Space Shuttle Program
FLIGHT DATA FILE

JSC-48000-122

Flight Plan

STS-122/1E

(December 6, 2007 Launch Trajectory)

Mission Operations Directorate
Operations Division

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

Final
November 13, 2007

EVENT	FD	MET	LOCAL DATE	CST	GMT
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

This document is under the configuration control of the Crew Procedures Control Board (CPCB). All proposed changes must be submitted via FDF Workflow Crew Procedure Change Request (CR) to DO3/FDF Manager.

Additional distribution of this book, for official use only, may be requested in writing to DO3/PMO Administrator. The request must include justification and requester's name, organization, position, and phone number. Contractor requests are made through the NASA or DOD organization supported. Deletions, reduction in quantity, or change of address may be submitted to DO3/FDF Management Office, 281-244-1184.

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

LIST OF EFFECTIVE PAGES

FINAL 11/13/07

Sign Off	*	122/FIN	3-1		122/FIN
ii	*	122/FIN	3-2		122/FIN
iii	*	122/FIN	3-3		122/FIN
iv	*	122/FIN	3-4		122/FIN
v	*	122/FIN	3-5		122/FIN
vi	*	122/FIN	3-6		122/FIN
1-1		122/FIN	3-7		122/FIN
1-2		122/FIN	3-8		122/FIN
1-3		122/FIN	3-9		122/FIN
1-4		122/FIN	3-10		122/FIN
2-1		122/FIN	3-11		122/FIN
2-2		122/FIN	3-12		122/FIN
2-3		122/FIN	3-13		122/FIN
2-4		122/FIN	3-14		122/FIN
2-5		122/FIN	3-15		122/FIN
2-6		122/FIN	3-16		122/FIN
2-7		122/FIN	3-17		122/FIN
2-8		122/FIN	3-18		122/FIN
2-9		122/FIN	3-19		122/FIN
2-10		122/FIN	3-20		122/FIN
2-11		122/FIN	3-21		122/FIN
2-12		122/FIN	3-22		122/FIN
2-13		122/FIN	3-23		122/FIN
2-14		122/FIN	3-24		122/FIN
2-15		122/FIN	3-25		122/FIN
2-16		122/FIN	3-26		122/FIN
2-17		122/FIN	3-27		122/FIN
2-18		122/FIN	3-28		122/FIN
2-19		122/FIN	3-29		122/FIN
2-20		122/FIN	3-30		122/FIN
2-21		122/FIN	3-31		122/FIN
2-22		122/FIN	3-32		122/FIN
2-23		122/FIN	3-33		122/FIN
2-24		122/FIN	3-34		122/FIN
2-25		122/FIN	3-35		122/FIN
2-26		122/FIN	3-36		122/FIN
2-27		122/FIN	3-37		122/FIN
2-28		122/FIN	3-38		122/FIN
2-29		122/FIN	3-39		122/FIN
2-30		122/FIN	3-40		122/FIN
2-31		122/FIN	3-41		122/FIN
2-32		122/FIN	3-42		122/FIN
2-33		122/FIN	3-43		122/FIN
2-34		122/FIN	3-44		122/FIN
2-35		122/FIN	3-45		122/FIN
2-36		122/FIN	3-46		122/FIN
2-37		122/FIN	3-47		122/FIN
2-38		122/FIN	3-48		122/FIN
2-39		122/FIN	3-49		122/FIN
2-40		122/FIN	3-50		122/FIN

* – Omit from flight book

3-51 ..... 122/FIN
3-52 ..... 122/FIN
3-53 ..... 122/FIN
3-54 ..... 122/FIN
3-55 ..... 122/FIN
3-56 ..... 122/FIN
3-57 ..... 122/FIN
3-58 ..... 122/FIN
3-59 ..... 122/FIN
3-60 ..... 122/FIN
3-61 ..... 122/FIN
3-62 ..... 122/FIN
3-63 ..... 122/FIN
3-64 ..... 122/FIN
3-65 ..... 122/FIN
3-66 ..... 122/FIN
3-67 ..... 122/FIN
3-68 ..... 122/FIN
3-69 ..... 122/FIN
3-70 ..... 122/FIN
3-71 ..... 122/FIN
3-72 ..... 122/FIN
3-73 ..... 122/FIN
3-74 ..... 122/FIN
3-75 ..... 122/FIN
3-76 ..... 122/FIN
3-77 ..... 122/FIN
3-78 ..... 122/FIN
3-79 ..... 122/FIN
3-80 ..... 122/FIN
3-81 ..... 122/FIN
3-82 ..... 122/FIN
3-83 ..... 122/FIN
3-84 ..... 122/FIN
3-85 ..... 122/FIN
3-86 ..... 122/FIN
3-87 ..... 122/FIN
3-88 ..... 122/FIN
3-89 ..... 122/FIN
3-90 ..... 122/FIN
3-91 ..... 122/FIN
3-92 ..... 122/FIN
3-93 ..... 122/FIN
3-94 ..... 122/FIN
3-95 ..... 122/FIN
3-96 ..... 122/FIN
3-97 ..... 122/FIN
3-98 ..... 122/FIN
3-99 ..... 122/FIN
3-100 ..... 122/FIN
3-101 ..... 122/FIN
3-102 ..... 122/FIN
3-103 ..... 122/FIN
3-104 ..... 122/FIN
3-105 ..... 122/FIN
3-106 ..... 122/FIN
3-107 ..... 122/FIN
3-108 ..... 122/FIN
3-109 ..... 122/FIN
3-110 ..... 122/FIN
3-111 ..... 122/FIN
3-112 ..... 122/FIN
3-113 ..... 122/FIN
3-114 ..... 122/FIN
3-115 ..... 122/FIN
3-116 ..... 122/FIN
3-117 ..... 122/FIN
3-118 ..... 122/FIN
3-119 ..... 122/FIN
3-120 ..... 122/FIN
3-121 ..... 122/FIN
3-122 ..... 122/FIN
3-123 ..... 122/FIN
3-124 ..... 122/FIN
3-125 ..... 122/FIN
3-126 ..... 122/FIN
3-127 ..... 122/FIN
3-128 ..... 122/FIN
3-129 ..... 122/FIN
3-130 ..... 122/FIN
3-131 ..... 122/FIN
3-132 ..... 122/FIN
4-i ..... * 122/FIN
4-ii ..... * 122/FIN
4-iii ..... * 122/FIN
4-iv ..... * 122/FIN
4-1 ..... * deleted
4-2 ..... * deleted
4-3 ..... * deleted
4-4 ..... * deleted
4-5 ..... * deleted
4-6 ..... * deleted
4-7 ..... * deleted
4-8 ..... * deleted
4-9 ..... * deleted
4-10 ..... * deleted
5-1 ..... * deleted
5-2 ..... * deleted
5-3 ..... * deleted
5-4 ..... * deleted
5-5 ..... * deleted
5-6 ..... * deleted
6-1 ..... * deleted
6-2 ..... * deleted
6-3 ..... * deleted
6-4 ..... * deleted

* – Omit from flight book

CONTENTS PAGE

INTRODUCTION vi

OVERVIEW TIMELINE 1-1

SUMMARY TIMELINE AND ISS SHORT TERM PLAN 2-1

DETAILED TIMELINE 3-1

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

This Page Intentionally Blank

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	ASC	PI	S/Us									
	ISS												
	Orb Att		-ZLV, -XVV										

	MET	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	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	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	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	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	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	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	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	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
FD10	STS					Undock/ Flyaround		Dump		Late Inspection															
	ISS																								
	Orb Att	LVLH TEA				Undock		Dump		Inspection					-ZLV, -XVV										

	MET	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	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																			

This Page Intentionally Blank

SUMMARY TIMELINE AND ISS SHORT TERM PLAN

This Page Intentionally Blank

FD01

GMT 12/06/07 (340) — 22, 23, 12/07, 01, 02, 03, 04, 05, 06, 07, 08, 09

MET Day 000 — 000/00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12

STS-122 — LAUNCH — OMS-2

| | | |

FD02

GMT 12/07/07 (341) — MET Day 000 — 001/00

STS-122

CDR FRICK	SLEEP	POST SLEEP							OMS BURN	NC2 MNVR	MZLV	RCS*	IMU		MNVR	STBD	STBD WING SURVEY			NOSE CAP SURVEY		MEAL	MNVR	PORT	PORT WING SURVEY
PLT POINDEXTER	SLEEP	POST SLEEP							OMS BURN	APCU*	P/TV01 VIDEO SETUP			CRYO 02 SNSR CK	FILTER CLEANING	O2 INIT		O2 TERM	MNVR	NOSE	H2O CWC S/U	FCPRG*	WSB	MEAL	EVA PREP FOR XFER
MS1 MELVIN	SLEEP	LOG	POST SLEEP		RMS	PWRUP	RMS C/O		POST SLEEP	OBSS UNBERTH					STBD WING SURVEY							MEAL	PORT WING SURVEY		
MS2 WALHEIM	SLEEP	LOG	POST SLEEP						OMS BURN				EMU C/O PREP	EMU C/O						EXERCISE		MEAL	EVA PREP FOR XFER		
MS3 SCHLEGEL	SLEEP	LOG	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	LOG	POST SLEEP		RMS	PWRUP	RMS C/O		POST SLEEP	OBSS UNBERTH					STBD WING SURVEY					NOSE CAP SURVEY		MEAL	EVA PREP FOR XFER		EXER CISE
FE-2 EXP16 EYHARTS	SLEEP	POST SLEEP									ERG SETUP	XFER PREP		EXERCISE			H2O CWC S/U	CWC	INIT #1	MEAL	CWC	TERM			

