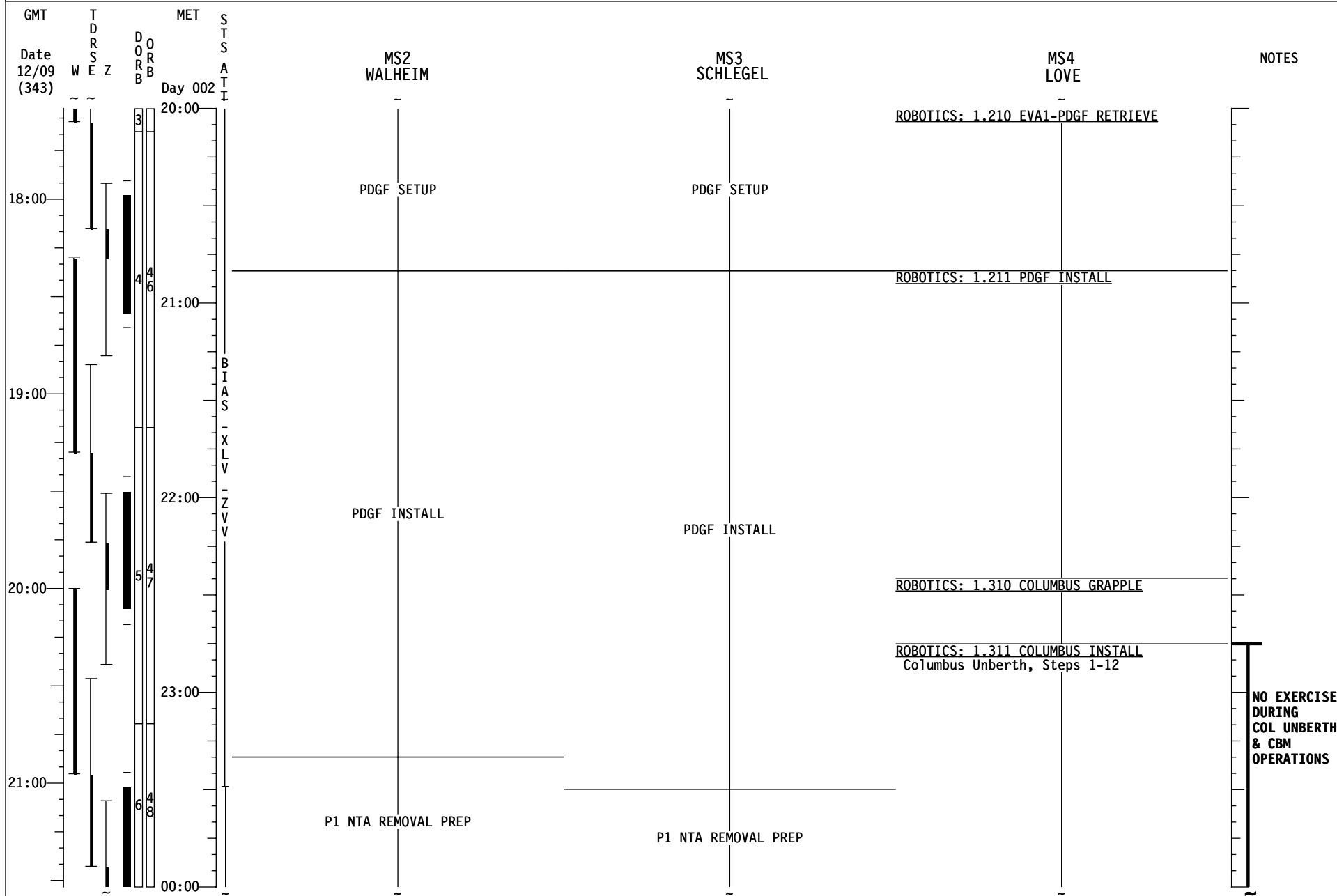
STS-122 FD (04)

GMT	TDRSEZ	MET	SATS	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
Date 12/09 (343)	W E Z	Day 002	DOORB				
16:00				EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00							
17:00							
15:00				EVA SYSTEMS: 1.220 EMU PURGE	EVA SYSTEMS: 1.220 EMU PURGE		
				EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	EXERCISE	
18:00							
16:00				EVA SYSTEMS: CREWLOCK DEPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS (CC)	S&M: 1.403 CBCS INSTALLATION/ REMOVAL (SSRMS) - GENERIC Perform CBCS POWERUP, Step 13	
						FILE SNEAKERNET BETWEEN ISS SSC & SHUTTLE PGSC (ORB OPS, PGSC) Part A, Steps 1-3	
						KU-BD ANT STOW (ORB OPS, COMM/INST)	
						PGSC POWERDOWN Powerdown all unnecessary PGSCs. At a minimum, leave KFX, RPOP, and Color Printer on	
19:00				EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	ROBOTICS: 1.210 EVA1-PDGF RETRIEVE	
				EVA SYSTEMS: CREWLOCK EGRESS (CC)	EVA SYSTEMS: CREWLOCK EGRESS (CC)		
17:00				PDGF SETUP	PDGF SETUP		
20:00							

STS-122 FD (04)



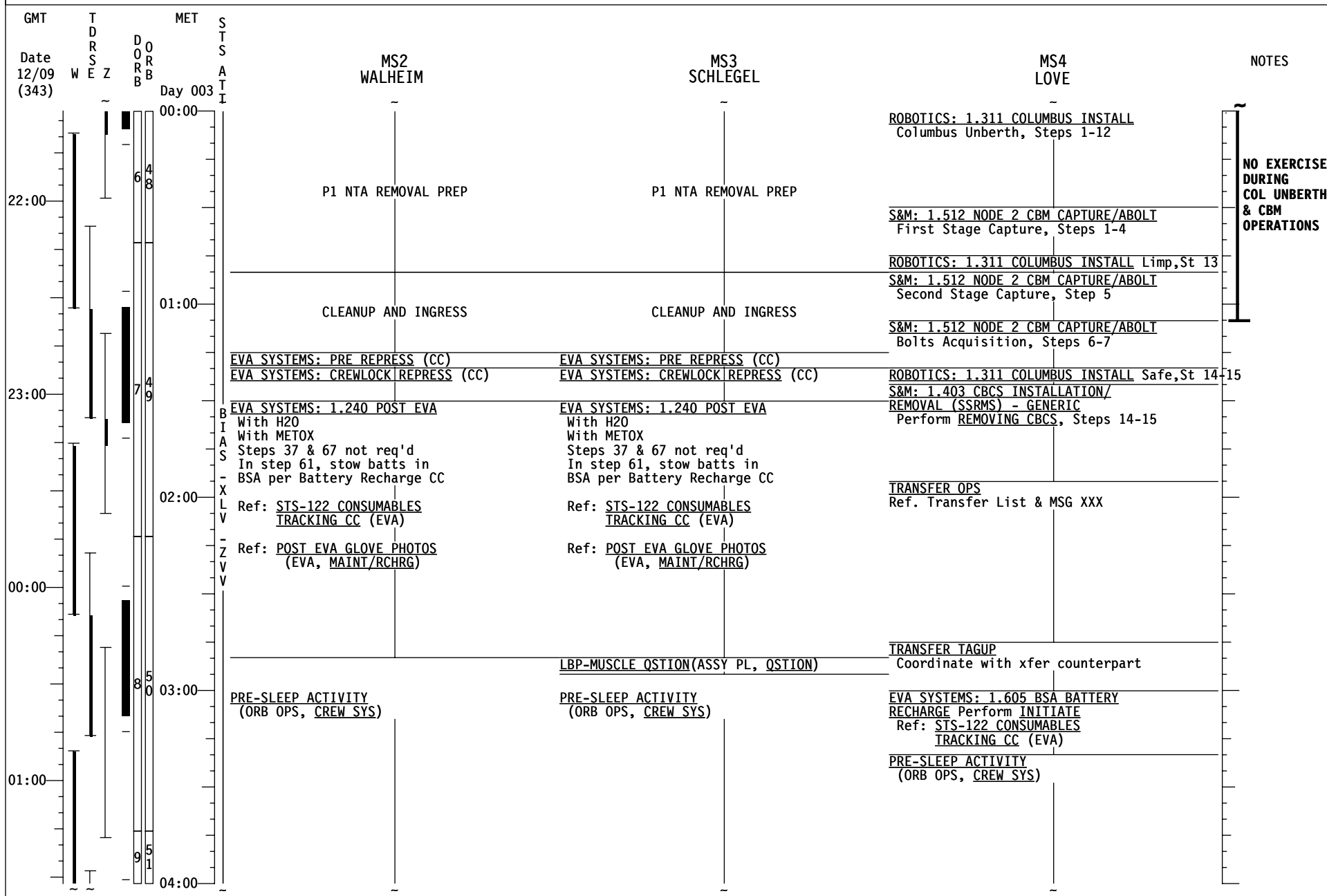
STS-122 FD (04)



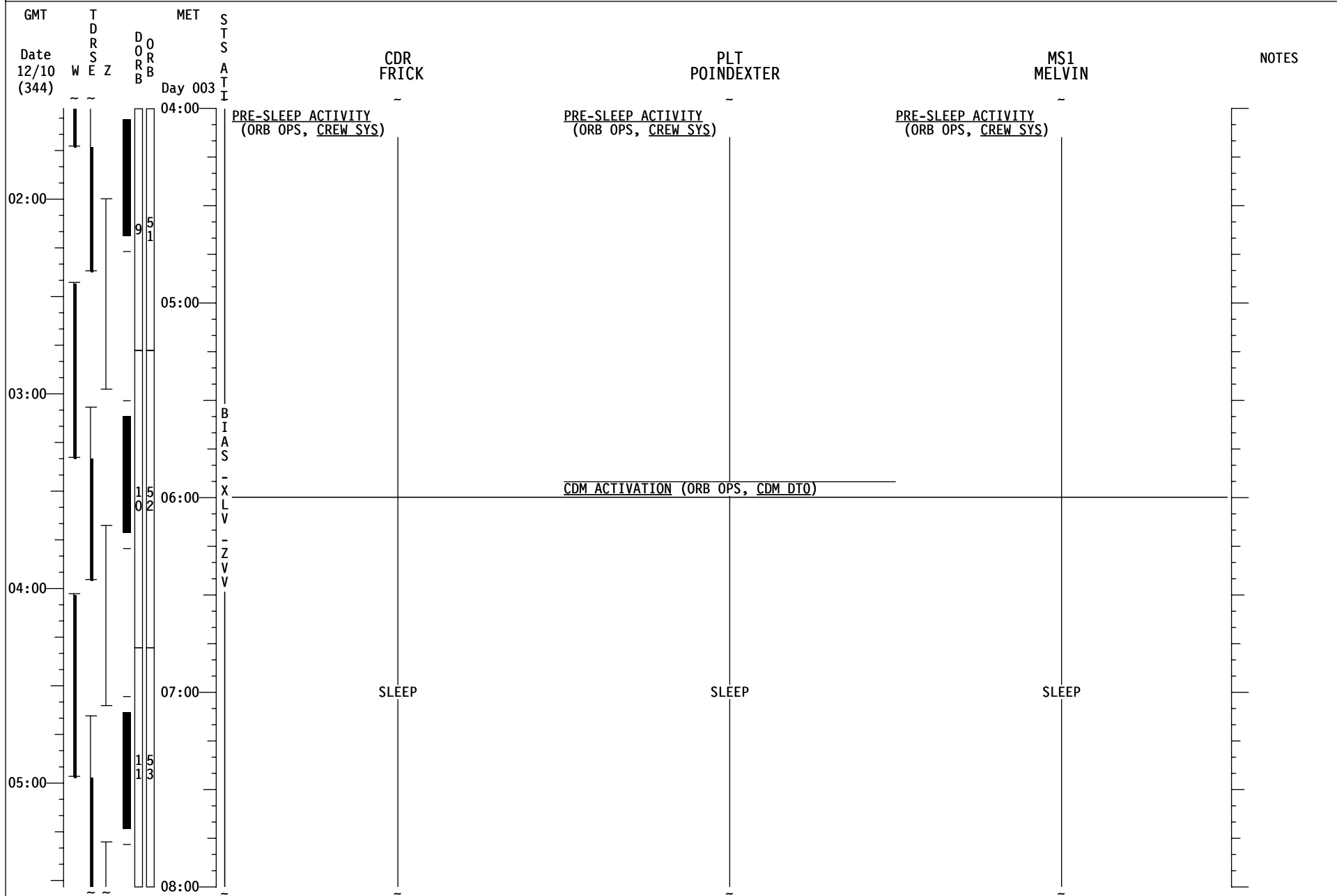
STS-122 FD (04)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/09 (343)	W E Z	Day 003	Day 003				
							NO EXERCISE DURING COL UNBERTH & CBM OPERATIONS
00:00				P/TV07 EVA (PHOTO/TV, SCENES) Ops		ROBOTICS: 1.311 COLUMBUS INSTALL Columbus Unberth, Steps 1-12	
22:00					IVA SUPPORT EVA1	S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT First Stage Capture, Steps 1-4	
				SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION		ROBOTICS: 1.311 COLUMBUS INSTALL Limp, St 13 S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT Second Stage Capture, Step 5	
23:00				CWC TRANSFER Transfer 1 CWC to ISS	EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)	ROBOTICS: 1.311 COLUMBUS INSTALL Safe, St 14-15 TRANSFER OPS Ref. Transfer List & MSG XXX	
				EVA SYSTEMS: 1.240 POST EVA With H2O With METOX Steps 37 & 67 not req'd In step 61, stow batts in BSA per Battery Recharge CC	CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTQ) Location 2		
				Ref: STS-122 CONSUMABLES TRACKING CC (EVA)			
				Ref: POST EVA GLOVE PHOTOS (EVA, MAINT/RCHRG)	EXERCISE		
00:00						TRANSFER TAGUP Coordinate with xfer counterpart	
				PRIVATE MEDICAL CONFERENCE	LCC ACTIVATION (PHOTO/TV, CUE CARDS) Steps 1-3 LCC DEACTIVATION (PHOTO/TV, CUE CARDS) Step 1	TRANSFER BRIEF Call down status to MCC	
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
01:00							
04:00							

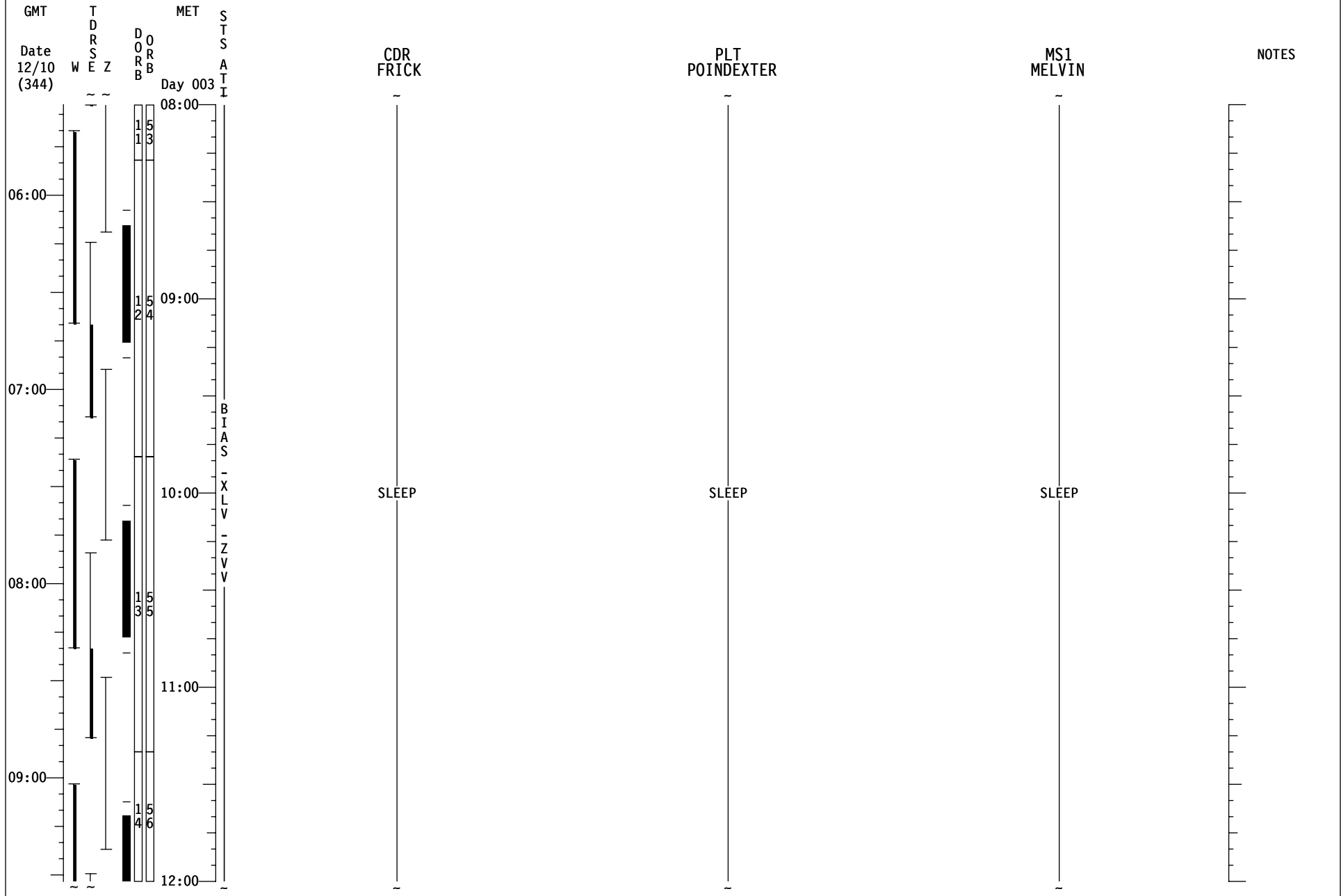
STS-122 FD (04)



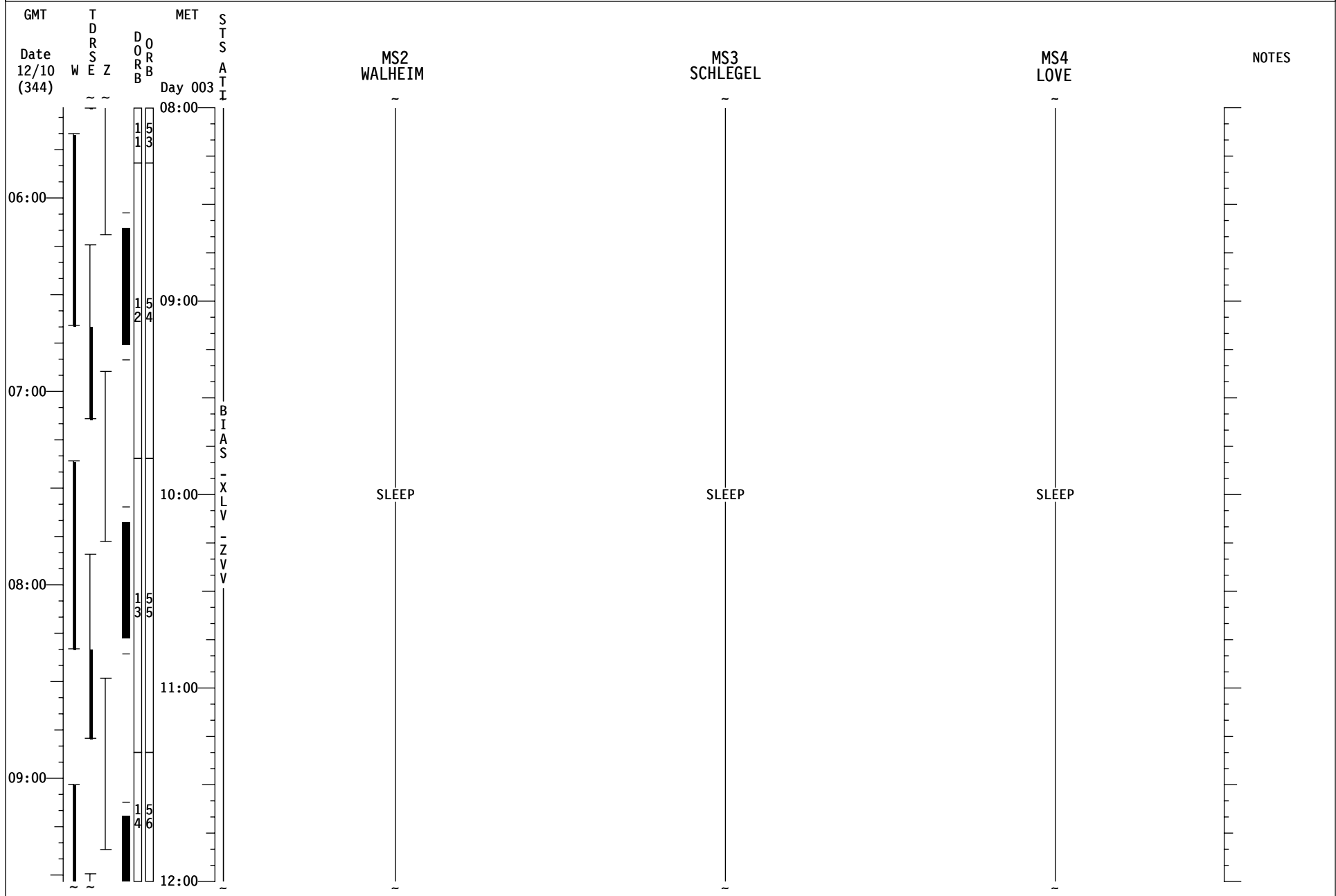
STS-122 FD (04)



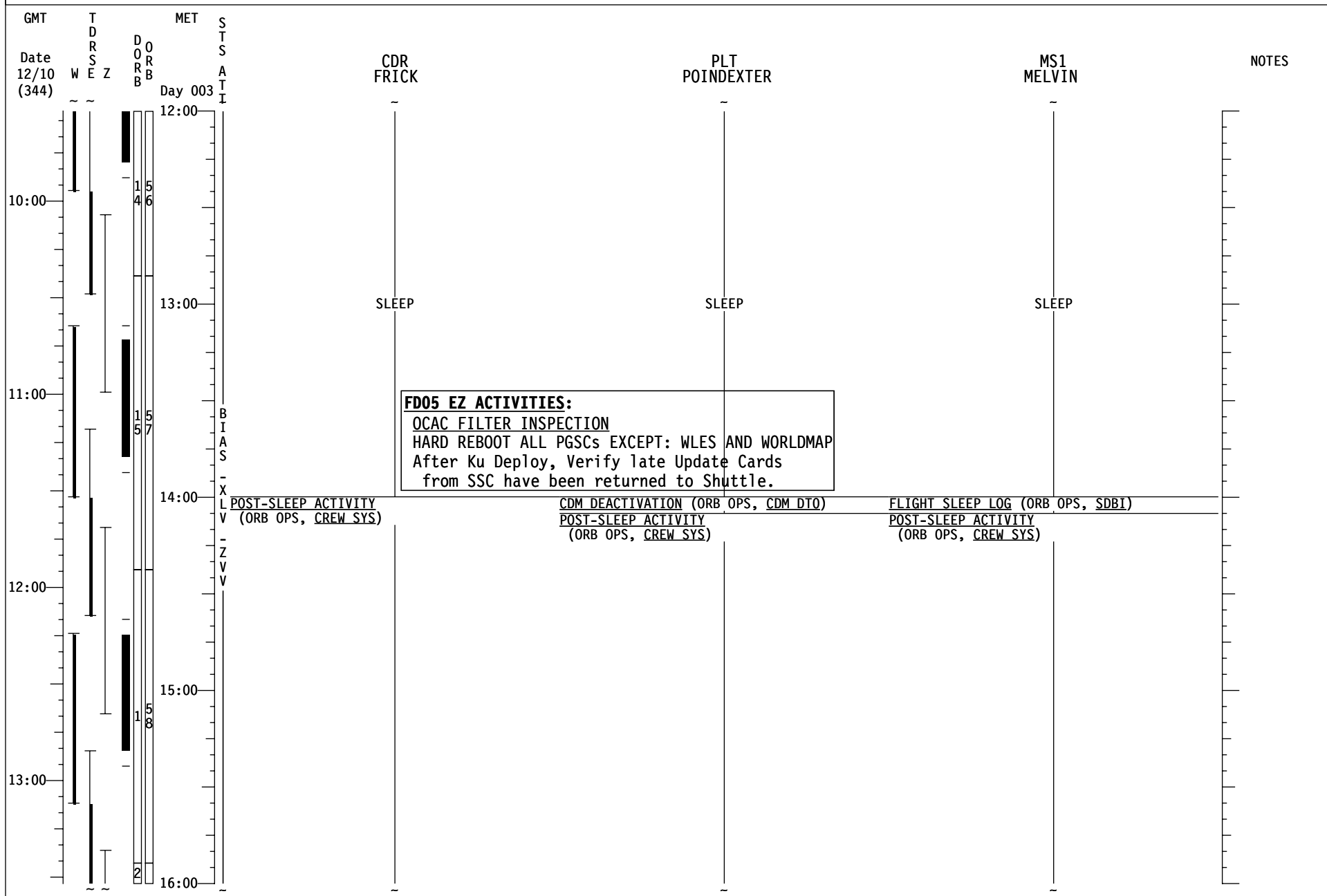
STS-122 FD (04)



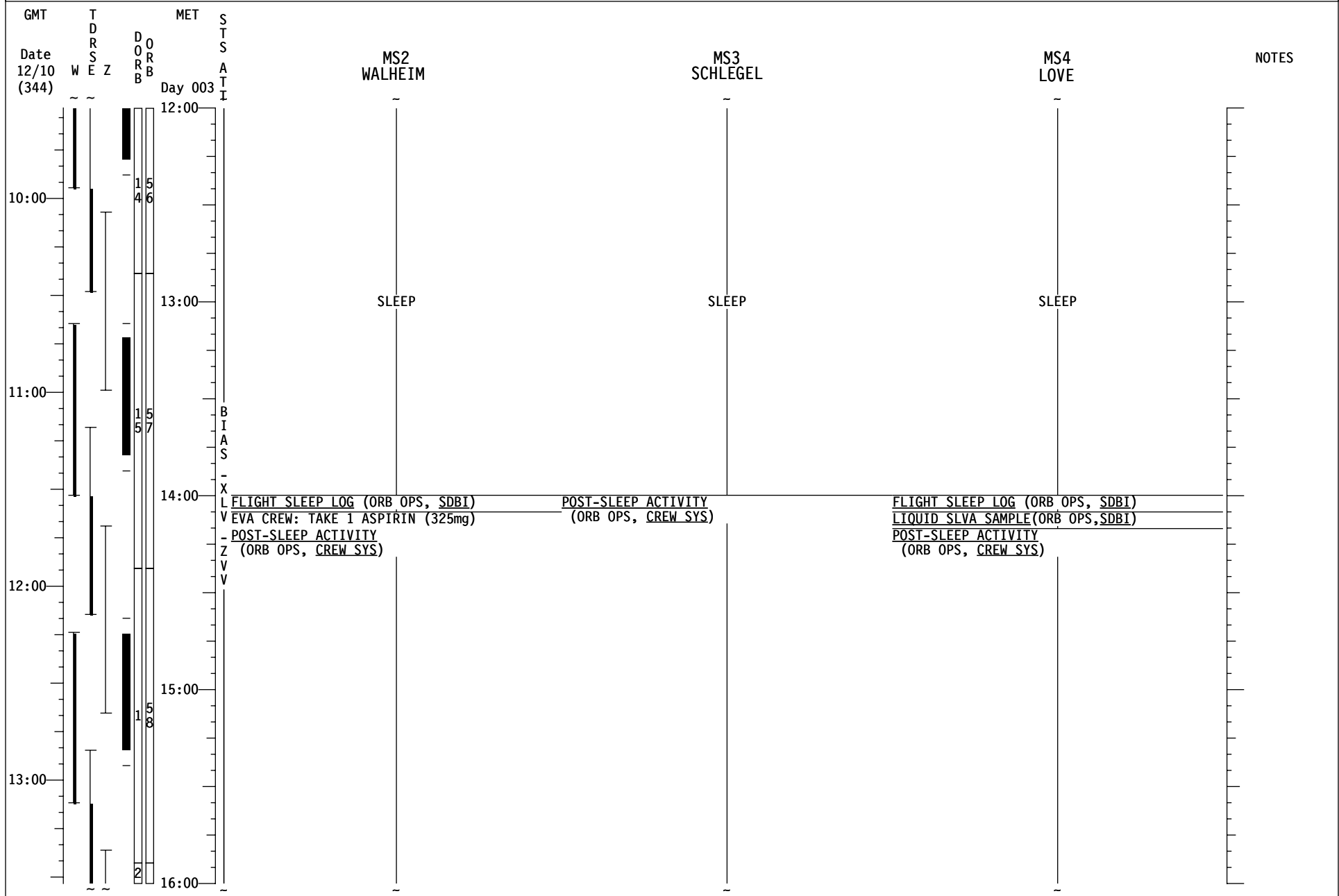
STS-122 FD (04)



STS-122 FD (05)



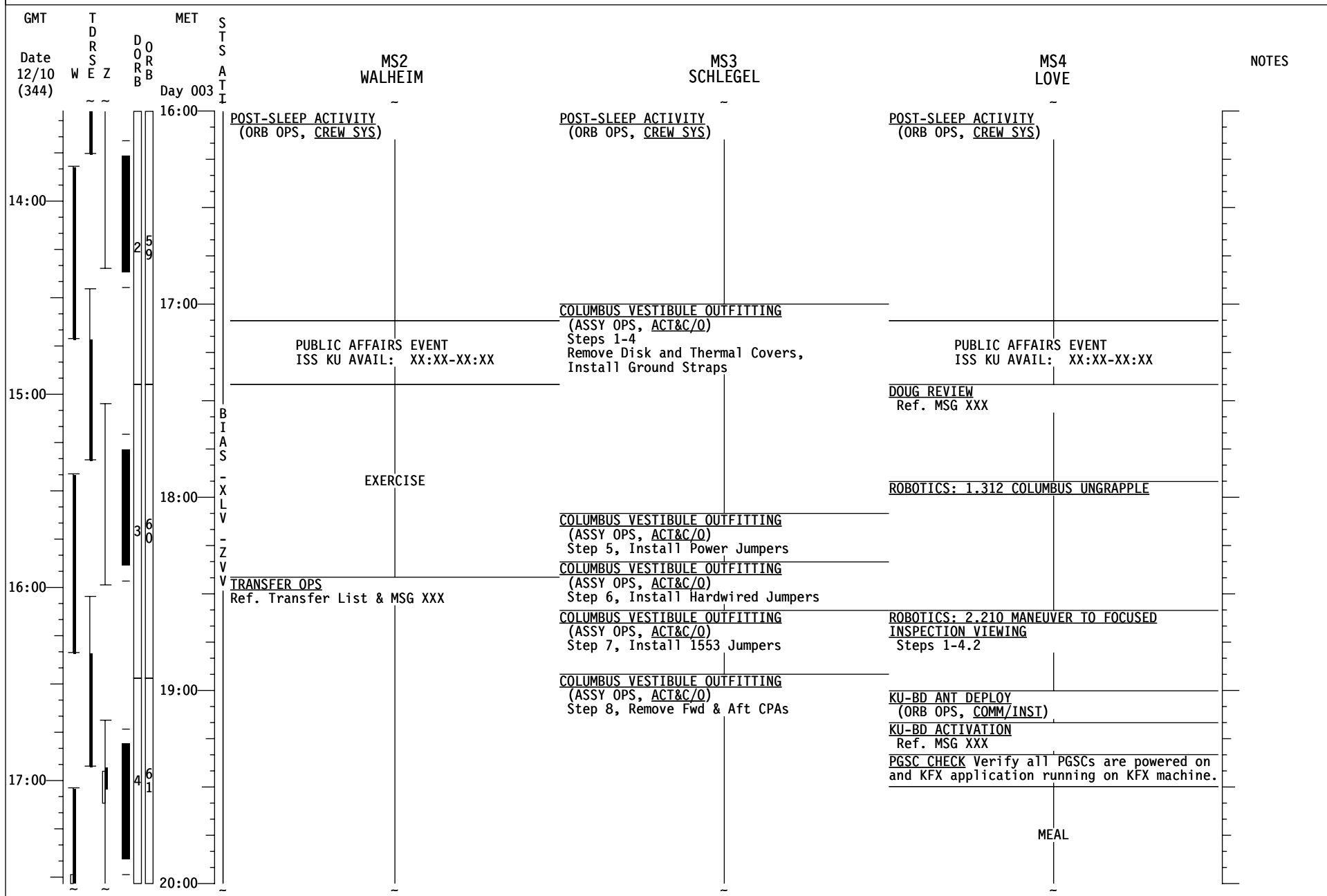
STS-122 FD (05)



STS-122 FD (05)

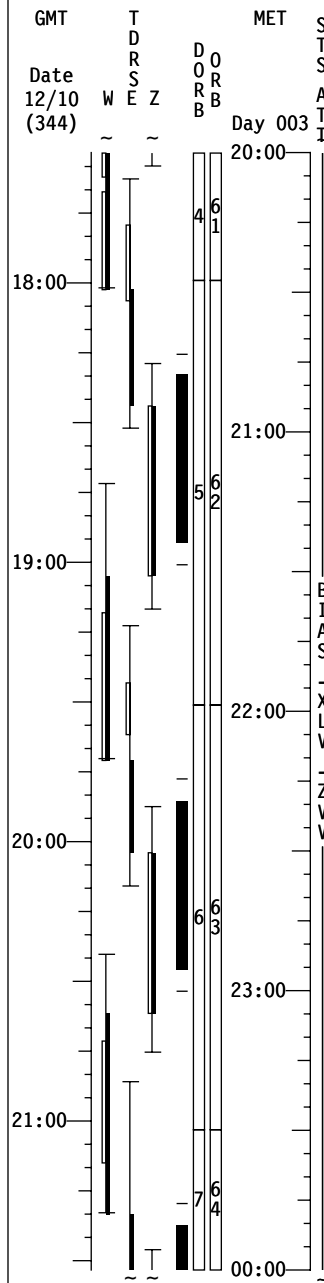
GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/10 (344)	W E Z	Day 003	Day 003				
16:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00						DAILY TRANSFER LIST UPDATE Ref. MSG XXX	
						P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup	
17:00					L17 Check MCIU filter screen		
					WCS CRADLE - AUTO INHIBIT Inspect hose block filter, change if req'd WCS CRADLE - AUTO		
15:00				PUBLIC AFFAIRS EVENT ISS KU AVAIL: XX:XX-XX:XX	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #4 Ref. MSG XXX	PUBLIC AFFAIRS EVENT ISS KU AVAIL: XX:XX-XX:XX	
				DOUG REVIEW Ref. MSG XXX	TRANSFER OPS Ref. Transfer List & MSG XXX	DOUG REVIEW Ref. MSG XXX	
18:00				X IMU ALIGN - S TRK (ORB OPS, GNC)		ROBOTICS: 1.312 COLUMBUS UNGRAPPLE	
				L TRANSFER OPS			
				V Ref. Transfer List & MSG XXX			
16:00					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	ROBOTICS: 2.210 MANEUVER TO FOCUSED INSPECTION VIEWING Steps 1-4.2	
					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #5 Ref. MSG XXX		
19:00						KU-BD ANT DEPLOY (ORB OPS, COMM/INSI)	
						KU-BD ACTIVATION Ref. MSG XXX	
17:00				MEAL	EXERCISE	MEAL	UPLINK β21 Only Box 22,23, 30
20:00					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERM		

STS-122 FD (05)



STS-122 FD (05)