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; *CONFIG; *MANUAL

FD02

GMT 12/07/07 (341) — 22, 23, 12/08, 01, 02, 03, 04, 05, 06, 07, 08, 09

MET — Day 001 — 001/00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12

STS-122

CDR	FRICK	PORT; PWG; SURVEY; M-NVR; ZLV; APCU 2@; EXERCISE; NC3 +X RCS BURN; M-NVR; ZLV; FLOATURE; PRE SLEEP; PMC A/G; PRE SLEEP; SLEEP
PLT	POINDEXTER	EXERCISE; OMS POD SRVY; FCMS C/O; +X RCS BURN; RNDZ TOOLS C/O; CDMS/U; PRE SLEEP; CDMACT; SLEEP
MS1	MELVIN	PORT; PWG; SURVEY; OBSS BERTH; RMS PDN; LDRI DOWNLINK; PRE SLEEP; SLEEP
MS2	WALHEIM	SETUP C/L CAMR; +X RCS BURN; WLES; HHL C/O; PRE SLEEP; SLEEP
MS3	SCHLEGEL	PORT; PWG; SURVEY; SETUP C/L CAMR; ODS RING EXT; EXERCISE; MUS; PRE SLEEP; SLEEP
MS4	LOVE	EXERCISE; OBSS BERTH; RMS PDN; ODS RING EXT; RNDZ TOOLS C/O; PRE SLEEP; SLEEP
FE-2 EXP16	EYHARTS	PMC A/G; MUS; MOP; PRE SLEEP; SLEEP

DAY/NIGHT

ORBIT: 17, 18, 19, 20, 21, 22, 23, 24

TDRS: W -171.0; E -46.0; Z -275.0

ORB ATT: BIAS -ZLV +YVV @ACT; NC3; -ZLV -XVV

NOTES

FD03
GMT 12/08/07 (342)
MET Day 001

		12–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–002/00
STS-122	CDR FRICK	SLEEP; MNVR	SIMO INIT; POST SLEEP	SIMO TERM; NC4	ISS RNDZ OPS; Ti	APPROACH W/RPM	DOCKING*	PGRPL; GRPB; PWRDN; H/O	HATCH OPEN	SFTY BRIEF	BPSMU/RWS	O2 RCNFG /PURGE
STS-122	PLT POINDEXTER	SLEEP	CDM-D; POST SLEEP; IMU; RCS@; MCIU*; GRPB; PWRUP	ISS RNDZ OPS	APPROACH W/RPM	DOCKING*	MNVR -XLV; GRPB; PWRDN; SV-2	SFTY BRIEF	PST DK EVA XFR RCNFG			
STS-122	MS1 MELVIN	SLEEP	LOG; POST SLEEP; GRPB; PWRUP; POST SLEEP; P/TVO2 DOCK S/U; N2*; EXERCISE; N2*; ISS RNDZ OPS	APPROACH W/RPM	DOCKING*	PGRPL; PTVO4; SETUP; PTVO5; SETUP	SFTY BRIEF	CTB XFER	OBSS; GRPL			
STS-122	MS2/EV1 WALHEIM	SLEEP	POST SLEEP; ISS RNDZ OPS; OIU*; SSV-3; ISS RNDZ OPS	APPROACH W/RPM	DOCKING*	DOCK AUDIO; EXERCISE	SFTY BRIEF	PST DK EVA XFR RCNFG	REBA*			
STS-122	MS3/EV2 SCHLEGEL	SLEEP	POST SLEEP; ISS RNDZ OPS; MDDK; PREP; EMU RMVL; P/TVO2 DOCK OPS	DOCKING*	HATCH LEAK CK; ODS PREP FOR INGR; HATCH OPEN	SFTY BRIEF	PST DK EVA XFR RCNFG	REBA*				
STS-122	MS4/EV3 LOVE	SLEEP	LOG; SLVA; POST SLEEP; COND CWC S/U; EXERCISE; MDDK; PREP; EMU RMVL; ISS RNDZ OPS	APPROACH W/RPM	DOCKING*	HATCH LEAK CK; ODS PREP FOR INGR; POST RNDZ PGSC CONFG	SFTY BRIEF	WLES	OBSS; GRPL			
UP	FE-2 EXP16 EYHARTS	SLEEP	S/U; SLVA; POST SLEEP; ISS RNDZ OPS; P/TVO2 DOCK OPS; ISS RNDZ OPS	APPROACH W/RPM			SFTY BRIEF		OBSS; GRPL			
ISS	ISS CDR WHITSON	SLEEP	S/U; SLVA; POST SLEEP; DPC; PW; O2PR; PREP; P/TV RPM VRFY S/U; EXERCISE CEVIS	EXERCISE RED; MIDDAY-MEAL	PREP; 4PO2MM; RPMDL; PMA2 CFG	CAMD	HATCH LEAK CK ISS	HATCH OPEN	SFTY BRIEF	BPSMU/RWS	O2 RCNFG /PURGE	
ISS	FE-1 MALENCHENKO	SLEEP	POST SLEEP; PW; DPC; PW; CNFG; STOW; P/TV RPM VRFY S/U; COX MNT	EXERCISE TVIS; MIDDAY-MEAL	CPTEC; 8PO2MM; PMA2 CFG	CAMD	HATCH LEAK CK ISS	HATCH OPEN; COMPCL	SFTY BRIEF	VELO	DWNLD*	
DN	FE-2 TANI	SLEEP	POST SLEEP; PW; DPC; PW; WINDOW	EXERCISE RED; EXERCISE CEVIS; MIDDAY-MEAL	TIMEER; DOCK VIDEO; PMA2 CFG	AUDIO	HATCH OPEN	SFTY BRIEF	DCS CNFG	OBSS; GRPL		

DAY/NIGHT

ORBIT: 24, 25, 26, 27, 28, 29, 30, 31, 32

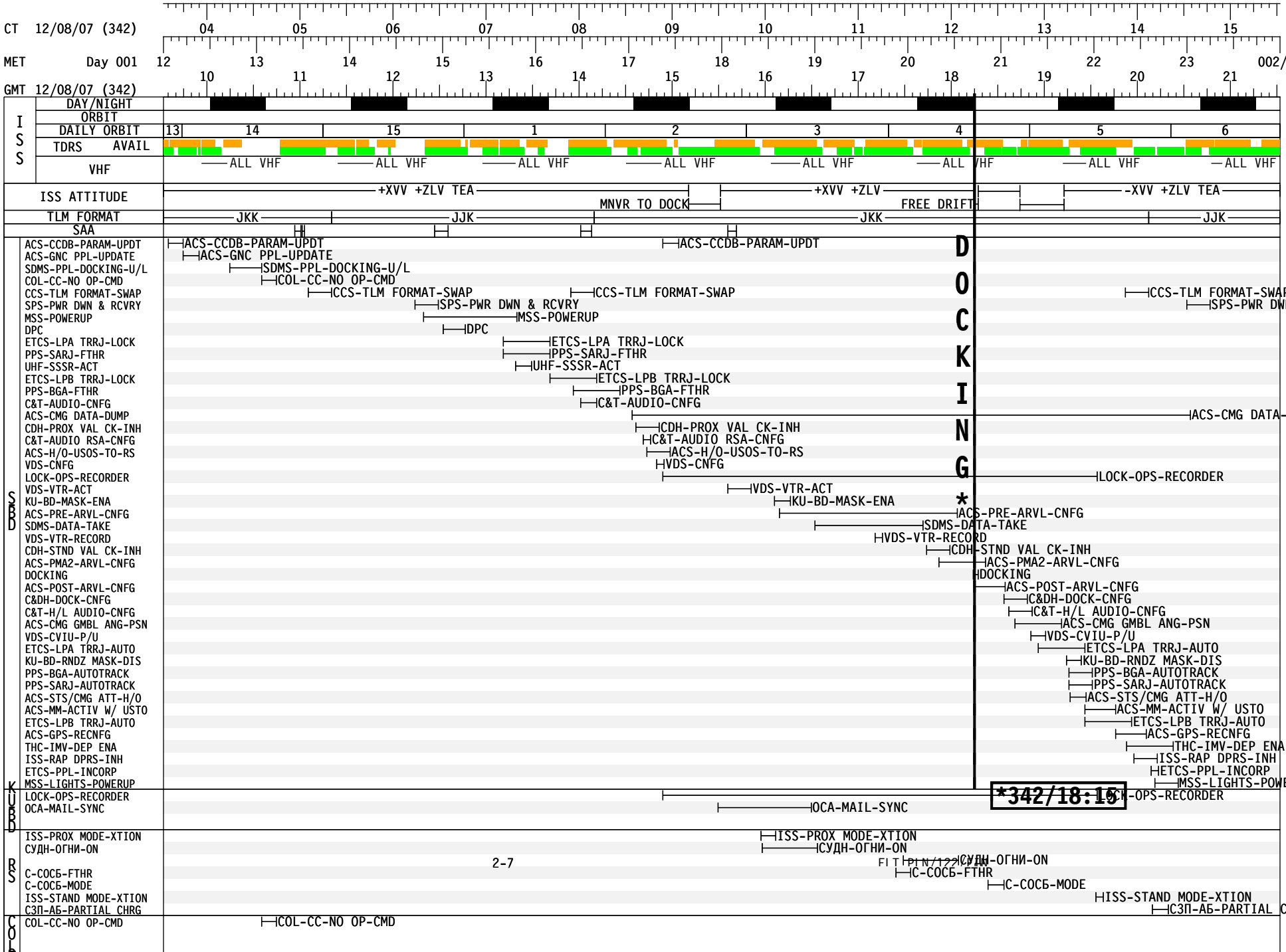
TDRS: W -171.0; E -46.0; Z -275.0

ORB ATT: -ZLV -XVV; -ZLV +YVV; RNDZ; DOCK; BIAS -XLV -ZVV

NOTES: *FILTER CHECK @REG RCNFG; *RPRS INIT *ACT; *RPRS TERM; *1/20:43:43; ♣CSA O2 CA *INSTALL

FD03

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



FD03

GMT 12/08/07 (342)

NO EXERCISE

22 23 12/09 01 02 03 04 05 06 07 08 09

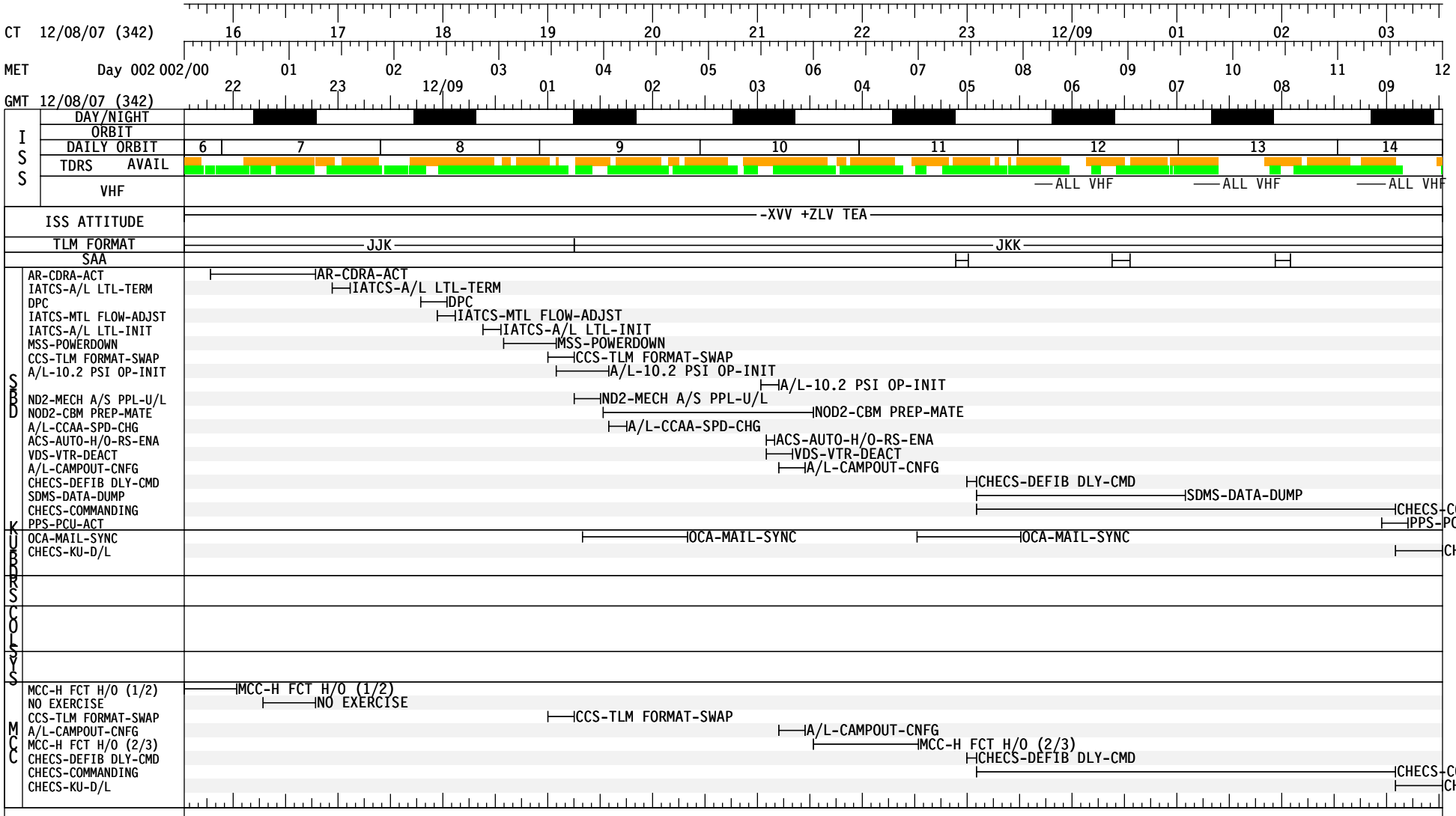
MET 002/00 01 02 03 04 05 06 07 08 09 10 11 12

Day 002

| | | |

FD03

STS-122/1E JOINT MSN SHORT TERM PLAN



NOTES:

FD04
GMT 12/09/07 (343)

NO EXERCISE

MET Day 002 — 12 13 14 15 16 17 18 19 20 21 22 23 003/00

STS-122	CDR FRICK	SLEEP; POST SLEEP; PMC A/G; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; EXERCISE; IMU; N2*; CINCT #2; MEAL; CTCM; CWC XFER (2); N2*; PWR FILL #1; P/TV 07; PRLA; P/TV 07 EVA SPPT; MUNVR; MUDAT; CINCT #3
STS-122	PLT POINDEXTER	SLEEP; POST SLEEP; MCIU*; INHIB; PADI; P/TV07 EVA S/U; EVA1 IVA SPPRT PREP; PDPS; EVA1 IVA SPPRT
STS-122	MS1 MELVIN	SLEEP; LOG; POST SLEEP; XFR; UPDAT; XFER OPS; KU#; SSRMS PDGF SETUP; SSRMS PDGF INSTALL; SGRPLS*; SSRMS COL UNBRTH
STS-122	MS2/EV1 WALHEIM	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE; A/L REP; 10.2 DPRS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; C-LK; EGRS; PDGF SETUP; EVA 1 (06:30); PDGF INSTALL; P1 NTA RMVL PREP
STS-122	MS3/EV2 SCHLEGEL	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; C-LK; EGRS; PDGF SETUP; PDGF INSTALL; P1 NTA RMVL PREP
STS-122	MS4/EV3 LOVE	SLEEP; LOG; POST SLEEP; EXERCISE; CBCS; PWRSUP; XFER$; KU#; PGSC^; SSRMS PDGF SETUP; SSRMS PDGF INSTALL; SGRPLS*; SSRMS COL UNBRTH
DN	FE-2 TANI	SLEEP; POST SLEEP; PREP WORK; DPC; WINDW; PWR; XFER; EXERCISE TVIS; EXERCISE RED; SSRMS PDGF SETUP; ACBM; MIDDAY-MEAL; ACS-PPRV SP SEAL-R&R; SSRMS COL UNBRTH
ISS	ISS CDR WHITSON	SLEEP; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; 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; HAM; IELK RMVL; IELK INST & C/O; EXERCISE TVIS; SOKOL; LK CK; SOKL DRY; MIDDAY-MEAL; GLOVE; COX MNT; SOKOL; CLS; PБO-3-2 INIT
UP	FE-2 EXP16 EYHARTS	SLEEP; POST SLEEP; PREP WORK; DPC; IELK RMVL & XFER; IELK INST & C/O; CMS OV; UOP; INSTL; PWUOP; ADAPT; RED H/O; THVIS; SOKOL; LK CK; ADAPT; ACBM; MIDDAY-MEAL; PFA S/U; VEST OUTFIT PREP; ADAPT