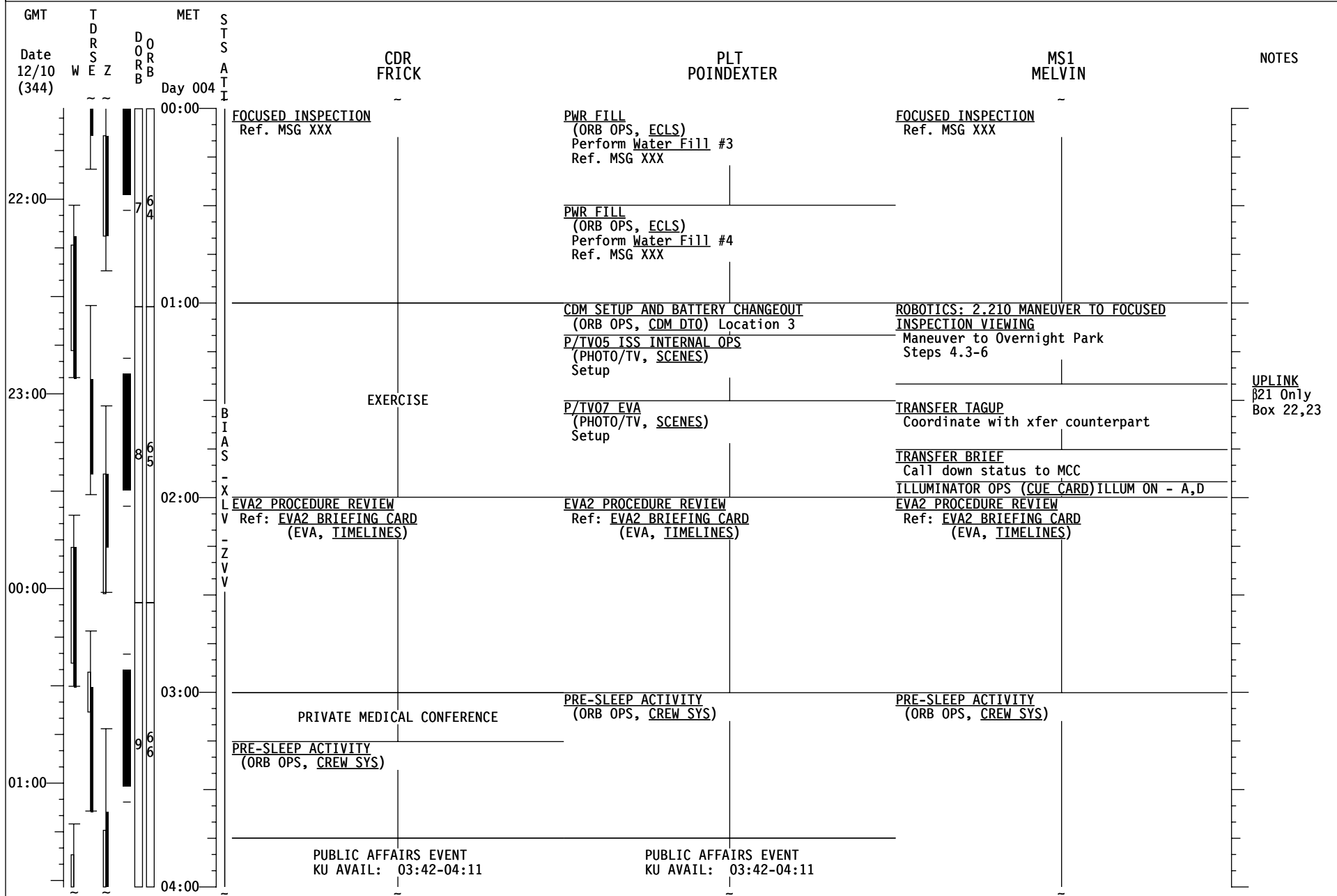
GMT	TDRSEZ	MET	SATS	CDR	PLT	MS1	NOTES
Date 12/10 (344)	W E Z	Day 003	Day 003	FRICK	POINDEXTER	MELVIN	
20:00				MEAL	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERM	MEAL	
18:00				<u>FOCUSED INSPECTION</u> Ref. MSG XXX	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #X Ref. MSG XXX	<u>FOCUSED INSPECTION</u> Ref. MSG XXX	
21:00					MEAL		
19:00					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION		
22:00					CWC TRANSFER Transfer 3 CWCs to ISS		
20:00					TRANSFER OPS Ref. Transfer List & MSG XXX		
21:00					PWR FILL (ORB OPS, ECLS) Perform Water Fill #2 Ref. MSG XXX		
00:00							



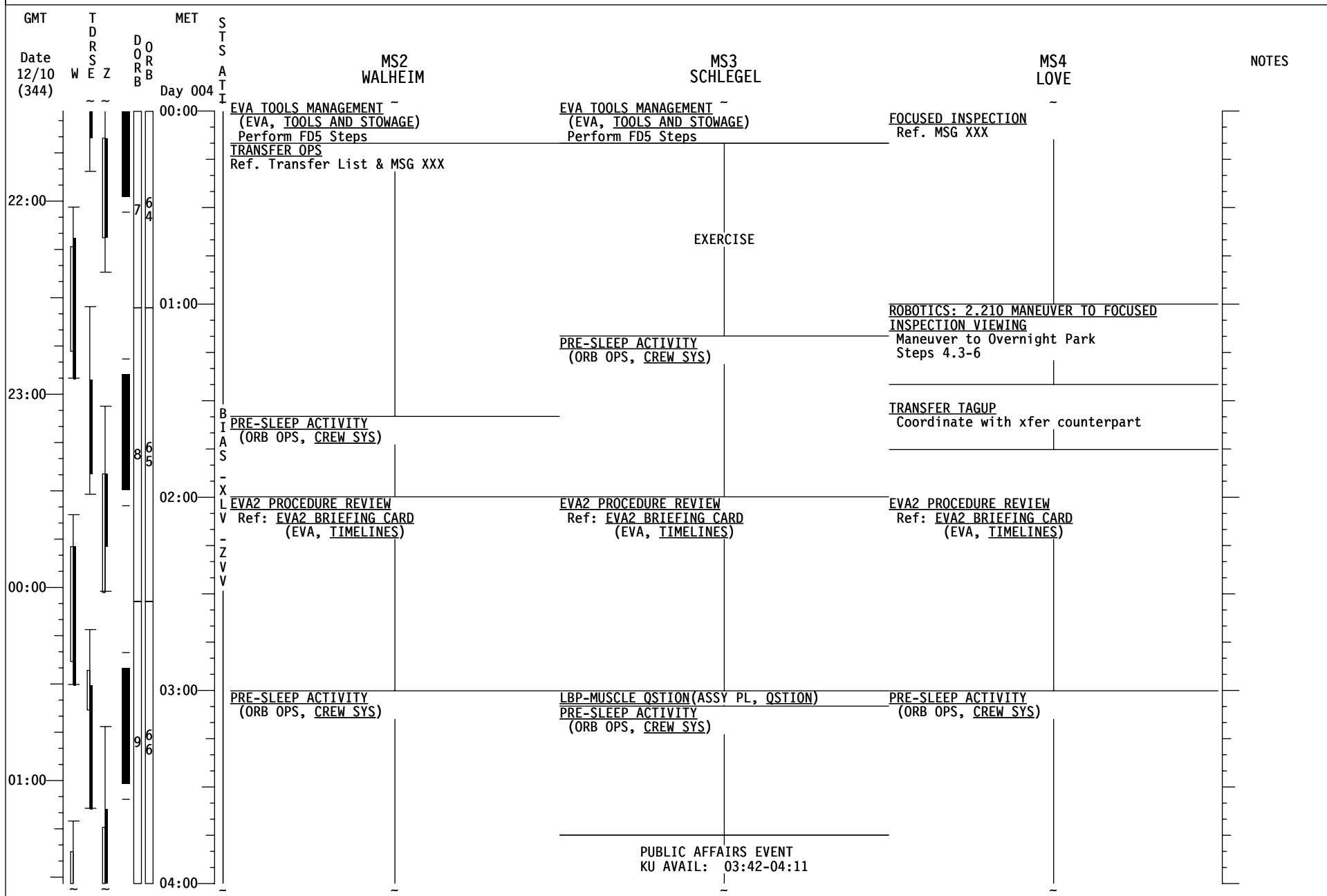
STS-122 FD (05)

GMT	T D R S E Z	MET	S T S	MS2	MS3	MS4	NOTES
Date 12/10 (344)	W E Z	Day 003	A T I	WALTHEIM	SCHLEGEL	LOVE	
18:00		20:00		TRANSFER OPS Ref. Transfer List & MSG XXX	COLUMBUS VESTIBULE OUTFITTING (ASSY OPS, ACT&C/O) Step 8, Remove Fwd & Aft CPAs		
					COLUMBUS VESTIBULE OUTFITTING (ASSY OPS, ACT&C/O) Step 9, Install ITCS Jumpers	MEAL	
					EVA CREW: TAKE 1 ASPIRIN (325mg)	FOCUSED INSPECTION Ref. MSG XXX	
19:00		21:00		MEAL	MEAL		
				A EVA SYSTEMS: 1.605 BSA BATTERY RCHRG (TERM) S Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT Install METOX Canisters		
				X EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE Perform INITIATE	Ref: STS-122 CONSUMABLES TRACKING CC (EVA) Stow used LIOH in EMU Systems Transfer Bag		
		22:00		L Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	EVA SYSTEMS: 1.510 METOX REGENERATION (Terminate)		
				V EVA SYSTEMS: 1.305 EQUIPMENT Z LOCK PREP	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP		
20:00				V Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	Ref: STS-122 CONSUMABLES TRACKING CC (EVA)		
				Note: Observe 32oz cold H2O max bag capacity during DIDB fills.	Note: Observe 32oz cold H2O max bag capacity during DIDB fills.		
		23:00		EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD5 Steps	EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD5 Steps		
21:00							
		00:00					

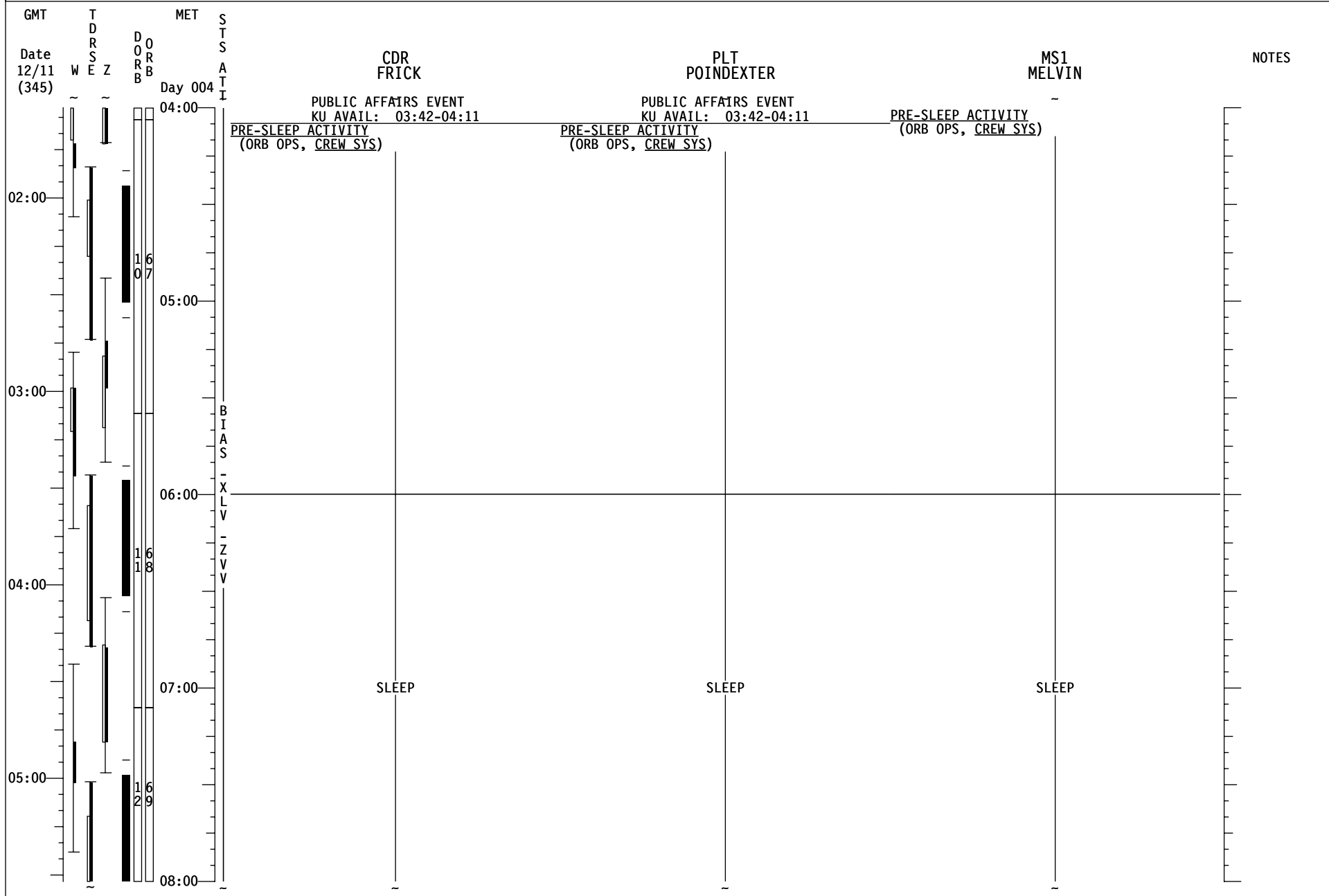
STS-122 FD (05)



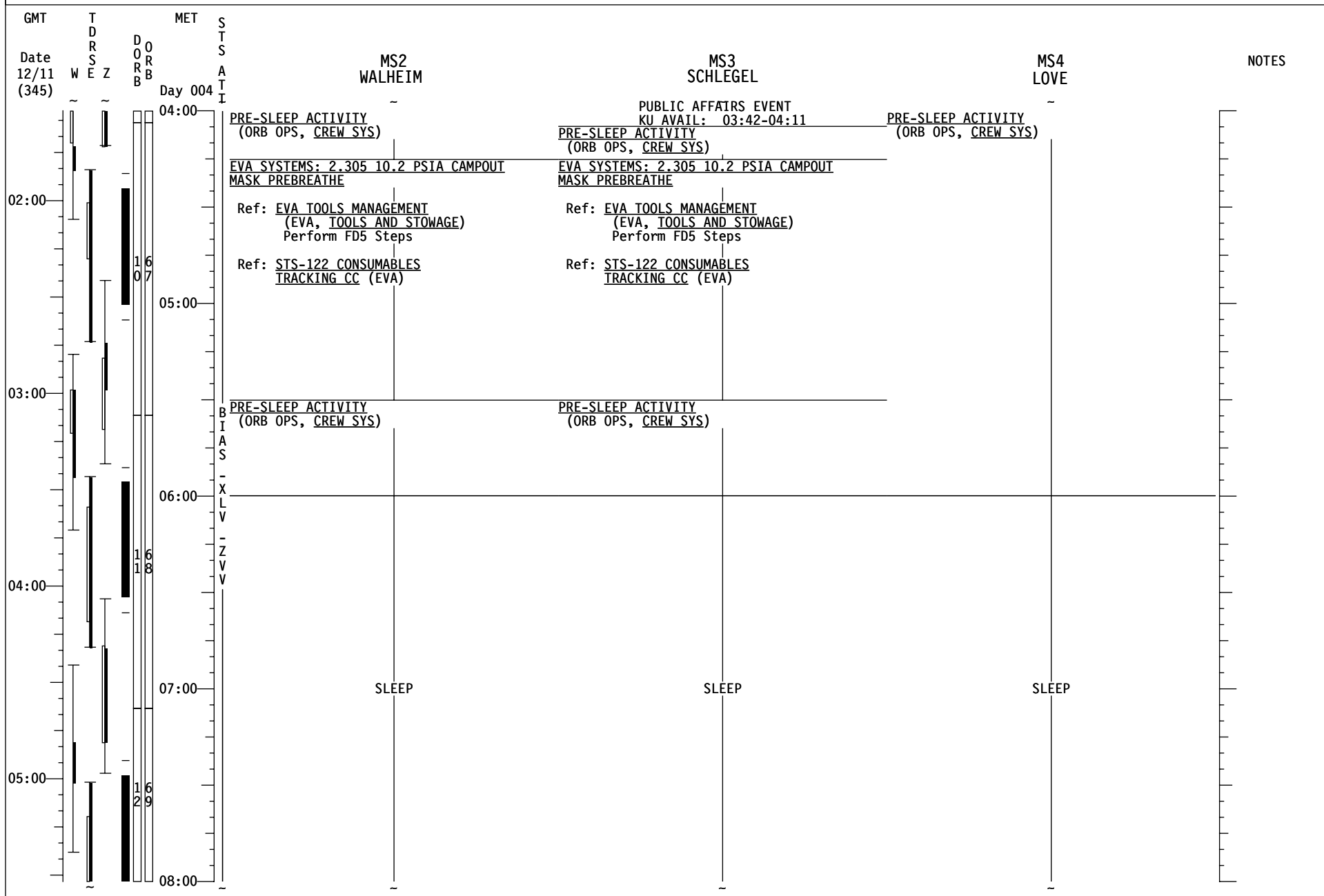
STS-122 FD (05)



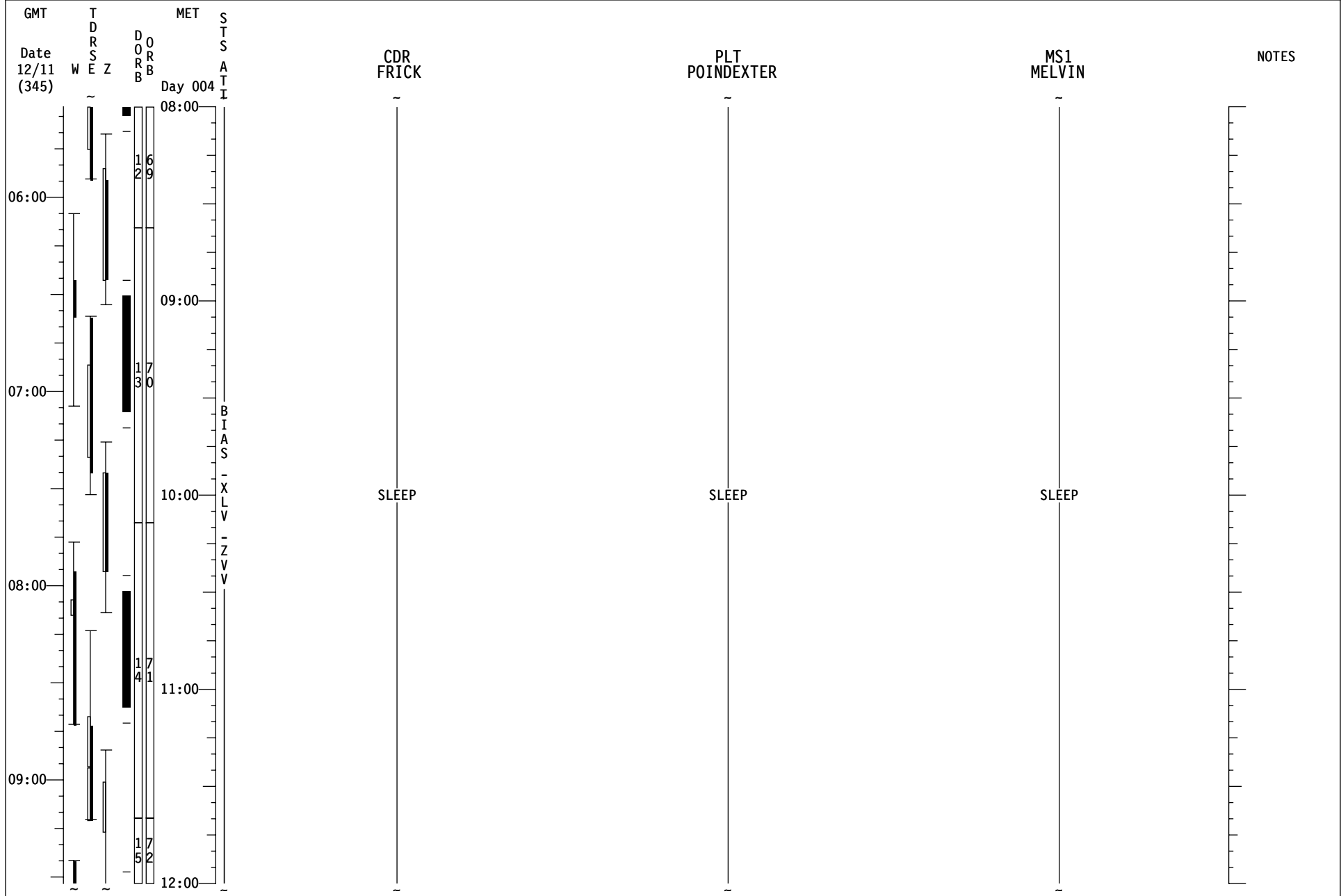
STS-122 FD (05)



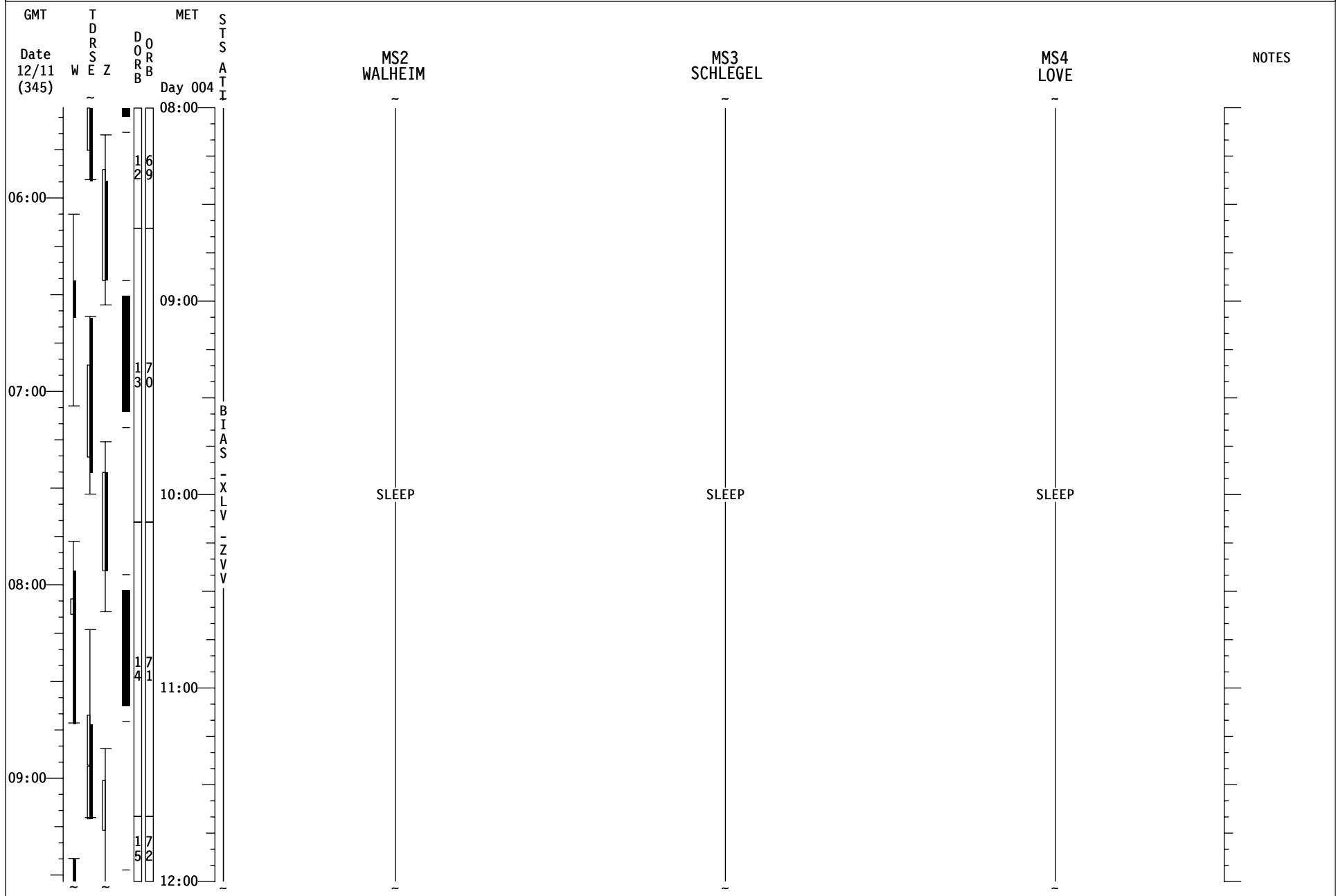
STS-122 FD (05)



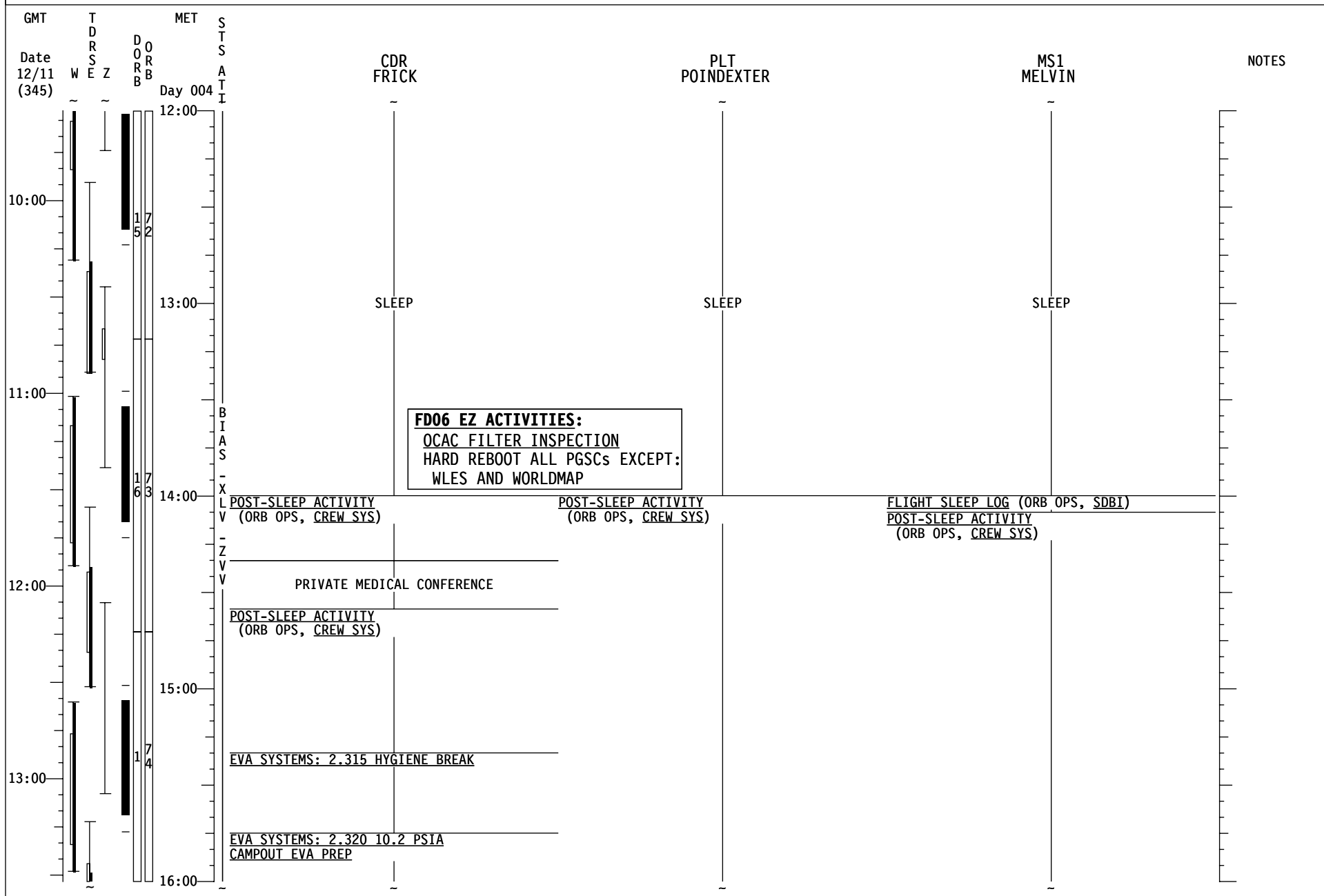
STS-122 FD (05)



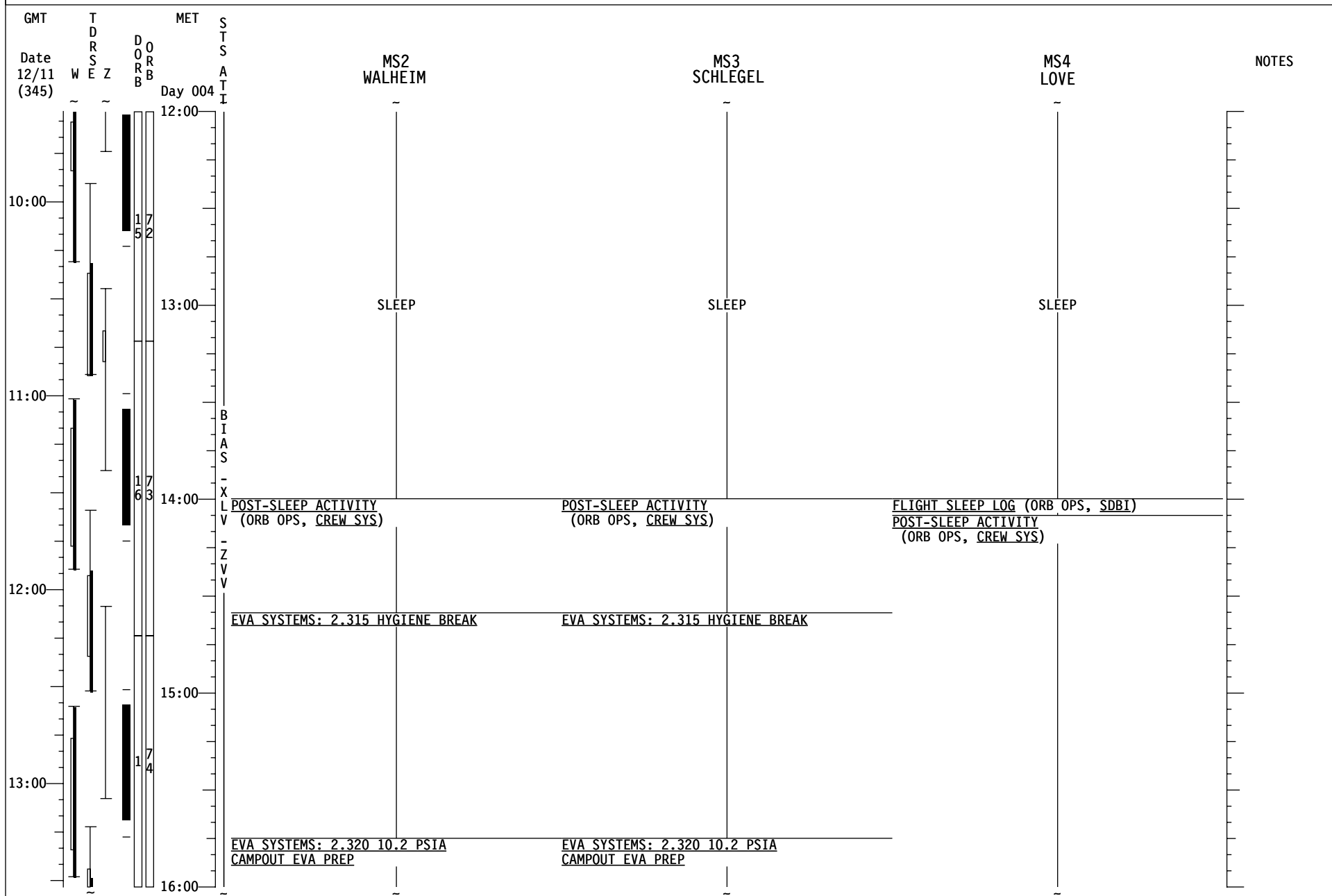
STS-122 FD (05)



STS-122 FD (06)



STS-122 FD (06)



STS-122 FD (06)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/11 (345)	W E Z	Day 004	174				
			174	<u>EVA SYSTEMS: 2.320 10.2 PSIA</u> <u>CAMPOUT EVA PREP</u>	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
14:00			174				
			175	<u>EVA SYSTEMS: 1.220 EMU PURGE</u>	EXERCISE	<u>DAILY TRANSFER LIST UPDATE</u> Ref. MSG XXX	
15:00			175	<u>EVA SYSTEMS: 1.225 EMU PREBREATHE</u>		<u>OBSS MNVR TO EVA 2 VIEWING POSITION</u> (PDRS, OBSS NOMINAL)Steps 1-3	
			175			<u>ILLUMINATOR OPS (CUE CARD)ILLUM OFF - ALL</u>	
16:00			176	<u>EVA SYSTEMS: CREWLOCK DEPRESS (CC)</u>	IVA SUPPORT PREP	<u>TRANSFER OPS</u> Ref. Transfer List & MSG XXX	<u>UPLINK</u> BO Only Box 22,23
			176				
17:00			177	<u>IMU ALIGN - S TRK (ORB OPS, GNC)</u> <u>SHUTTLE/ISS H2O CNTR FILL</u> (ORB OPS, ECLS)INIT FILL #7 Ref. MSG XXX		<u>ROBOTICS: 1.410 EVA 2-P1 NTA R&R</u>	
			177	<u>P/TVO7 EVA</u> (PHOTO/TV, SCENES) Ops	IVA SUPPORT EVA2		
18:00			177				
			177				
19:00			177				
			177				
20:00			177				

STS-122 FD (06)

GMT	T D R S E Z	MET	S T S	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
Date 12/11 (345)	W E Z	Day 004	A T I				
				~	~	~	
				EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00							
				EVA SYSTEMS: 1.220 EMU PURGE	EVA SYSTEMS: 1.220 EMU PURGE		
15:00				EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE		
						OBSS MNVR TO EVA 2 VIEWING POSITION (PDRS, OBSS NOMINAL)Steps 1-3 TRANSFER OPS Ref. Transfer List & MSG XXX	
16:00				EVA SYSTEMS: CREWLOCK DEPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS (CC)	EXERCISE	
				EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)		
17:00				EVA SYSTEMS: CREWLOCK EGRESS (CC)	EVA SYSTEMS: CREWLOCK EGRESS (CC)	ROBOTICS: 1.410 EVA 2-P1 NTA R&R	
				P1 NTA REMOVAL FROM PLB	P1 NTA REMOVAL FROM PLB		
18:00							
19:00							
20:00							

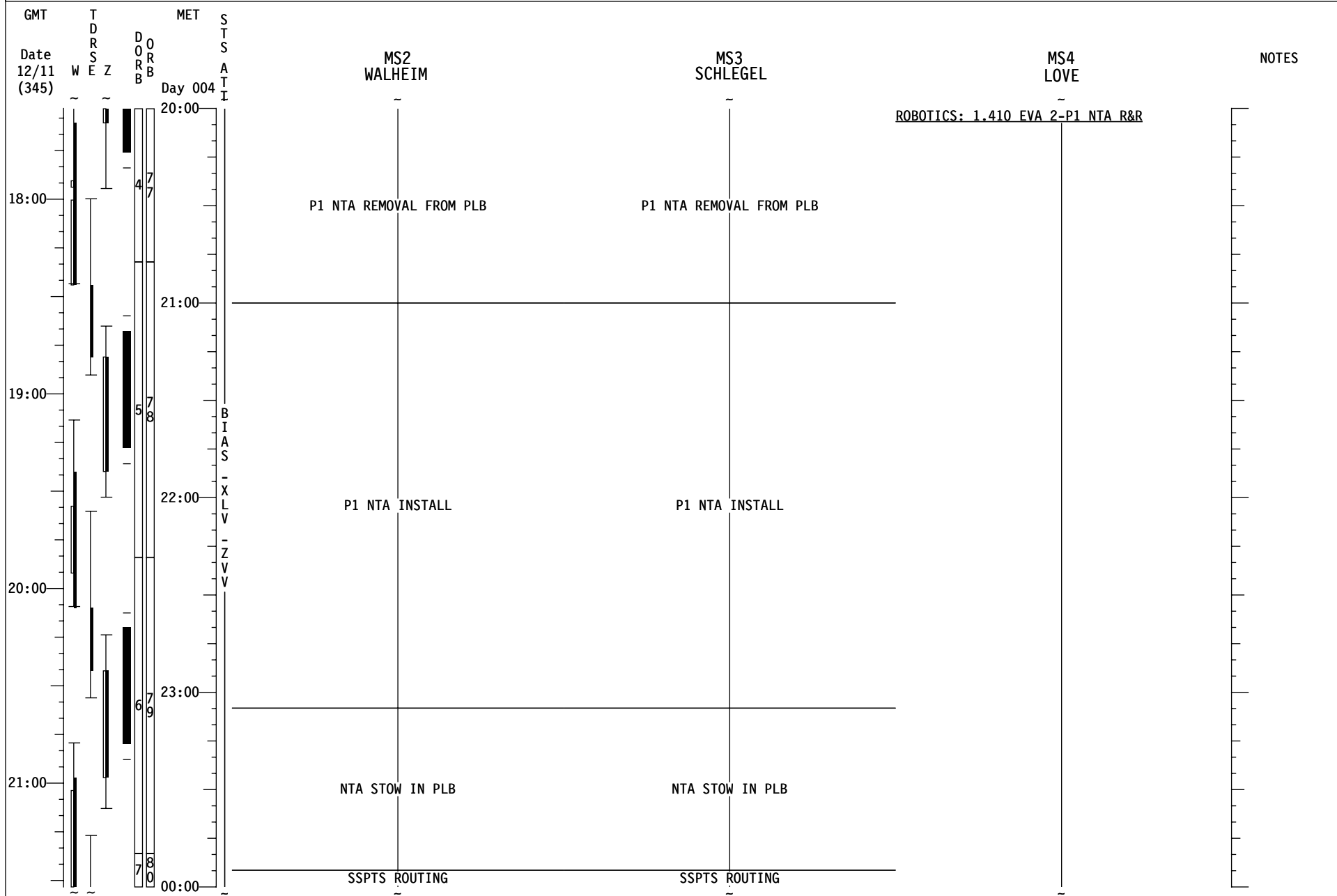
STS-122 FD (06)

GMT	TDRSEZ	MET	SATS	CDR	PLT	MS1	NOTES
Date 12/11 (345)	W E Z	Day 004	STATI	FRICK	POINDEXTER	MELVIN	
							<u>ROBOTICS: 1.410 EVA 2-P1 NTA R&R</u>
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
00:00							

P/TV07 EVA
 (PHOTO/TV, SCENES)
 Ops
 SHUTTLE/ISS H2O CNTR FILL
 (ORB OPS, ECLS)
 Perform FILL TERMINATION
 SHUTTLE/ISS H2O CNTR FILL
 (ORB OPS, ECLS) INIT FILL #8
 Ref. MSG XXX
 MEAL
 SHUTTLE/ISS H2O CNTR FILL
 (ORB OPS, ECLS)
 Perform FILL TERMINATION
 SHUTTLE/ISS H2O CNTR FILL
 (ORB OPS, ECLS) INIT FILL #9
 Ref. MSG XXX
 P/TV07 EVA
 (PHOTO/TV, SCENES)
 Ops
 SHUTTLE/ISS H2O CNTR FILL
 (ORB OPS, ECLS)
 Perform FILL TERMINATION
 CWC TRANSFER
 Transfer 3 CWCs to ISS

IVA SUPPORT EVA2

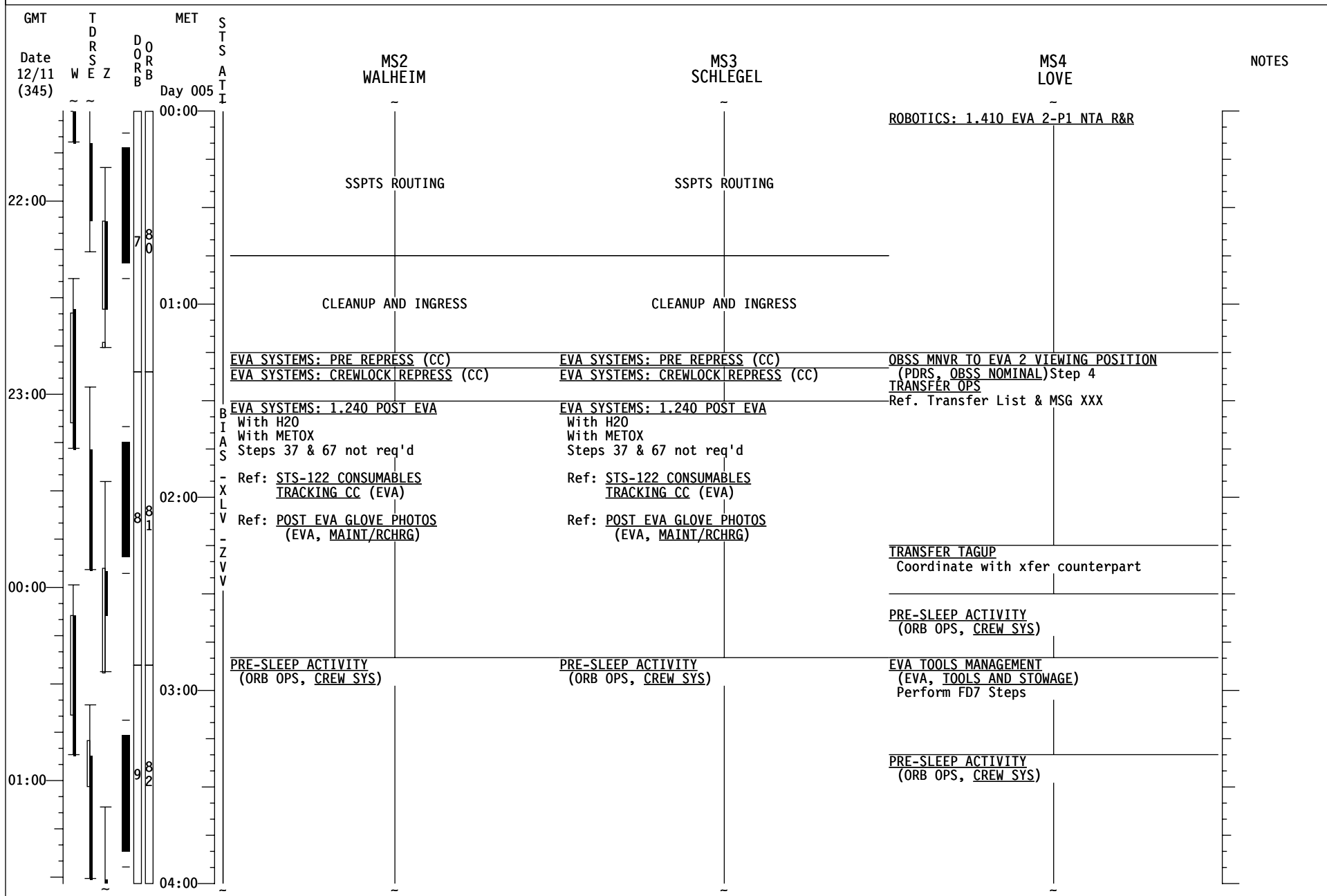
STS-122 FD (06)



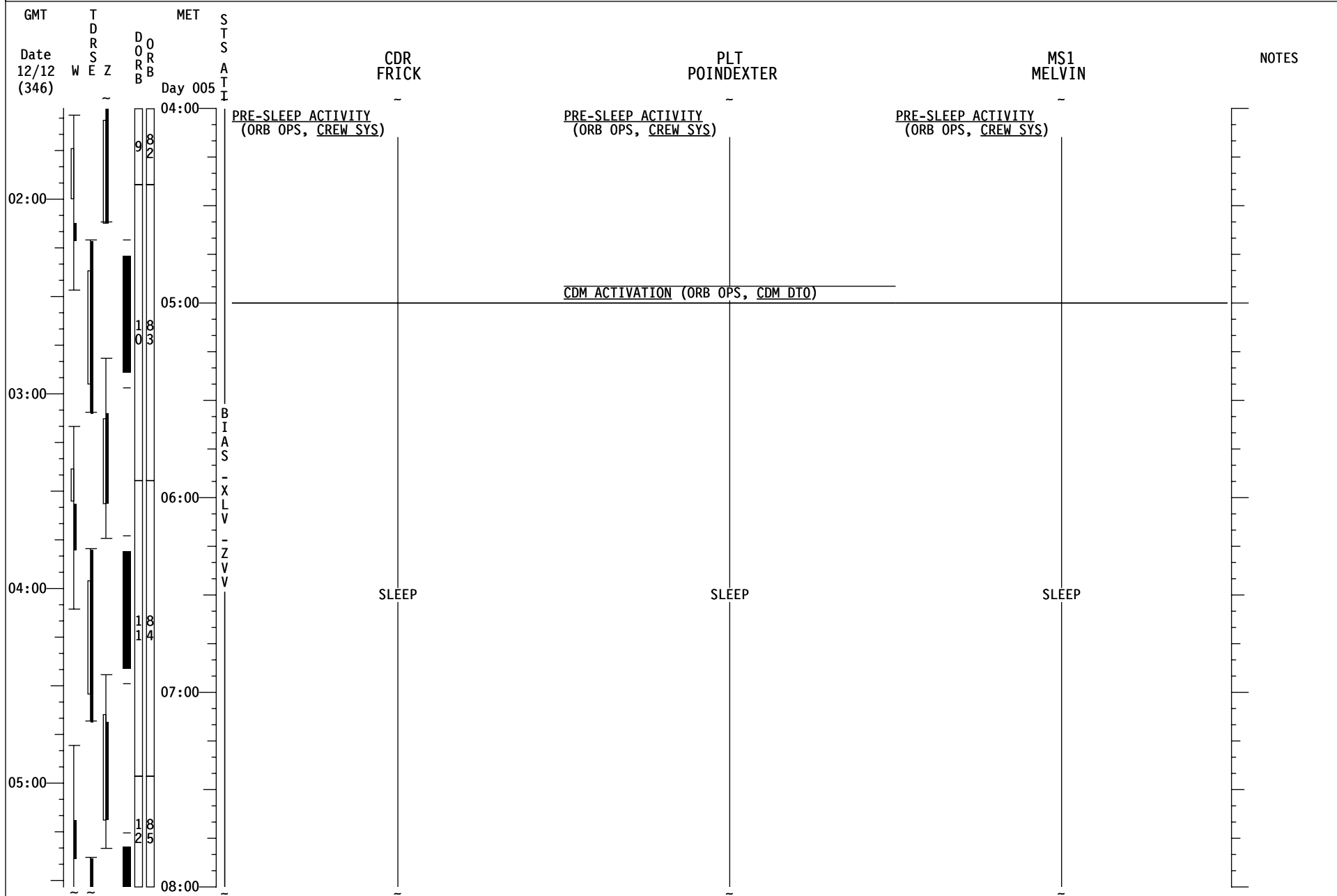
STS-122 FD (06)

GMT	TDRS Z	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/11 (345)	W E Z	Day 005	Day 005				
22:00					IVA SUPPORT EVA2		
23:00				EXERCISE			
					EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)	ROBOTICS: 1.410 EVA 2-P1 NTA R&R OBSS MNVR TO EVA 2 VIEWING POSITION (PDRS, OBSS NOMINAL) Step 4 TRANSFER OPS Ref. Transfer List & MSG XXX	
				EVA SYSTEMS: 1.240 POST EVA With H2O With METOX Steps 37 & 67 not req'd Ref: STS-122 CONSUMABLES TRACKING CC (EVA) Ref: POST EVA GLOVE PHOTOS (EVA, MAINT/RCHRG)	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE) Inspect filters and clean as necessary		UPLINK β21 Only Box 22,23
00:00					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TRANSFER TAGUP Coordinate with xfer counterpart	
						TRANSFER BRIEF Call down status to MCC PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
03:00					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
						EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps	
01:00					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
				NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC) Private Medical Conference			OCA-PMC
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
04:00							

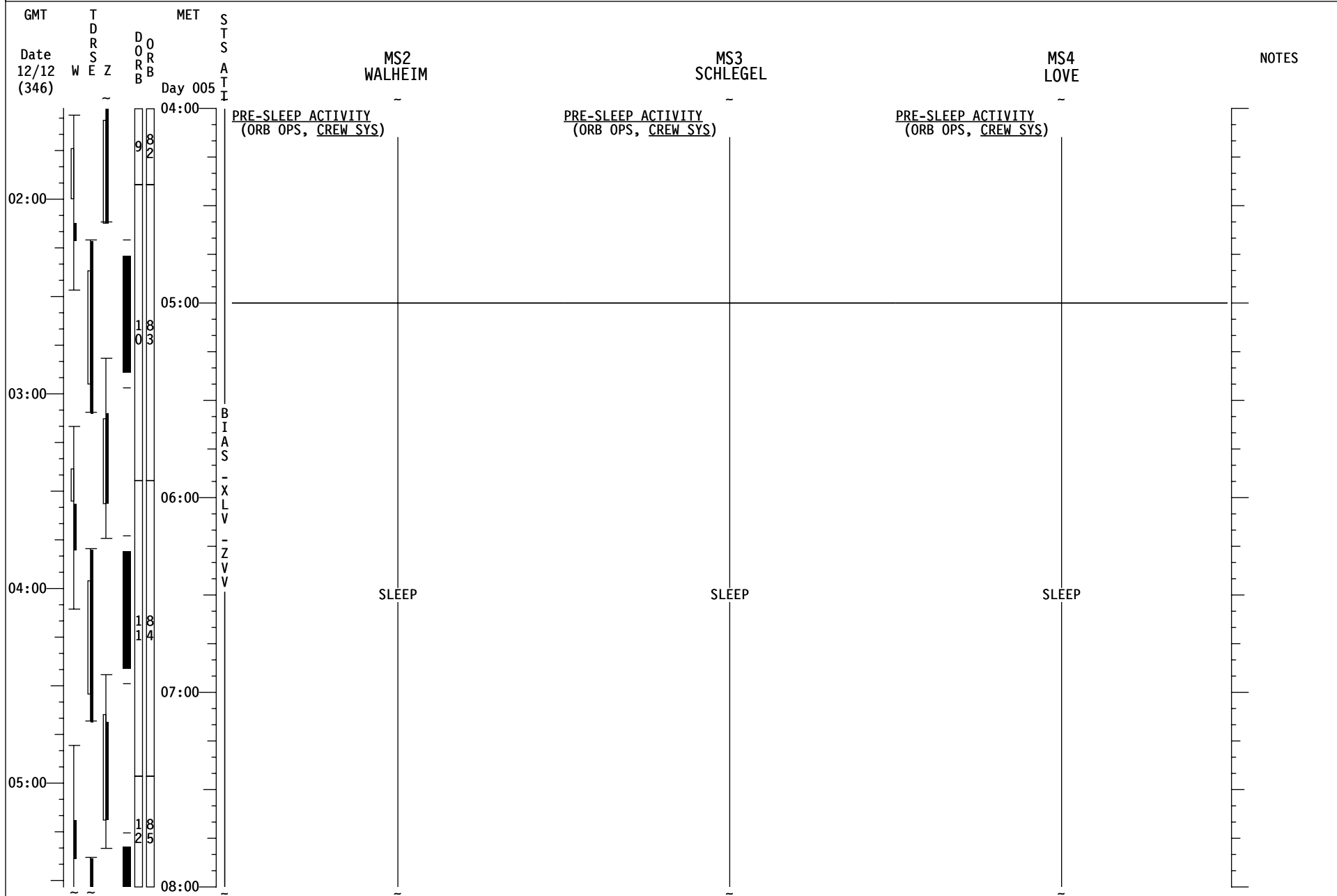
STS-122 FD (06)



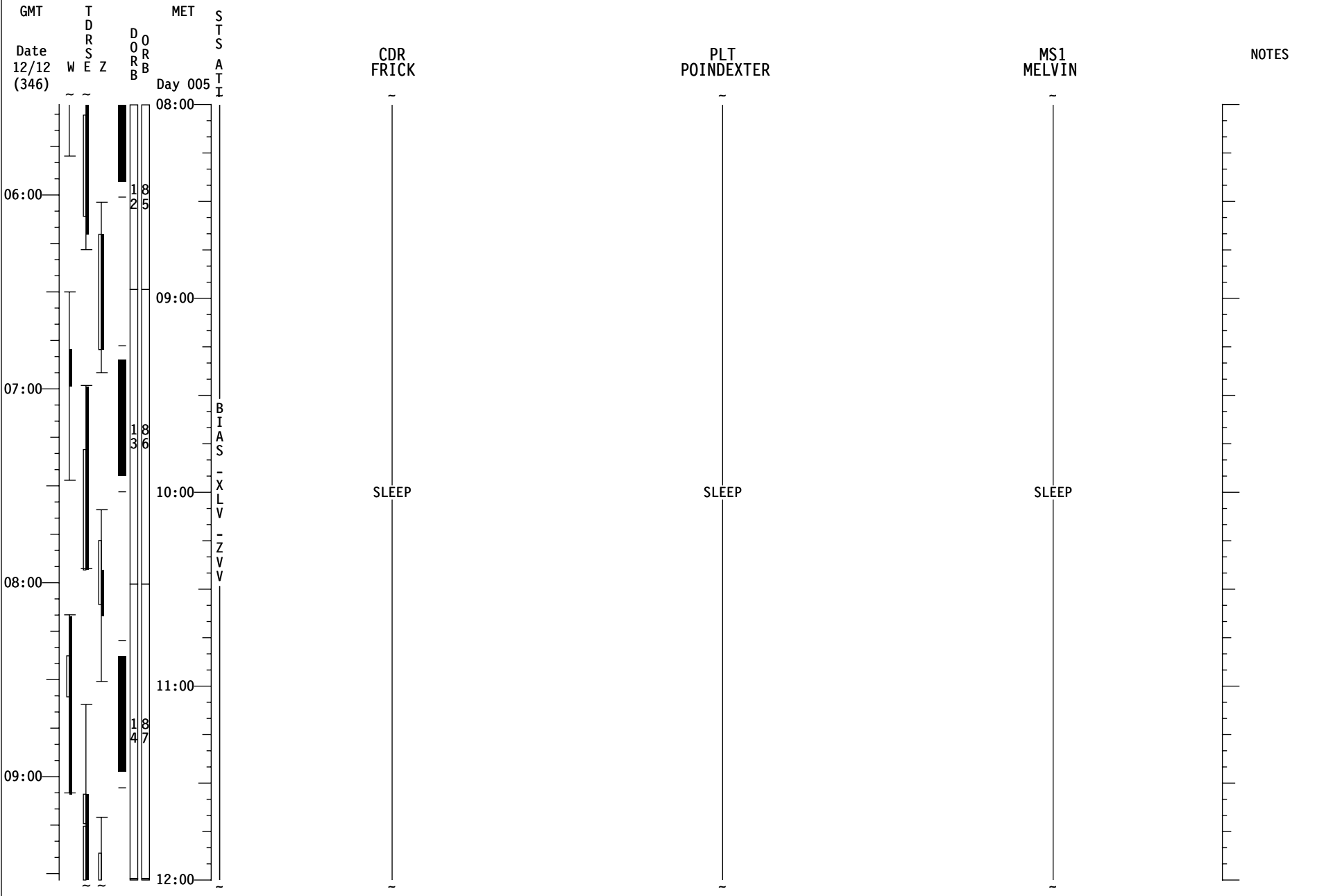
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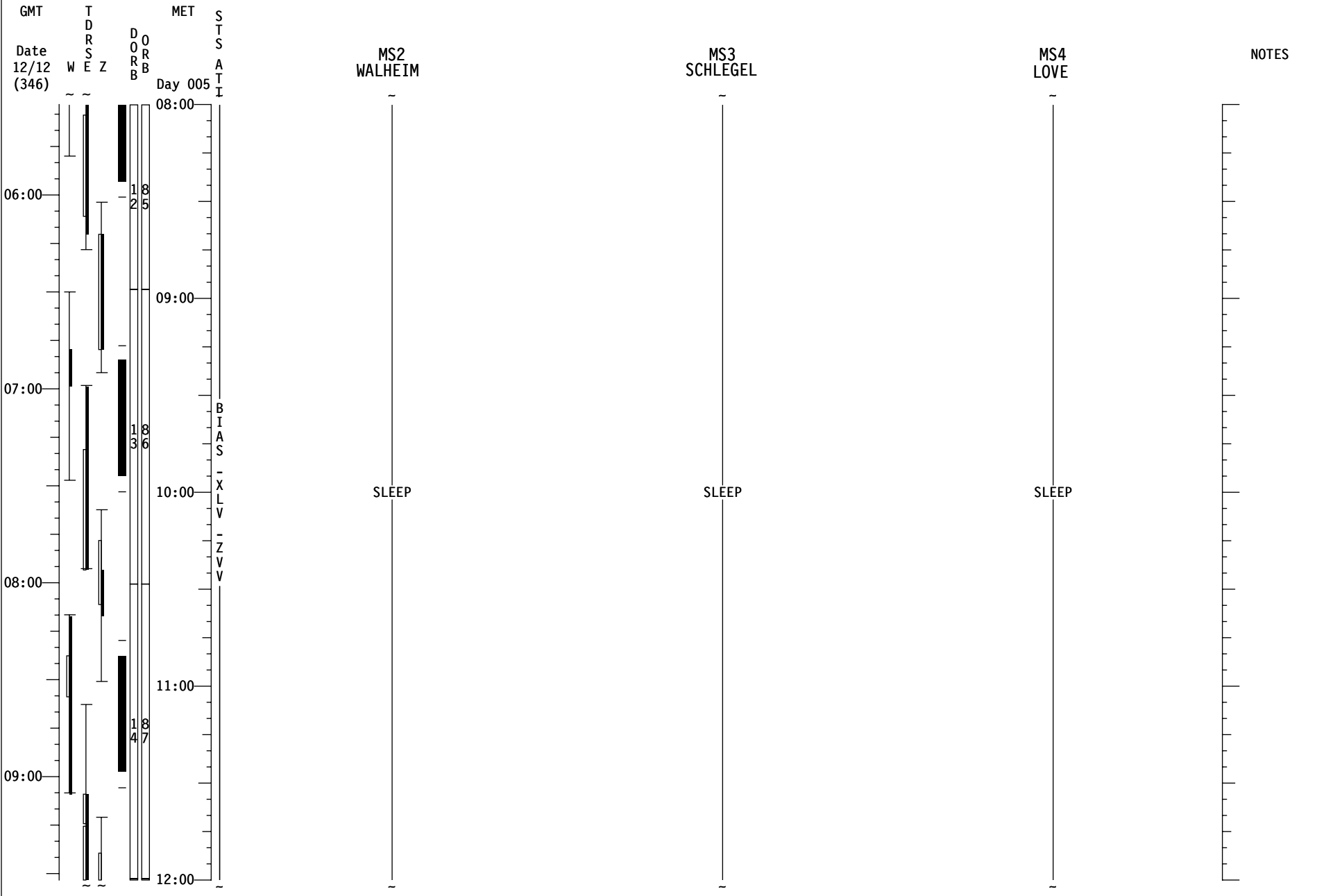
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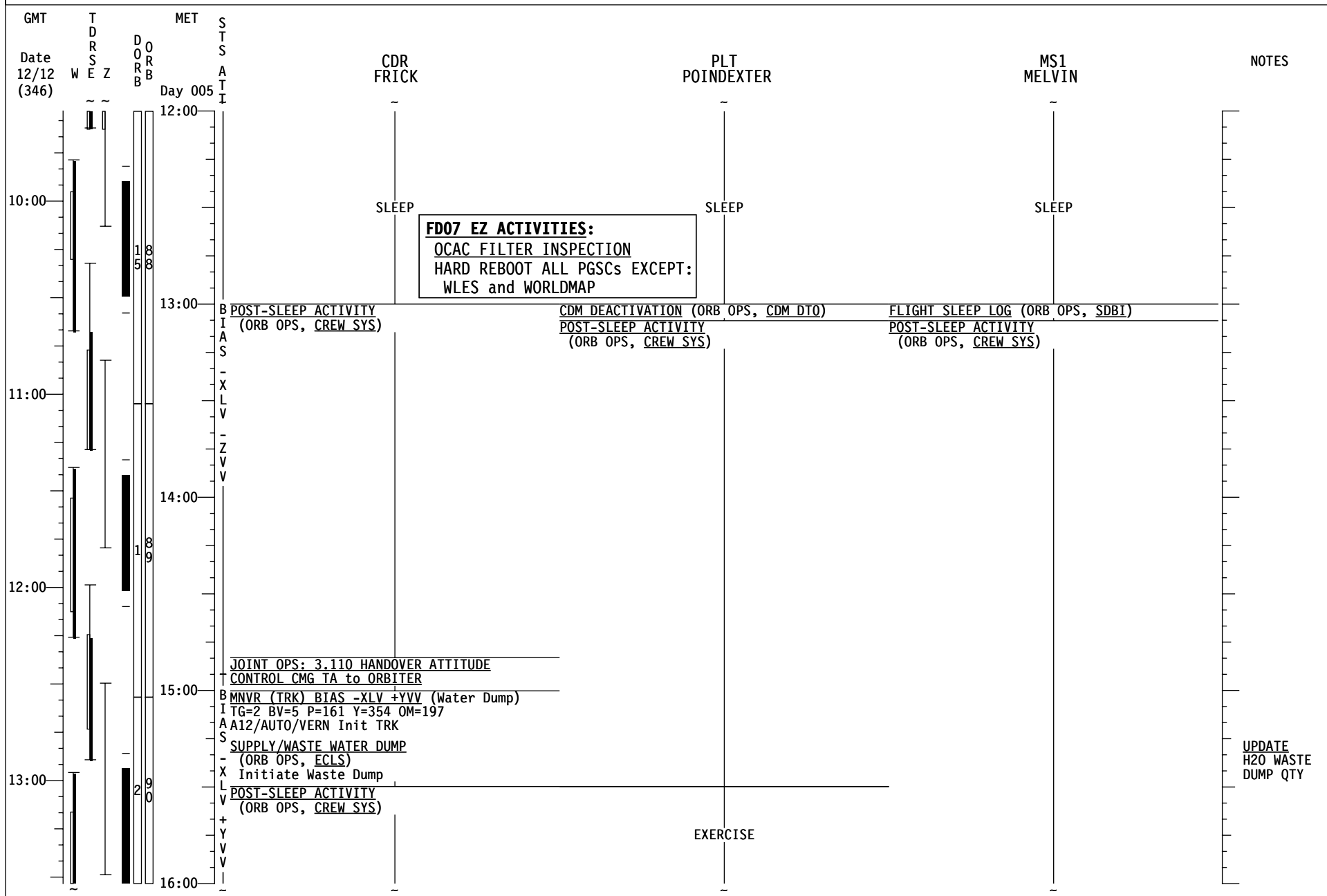
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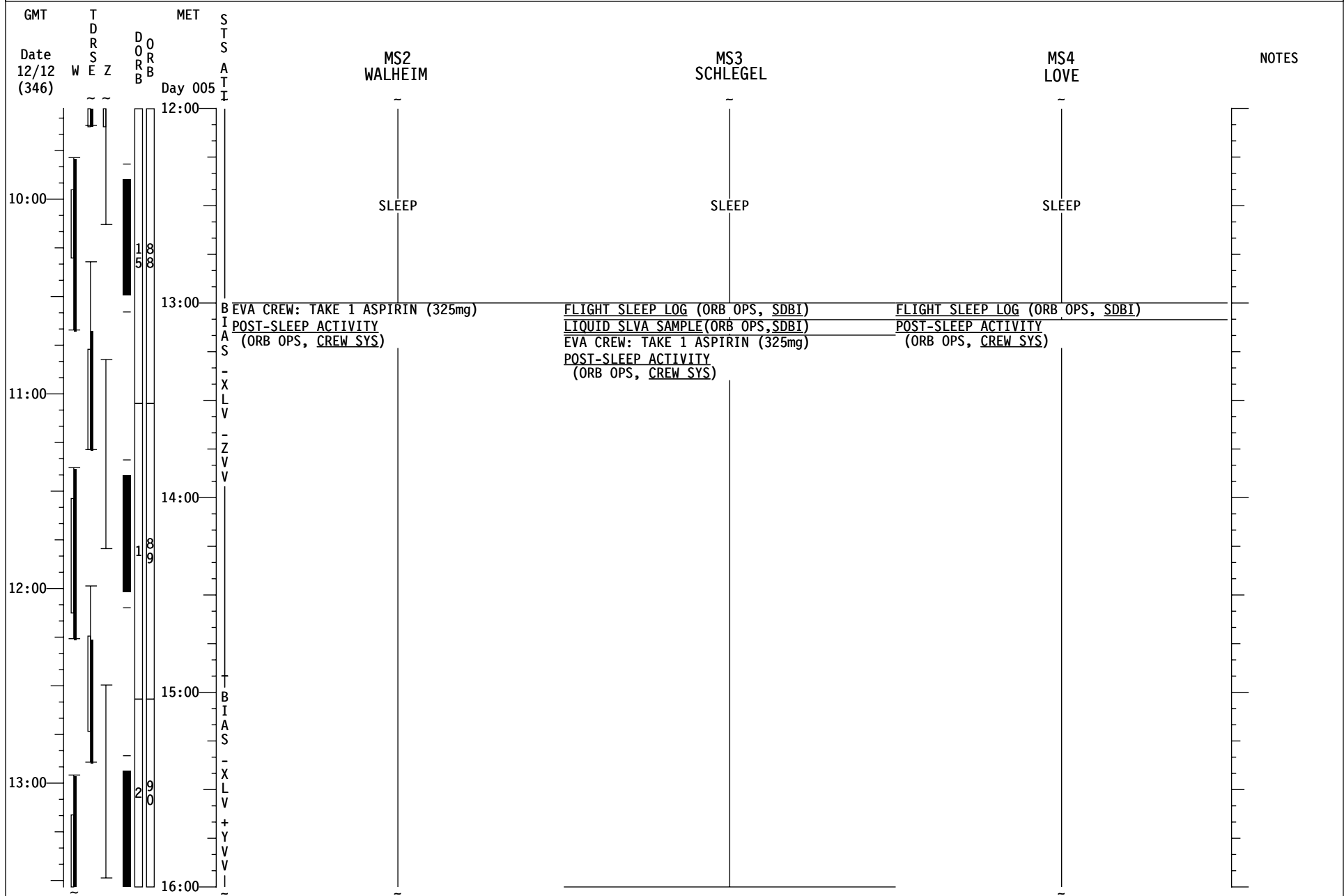
STS-122 FD (06)



STS-122 FD (07)



STS-122 FD (07)



STS-122 FD (07)

GMT	T D R S E Z	MET	S T S	C D R	P L T	M S 1	N O T E S
Date 12/12 (346)	W E Z	Day 005	A T I	FRICK	POINDEXTER	MELVIN	
16:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EXERCISE	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup	
14:00				SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump	L17 Check MCIU filter screen CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO) Location 4		
17:00				MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=161 Y=354 OM=184 A12/AUTO/VERN Init TRK JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA IMU ALIGN - S TRK (ORB OPS, GNC)	N2 REPRESS USING PAYLOAD N2 VLVS [A] PWR FILL (ORB OPS, ECLS) Perform Water Fill #5 Ref. MSG XXX	A) N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) Steps 1-5, On MCC Go, perform step 6 MCC will TMBU all S/W limits	
15:00				ESA PUBLIC AFFAIRS EVENT KU AVAIL: 17:17-17:44	PWR FILL (ORB OPS, ECLS) Perform Water Fill #6 Ref. MSG XXX	EXERCISE	
18:00				EXERCISE	SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform CHANGEOUT Use CWC S/N XXX	1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS, ACT&C/O) Relocate EDR to F1	
16:00					P/TV07 EVA (PHOTO/TV, SCENES) Setup	B) N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) On MCC Go, perform steps 7-12 MCC will TMBU all S/W limits	
19:00					N2 REPRESS USING PAYLOAD N2 VLVS [B]		
17:00				OFF DUTY	OFF DUTY	OFF DUTY	OCA-PFC
				OFF DUTY	VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference		
20:00				MEAL	OFF DUTY		

STS-122 FD (07)

GMT	TDRSZ	MET	SATS	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
Date 12/12 (346)	W E Z	Day 005	DOORB				
16:00				<u>POST-SLEEP ACTIVITY -</u> (ORB OPS, CREW SYS) <u>LV EMU RECONFIGURATION AND SWAP</u> (EVA, AIRLOCK CONFIG)		<u>POST-SLEEP ACTIVITY -</u> (ORB OPS, CREW SYS) <u>LV EMU RECONFIGURATION AND SWAP</u> (EVA, AIRLOCK CONFIG)	
14:00				<u>EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY</u> <u>REPLACEMENT Install METOX Canisters</u> Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	EXERCISE	<u>EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY</u> <u>REPLACEMENT Install METOX Canisters</u> Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	
17:00				<u>EVA SYSTEMS: 1.305 EQUIPMENT</u> <u>LOCK PREP</u> Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	<u>COL EMERGENCY LIGHT POWER SUPPLY-ENABLE</u> (ASSY OPS, ACT&C/O)	<u>EVA SYSTEMS: 1.305 EQUIPMENT</u> <u>LOCK PREP</u> Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	
15:00				Note: Observe 32oz Cold H2O max bag capacity during DIDB fills.	ESA PUBLIC AFFAIRS EVENT KU AVAIL: 17:17-17:44	Note: Observe 32oz Cold H2O max bag capacity during DIDB fills.	
18:00					<u>1.207 COLUMBUS ISPR RACK RELOCATION</u> (ASSY OPS, ACT&C/O) Relocate EDR to F1	OFF DUTY	
16:00				OFF DUTY		EXERCISE	
19:00					<u>DISABLE WLES FILE B/U (ORB OPS, WLES)</u>		
17:00				MEAL	OFF DUTY	MEAL	
20:00							

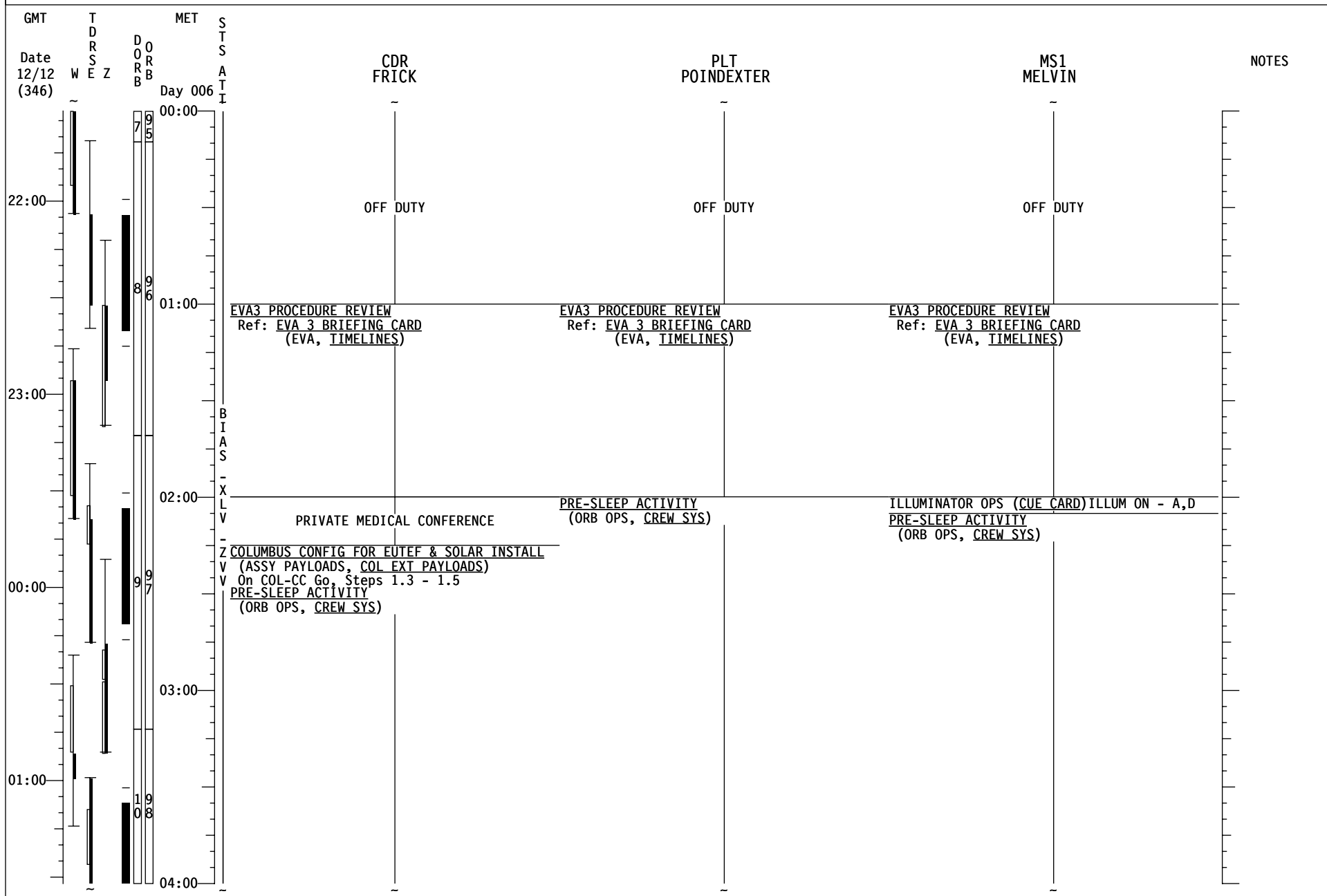
STS-122 FD (07)