DAY/NIGHT

ORBIT 40 41 42 43 44 45 46 47 48

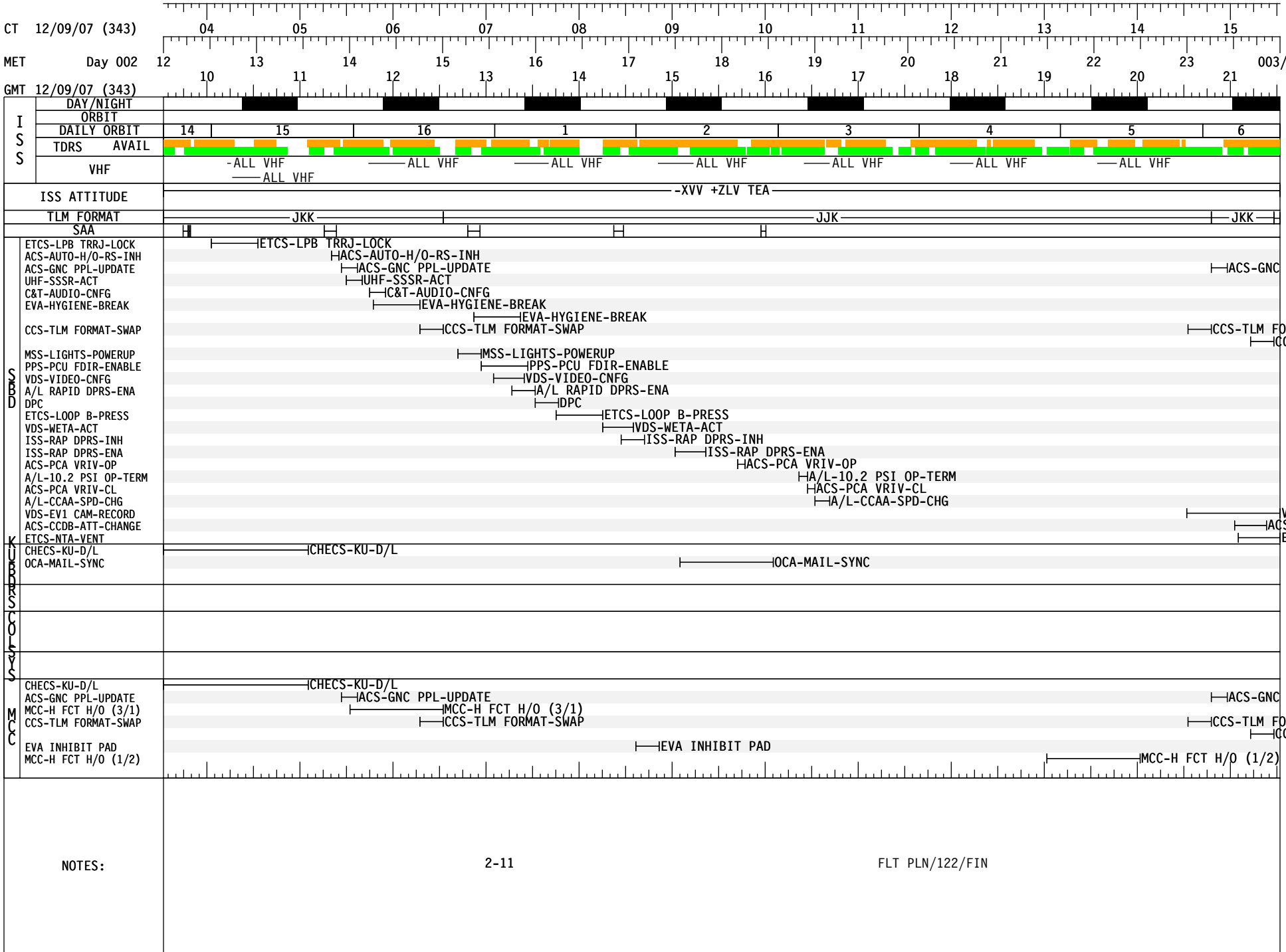
TDRS W -171.0 / E -46.0 / Z -275.0

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



NOTES:

FD04

GMT 12/09/07 (343)

MET Day 003

~ NO EXERCISE

22 23 12/10 01 02 03 04 05 06 07 08 09

003/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122	CDR FRICK	P/TV07 EVA SPPT; CWC; TERM; CWC; XFER; POST EVA W/H2O,METOX; PMC A/G; PRE SLEEP; SLEEP
STS-122	PLT POINDEXTER	EVA1 IVA SPPRT; P-RPS; RPRS; CDM*; EXERCISE; LCC@; LCC%; PRE SLEEP; CDM-A; SLEEP
STS-122	MS1 MELVIN	SSRMS COL UNBRTH; 1ST STG CAP; LIMP; 2ND STG CAP; SAFE; XFER OPS; XFER; TAG; BRIEF; PRE SLEEP; SLEEP
STS-122	MS2/EV1 WALHEIM	P1 NTA RMVL PREP; CLNUP & INGRS; P-RPS; RPRS; POST EVA W/H2O,METOX; PRE SLEEP; SLEEP
STS-122	MS3/EV2 SCHLEGEL	P1 NTA RMVL PREP; CLNUP & INGRS; P-RPS; RPRS; POST EVA W/H2O,METOX; MUS; PRE SLEEP; SLEEP
STS-122	MS4/EV3 LOVE	SSRMS COL UNBRTH; 1ST STG CAP; LIMP; 2ND STG CAP; ACQ; BOLTS; SAFE; CBCS CAMRA RMV; XFER OPS; XFER; TAG; BSA INIT; PRE SLEEP; SLEEP
DN	FE-2 TANI	SSRMS COL UNBRTH; 1ST STG CAP; LIMP; 2ND STG CAP; ACQ; BOLTS; SAFE; POST EVA W/H2O,METOX; D/L#; DPC; O2 LK; PW; PRE SLEEP-ISS; SLEEP
ISS	ISS CDR WHITSON	VAJ S/U; NODE2 QD DISCNCT; EXERCISE CEVIS; LK CK; PW; READ; PS; DPC; LK CK TERM; PS; LEAK*; PRE SLEEP-ISS; SLEEP
ISS	FE-1 MALENCHENKO	GLOVE; PREP WORK; VELO; DWNLD; PREP; WORK; DPC; PREP; WORK; PRE SLEEP-ISS; SLEEP
UP	FE-2 EXP16 EYHARTS	ADAPT; 1ST STG CAP; LIMP; 2ND STG CAP; ACQ; BOLTS; ADAPT; PREP WORK; CEVIS; CH/OV; PMC; MUS; MOP; DPC; PREP; WORK; PRE SLEEP-ISS; SLEEP

DAY/NIGHT

ORBIT 48 49 50 51 52 53 54 55 56

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT BIAS -XLV -ZVV

NOTES

*BATT C/O

@ACT

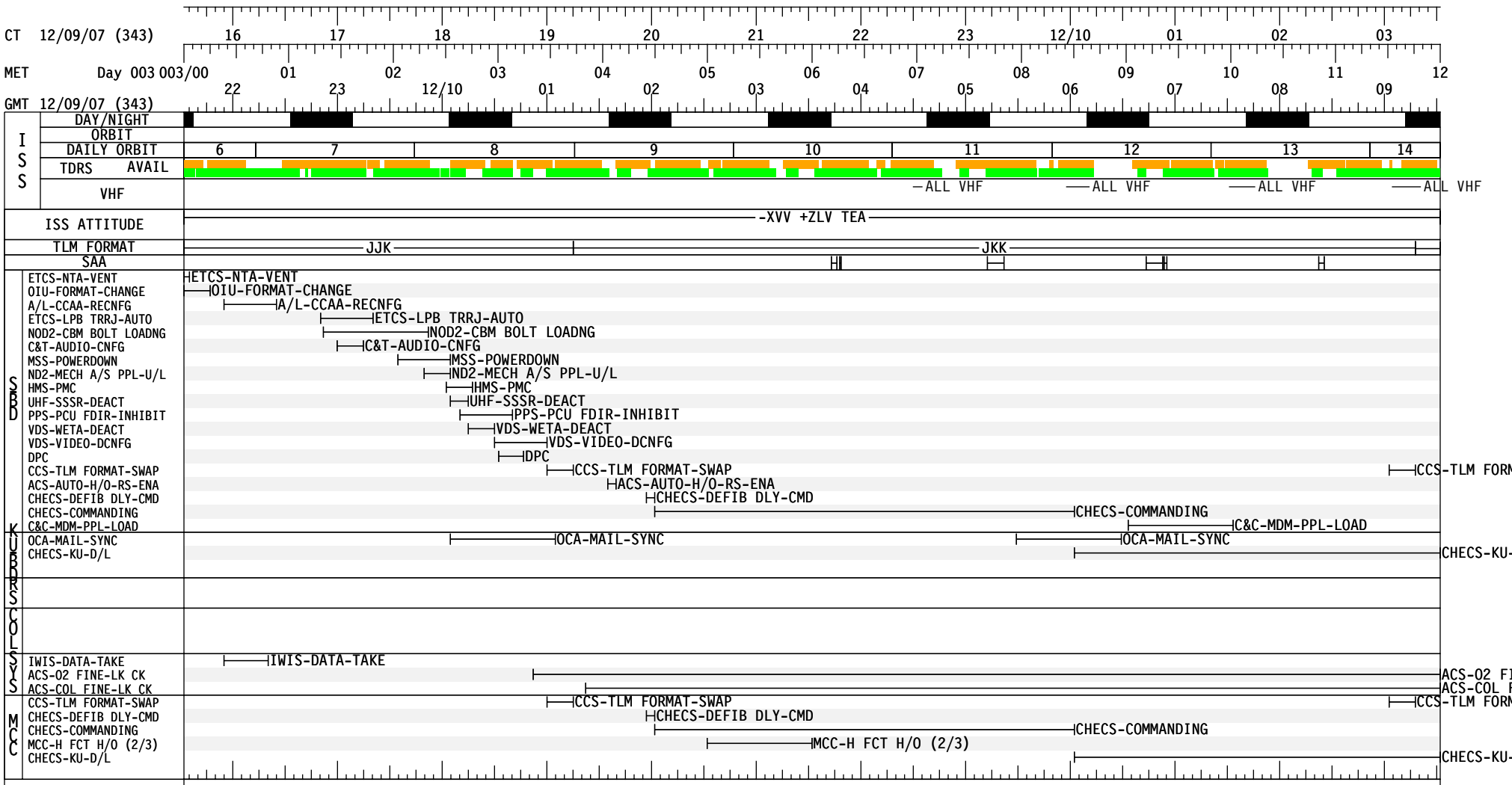
%Deact

*CHECK-INIT

#EVA Image Downlink

FD04

STS-122/1E JOINT MSN SHORT TERM PLAN



NOTES:

FD05

GMT 12/10/07 (344) — MET Day 003 — 004/00

STS-122	CDR FRICK	SLEEP	POST SLEEP; PAO EVENT; FI DOUG REVIEW; IMU; XFER OPS; MEAL; FOCUSED INSPECTION
STS-122	PLT POINDEXTER	SLEEP	CDM-D; POST SLEEP; MCWCUS*; CWCI EVENT #4; XFER OPS; CWC TERM; CWCI EVENT #5; EXERCISE; CWC TERM; CWCI EVENT #6; MEAL; CWC TERM; CWC XFER (3); XFER OPS; PWR FILL #2
STS-122	MS1 MELVIN	SLEEP	LOG; POST SLEEP; XFR UPDAT; P/TV 05 S/U; PAO EVENT; FI DOUG REVIEW; SSRMS UNGRP COL-MNVR; SSRMS FI MNVR; KU*; KU$; MEAL; FOCUSED INSPECTION
STS-122	MS2/EV1 WALHEIM	SLEEP	ALOGRN; POST SLEEP; PAO EVENT; EXERCISE; XFER OPS; MEAL; BSA-T; EMU INIT; E-LK PREP; TOOL CONFIG
STS-122	MS3/EV2 SCHLEGEL	SLEEP #	POST SLEEP; DSK & CVR RMV & STRAP; PWR JMPR; HARD WIRED; 1553 DATA; FWD & AFT CPA RMV; ITCS JMPR; ASPRN; MEAL; BATTX/ MINSTL; METX@; E-LK PREP; TOOL CONFIG
STS-122	MS4/EV3 LOVE	SLEEP	LOG; SLVA; POST SLEEP; PIE AO EVENT; FI DOUG REVIEW; SSRMS UNGRP COL-MNVR; SSRMS FI MNVR; KU*; KU$; PGSC^; MEAL; FOCUSED INSPECTION
DN	FE-2 TANI	SLEEP	S/U; SLVA; POST SLEEP; PW; O2LK; DPC; PREP; WORK; 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	ISS CDR WHITSON	SLEEP	SLVA; POST SLEEP; PREP WORK; DPC; LK CK T/D; PFA; DSK & CVR RMV & STRAP; PWR JMPR; HARD WIRED; 1553 DATA; FWD & AFT CPA RMV; OVHD & DECK CPA RMV; MIDDAY-MEAL; OVHD & DECK CPA RMV; COND JMPR; FIBER; ARS; RED
ISS	FE-1 MALENCHENKO	SLEEP	POST SLEEP; PREP WORK; DPC; ⊕; ГФИ-8; БФСО2; МНТ; СОЖ МНТ; ALC; ИПД АК PREP; ИПД АК1 SMPL; СОТР КОНТУР МНТ; EXERCISE TVIS; MIDDAY-MEAL; СОТР КОНТУР МНТ
UP	FE-2 EXP16 EYHARTS	SLEEP	SLVA; POST SLEEP; PREP WORK; DPC; PMC; H/O; S/U; H/O; ADAPT; PARTL INGRS; NPRV SPLY; IMV VLV; ADAPT; IMV SPLY DCT; ADAPT; MIDDAY-MEAL; OVHD & DECK CPA RMV; NPRV RTRN; IMV VLV; IMV RTRN DUCT; PBA; PFEX

DAY/NIGHT

ORBIT: 56, 57, 58, 59, 60, 61, 62, 63, 64

TDRS: W -171.0; E -46.0; Z -275.0

ORB ATT: BIAS -XLV -ZVV

NOTES:
- ⊕СВ-ВПхО-ВПрК-МНТ
- *FILTER CHECK
- $ACT
- *DEPLOY
- ^CHECK
- @TERM
- ♣EXERCISE T
- #SSRMS PWR LATCHES DISCONNECT

N2 DDCU PWRDN

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 13 14 15 16 17 18 19 20 21 22 23 004/00

GMT 12/10/07 (344): 10 11 12 13 14 15 16 17 18 19 20 21

ISS

- DAY/NIGHT
- ORBIT
- DAILY ORBIT: 14 | 15 | 1 | 2 | 3 | 4 | 5 | 6 | 7
- TDRS AVAIL
- VHF: ALL VHF, ALL VHF, ALL VHF, ALL VHF, ALL VHF, ALL VHF, ALL VHF

ISS ATTITUDE: -XVV +ZLV TEA

TLM FORMAT: JJK, JKK, JJK, JLK

SAA

SBD

- SSRMS-PWR LTCH-DCNCT: SSRMS-PWR LTCH-DCNCT
- HK2-TLM-CNFG: HK2-TLM-(
- COL-CC-NO OP-CMD: COL-CC-NO OP-CMD
- CCS-TLM FORMAT-SWAP: CCS-TLM FORMAT-SWAP; CCS-TLM FORMAT-SWAP; CCS-TLM FORMAT-SWAP
- ACS-AUTO-H/O-RS-INH: ACS-AUTO-H/O-RS-INH
- DPC: DPC
- SPS-NOD2 DDCU-PWRDN: SPS-NOD2 DDCU-PWRDN
- HMS-PMC: HMS-PMC
- MSS-LIGHTS-POWERUP: MSS-LIGHTS-POWERUP
- PAO EVENT: PAO EVENT
- SPS-NOD2 DDCU-PWRUP: SPS-NOD2 DDCU-PWRUP
- COL-BRTH SRVIVAL-ACT: COL-BRTH SRVIVAL-ACT; COL-BRTH SRVIVAL-ACT
- SPS-NOD2-RECOVERY: SPS-NOD2-RECOVERY
- COL-FINAL-ACTIVATION: COL-FINAL

KUBRS

- CHECS-KU-D/L: CHECS-KU-D/L
- PAO EVENT: PAO EVENT

COLS

- COL-CC-NO OP-CMD: COL-CC-NO OP-CMD
- COL-BRTH SRVIVAL-ACT: COL-BRTH SRVIVAL-ACT
- COL-FINAL-ACTIVATION: COL-FINAL
- WPA-ACT: WPA-ACT
- DMS-ACT: DMS-ACT
- COL-CFA-ACT: COL-CFA-ACT
- COL-IMV-ACT: COL-IMV-A

SYS

- ACS-O2 FINE-LK CK: ACS-O2 FINE-LK CK
- ACS-COL FINE-LK CK: ACS-COL FINE-LK CK

MCC

- 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; CCS-TLM FORMAT-SWAP; CCS-TLM FORMAT-SWAP
- MCC-H FCT H/O (1/2): MCC-H FCT H/O (

NOTES:

FD05

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

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

STS-122	CDR FRICK	FOCUSED INSPECTION		EXERCISE				EVA2 PROC REVIEW	PMC A/G	PRE SLEEP	PAO EVENT	PRE SLEEP											SLEEP	
STS-122	PLT POINDEXTER	PWR FILL #3	PWR FILL #4	CDM*	P/TV 05 S/U	P/TV07 EVA S/U		EVA2 PROC REVIEW	PRE SLEEP		PAO EVENT	PRE SLEEP											SLEEP	
STS-122	MS1 MELVIN	FOCUSED INSPECTION		SSRMS MNVR PARK	XFER	TAG	BRIEF	ILUM* EVA2 PROC REVIEW	PRE SLEEP														SLEEP	
STS-122	MS2/EV1 WALHEIM	♣	XFER OPS			PRE SLEEP		EVA2 PROC REVIEW	PRE SLEEP				MASK PB/TOOL CONFIG					PRE SLEEP					SLEEP	
STS-122	MS3/EV2 SCHLEGEL	⊕	EXERCISE		PRE SLEEP			EVA2 PROC REVIEW	MUS	PRE SLEEP	PAO EVENT	PSLP	MASK PB/TOOL CONFIG					PRE SLEEP					SLEEP	
STS-122	MS4/EV3 LOVE	FOCUSED INSPECTION		SSRMS MNVR PARK	XFER	TAG		EVA2 PROC REVIEW	PRE SLEEP														SLEEP	
DN	FE-2 TANI	EXERCISE TVIS		DCS TRN	DCS	PREP WORK	XFER	TAG DPC	EVA2 PROC REVIEW	PREP WORK	PRE SLEEP-ISS												SLEEP	
ISS	ISS CDR WHITSON	RED		TVIS				DPC	EVA2 PROC REVIEW	PREP WORK	PRE SLEEP-ISS												SLEEP	
ISS	FE-1 MALENCHENKO	♦	VELO			PREP	WORK	DWNLD DPC	EVA2 PROC REVIEW	PREP WORK	PRE SLEEP-ISS												SLEEP	
UP	FE-2 EXP16 EYHARTS	®	INSTL PART POSTS	ADAPT		PFA	PREP WORK	DPC	EVA2 PROC REVIEW	PREP WORK	PRE SLEEP-ISS												SLEEP	

COLINGRESS

DAY/NIGHT

ORBIT 64 65 66 67 68 69 70 71 72

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT BIAS -XLV -ZVV

NOTES
♣TOOL CONFIG*BATT C/O *ON
⊕TOOL CONFIG
♦COTP KOHTYP MNT
®PBA PFEX

ISS EXTERNAL SURVEY

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 01 02 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
- ORBIT
- DAILY ORBIT: 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15
- TDRS AVAIL
- VHF: ALL VHF; ALL VHF; ALL VHF; ALL VHF; ALL VHF; ALL VHF