GMT	T D R S E Z	M E T	S T S	C D R	P L T	M S 1	N O T E S
Date 12/12 (346)	W E Z	Day 005	A T I	FRICK	POINDEXTER	MELVIN	
20:00				MEAL	MEAL	OFF DUTY	OCA-PFC
18:00						VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference	
21:00				VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference		MEAL	OCA-PFC
19:00							
22:00							
20:00				OFF DUTY	OFF DUTY	OFF DUTY	
23:00							
21:00							
00:00							

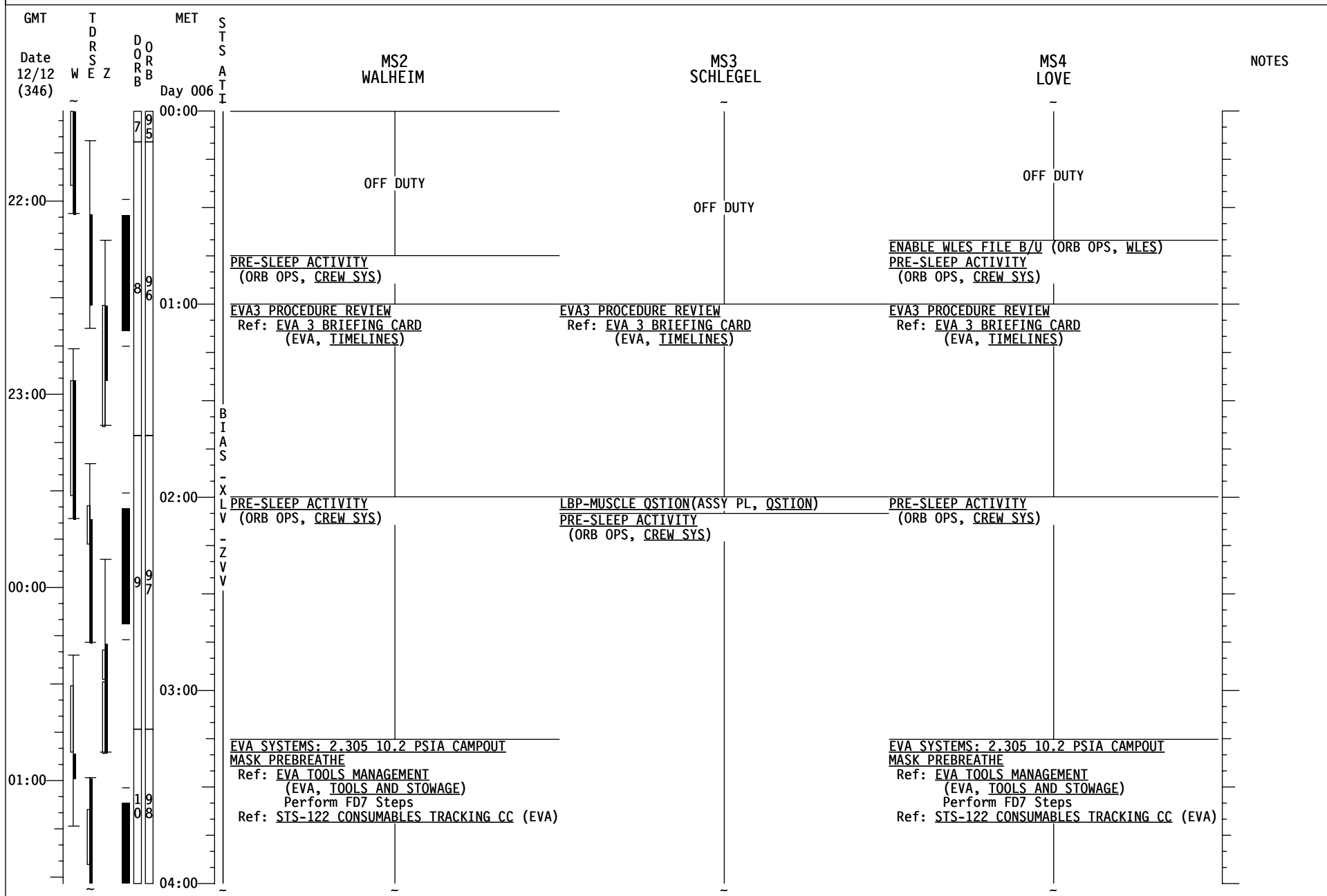
STS-122 FD (07)

GMT	TDRSEZ	MET	SSTS	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
Date 12/12 (346)	W E Z	Day 005	ST I				
				MEAL		MEAL	
18:00					MEAL		
				OFF DUTY	OFF DUTY		
19:00							
					VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference	OFF DUTY	OCA-PFC
20:00				VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference			OCA-PFC
				OFF DUTY			
21:00				EXERCISE	OFF DUTY		
						VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference	OCA-PFC
						OFF DUTY	
00:00							

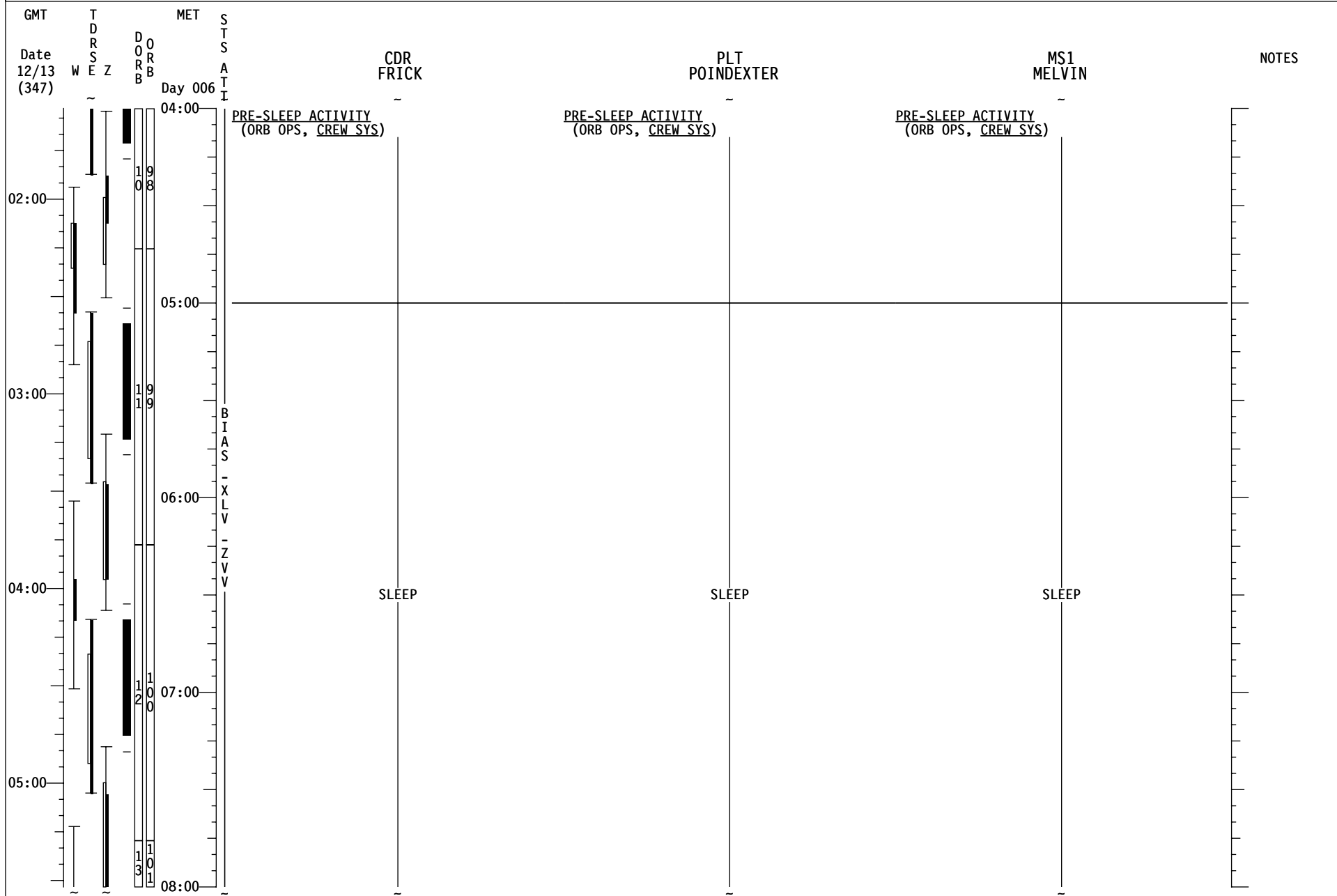
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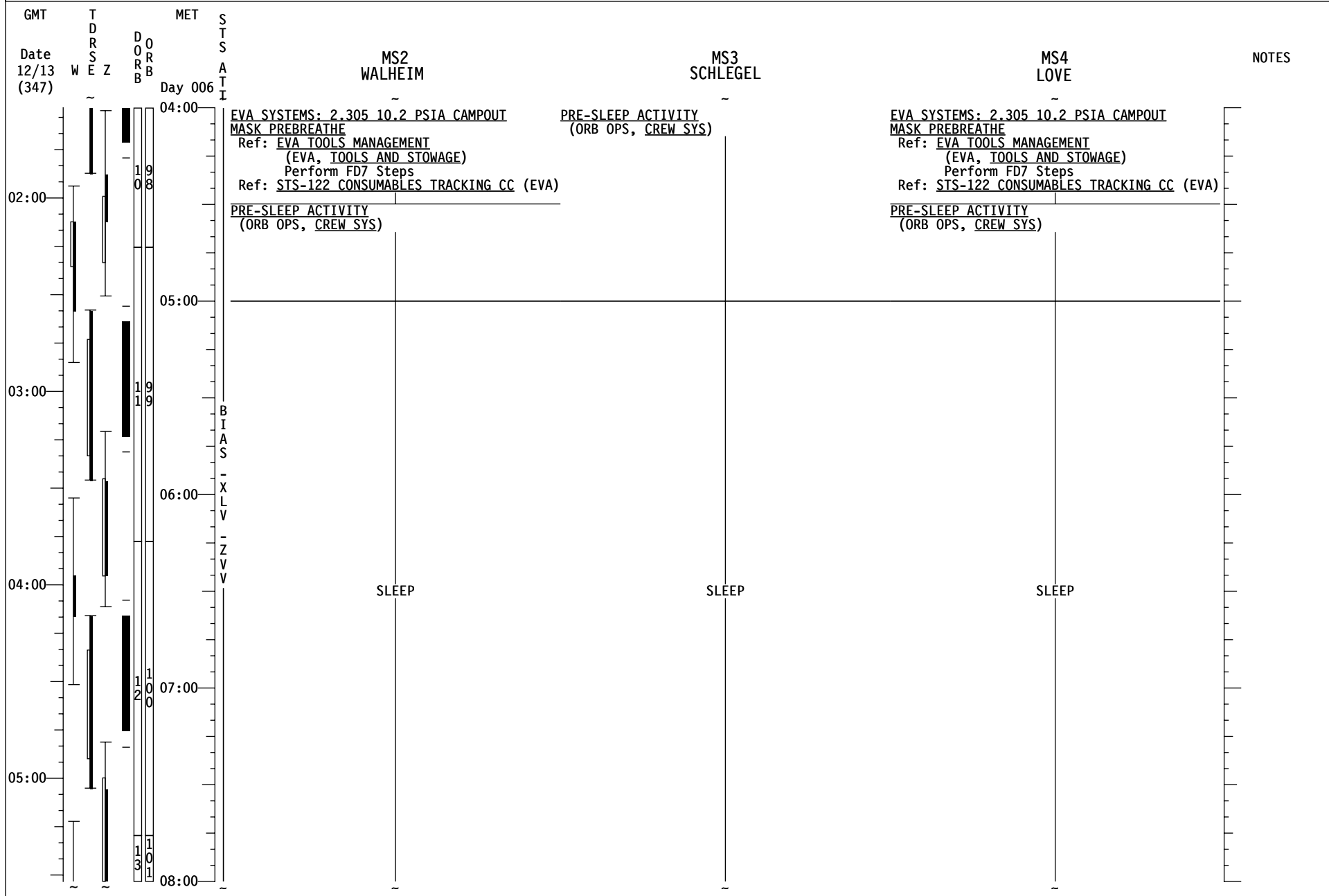
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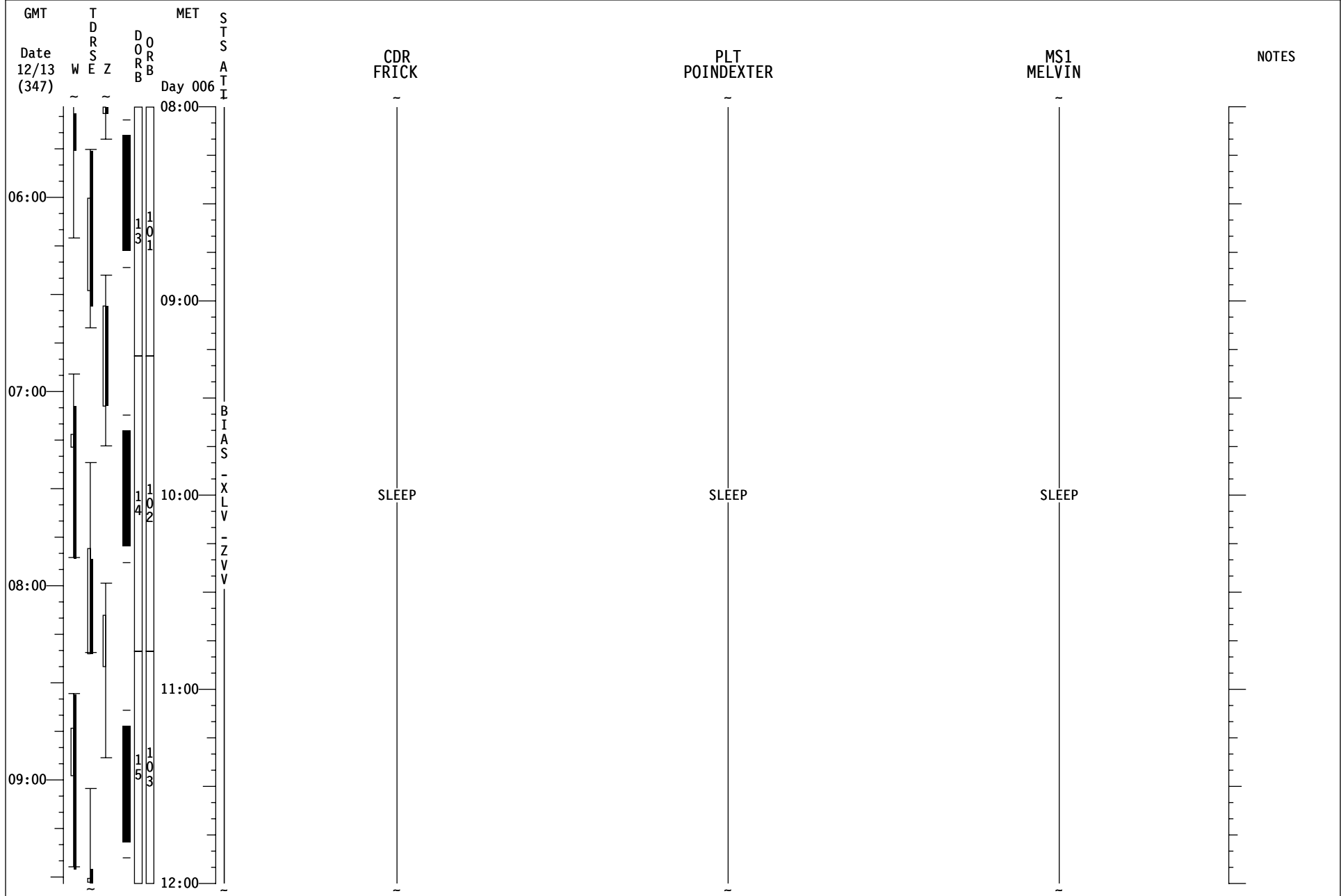
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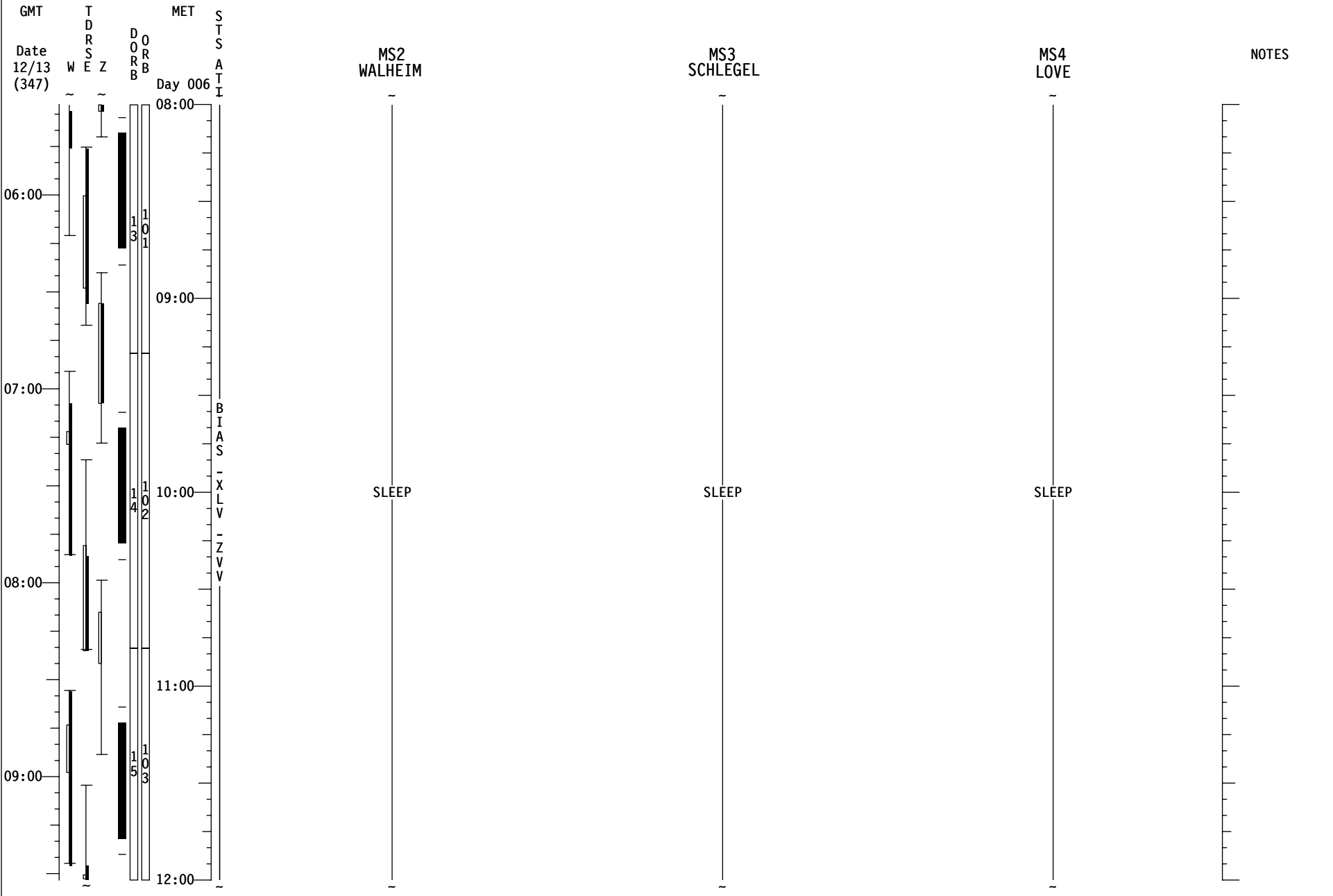
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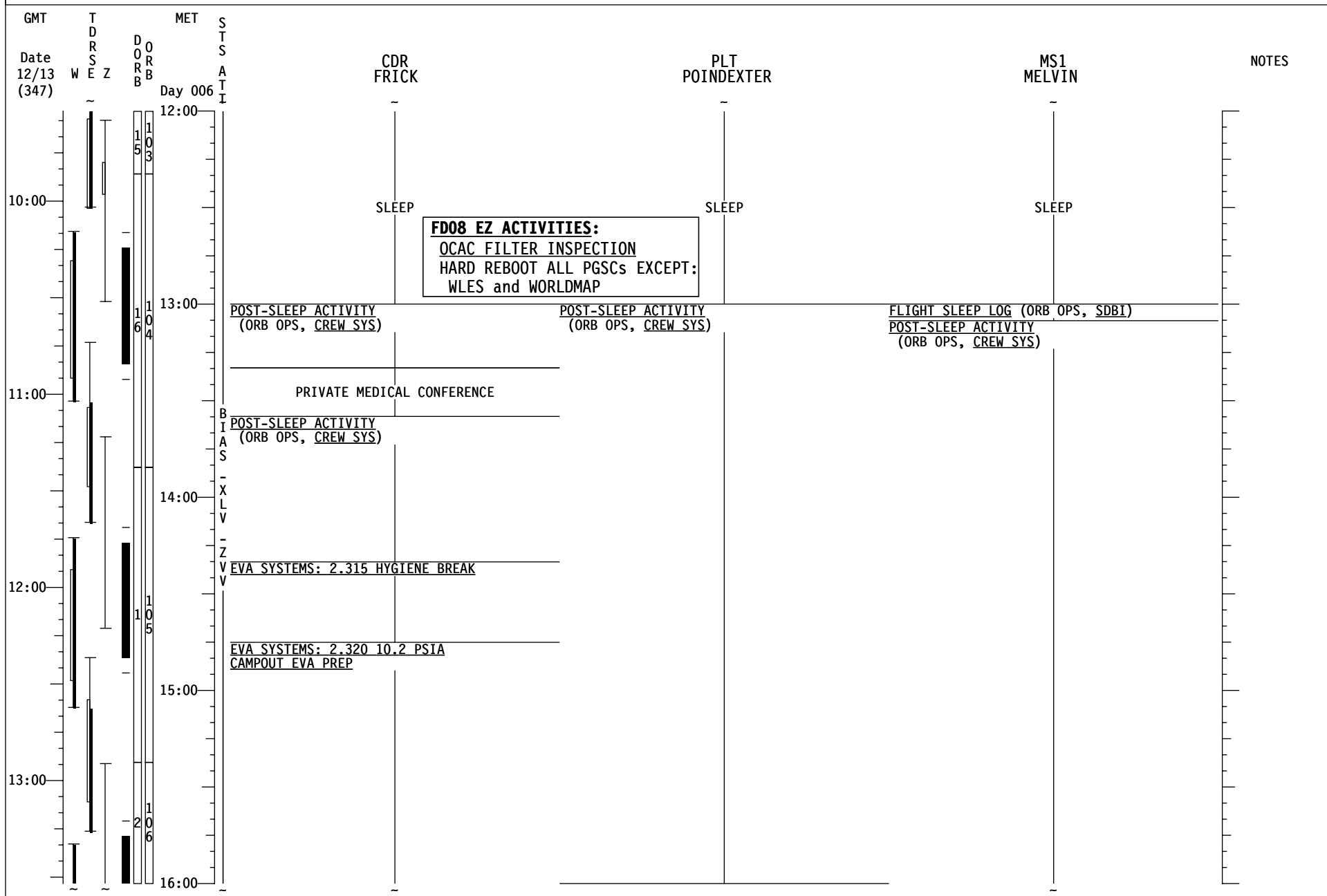
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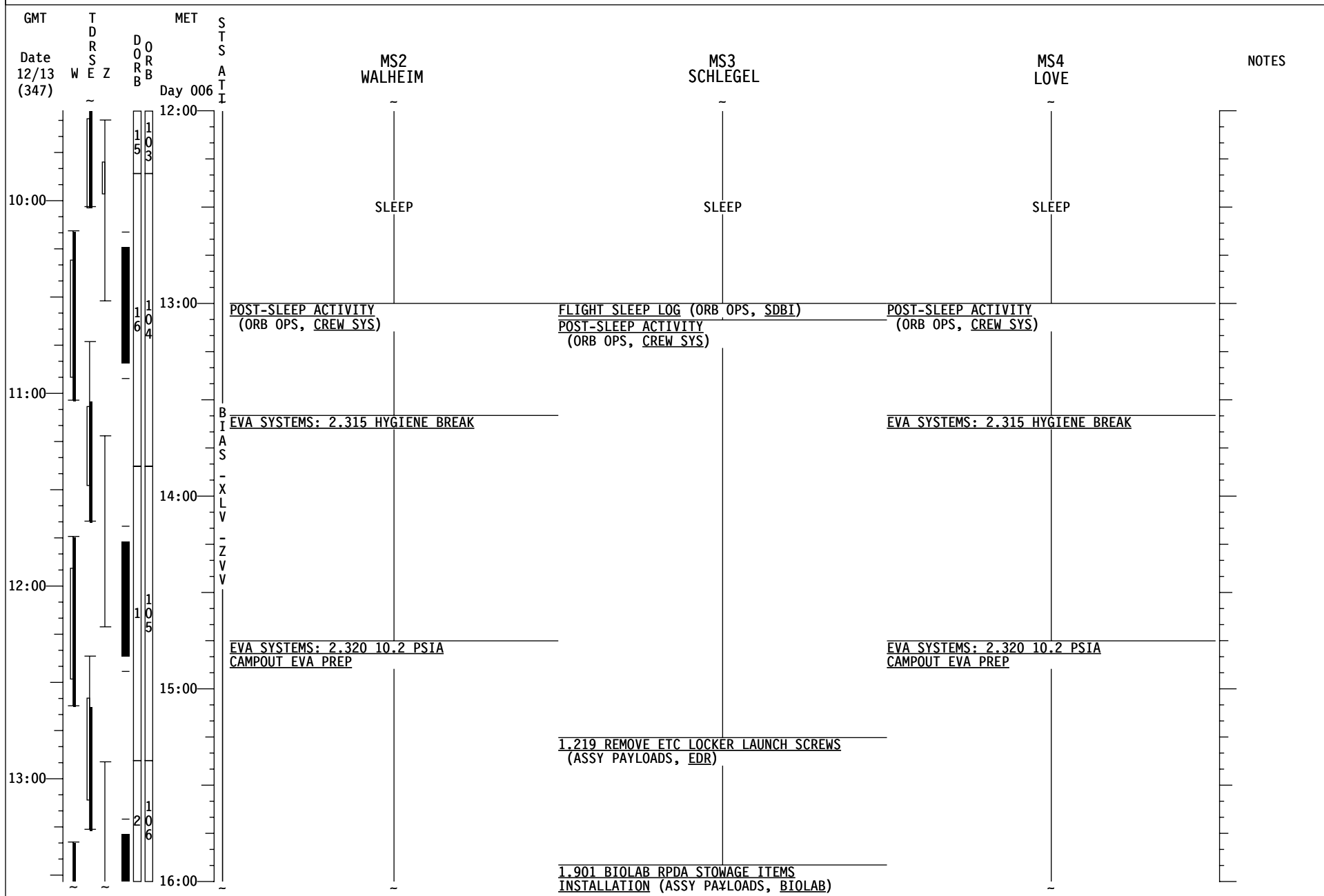
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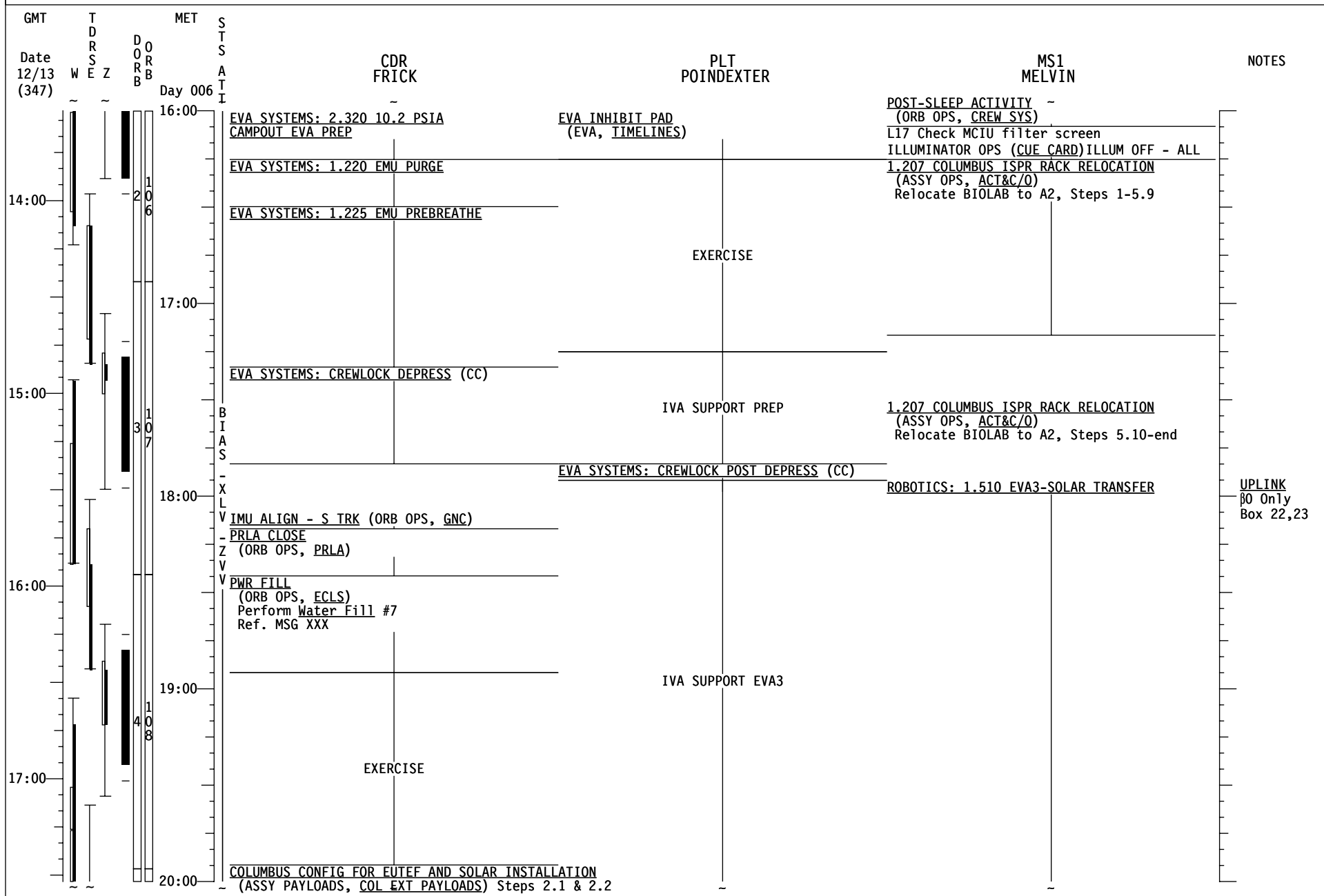
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STS-122 FD (08)



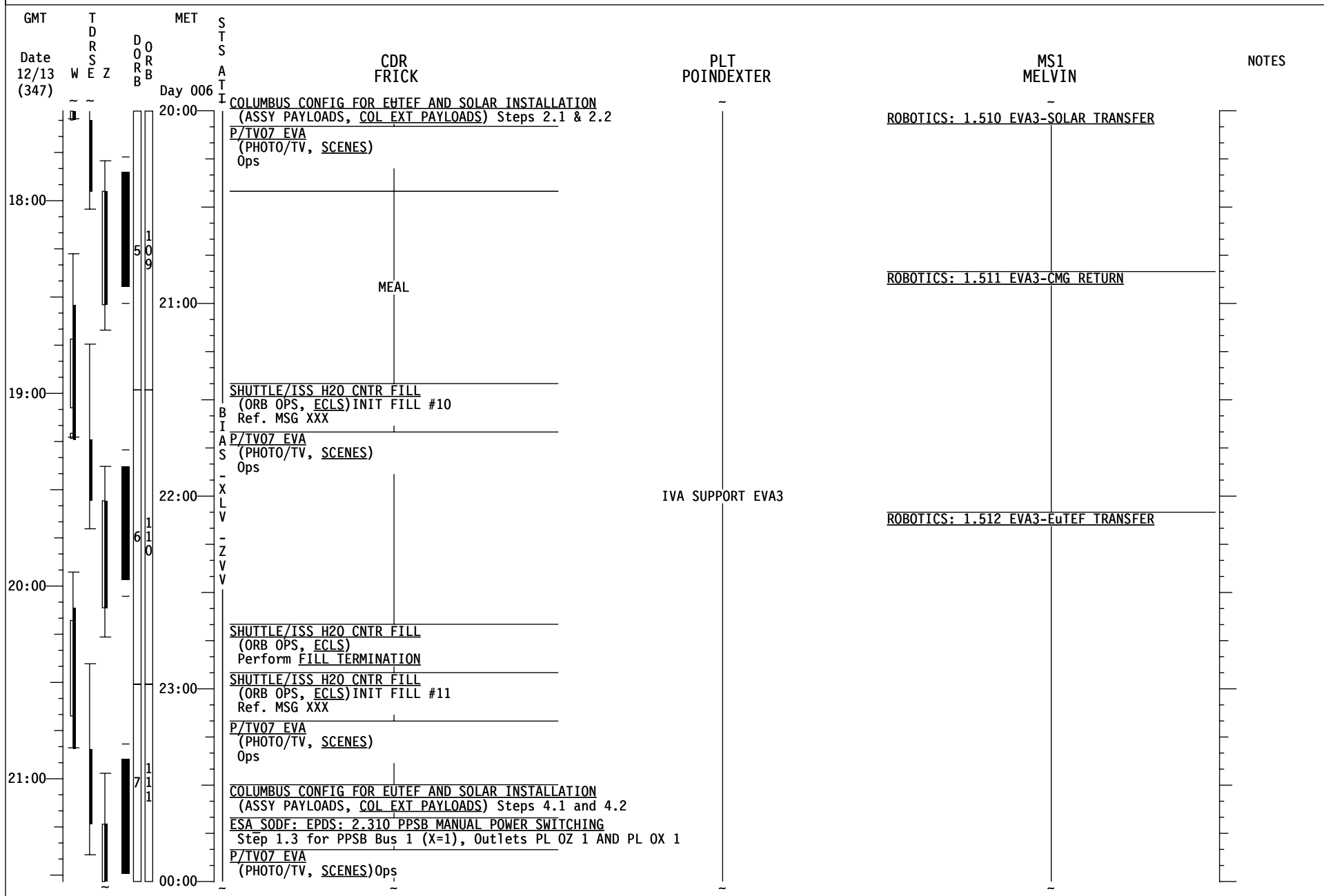
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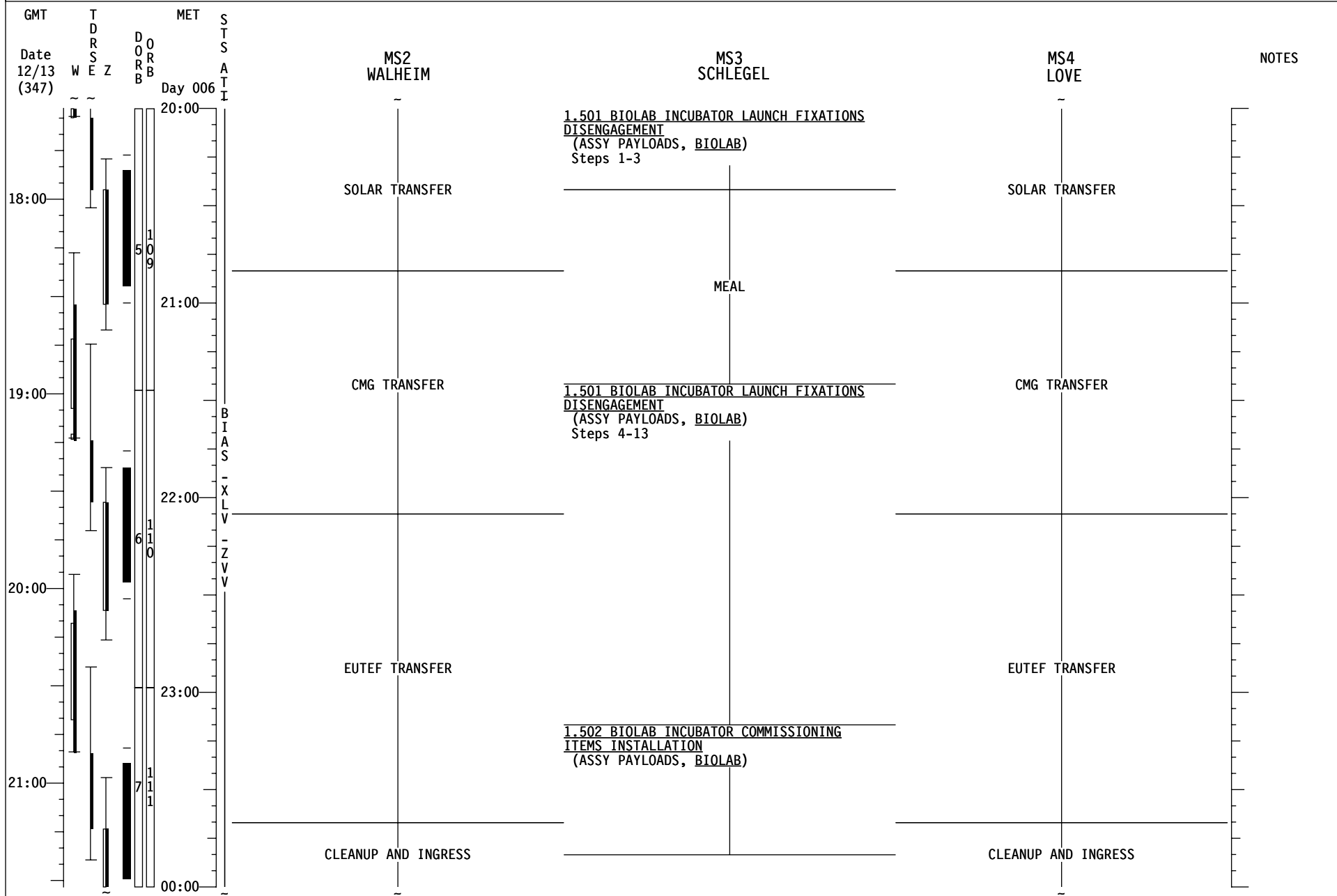
STS-122 FD (08)