ISS ATTITUDE: XVV +ZLV TEA

TLM FORMAT: JLK; JJK; JKK

SAA

SBD

- HK2-TLM-CNFG: HK2-TLM-CNFG; HK2-TLM-CNFG
- COL-FINAL-ACTIVATION: COL-FINAL-ACTIVATION
- CCS-TLM FORMAT-SWAP: CCS-TLM FORMAT-SWAP; CCS-TLM FORMAT-SWAP
- IATCS-A/L LTL-TERM: IATCS-A/L LTL-TERM
- DMS-MMC-SWOP CNFG: DMS-MMC-SWOP CNFG
- COL-FULL LOG FILE-DL: COL-FULL LOG FILE-DL
- DPC: DPC
- MSS-POWERDOWN: MSS-POWERDOWN
- COL-PL C&W-CNFG1: COL-PL C&W-CNFG1
- IATCS-A/L LTL-INIT: IATCS-A/L LTL-INIT
- HK2-NOM TLM-CNFG: HK2-NOM TLM-CNFG; HK2-NOM TLM-CNFG
- A/L-10.2 PSI OP-INIT: A/L-10.2 PSI OP-INIT; A/L-10.2 PSI OP-INIT
- PPS-LST-UPLINK: PPS-LST-UPLINK
- A/L-CCAA-SPD-CHG: A/L-CCAA-SPD-CHG
- A/L-CAMPOUT-CNFG: A/L-CAMPOUT-CNFG
- ACS-AUTO-H/O-RS-ENA: ACS-AUTO-H/O-RS-ENA
- CHECS-DEFIB DLY-CMD: CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING: CHECS-COMMANDING
- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- DMS-SMALL FILE-UPLK: DMS-SMALL FILE-UPL
- DMS-LARGE FILE-UPLK: DMS-LARGE FILE
- DMS-MMU-FILE DNLK: DMS-MMU-F

KUBDS

- COL-FULL LOG FILE-DL: COL-FULL LOG FILE-DL
- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- CHECS-KU-D/L: CHECS-KU-

RS

COL

- COL-FINAL-ACTIVATION: COL-FINAL-ACTIVATION
- COL-CFA-FNL ACT: COL-CFA-FNL ACT
- DMS-NOM SBD PKT-CNFG: DMS-NOM SBD PKT-CNFG
- DMS-NOM KBD PKT-CNFG: DMS-NOM KBD PKT-CNFG
- DMS-MMC-SWOP CNFG: DMS-MMC-SWOP CNFG
- COL-FULL LOG FILE-DL: COL-FULL LOG FILE-DL
- ECS-CAB SD1 LMT-UPDT: ECS-CAB SD1 LMT-UPDT
- ECS-CAB SD2 LMT-UPDT: ECS-CAB SD2 LMT-UPDT
- DMS-ACS-DSBL: DMS-ACS-DSBL
- COL-LOAD SHED-CNFG: COL-LOAD SHED-CNFG
- TCS-WOOV-ADJUST: TCS-WOOV-ADJUST
- ECS-CHX DP MEAN-ENA: ECS-CHX DP MEAN-ENA
- ECS-HCU1 HTR-C/O: ECS-HCU1 HTR-C/O
- COL-PL C&W-CNFG2: COL-PL C&W-CNFG2
- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- ECS-HCU2 HTR-C/O: ECS-HCU2 HTR-C/O
- DMS-VTC TM PKT-CNFG: DMS-VTC TM PKT-CNFG
- DMS-NOM TM PKT-CNFG: DMS-NOM TM PKT-CNFG
- DMS-SMALL FILE-UPLK: DMS-SMALL FILE-UPL
- DMS-LARGE FILE-UPLK: DMS-LARGE FILE
- DMS-MMU-FILE MGMT: DMS-MMU-FILE
- DMS-MMU-FILE DNLK: 2-17; DMS-MMU-F

SYS

MCC

- CCS-TLM FORMAT-SWAP: CCS-TLM FORMAT-SWAP; CCS-TLM FORMAT-SWAP
- A/L-CAMPOUT-CNFG: A/L-CAMPOUT-CNFG
- MCC-H FCT H/O (2/3): MCC-H FCT H/O (2/3)
- CHECS-DEFIB DLY-CMD: CHECS-DEFIB DLY-CMD

FD06

GMT 12/11/07 (345) — MET Day 004 — 005/00

STS-122	CDR FRICK	SLEEP; POST SLEEP; PMC A/G; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; IMU; CWCI #7; P/TV07 EVA SPPT; CWCM; CWCI #8; MEAL; CWCM; CWCI #9; P/TV07 EVA SPPT; CWCM; CWC XFER (3)	
STS-122	PLT POINDEXTER	SLEEP; POST SLEEP; EXERCISE; INHIB PAD; EVA2 IVA SPPRT PREP; PDPS; EVA2 IVA SPPRT	
STS-122	MS1 MELVIN	SLEEP; LOG; POST SLEEP; XFR UPDAT; RMS*; ILUM*; EXERCISE; XFER OPS; SSRMS P1 NTA R&R	
STS-122	MS2/EV1 WALHEIM	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE (A/L REP, 10.2 DPRS); CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; C-LK; EGRS; P1 NTA RMVL FROM PLB; P1 NTA INSTALL; NTA STOW IN PLB	EVA 2 (06:30); ♣
STS-122	MS3/EV2 SCHLEGEL	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; C-LK; EGRS; P1 NTA RMVL FROM PLB; P1 NTA INSTALL; NTA STOW IN PLB	⊕
STS-122	MS4/EV3 LOVE	SLEEP; LOG; POST SLEEP; RMS*; XFER OPS; EXERCISE; SSRMS P1 NTA R&R	
DN	FE-2 TANI	SLEEP; POST SLEEP; PREP WORK; DPC; INSTL HNDRL; VBA INSTL; DSTW INSTL FOOT LPS; COL SSC ACT; RCNFG SVOL FWG; PCS; PWS DISNST; INSTL PWS; PWS ACT; EXERCISE RED; MIDDAY-MEAL; RELOCATE EPM - A3; PCS ACT; EMU-T; TVIS	
ISS	ISS CDR WHITSON	SLEEP; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; INSTL D3 FLOOR PANEL; A3 KBAR F1 INSTL; EXERCISE CEVIS; MIDDAY-MEAL; EPM SF RMV	♦
ISS	FE-1 MALENCHENKO	SLEEP; POST SLEEP; PREP WORK; DPC; WHIAND W; МБИ-21-FE1-EXE; СУБА СД1-7 REPLC; EXERCISE TVIS; СОЖ MNT; MIDDAY-MEAL; ГФИ-1-FE-OBS	VELO
UP	FE-2 EXP16 EYHARTS	SLEEP; POST SLEEP; PREP WORK; DPC; ETHER; ANT; ADAPT; VBA INSTL; RMV D3 FLOOR PNL; RMV D2 FLOOR PNLS; RCNFG SVOL FWG; RMV PART CVRS; INSTL D2 FLOOR PANEL; INSTL VCA2; PFA T/D; PFA S/U; ® MIDDAY-MEAL; RELOCATE EPM - A3; RMV D1 FLOOR PANEL; UNLK WPA AVM	♥

DAY/NIGHT

ORBIT: 72, 73, 74, 75, 76, 77, 78, 79, 80

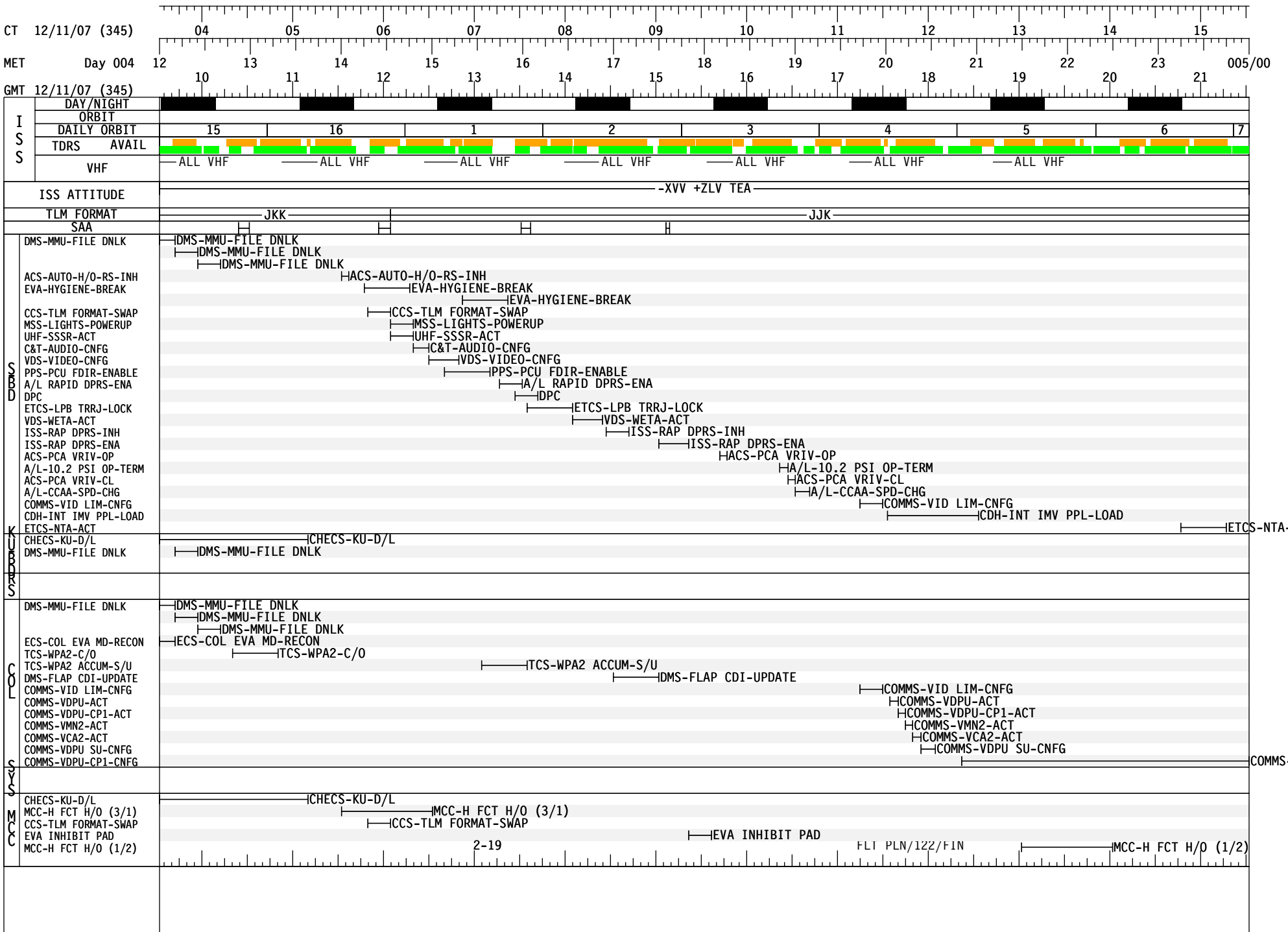
TDRS: W -171.0; E -46.0; Z -275.0

ORB ATT: BIAS -XLV -ZVV

NOTES: ISS EXTERNAL SURVEY; *OFF; *MNVR-EVA2 VIEW; ®COMMS-VCA2-CNFG; ♣SSPTS ROU; ⊕SSPTS ROU; ♦EXERCISE R; ♥UNLK CWSA

FD06

STS-122/1E JOINT MSN SHORT TERM PLAN



FD06

GMT 12/11/07 (345) 22 23 12/12 01 02 03 04 05 06 07 08 09

MET Day 005 005/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122	CDR FRICK	♣ EXERCISE	POST EVA W/H2O,METOX	PRE SLEEP	PMC OCA	PRE SLEEP	SLEEP
STS-122	PLT POINDEXTER	EVA2 IVA SPPRT	P-RPS	RPRS	FILTER INSPECT	PRE SLEEP	EVA 3 TOOL CONFIG	PRE SLEEP	CDM-A	SLEEP
STS-122	MS1 MELVIN	SSRMS P1 NTA R&R	RMS*	XFER OPS	XFER	TAG	BRIEF	PRE SLEEP	SLEEP
STS-122	MS2/EV1 WALHEIM	SSPTS ROUTING	CLNUP & INGRS	P-RPS	RPRS	POST EVA W/H2O,METOX	PRE SLEEP	SLEEP
STS-122	MS3/EV2 SCHLEGEL	SSPTS ROUTING	CLNUP & INGRS	P-RPS	RPRS	POST EVA W/H2O,METOX	PRE SLEEP	SLEEP
STS-122	MS4/EV3 LOVE	SSRMS P1 NTA R&R	RMS*	XFER OPS	XFER	TAG	PRE	SLEEP	EVA 3 TOOL CONFIG	PRE SLEEP	SLEEP
DN	FE-2 TANI	TVIS	CWC	INIT	H/O	CWC	TERM	FIRE	CIR/OE	PWERP	WORK	DPC	PRE SLEEP-ISS	SLEEP
ISS	ISS CDR WHITSON	EXERCISE RED	PREP	WORK	POST EVA W/H2O,METOX	BSA INIT	D/L #	PRE SLEEP-ISS	SLEEP
ISS	FE-1 MALENCHENKO	VELO	GLOVE	PREP WORK	DWNLD	PREP	WORK	DPC	PRE SLEEP-ISS	SLEEP
UP	FE-2 EXP16 EYHARTS	UNLK CWSA AVM	INSTL D1 FLOOR PANEL	H/O	PREP	WORK	PMC	PREP	WORK	DPC	PRE SLEEP-ISS	SLEEP