GMT	T D R S E Z	MET	S T S	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
Date 12/13 (347)	W E Z	Day 006	A T I				
16:00				EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	1.901 BIOLAB RPDA STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB)	EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	
14:00				EVA SYSTEMS: 1.220 EMU PURGE	1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS, ACT&C/O) Relocate BIOLAB to A2, Steps 1-5.9	EVA SYSTEMS: 1.220 EMU PURGE	
				EVA SYSTEMS: 1.225 EMU PREBREATHE		EVA SYSTEMS: 1.225 EMU PREBREATHE	
17:00							
15:00				EVA SYSTEMS: CREWLOCK DEPRESS (CC)	1.701 BIOLAB LAPTOP STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB)	EVA SYSTEMS: CREWLOCK DEPRESS (CC)	
					1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS) Relocate BIOLAB to A2, Steps 5.10-end		
18:00				EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)		EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	
				EVA SYSTEMS: CREWLOCK EGRESS (CC)	GATHER BIOLAB EQUIPMENT	EVA SYSTEMS: CREWLOCK EGRESS (CC)	
16:00					1.001 BIOLAB INSPECTION AFTER RACK RELOCATION (ASSY PAYLOADS, BIOLAB)		
					1.103 BIOLAB TCUS LAUNCH FIXATIONS DISENGAGEMENT (ASSY PAYLOADS, BIOLAB) Steps 1-4		
19:00				SOLAR TRANSFER		SOLAR TRANSFER	
17:00					1.104 BIOLAB TCU STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB)		
20:00							

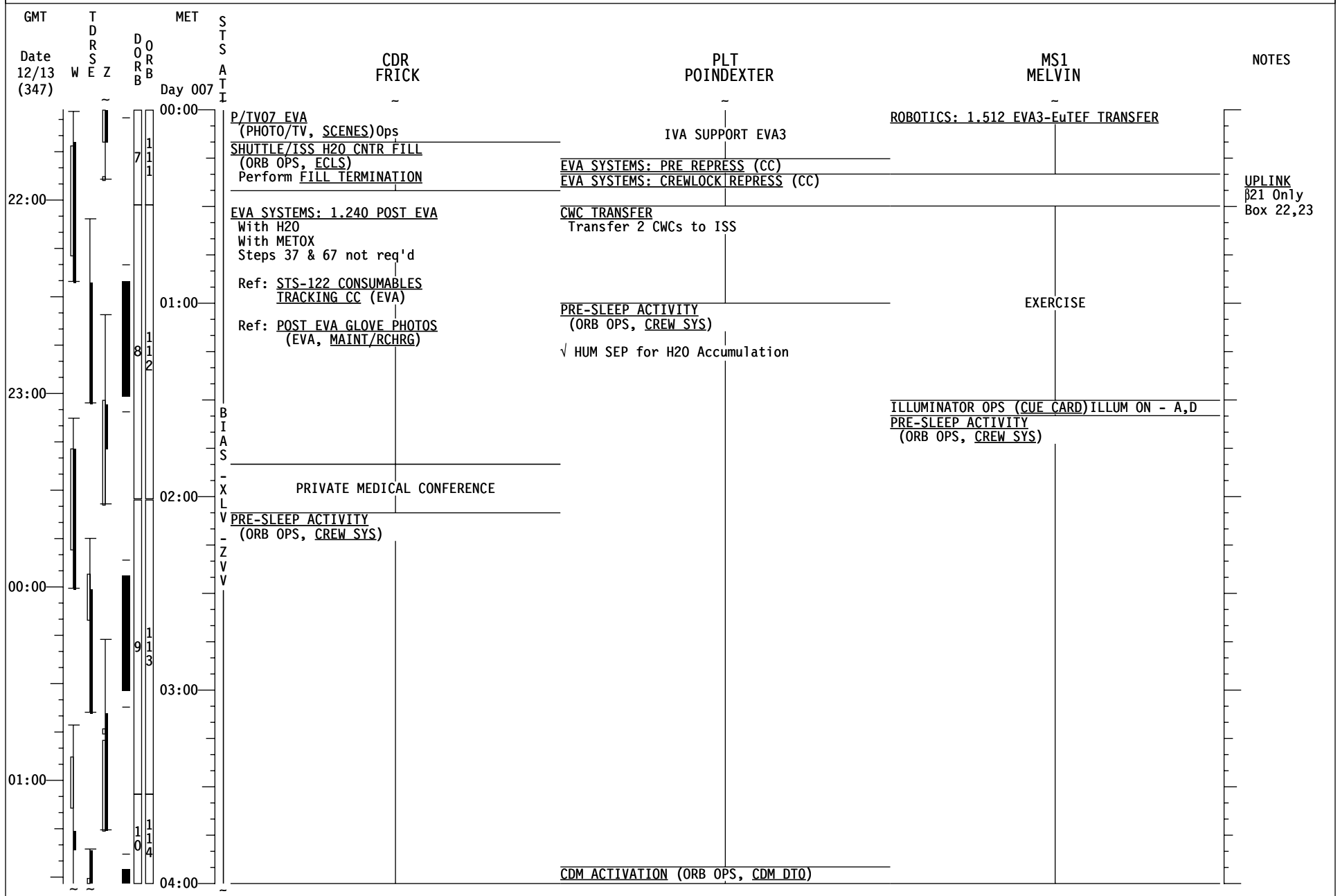
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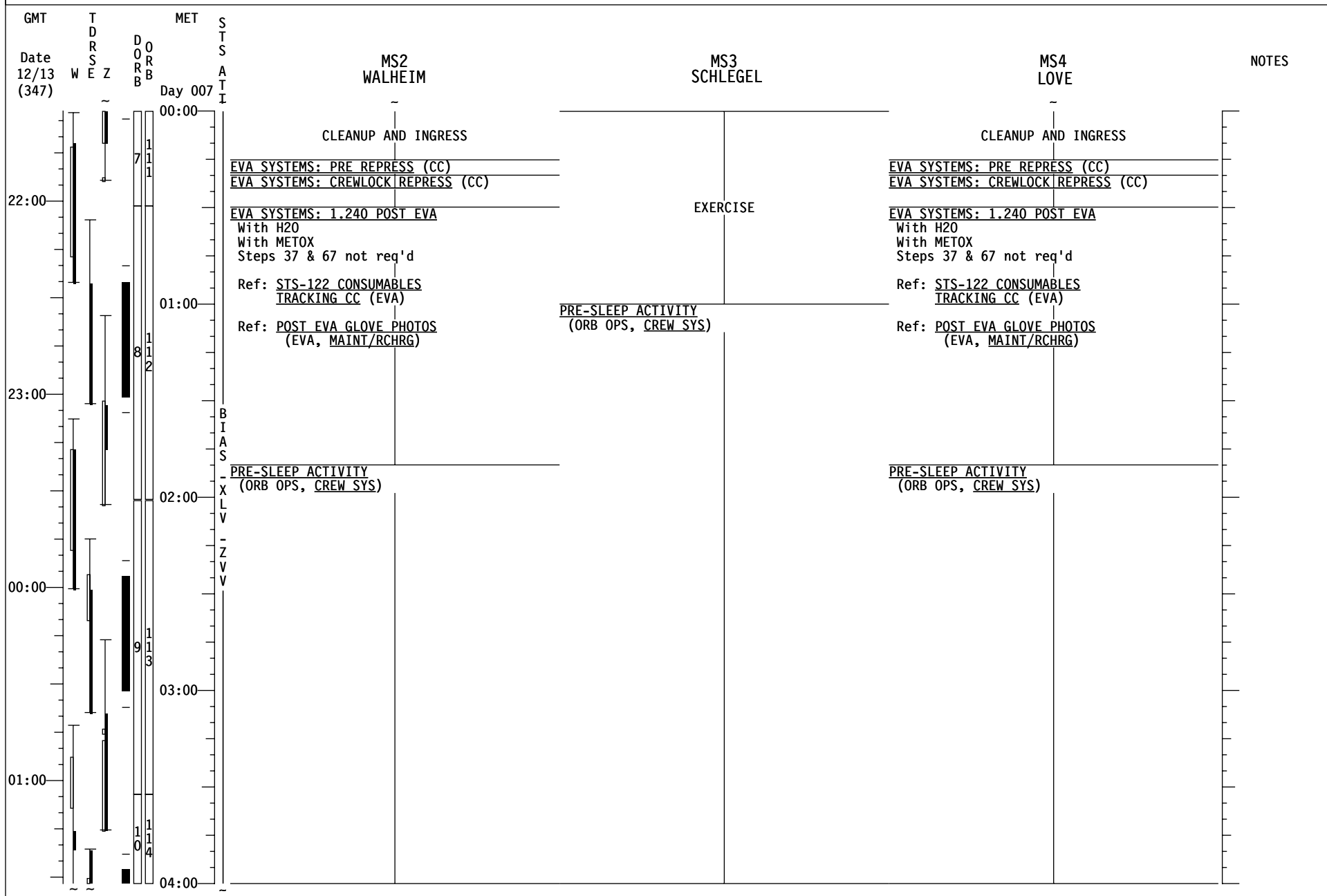
STS-122 FD (08)



STS-122 FD (08)



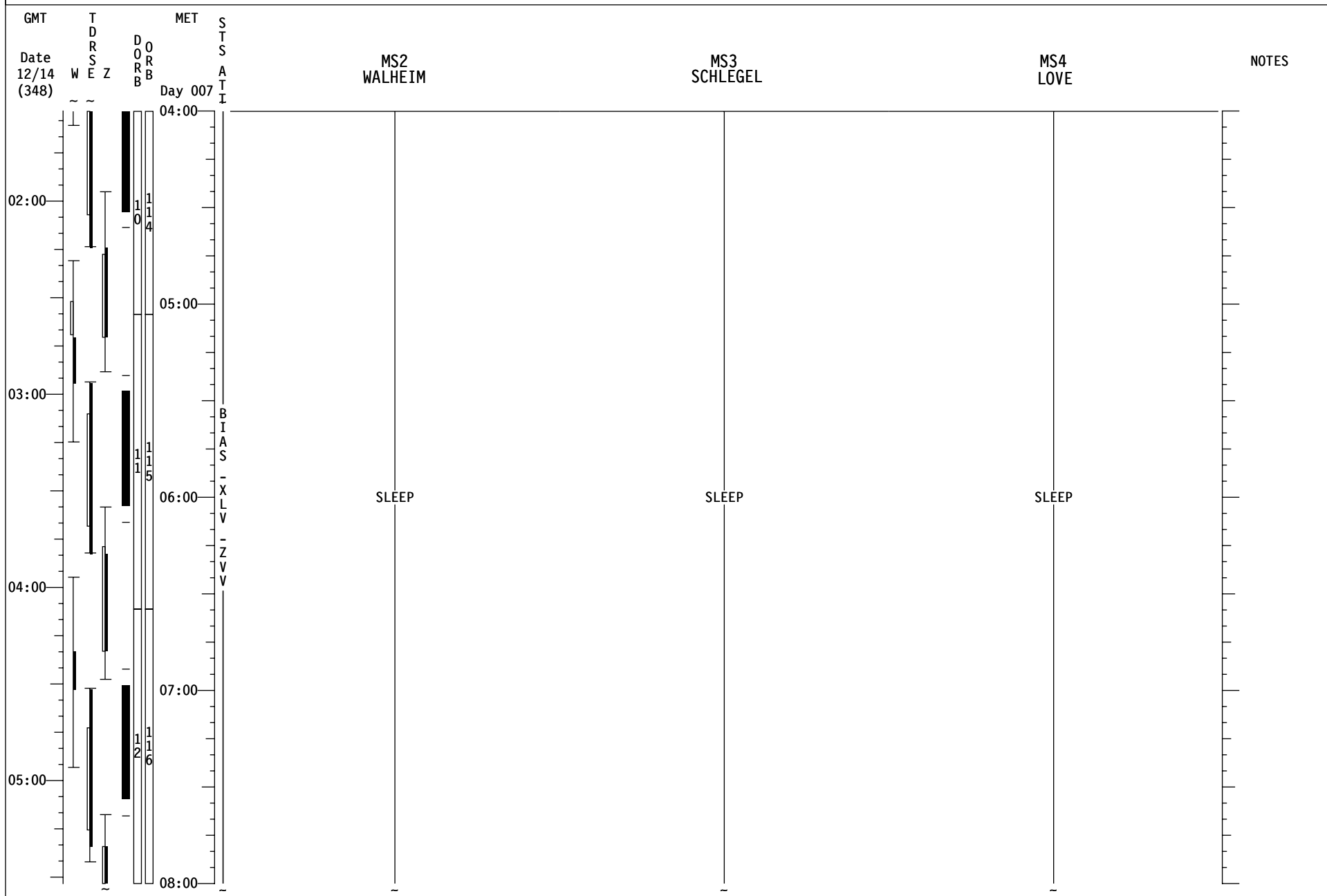
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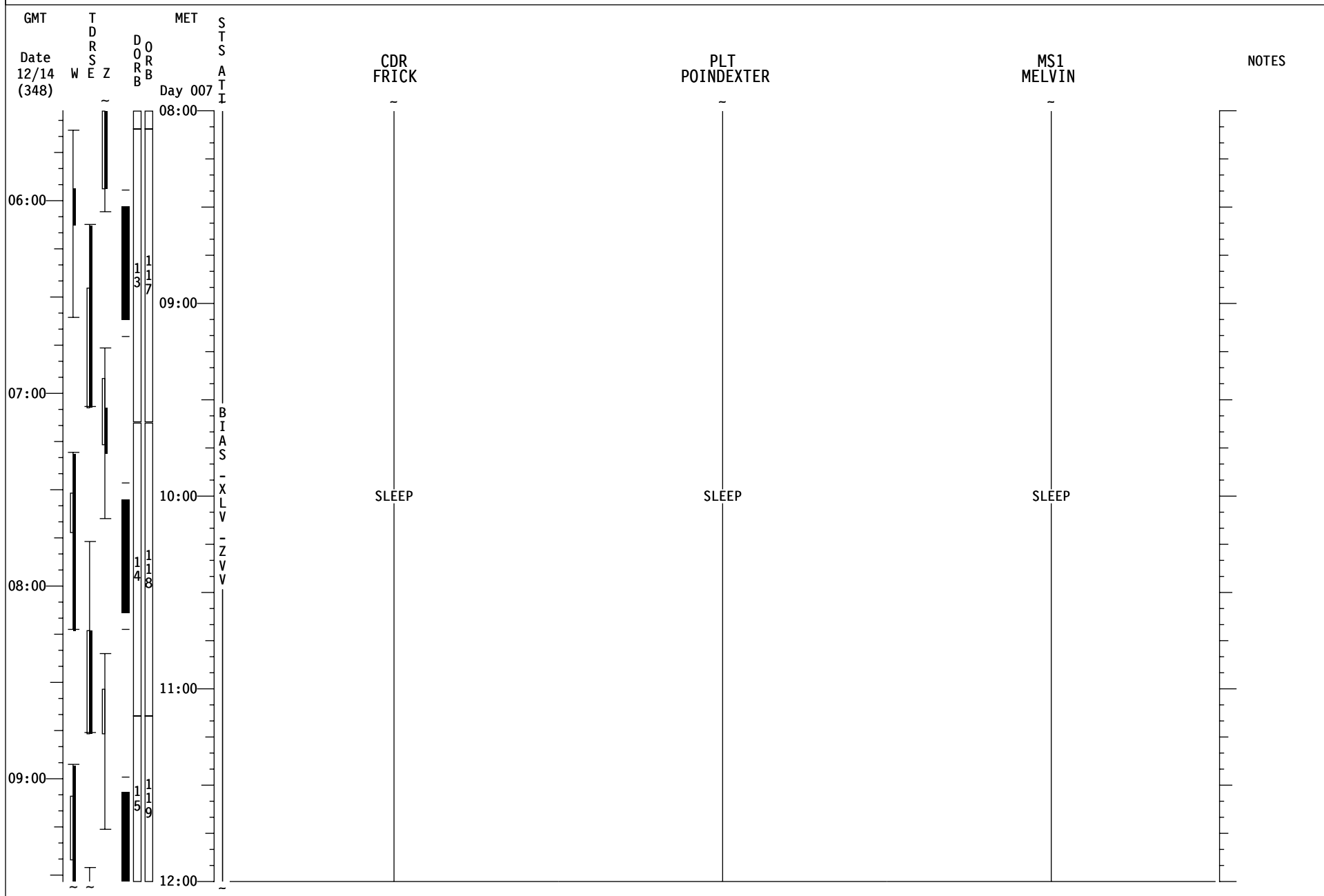
STS-122 FD (08)

GMT Date 12/14 (348)	TDRSEZ W E Z	MET Day 007	S T S A T I	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
			D O R B 1 1 4 1 1 5 1 2 6 B I A S X L V Z V V	SLEEP	SLEEP	SLEEP	

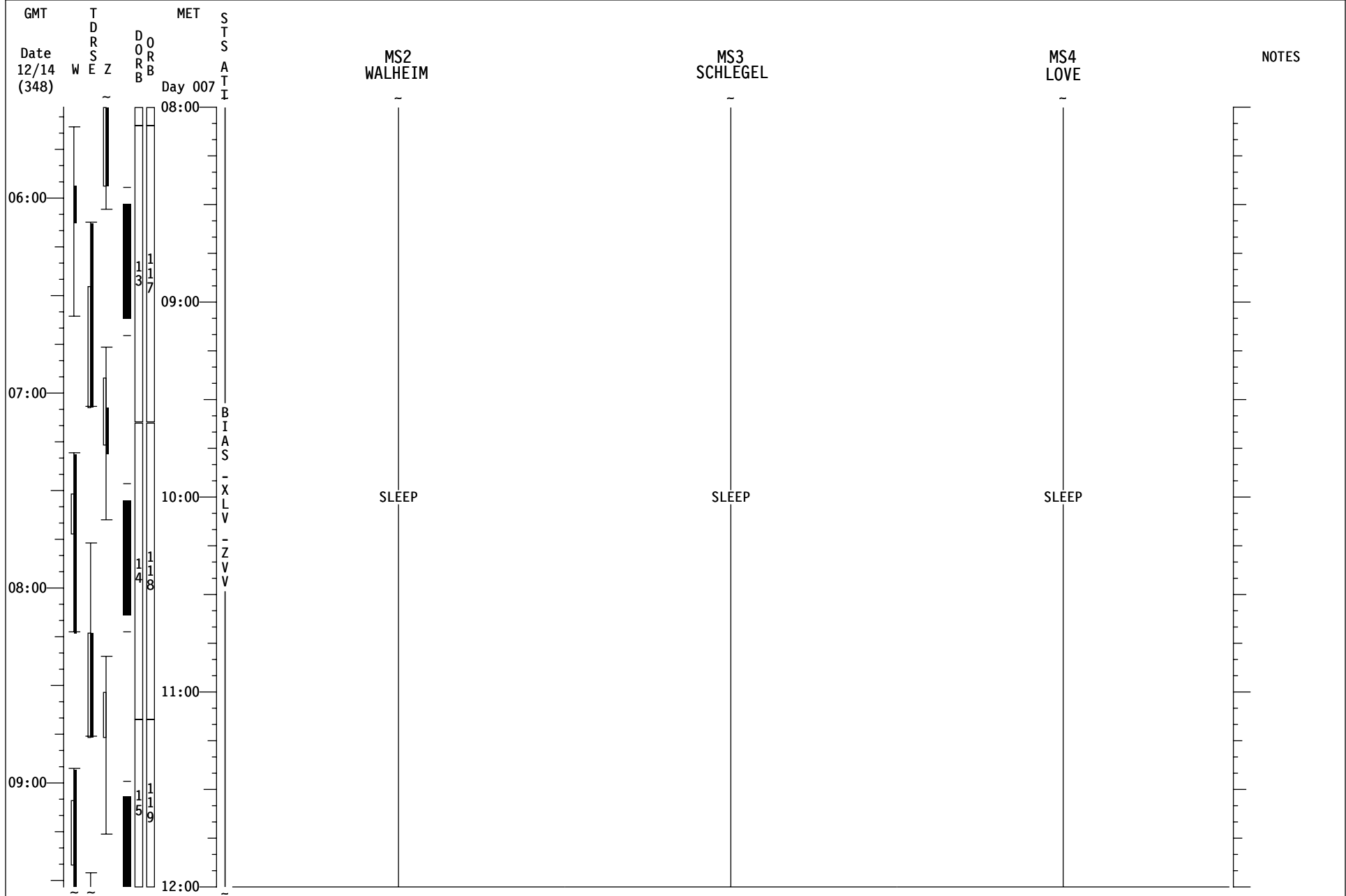
STS-122 FD (08)



STS-122 FD (08)



STS-122 FD (08)



STS-122 FD (09)

GMT	T D R S E Z	MET	S T S	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/14 (348)	W E Z	Day 007	A T I				
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>D O R B</p> <p>1111 9119</p> </div> <div style="width: 20%;"> <p>S T S</p> <p>1111 1110 1120 1130 1140 1150 1200 1210 1220 1230 1240 1250 1300 1310 1320 1330 1340 1350 1400 1410 1420 1430 1440 1450 1500 1510 1520 1530 1540 1550 1600</p> </div> <div style="width: 20%;"> <p>POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)</p> </div> <div style="width: 20%;"> <p>CDM DEACTIVATION (ORB OPS, CDM DTQ) <u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p> </div> <div style="width: 20%;"> <p>FLIGHT SLEEP LOG (ORB OPS, SDBI) <u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>11:00</p> </div> <div style="width: 20%;"> <p>B I A S</p> <p>- X L V</p> <p>- Z V V</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>12:00</p> </div> <div style="width: 20%;"> <p>R E B O O S T</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>13:00</p> </div> <div style="width: 20%;"> <p>JOINT OPS: 3.110 HANDOVER ATTITUDE CONTROL CMG TA to ORBITER MNVR (TRK) REBOOST ATTITUDE TG=2 BV=5 P=175 Y=0 OM=172 A12/AUTO/VERN Init TRK</p> </div> <div style="width: 20%;"> <p>AUTO REBOOST (ORB OPS, REBOOST/DAP) CONFIG 3</p> </div> <div style="width: 20%;"> <p>PWR FILL (ORB OPS, ECLS) Perform Water Fill #8 Ref. MSG XXX</p> </div> <div style="width: 20%;"> <p>AUTO REBOOST (ORB OPS, REBOOST/DAP) CONFIG 3</p> </div> <div style="width: 20%;"> <p>L17 Check MCIU filter screen ILLUMINATOR OPS (CUE_CARD) ILLUM OFF - ALL DAILY TRANSFER LIST UPDATE Ref. MSG XXX</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>15:00</p> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>16:00</p> </div> </div>							

FD09 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES & WORLDMAP

STS-122 FD (09)

GMT	T D R S E Z	MET	S T S	C D R	P L T	M S 1	N O T E S
Date 12/14 (348)	W E Z	Day 007	A T I	FRICK	POINDEXTER	MELVIN	
16:00				AUTO REBOOST (ORB OPS, REBOOST/DAP) CONFIG 3	AUTO REBOOST (ORB OPS, REBOOST/DAP) CONFIG 3	P/TV09 STRUCTURAL DYNAMICS (PHOTO/TV, SCENES) Reboost Ops	
14:00				MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=161 Y=355 OM=184 A12/AUTO/VERN Init TRK	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #12 Ref. MSG XXX	TRANSFER OPS Ref. Transfer List & MSG XXX	
17:00				JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA	TRANSFER OPS Ref. Transfer List & MSG XXX		
15:00				N2 REPRESS USING PAYLOAD N2 VLVS [A] IMU ALIGN - S TRK (ORB OPS, GNC)	[A] N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) Steps 1-5, On MCC Go, perform step 6 MCC will TMBU all S/W limits		
				JOINT OPS: 2.108 SHUTTLE AIRLOCK/TUNNEL FAN DEACTIVATION (BYPASS DUCT INSTALLED) Steps 3-9, Inform MCC when complete	[B] N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) On MCC Go, perform steps 7-12 MCC will TMBU all S/W limits		
18:00				TRANSFER OPS Ref. Transfer List & MSG XXX	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Ops	
16:00				CWC TRANSFER Transfer 1 CWCs to ISS	TRANSFER OPS Ref. Transfer List & MSG XXX		
				PWR FILL Z (ORB OPS, ECLS) V Perform Water Fill #9 V Ref. MSG XXX		TRANSFER OPS Ref. Transfer List & MSG XXX	
19:00				P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup			
				N2 REPRESS USING PAYLOAD N2 VLVS [B]			
17:00				CREW CONFERENCE	CREW CONFERENCE	CREW CONFERENCE	
				CREW PHOTO	CREW PHOTO	CREW PHOTO	
20:00							

STS-122 FD (09)

GMT Date 12/14 (348)	T D R S E Z W ~ ~	MET Day 007	S T S A T I	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
				<p>POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Do not perform EVA UNPACK AND STOW steps</p>	<p>1.402 BIOLAB HANDLING MECHANISM STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.403 BIOLAB HANDLING MECHANISM COMMISSIONING ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.601 BIOLAB ANALYSIS INSTRUMENTS COMMISSIONING ITEMS INSTALL (ASSY PAYLOADS, BIOLAB)</p>	<p>POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Do not perform EVA UNPACK AND STOW steps</p>	
16:00							
17:00							
18:00					<p>1.201 BIOLAB AUTOMATIC TEMPERATURE CONTROLLED STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.202 BIOLAB AUTOMATIC TEMPERATURE CONTROLLED STOWAGE COMMISSIONING ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.216 BIOLAB UMBILICAL MATE (ASSY PAYLOADS, BIOLAB)</p>		
19:00					<p>DRY SALIVA CLCT(ORB OPS,SDBI)</p>	<p>DRY SALIVA CLCT(ORB OPS,SDBI)</p>	
20:00				<p>CREW CONFERENCE</p>	<p>CREW CONFERENCE</p>	<p>CREW CONFERENCE</p>	
				<p>CREW PHOTO</p>	<p>CREW PHOTO</p>	<p>CREW PHOTO</p>	

STS-122 FD (09)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/14 (348)	W E Z	Day 007	124				
18:00				MEAL	MEAL	MEAL	
19:00			125	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #13 Ref. MSG XXX	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	
20:00			126	EXERCISE	TRANSFER OPS Ref. Transfer List & MSG XXX	US PODF: HRF INT IMM: 2.011 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 1, BLOOD SETUP	
21:00			127	Z SHUTTLE/ISS H2O CNTR FILL V (ORB OPS, ECLS) V Perform FILL TERMINATION	P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Setup	US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2, BLOOD DRAW	
22:00			128	CWC TRANSFER Transfer 1 CWC to ISS	P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Perform DEACTIVATION, Step 2	US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2, BLOOD DRAW	
23:00				JOINT OPS: 3.118 OXYGEN TRANSFER TEARDOWN Steps 1-6		US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 3, STOW TRANSFER TAGUP Coordinate with xfer counterpart	
00:00				FAREWELL	FAREWELL	FAREWELL	
				JOINT OPS: 3.110 HANDOVER ATTITUDE CONTROL CMG TA to ORBITER	CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO) Location 5		

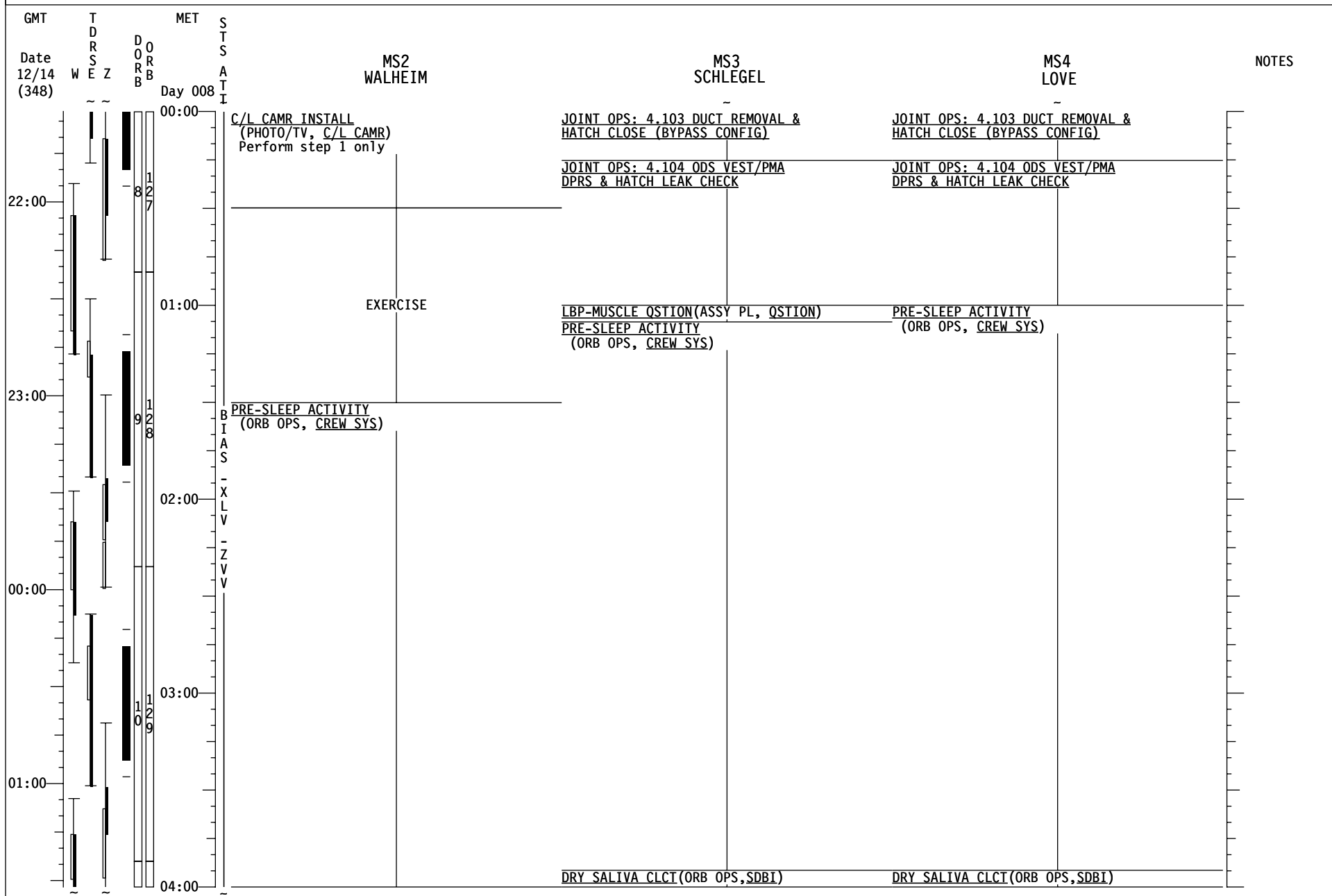
STS-122 FD (09)

GMT	TDRSEZ	MET	S	A	T	I	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES	
Date 12/14 (348)		Day 007									
18:00							MEAL	MEAL	MEAL		
19:00											
20:00											
21:00							TRANSFER OPS Ref. Transfer List & MSG XXX	1.301 BIOLAB GLOVEBOX LAUNCH BRACKETS DISENGAGEMENT (ASSY PAYLOADS, BIOLAB)	DISABLE WLES FILE BACKUP(ORB OPS, WLES) TRANSFER OPS Ref. Transfer List & MSG XXX		
22:00											
23:00								EXERCISE			
00:00							FAREWELL	FAREWELL	FAREWELL		
								JOINT OPS: 4.103 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG)	JOINT OPS: 4.103 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG)		

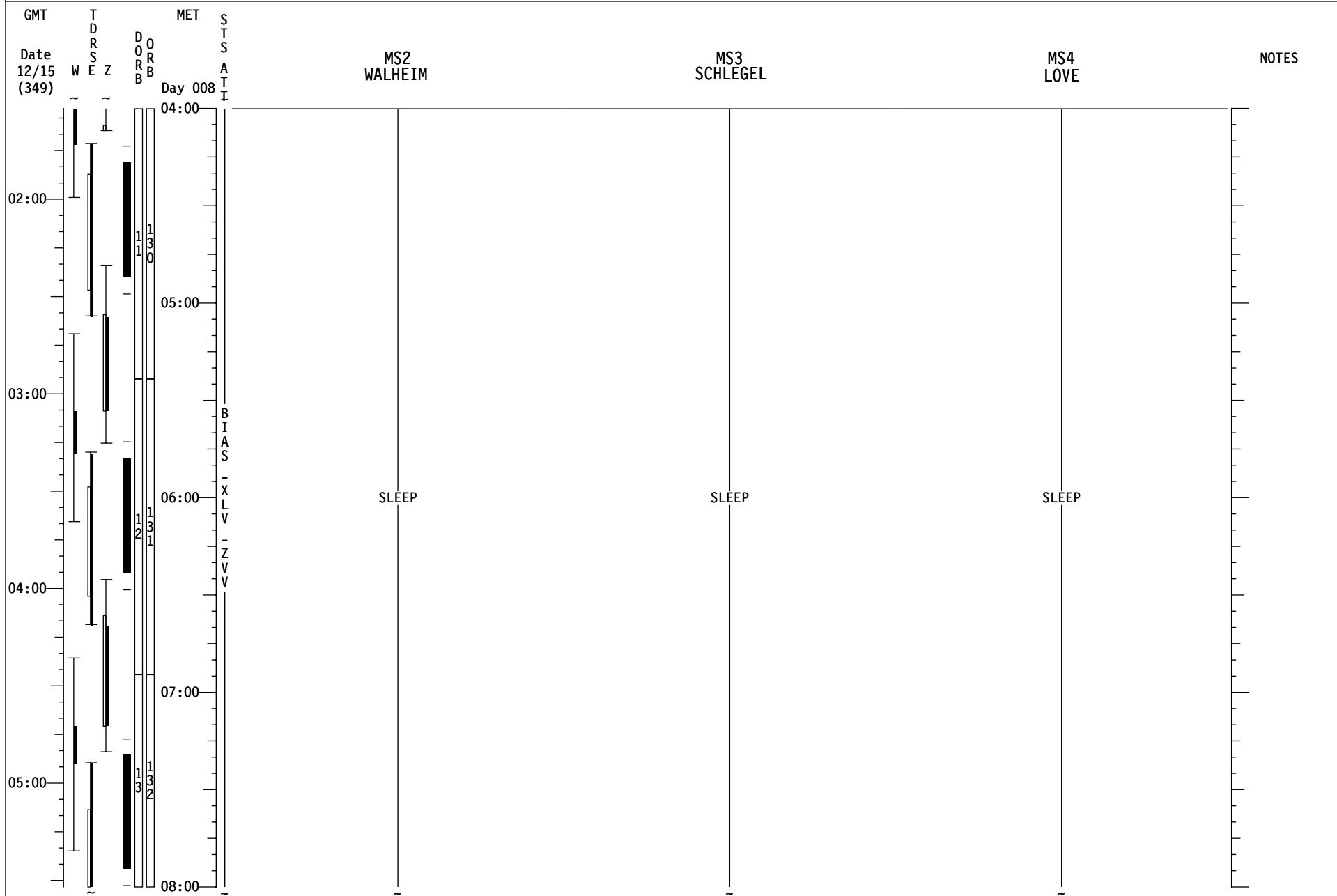
STS-122 FD (09)

GMT	T D R S E Z	MET	S T S	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/14 (348)	W E Z	Day 008	A T I				
00:00							
				<u>A</u> PCS ACTIVATION M010W 14.7 CAB REG INLET SYS 1 VLV - OP Avoid WCS use during high N2 flow Expect possible "S66 CAB N2(02) FLO 1" msg		<u>P/TV03 UNDOCK</u> (PHOTO/TV, SCENES) Setup	
22:00				<u>NOMINAL H2O CONFIG</u> (ORB OPS, ECLS) FES PRI A Req'd	EXERCISE	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
				<u>PCS ACTIVATION [A]</u> JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA			
01:00				PRIVATE MEDICAL CONFERENCE	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
23:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		EXERCISE	
02:00						<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	
00:00							
03:00							
01:00							
04:00							

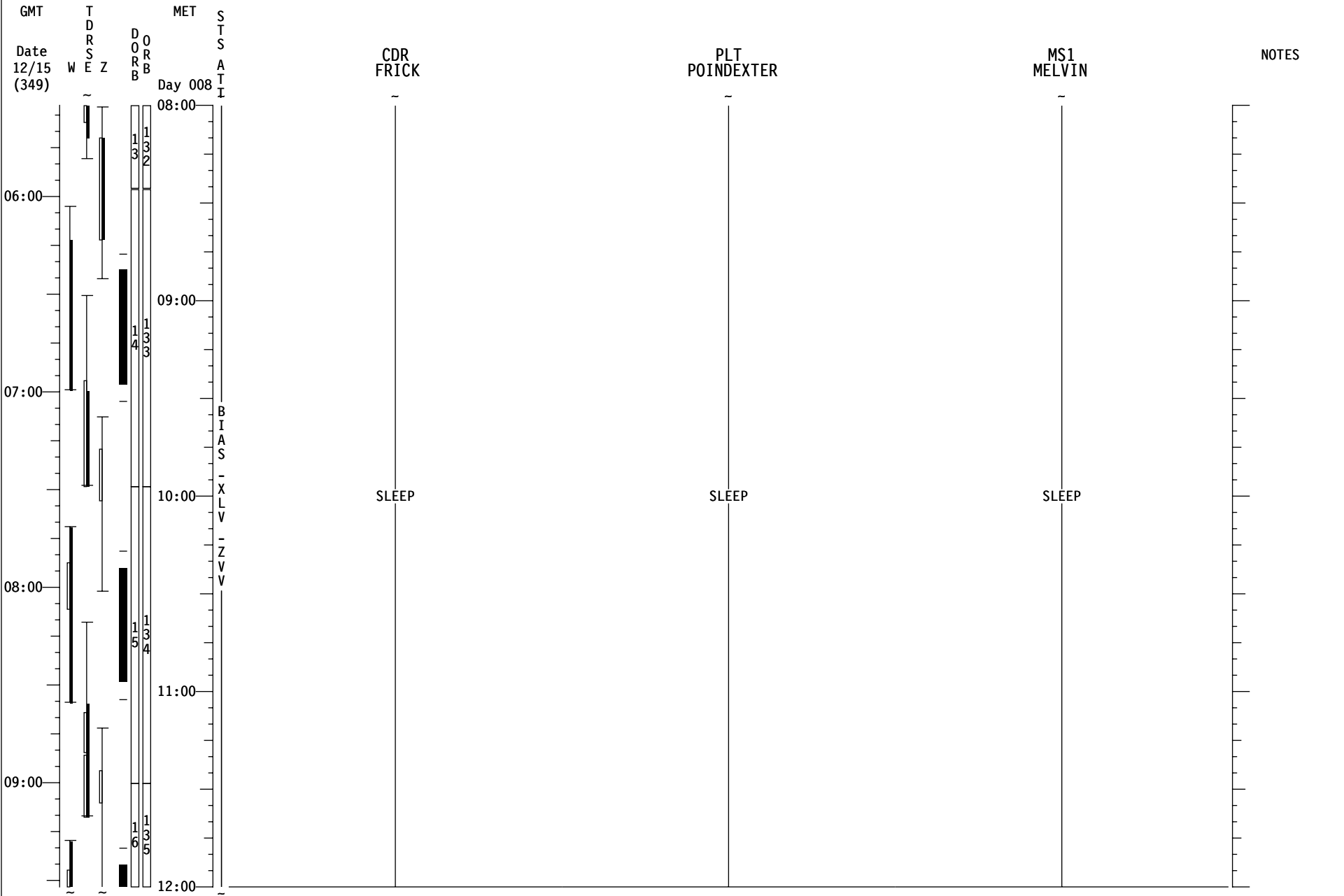
STS-122 FD (09)



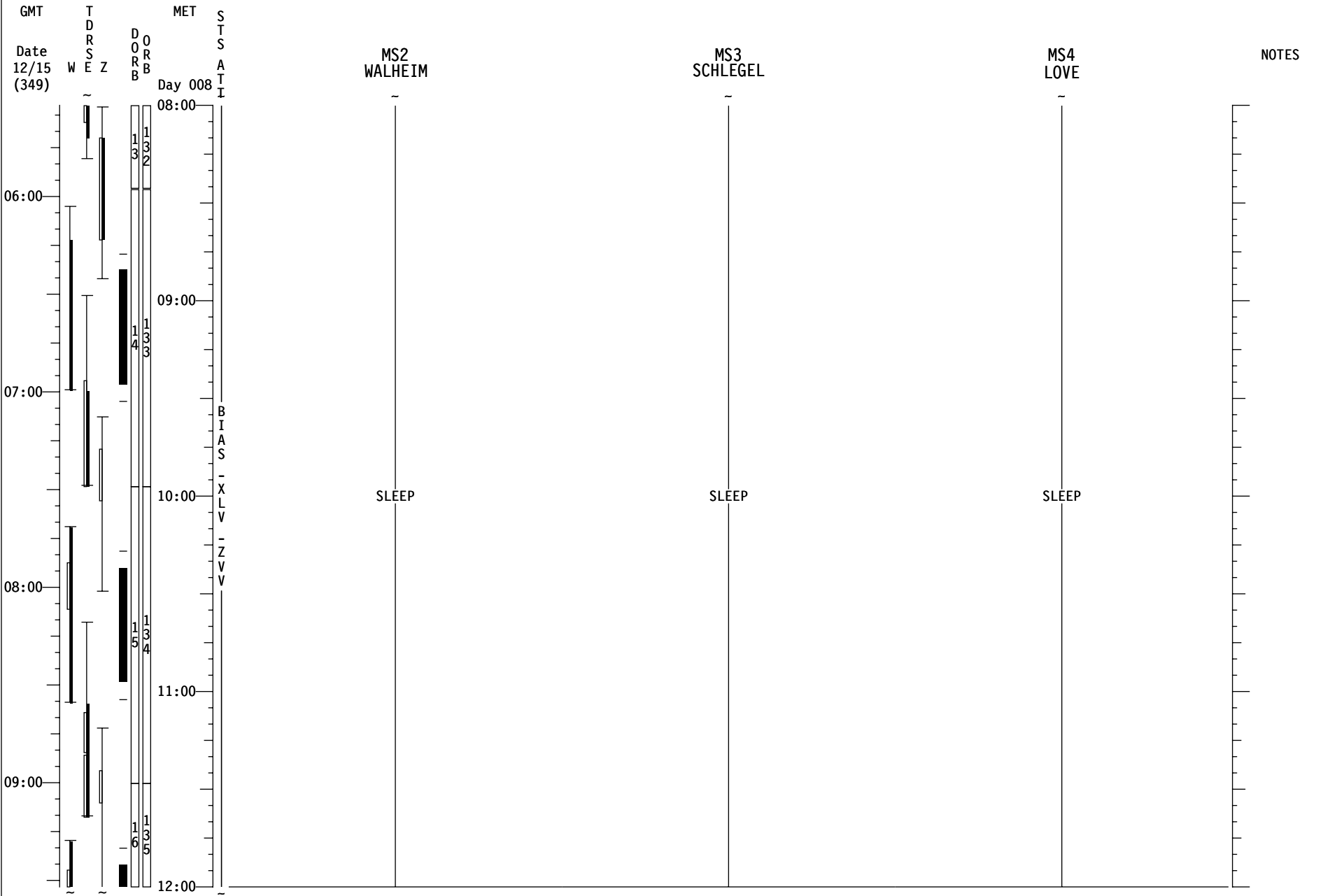
STS-122 FD (09)



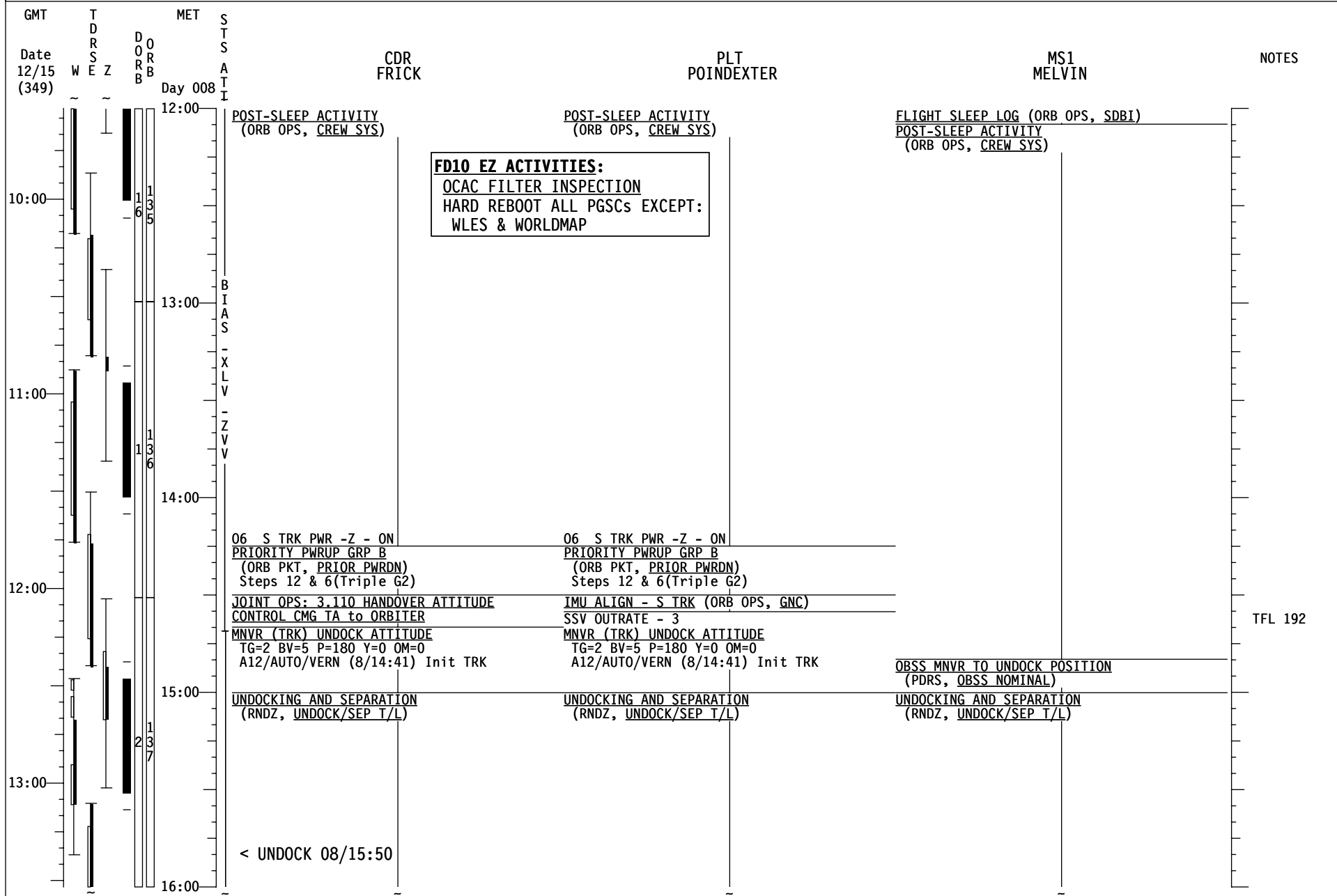
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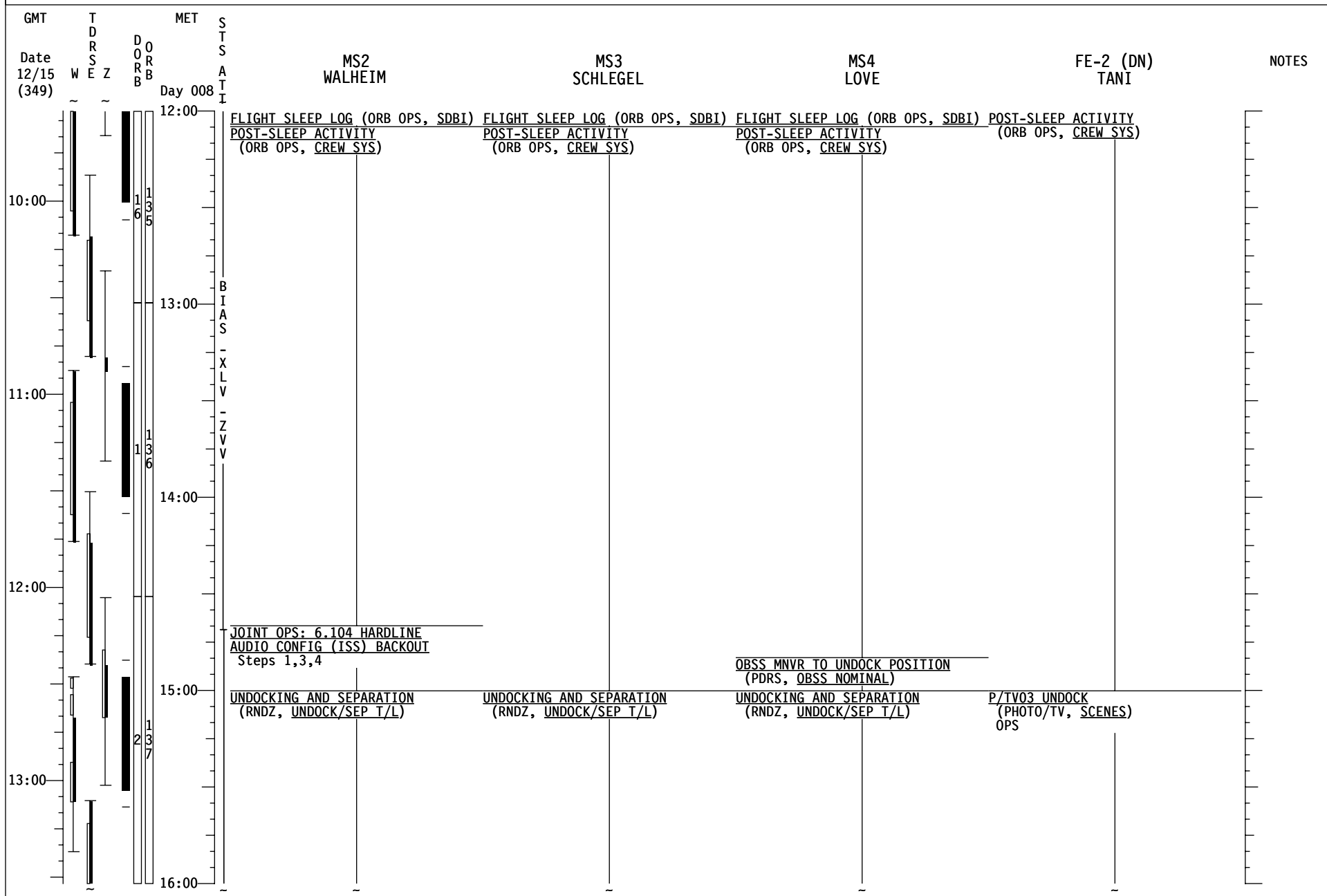
STS-122 FD (09)



STS-122 FD (10)



STS-122 FD (10)



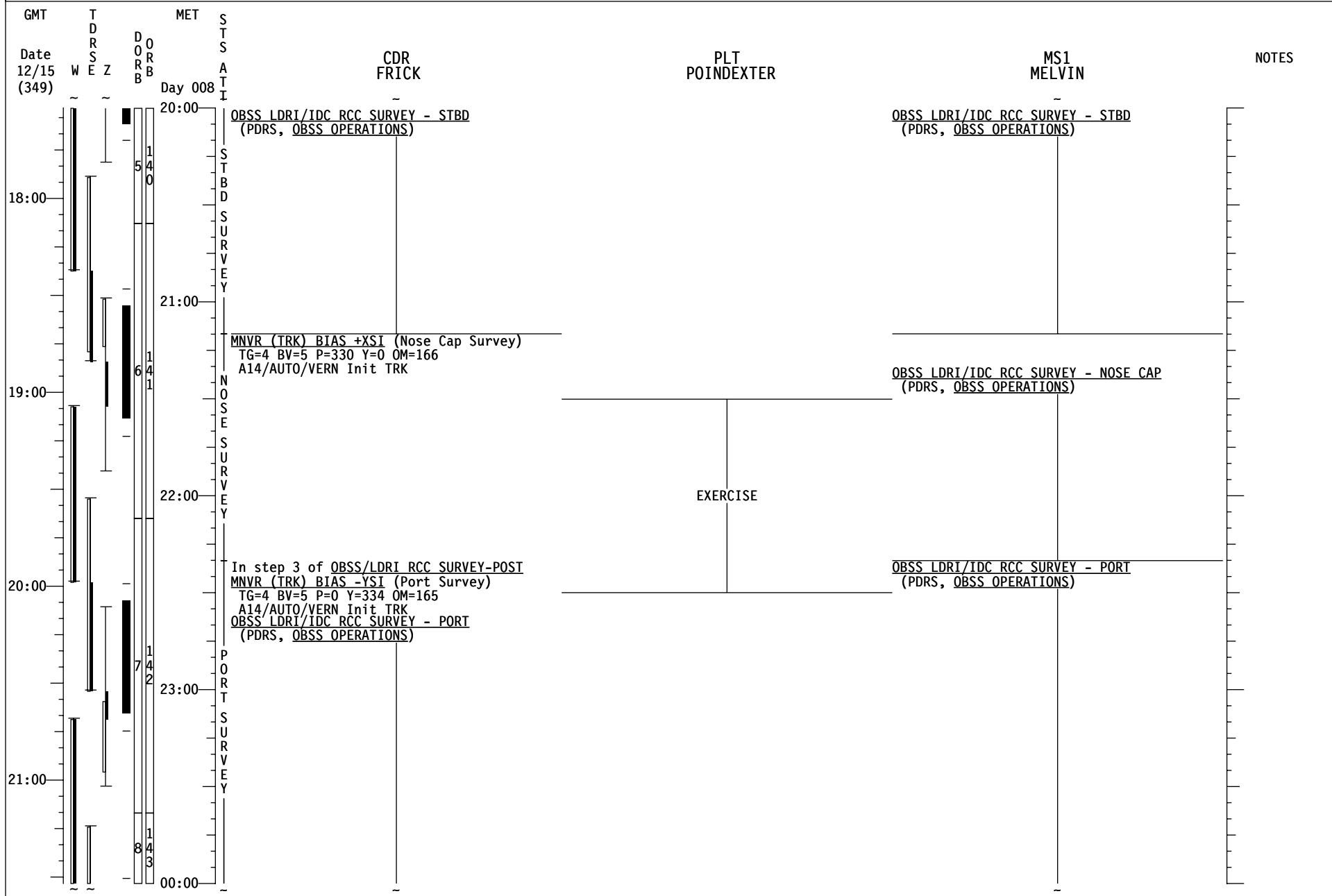
STS-122 FD (10)

GMT	TDRSEZ	MET	SATS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/15 (349)	W E Z	Day 008	DOORB				
16:00			UNDOCK	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
14:00			FLYAROUND	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	UPLINK β21 Only Box 90
17:00			SEP/FLYAROUND	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
15:00			MNVR (TRK) BIAS -ZLV +YVV	TG=2 BV=3 OM=270 A6/AUTO/ALT Init TRK	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12	P/TV03 UNDOCK (PHOTO/TV, SCENES) Deactivation	UPLINK β21 + Mask
18:00			SUPPLY/WASTE WATER DUMP	(ORB OPS, ECLS) Initiate Supply/Waste Dump	HEATER RECONFIG-CONFIG B (ORB OPS, EPS) CABIN TEMP CONTROLLER RECONFIG 2(1) (ORB OPS, ECLS) L17 Check MCIU filter screen	JOINT OPS: 6.106 SSOR DEACTIVATION	
16:00			MEAL	MEAL	MEAL	MEAL	
19:00			SUPPLY/WASTE WATER DUMP	(ORB OPS, ECLS) Terminate Supply/Waste Dump	COMM STRING 1 C/O (PART A) (ORB OPS, COMM/INST)		
17:00			OBSS MNVR TO FLAT FIELD POSITION	(PDRS, OBSS NOMINAL)	MNVR (TRK) BIAS +YSI (STBD Survey) TG=4 BV=5 P=0 Y=40 OM=333 A14/AUTO/VERN Init TRK	OBSS MNVR TO FLAT FIELD POSITION (PDRS, OBSS NOMINAL)	
20:00			OBSS LDRI/IDC RCC SURVEY - STBD	(PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	

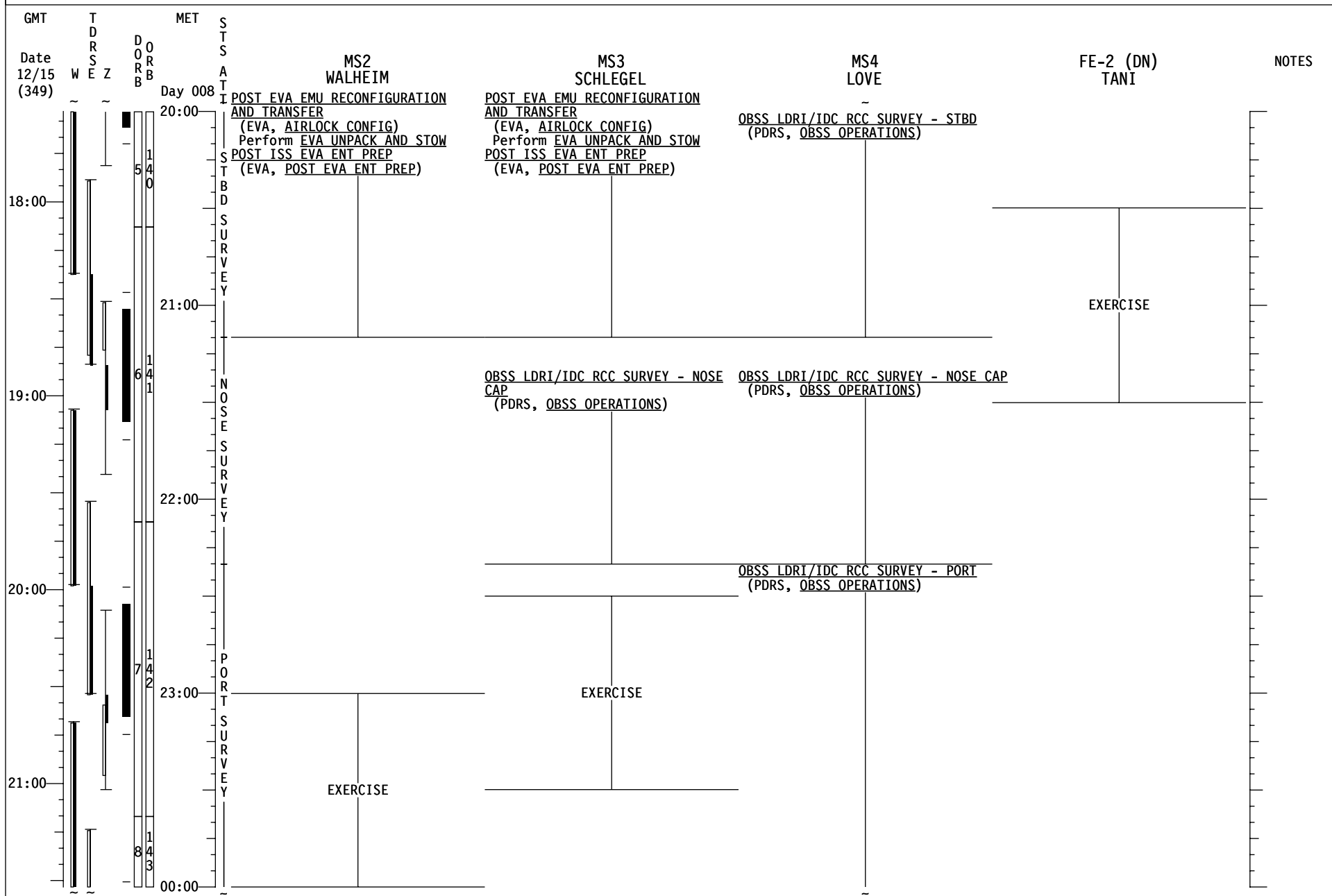
STS-122 FD (10)

GMT	TDRSEZ	MET	SATS	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (DN) TANI	NOTES
Date 12/15 (349)	W E Z	Day 008	DOORB					
16:00			UNDOCK	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) OPS	
14:00			FLYAROUND	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)		
17:00			SEP/FLYAROUND	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		
15:00			PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12			ENABLE WLES FILE BACKUP(ORB OPS, WLES) POST UNDOCK PGSC CONFIG Configure PGSCs per Usage Chart		
18:00			SSV OUTFATE - 4 SSP1 OIU PWR - OFF (tb-bp) Expect S62 BCE BYP PSP 1	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) Undocking Video KU TDRE (17:47-18:02)				TFL 188
16:00			MEAL	MEAL	MEAL	MEAL	MEAL	
19:00			EMU INSTALLATION (EVA, AIRLOCK CONFIG)	EMU INSTALLATION (EVA, AIRLOCK CONFIG)	SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform TEARDOWN			
17:00			POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Perform EVA UNPACK AND STOW	POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Perform EVA UNPACK AND STOW	OBSS MNVR TO FLAT FIELD POSITION (PDRS, OBSS NOMINAL)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		
20:00								

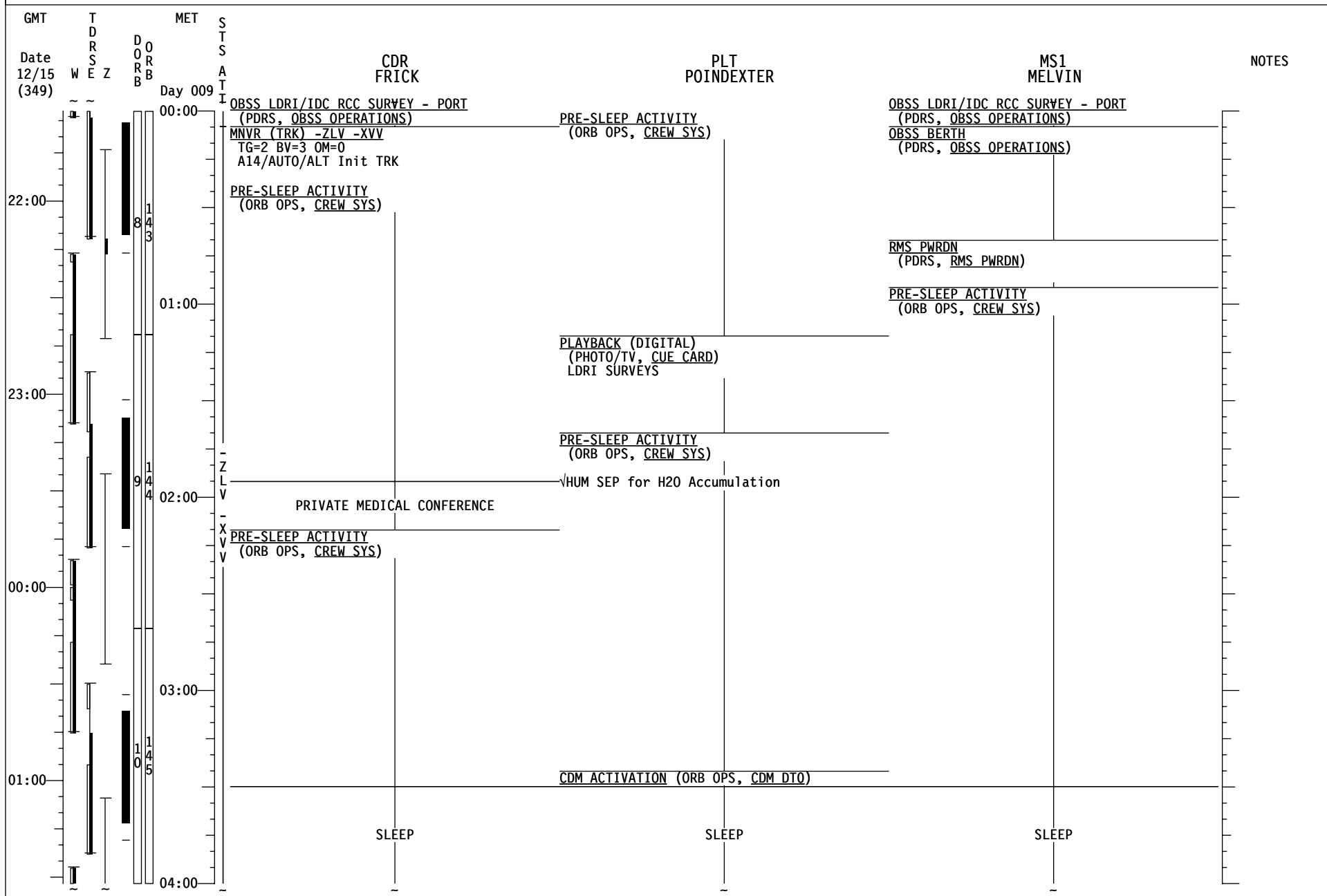
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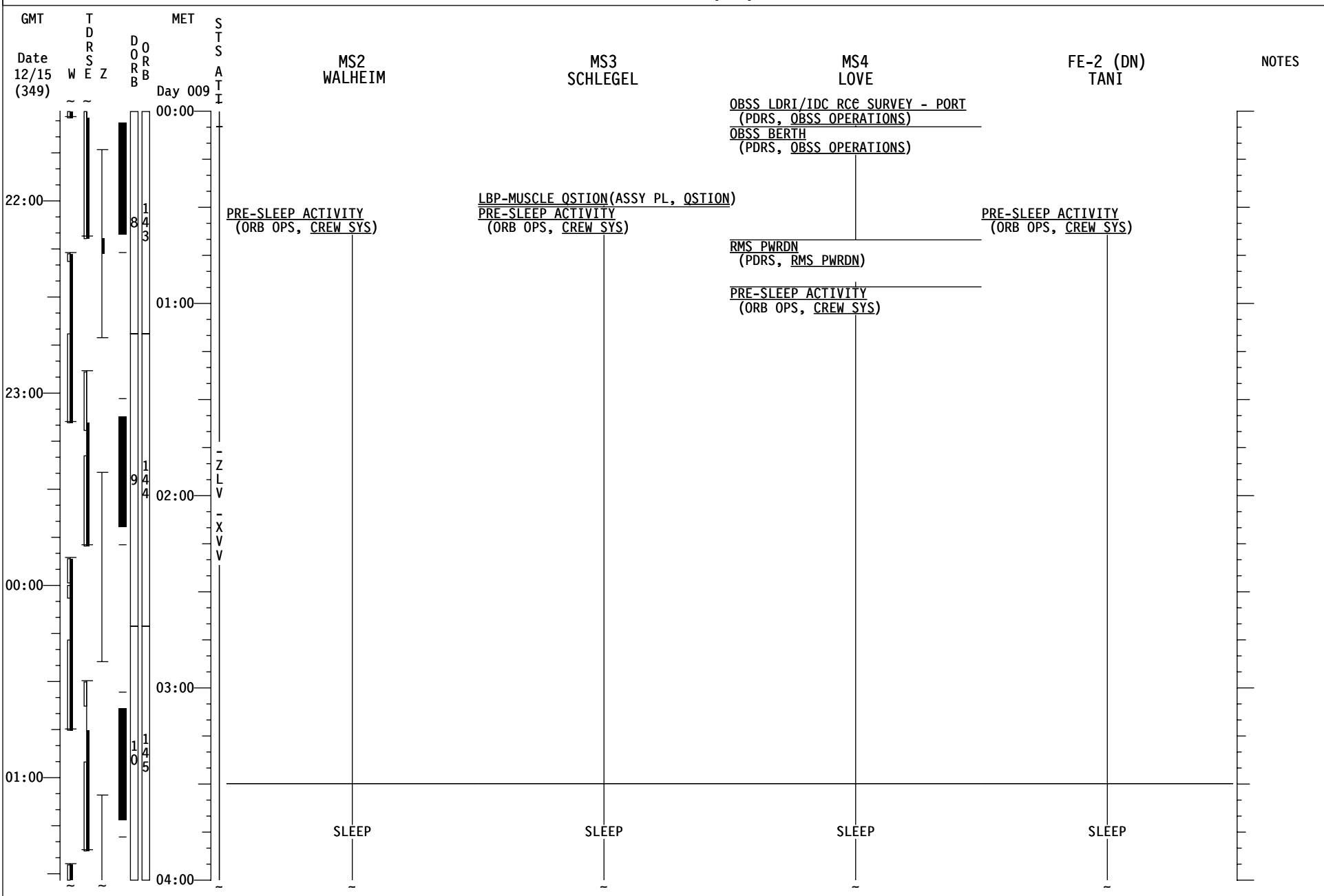
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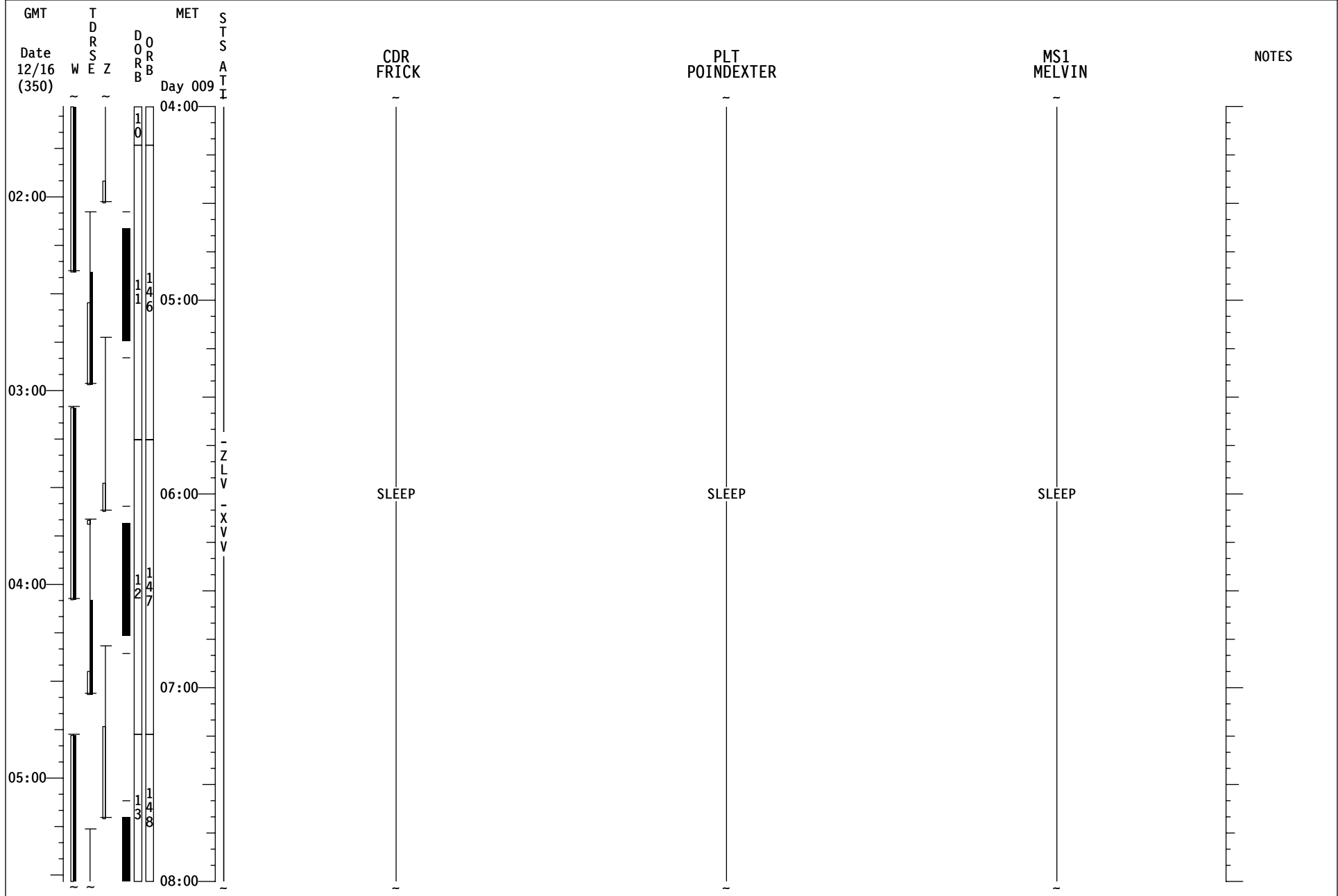
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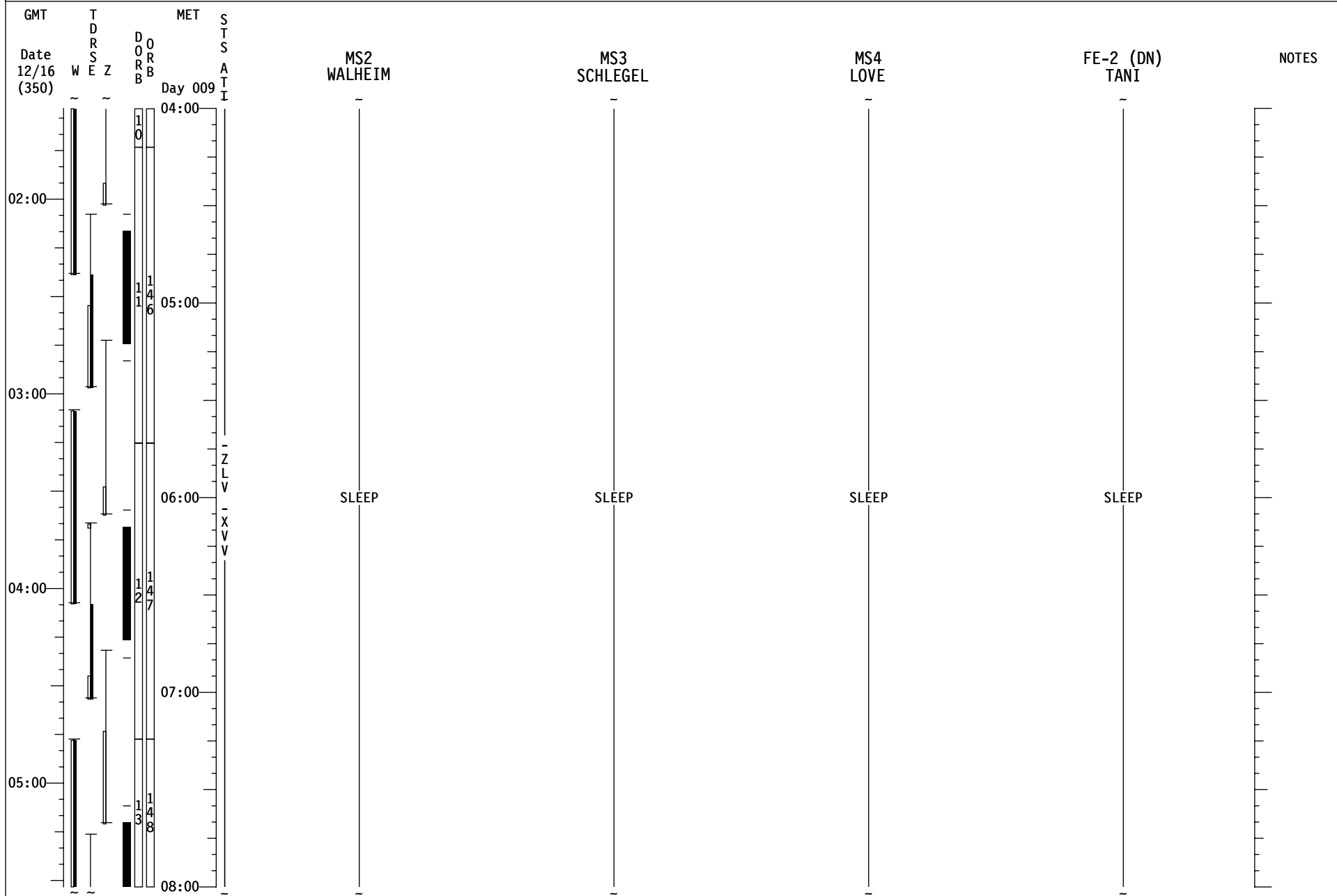
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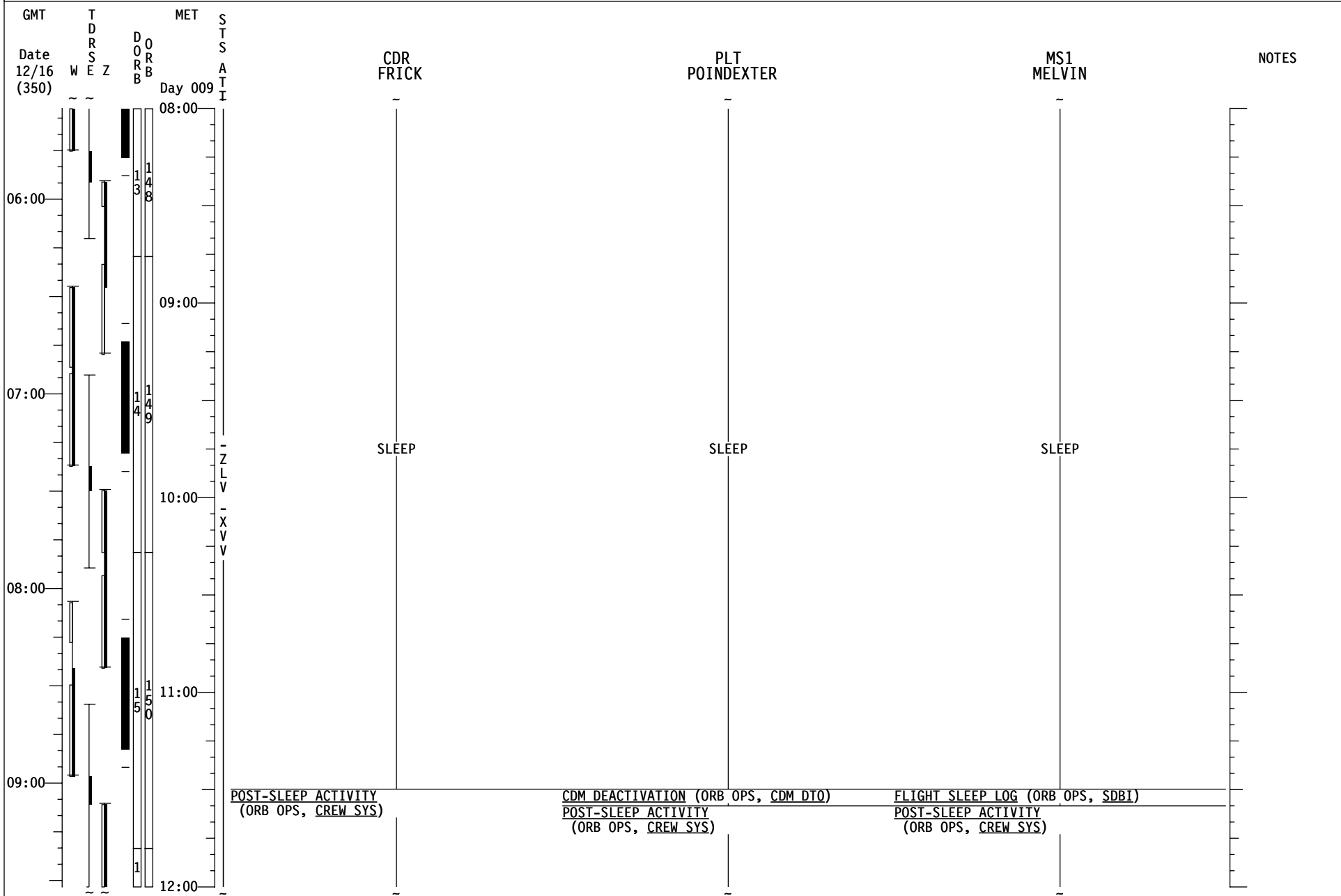
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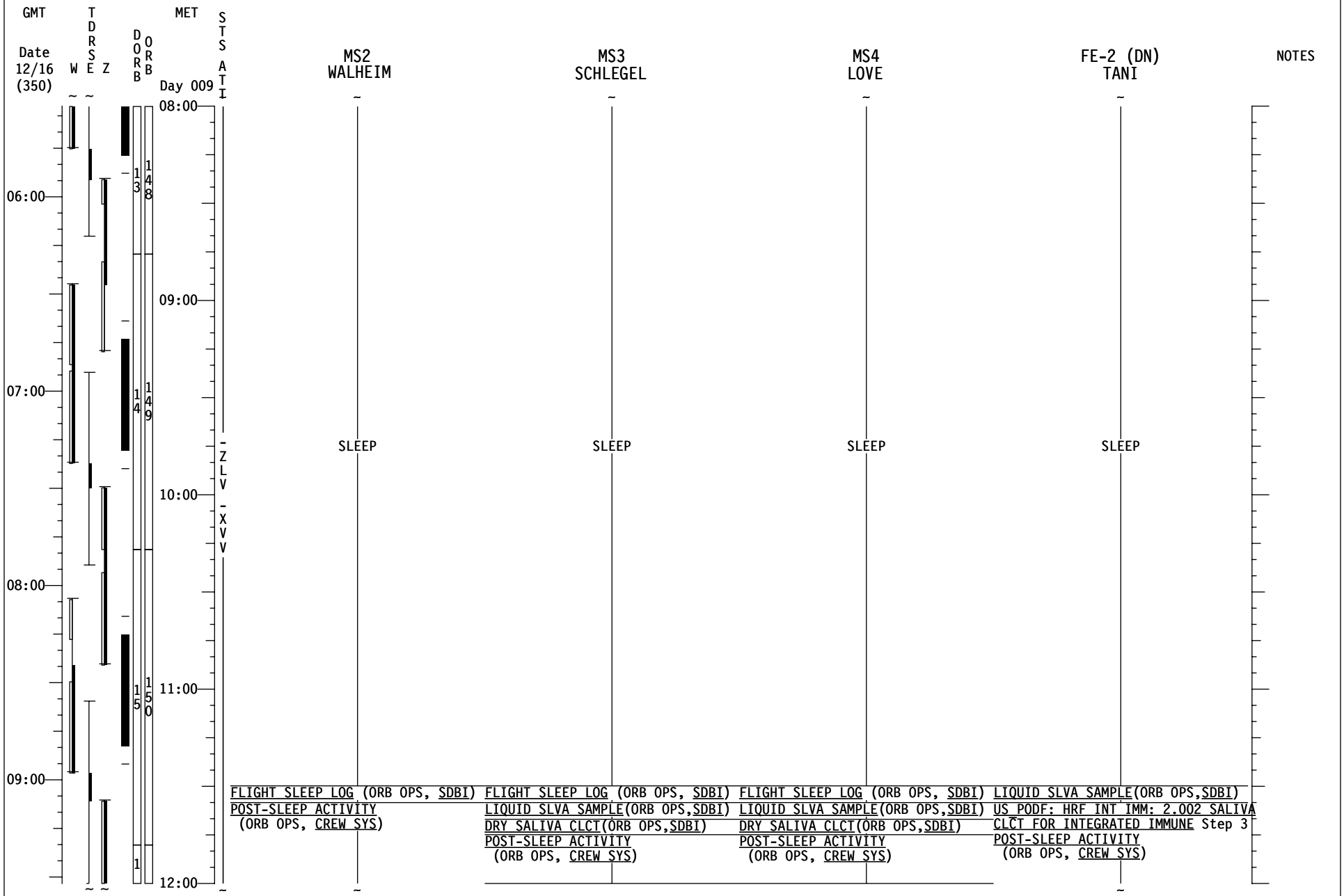
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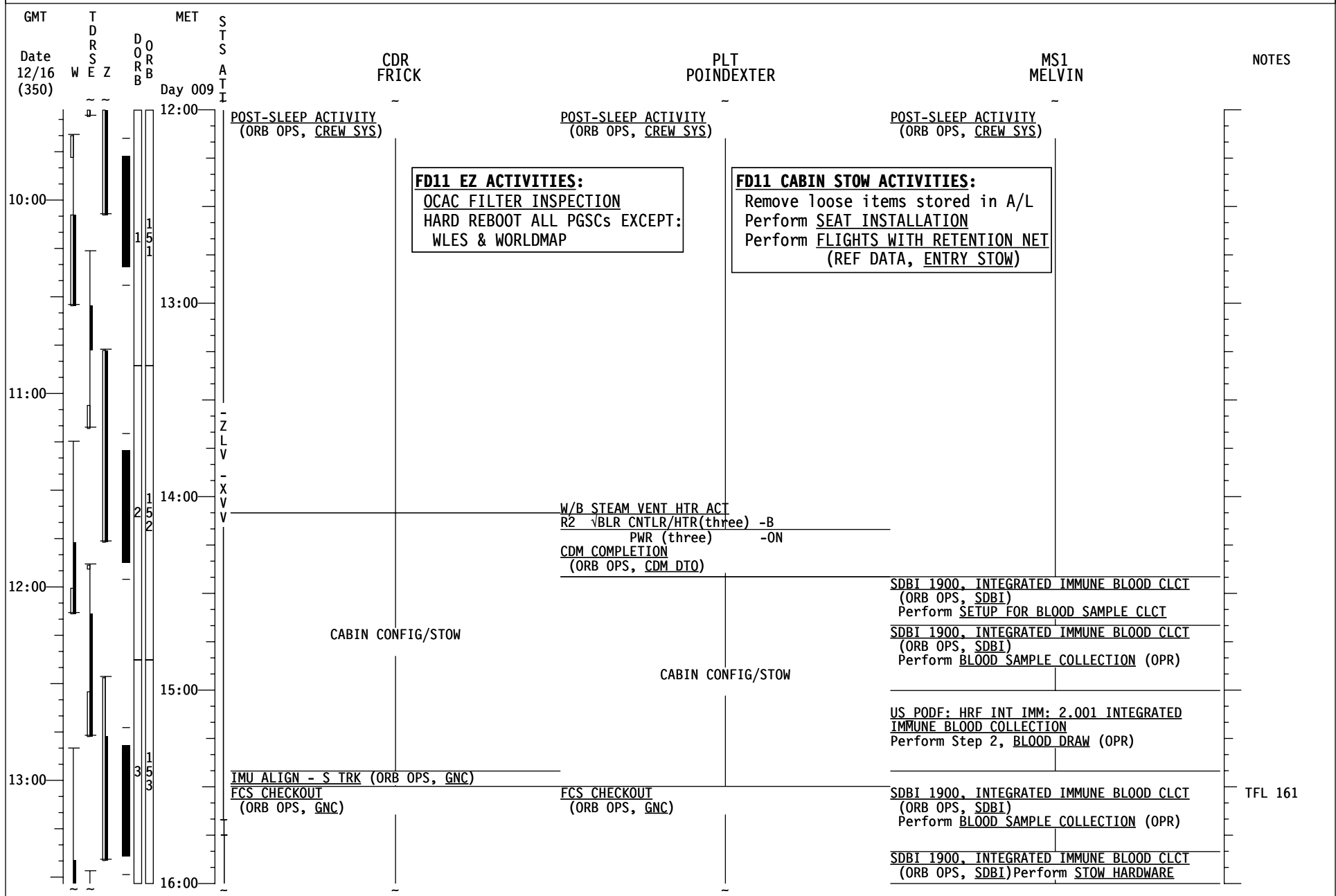
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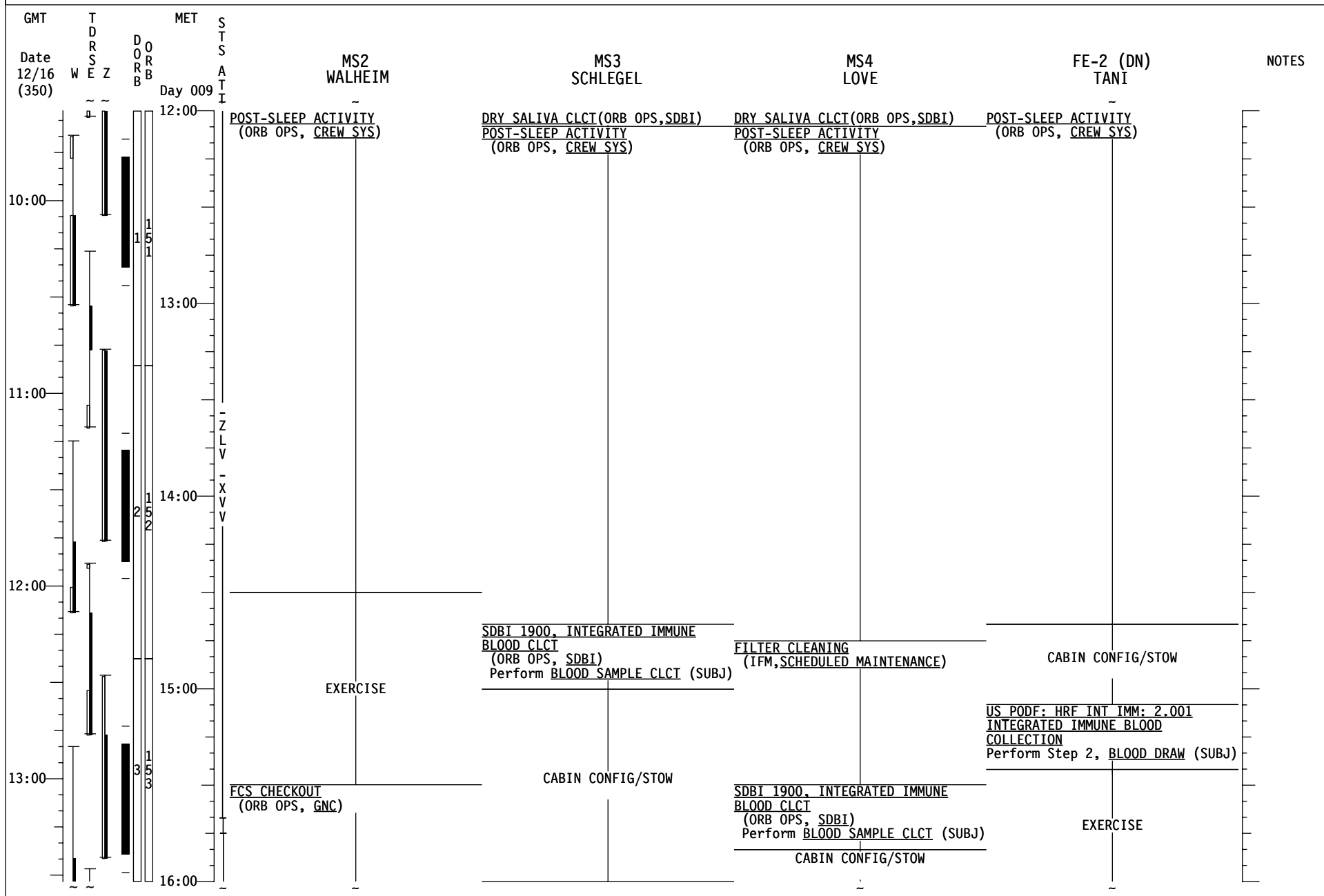
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STS-122 FD (11)



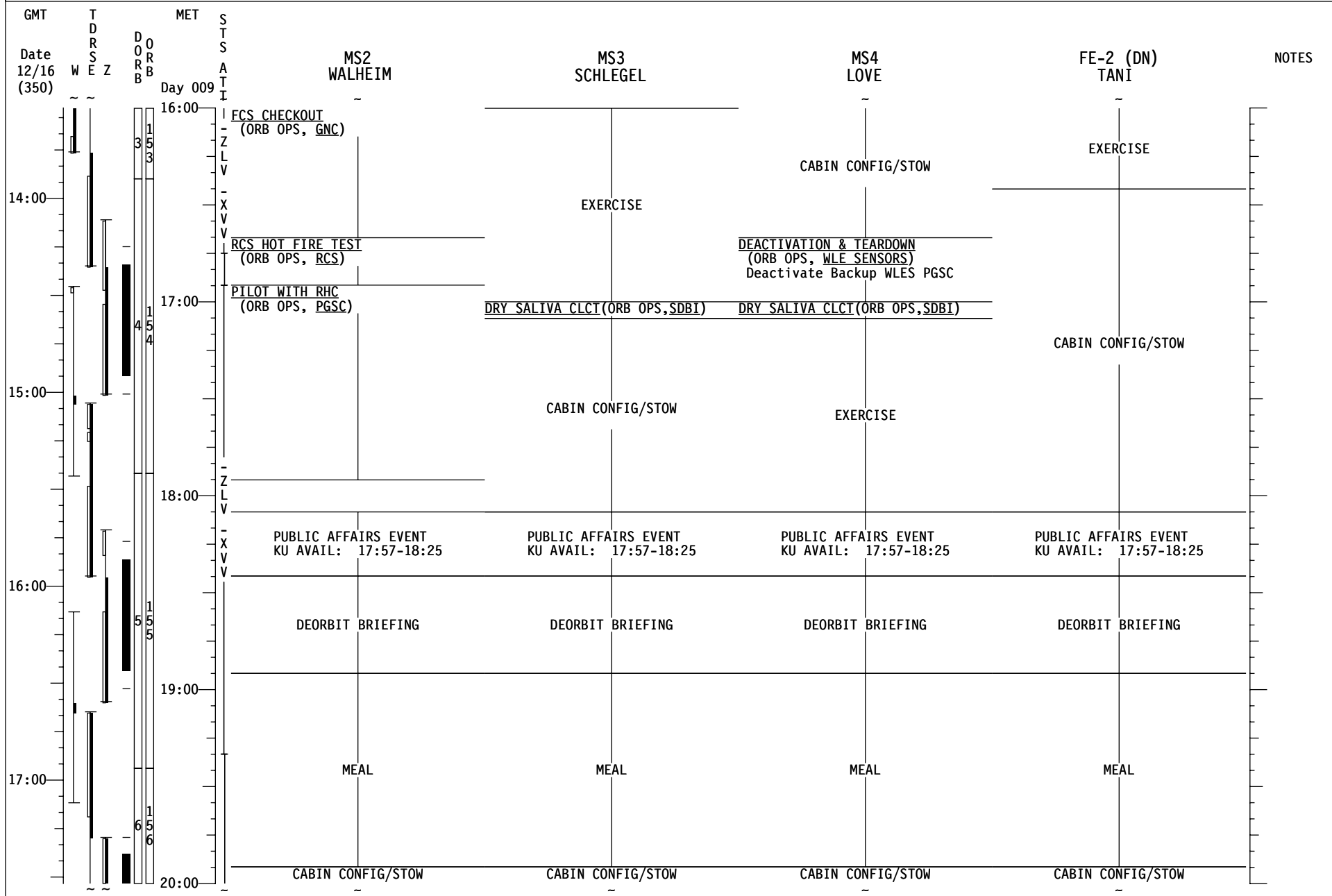
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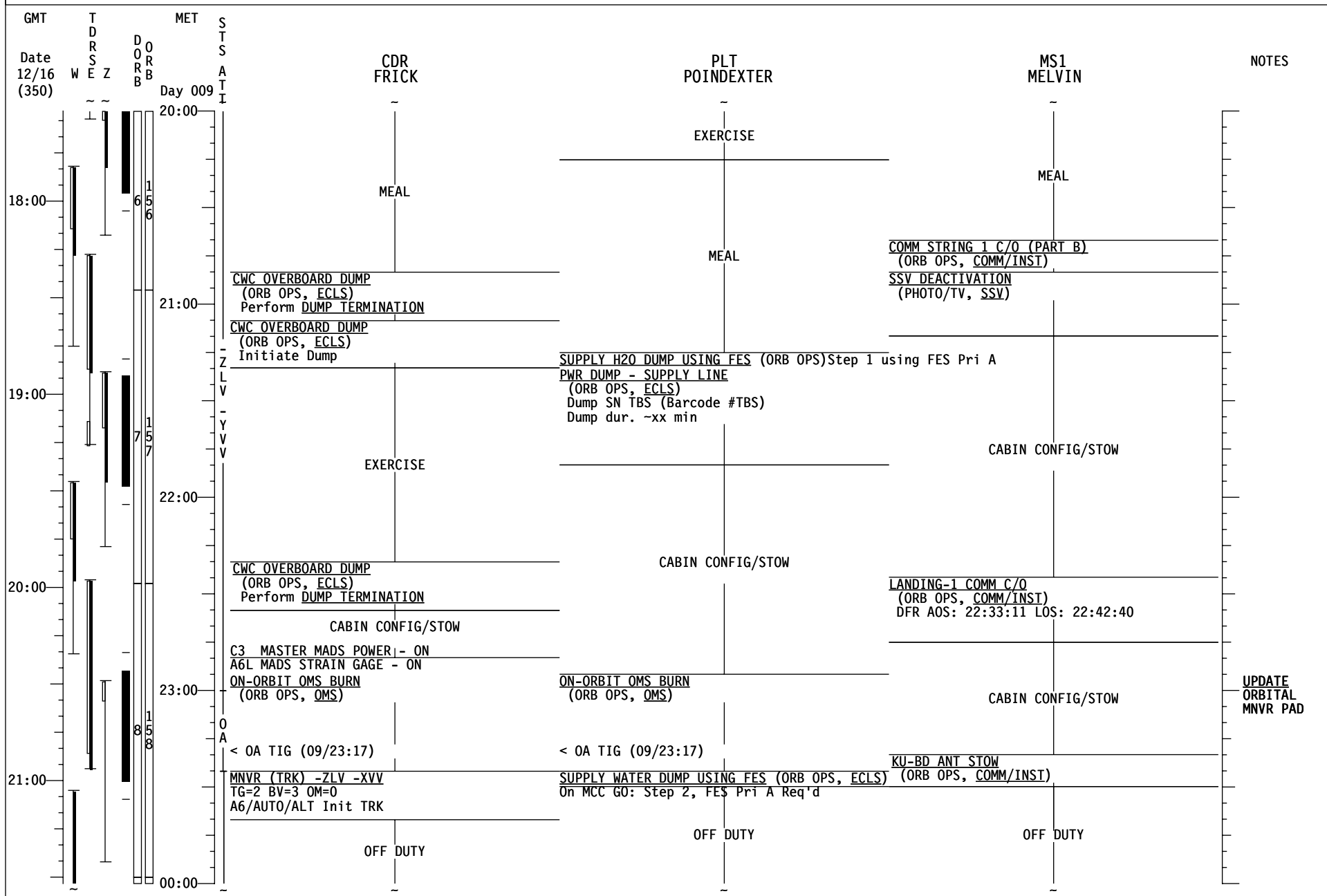
STS-122 FD (11)

GMT	TDRSZ	MET	STS	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
Date 12/16 (350)	W E Z	Day 009	S A T I				
16:00			I Z L V	<u>FCS CHECKOUT</u> (ORB OPS, GNC)	<u>FCS CHECKOUT</u> (ORB OPS, GNC)	CABIN CONFIG/STOW	
14:00			X V V	<u>RCS HOT FIRE TEST</u> (ORB OPS, RCS)	<u>RCS HOT FIRE TEST</u> (ORB OPS, RCS)		
17:00				<u>PILOT WITH RHC</u> (ORB OPS, PGSC)	<u>PILOT WITH RHC</u> (ORB OPS, PGSC)	EXERCISE	TFL 188
15:00						CABIN CONFIG/STOW	
18:00			Z L V			<u>ANALOG PAO CC</u> (PHOTO/TV, SONY PD100)	
16:00			X V V	PUBLIC AFFAIRS EVENT KU AVAIL: 17:57-18:25	PUBLIC AFFAIRS EVENT KU AVAIL: 17:57-18:25	PUBLIC AFFAIRS EVENT KU AVAIL: 17:57-18:25	
19:00				DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	
17:00				CABIN CONFIG/STOW	<u>ENTRY VIDEO SETUP</u> (PHOTO/TV, MINI-CAM)	CABIN CONFIG/STOW	
20:00				<u>MNVR (TRK) -ZLV -YVV</u> (Water Dump) TG=2 BV=3 OM=70 A6/AUTO/ALT Init TRK <u>CWC OVERBOARD DUMP</u> (ORB OPS, ECLS) Initiate Dump	EXERCISE	<u>LANDING-1 COMM C/O</u> (ORB OPS, COMM/INST) MLA AOS: 19:31:23 LOS: 19:37:25	
				MEAL		MEAL	

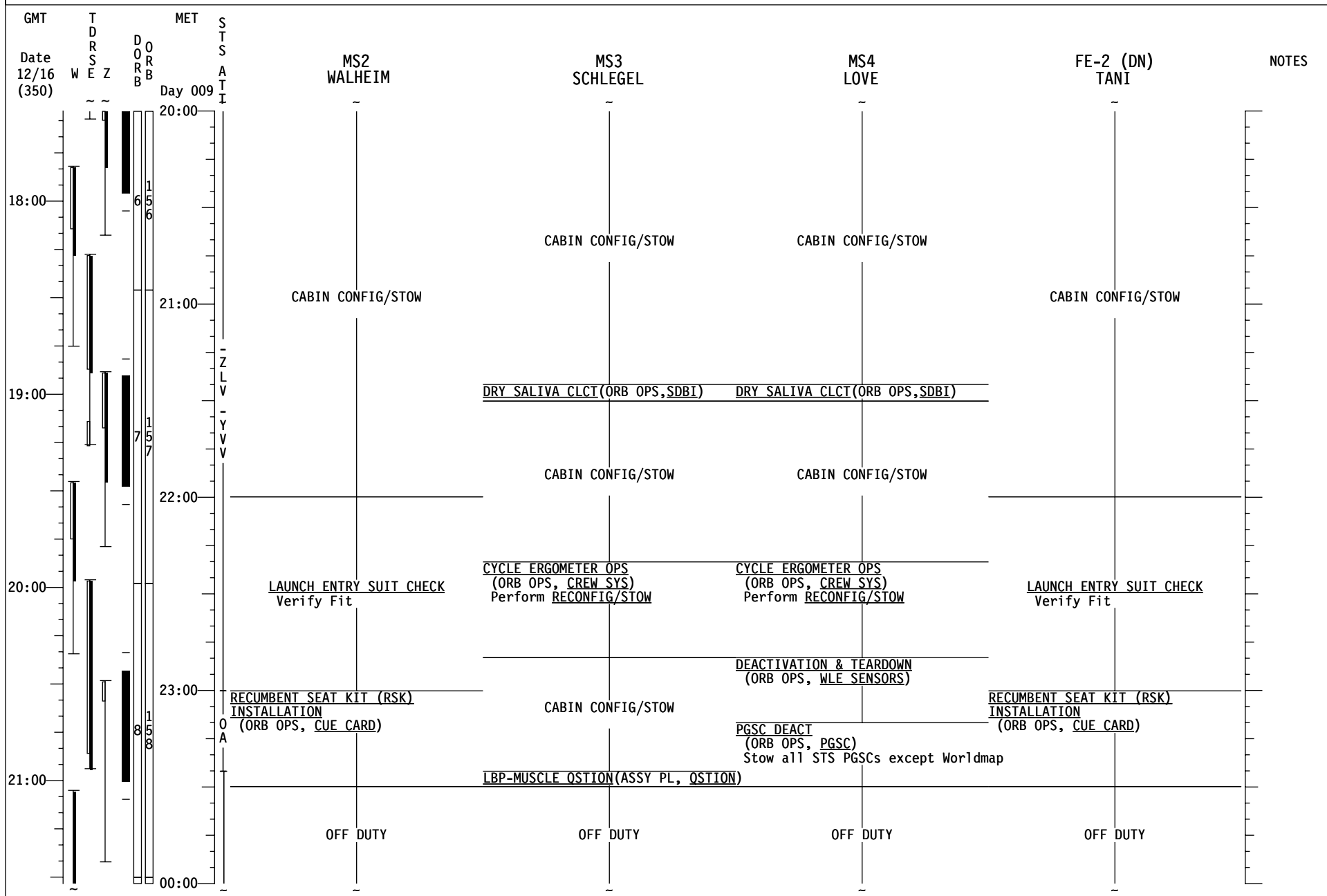
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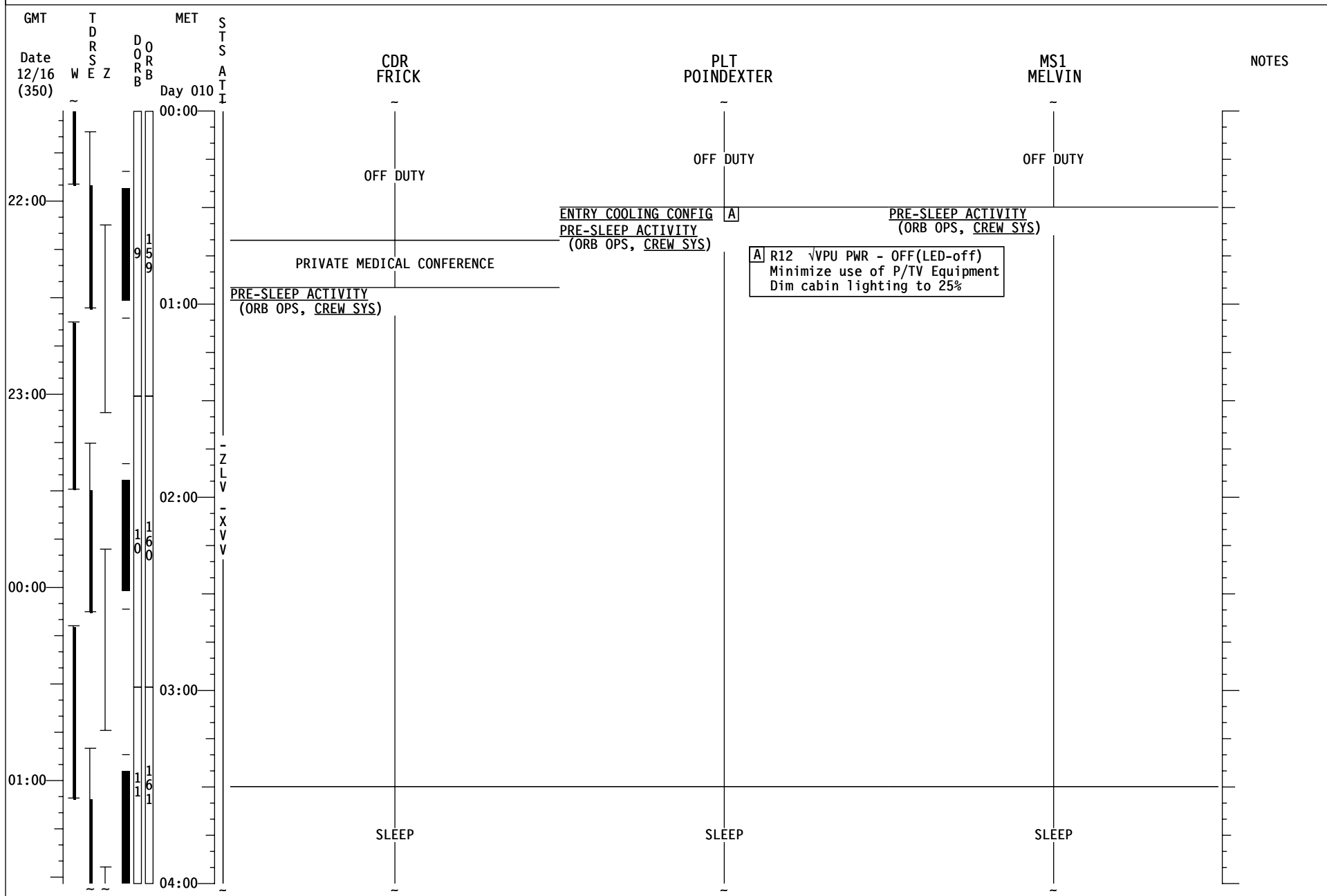
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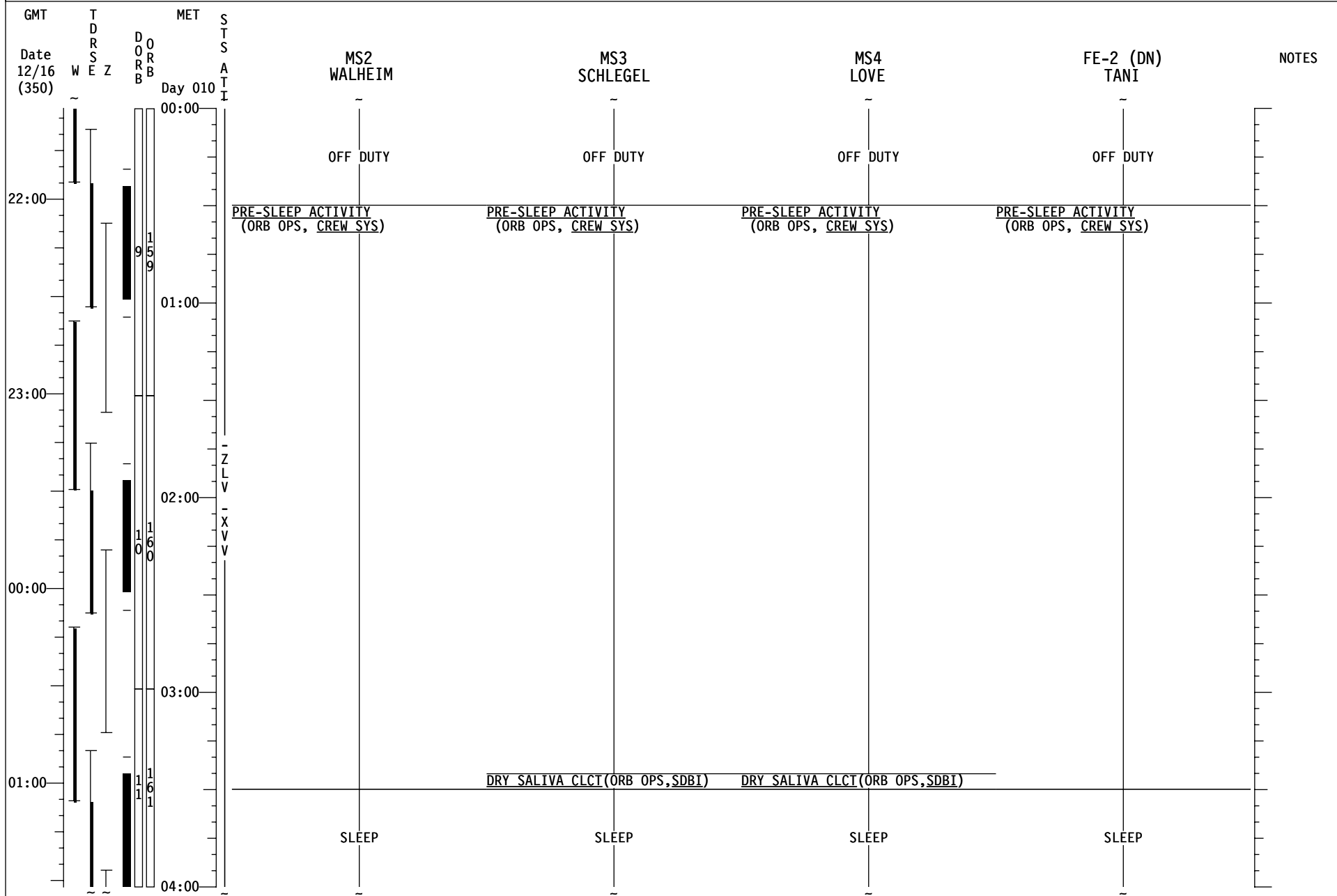
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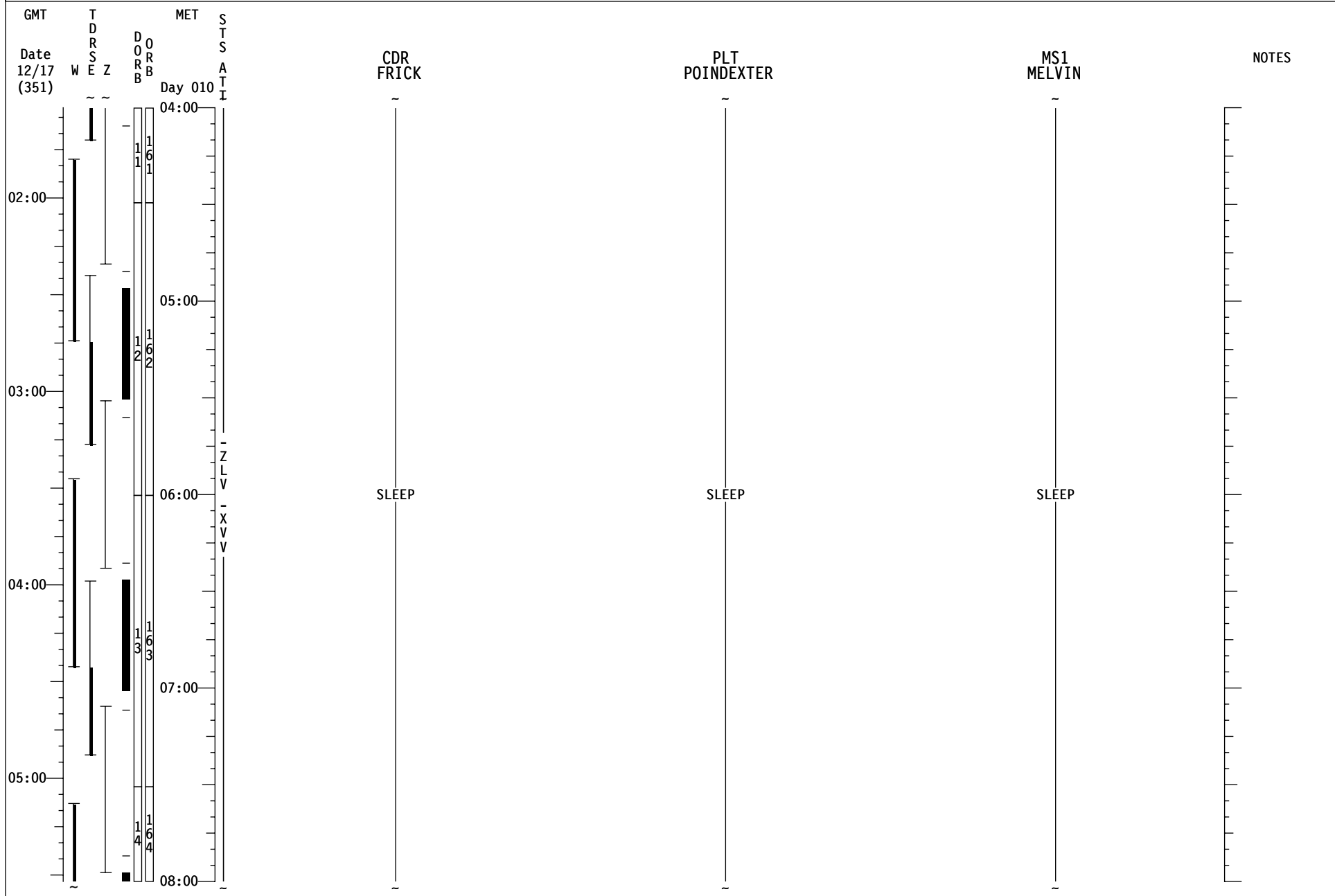
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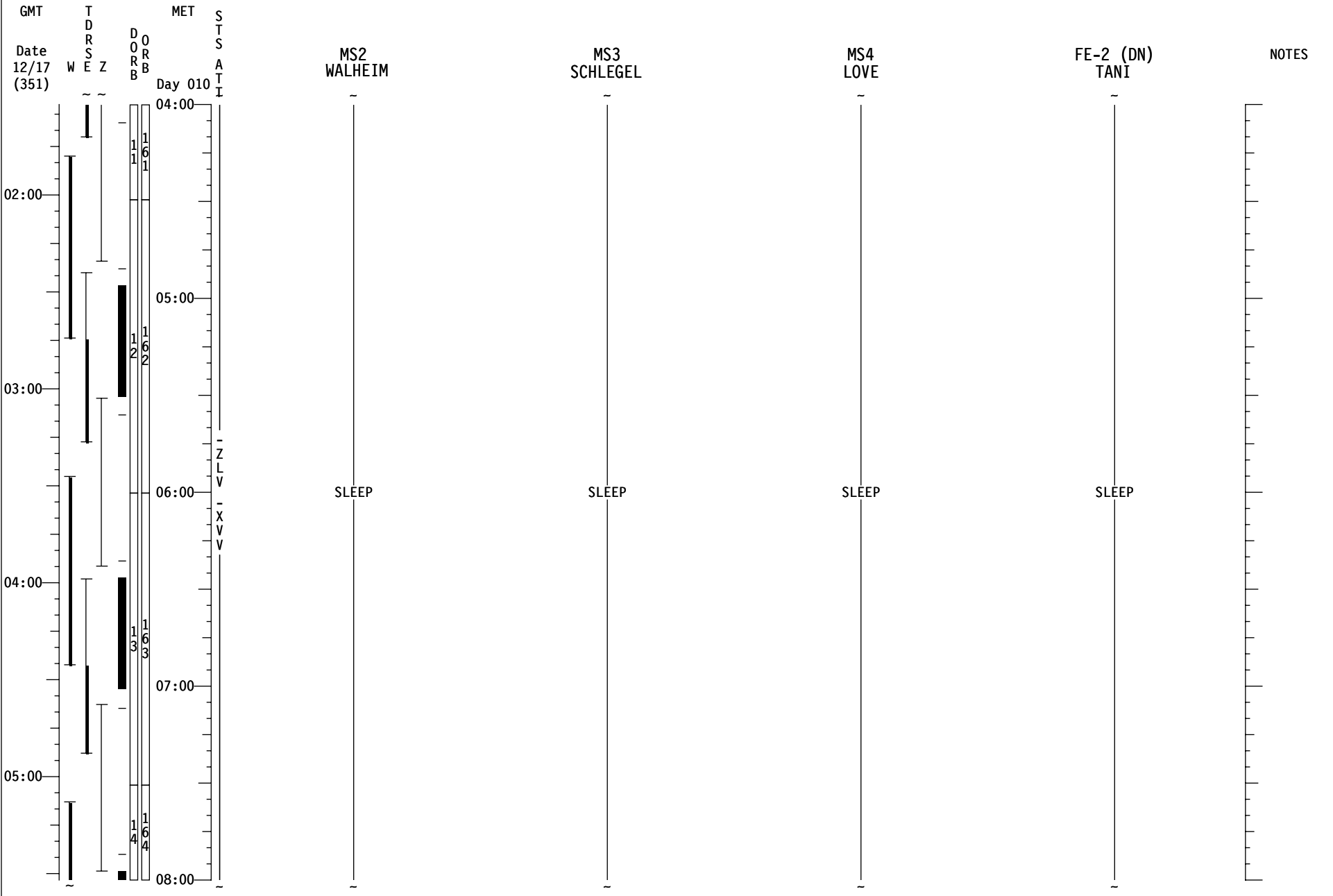
STS-122 FD (11)



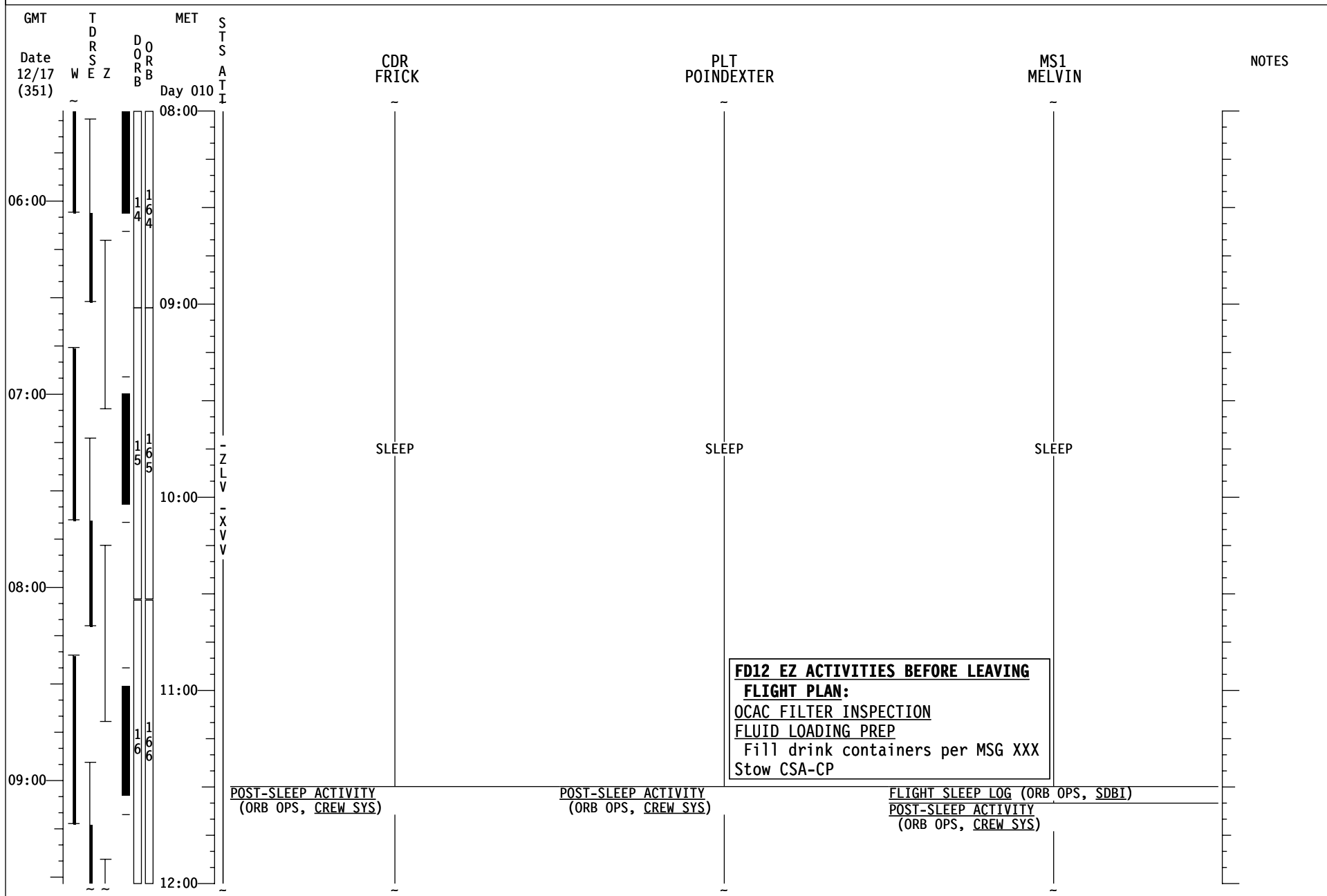
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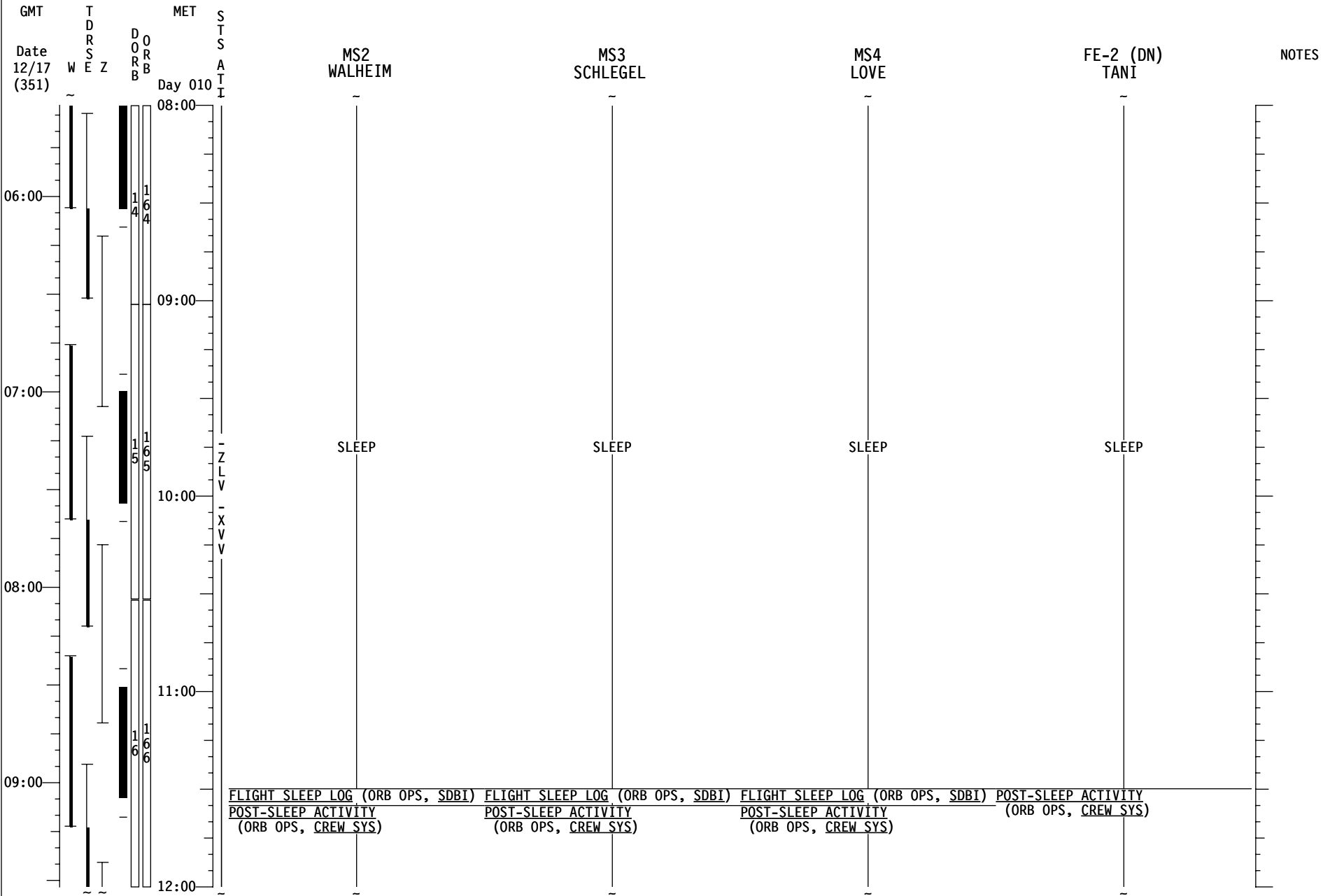
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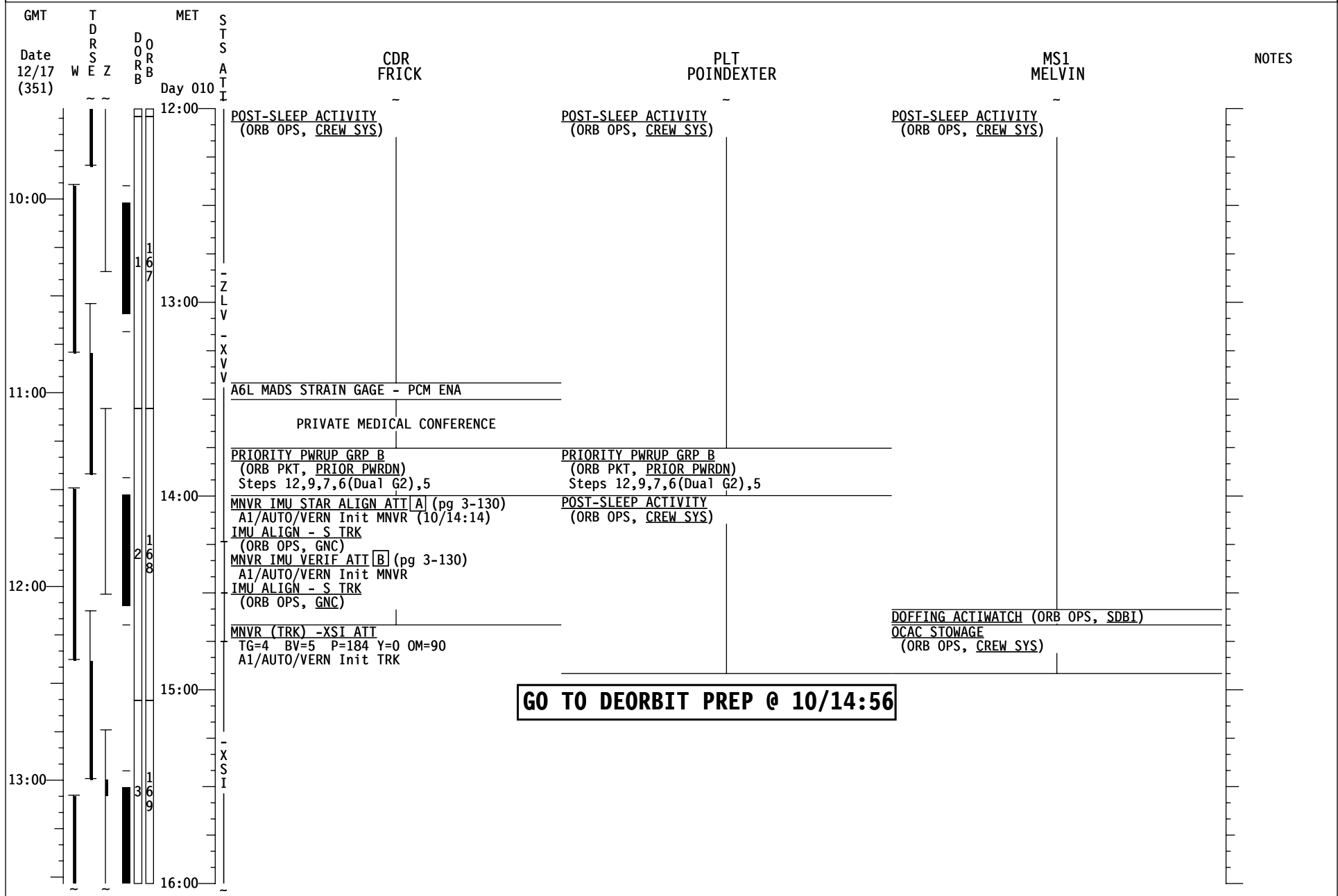
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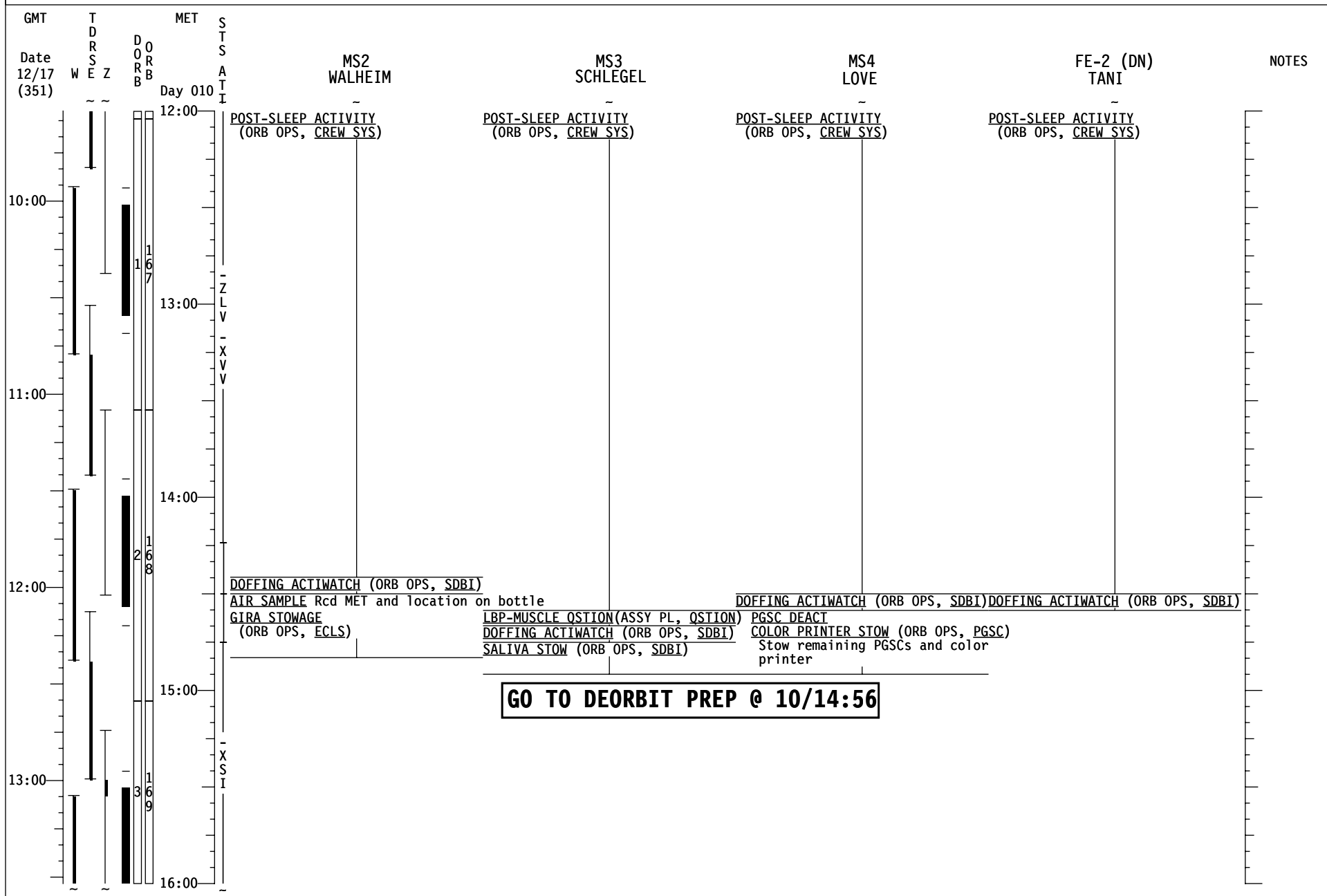
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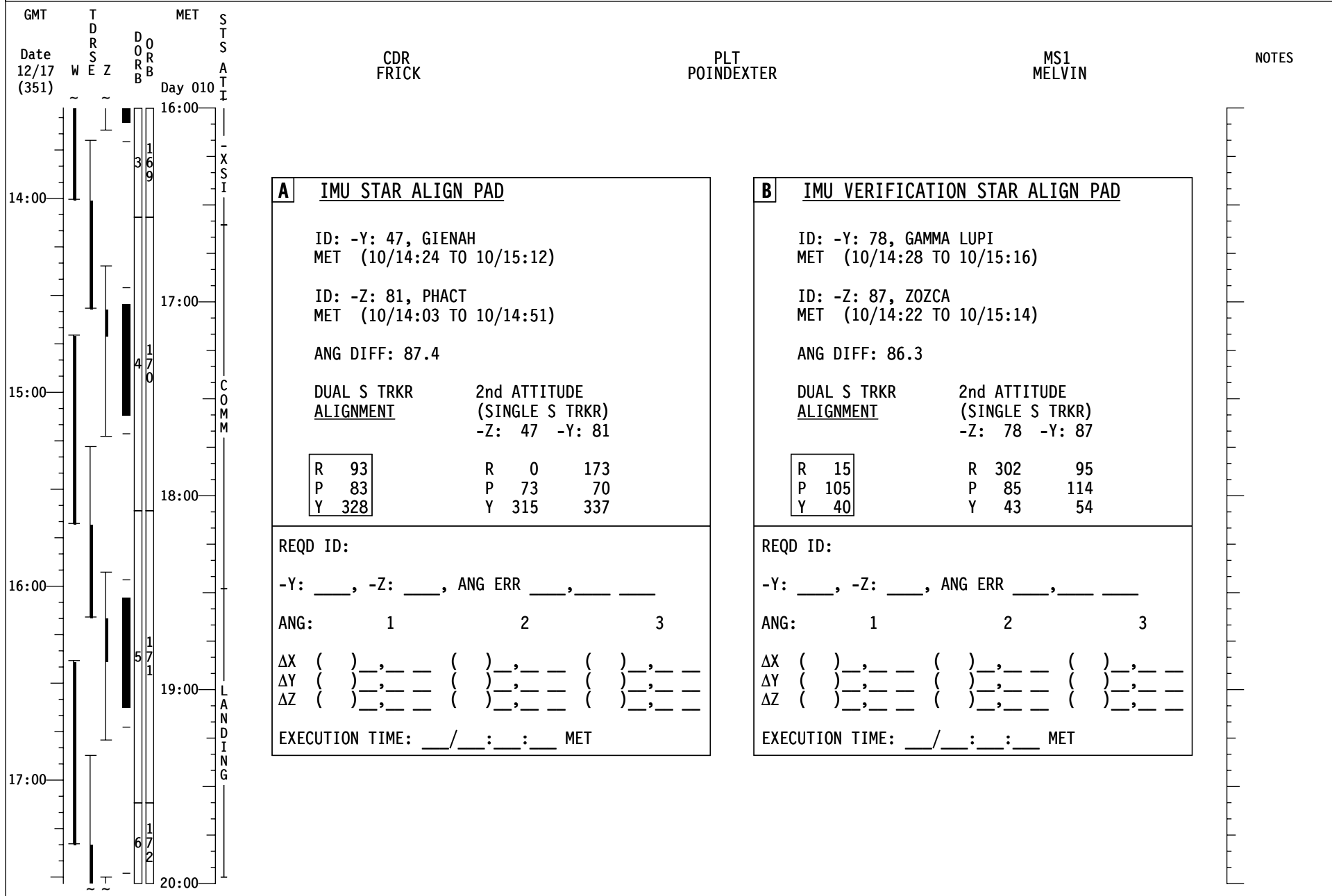
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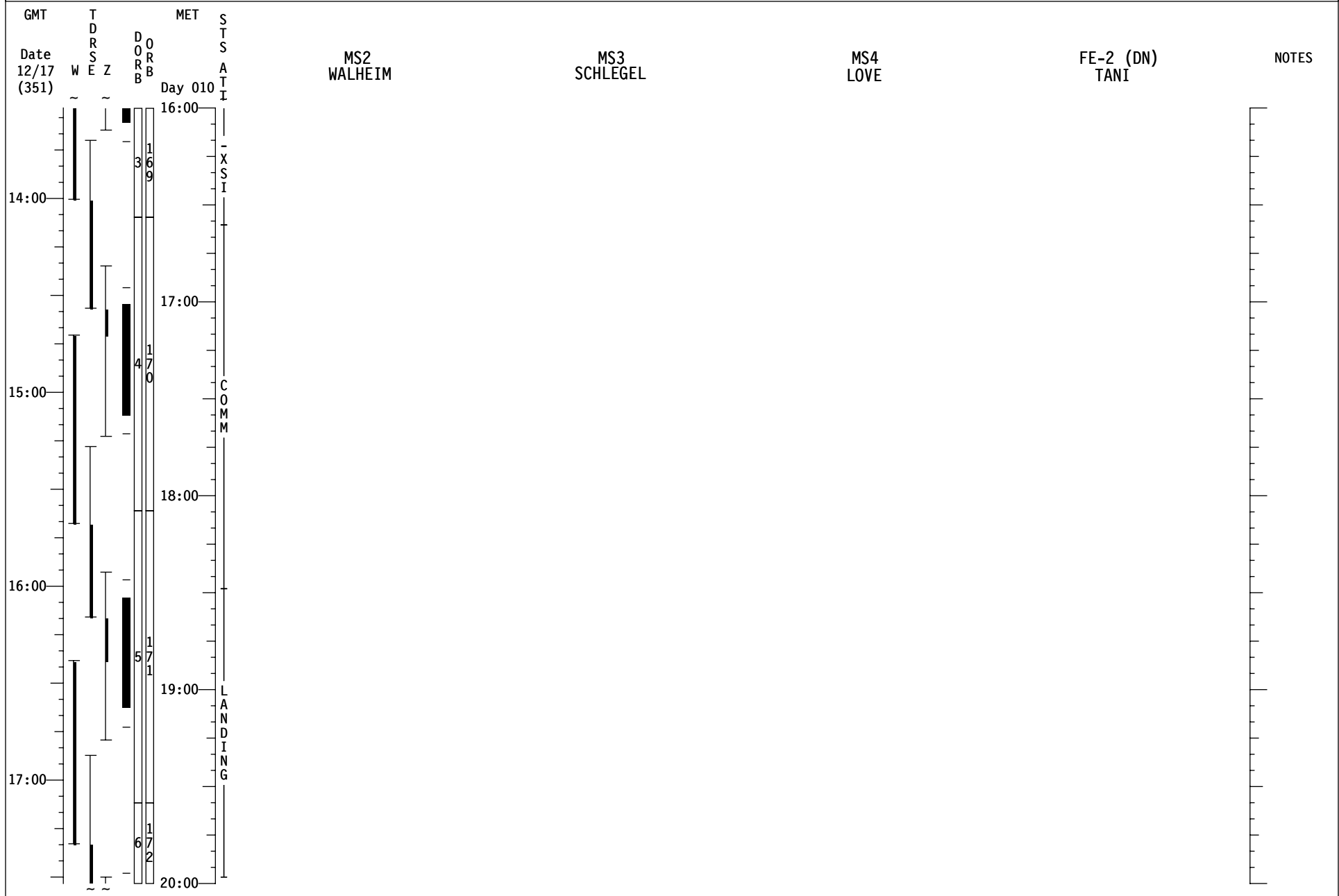
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STS-122 FD (12)



STS-122 FD (12)



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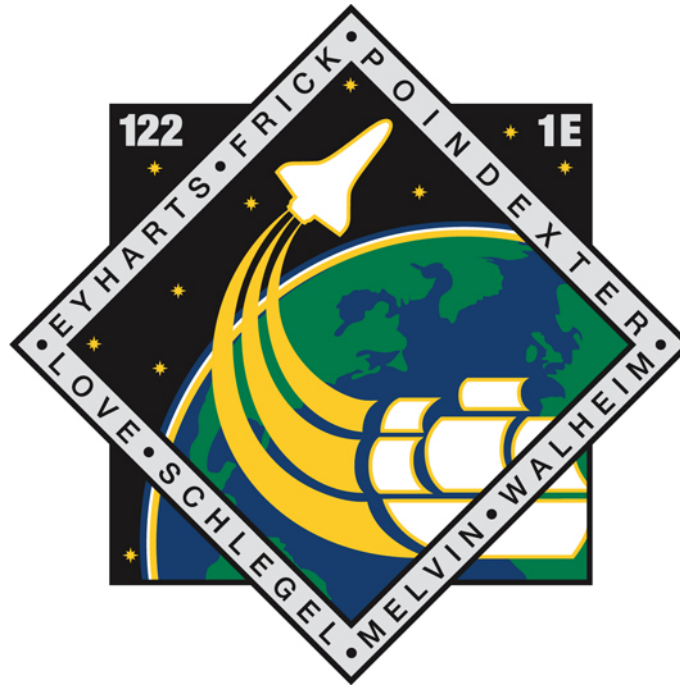
For the latest version of the non-flown sections:

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

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FLIGHT PLAN

**STS
122**