DAY/NIGHT

ORBIT 80 81 82 83 84 85 86 87

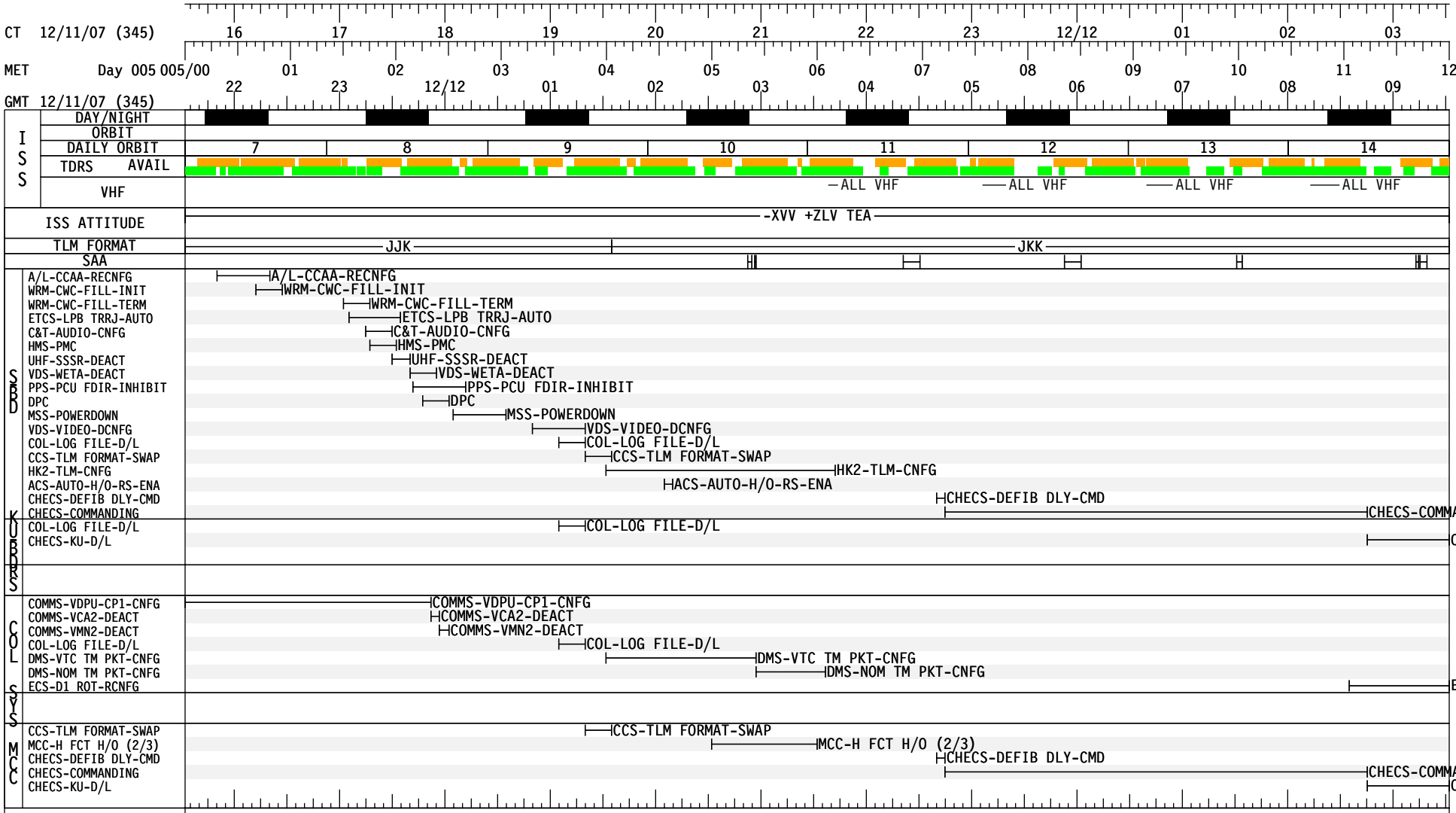
TDRS W -171.0 E -46.0 Z -275.0

ORB ATT BIAS -XLV -ZVV

NOTES ♣CWC XFER (3) *MNVR-COL VIEW #EVA Image Downlink

FD06

STS-122/1E JOINT MSN SHORT TERM PLAN



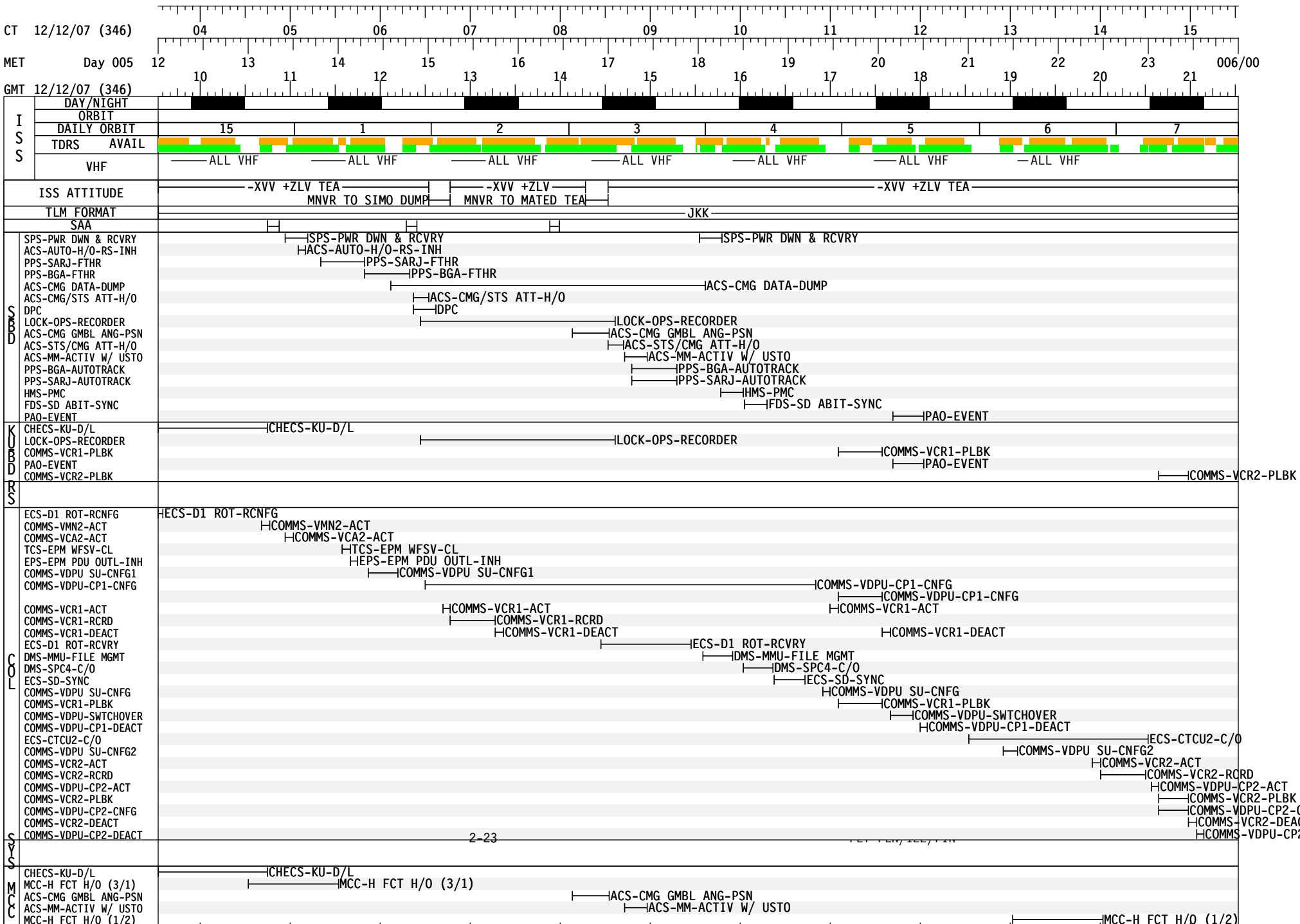
NOTES:

FD07

GMT 12/12/07 (346) — MET Day 005 — 006/00

| | | |

FD07 STS-122/1E JOINT MSN SHORT TERM PLAN



FD07

GMT 12/12/07 (346) 22 23 12/13 01 02 03 04 05 06 07 08 09

MET Day 006 006/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122	CDR FRICK	OFF DUTY		EVA3 PROC REVIEW	PMC A/G	EVA3*	PRE SLEEP					SLEEP
STS-122	PLT POINDEXTER	OFF DUTY		EVA3 PROC REVIEW	PRE SLEEP							SLEEP
STS-122	MS1 MELVIN	OFF DUTY		EVA3 PROC REVIEW	ILUM*	PRE SLEEP						SLEEP
STS-122	MS2/EV1 WALHEIM	OFF DUTY	PRE SLEEP	EVA3 PROC REVIEW	PRE SLEEP		MASK PB/TOOL CONFIG	10.2 DPRS	PRE SLEEP			SLEEP
STS-122	MS3/EV2 SCHLEGEL	OFF DUTY		EVA3 PROC REVIEW	MUS	PRE SLEEP						SLEEP
STS-122	MS4/EV3 LOVE	OFF DUTY	WLES* PRE SLEEP	EVA3 PROC REVIEW	PRE SLEEP		MASK PB/TOOL CONFIG	10.2 DPRS	PRE SLEEP			SLEEP
DN	FE-2 TANI	HANDOVER		EVA3 PROC REVIEW	PREP	WORK	DPC	PRE SLEEP-ISS				SLEEP
ISS	ISS CDR WHITSON	EXER RED		EVA3 PROC REVIEW	TAPE	PW	DPC	PRE SLEEP-ISS				SLEEP
ISS	FE-1 MALENCHENKO	♣	PREP WORK	EVA3 PROC REVIEW	DWNLD	PW	DPC	PRE SLEEP-ISS				SLEEP
UP	FE-2 EXP16 EYHARTS	HANDOVER	PREP WORK	EVA3 PROC REVIEW	PREP	WORK	DPC	PRE SLEEP-ISS				SLEEP

DAY/NIGHT

ORBIT 95 96 97 98 99 100 101 102 103

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT BIAS -XLV -ZVV

NOTES ♣EXERCISE TVIS *ON*PWR INHIBIT *ENABLE

ISS EXTERNAL SURVEY

FD07

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/12/07 (346): 16 17 18 19 20 21 22 23 12/13 01 02 03

MET Day 006 006/00: 01 02 03 04 05 06 07 08 09 10 11 12

GMT 12/12/07 (346): 22 23 12/13 01 02 03 04 05 06 07 08 09

ISS

- DAY/NIGHT
- ORBIT
- DAILY ORBIT: 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15
- TDRS AVAIL
- VHF: ALL VHF; ALL VHF; ALL VHF; ALL VHF

ISS ATTITUDE: -XVV +ZLV TEA

TLM FORMAT: JKK

SAA

SBD

- IATCS-A/L LTL-TERM: IATCS-A/L LTL-TERM
- DPC: DPC
- IATCS-A/L LTL-INIT: IATCS-A/L LTL-INIT
- A/L-10.2 PSI OP-INIT: A/L-10.2 PSI OP-INIT
- A/L-10.2 PSI OP-INIT: A/L-10.2 PSI OP-INIT
- A/L-CCAA-SPD-CHG: A/L-CCAA-SPD-CHG
- A/L-CAMPOUT-CNFG: A/L-CAMPOUT-CNFG
- ACS-AUTO-H/O-RS-ENA: ACS-AUTO-H/O-RS-ENA
- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- CHECS-DEFIB DLY-CMD: CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING: CHECS-COMMANDING
- HK2-TLM-CNFG: HK2-TLM-CNFG

KU

- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- CHECS-KU-D/L: CHECS-KU-

BDRS

COL

- COMMS-VCR1-ACT: COMMS-VCR1-ACT
- COMMS-VCR1-PLBK2: COMMS-VCR1-PLBK2
- COMMS-VCR1-DEACT: COMMS-VCR1-DEACT
- COMMS-VMN2-DEACT: COMMS-VMN2-DEACT
- COL-EXT P/L INS-CNFG: COL-EXT P/L INS-CNFG
- COL-EXT P/L INS-CNFG: COL-EXT P/L INS-CNFG
- COMMS-VCA2-DEACT: COMMS-VCA2-DEACT
- COMMS-VDPU SU-CNFG3: COMMS-VDPU SU-CNFG3
- COL-LOG FILE-D/L: COL-LOG FILE-D/L
- DMS-VTC TM PKT-CNFG: DMS-VTC TM PKT-CNFG
- DMS-NOM TM PKT-CNFG: DMS-NOM TM PKT-CNFG

SYS

MCC

- A/L-CAMPOUT-CNFG: A/L-CAMPOUT-CNFG
- MCC-H FCT H/O (2/3): MCC-H FCT H/O (2/3)
- CHECS-DEFIB DLY-CMD: CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING: CHECS-COMMANDING
- CHECS-KU-D/L: CHECS-KU-

*PWR INHIBIT

NOTES:

FD08

GMT 12/13/07 (347)

MET Day 006

12 13 14 15 16 17 18 19 20 21 22 23 007/00

STS-122	CDR FRICK	SLEEP; POST SLEEP; PMC A/G; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; IMU; PRLA CLOSE; PWR FILL #7; EXERCISE; SOLR*; P/TV 07; MEAL; CWCI10 INIT; P/TV07 EVA SPPT; CWC TERM; CWCI1 INIT; PTV 07; ETF*; PPSB*; PTV07
STS-122	PLT POINDEXTER	SLEEP; POST SLEEP; INHIB PAD; EXERCISE; EVA3 IVA SPPRT PREP; PDS; EVA3 IVA SPPRT
STS-122	MS1 MELVIN	SLEEP; LOG; POST SLEEP; MCIU UM**; RELOCATE BIOLAB - A2; BLBR; SSRMS SOLAR TRANSFER; SSRMS CMG TRANSFER; SSRMS EUTEF XFER
STS-122	MS2/EV1 WALHEIM	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE (A/L REP; 10.2 DPRS); CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDS; C-LK; EGRS; SOLAR TRANSFER; EVA 3 (06:30); CMG TRANSFER; EUTEF TRANSFER; CINGUPS
STS-122	MS3/EV2 SCHLEGEL	SLEEP; LOG; POST SLEEP; ETC LL RMVL; BLB RPDA%; RELOCATE BIOLAB - A2; DC CNVTR; INSTL; BLBR; BLB TOOL GATHER; BLB#; BLB TCU LF RMV; TCU SI INSTL; BLB INC LF RMV; MEAL; BLB INC LF RMV; INC CI INSTL
STS-122	MS4/EV3 LOVE	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDS; C-LK; EGRS; SOLAR TRANSFER; CMG TRANSFER; EUTEF TRANSFER; CINGUPS
DN	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	ISS CDR WHITSON	SLEEP; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; EXERCISE CEVIS; EXERCISE RED; MIDDAY-MEAL; EDR^; EDR REAR S/U; EDR^
ISS	FE-1 MALENCHENKO	SLEEP; POST SLEEP; PREP WORK; DPC; WHIAN MDW; MБИ12; CONTC; АСУ МП-ФВ MNT; СГО-АСУ-ЕК-MNT; EXERCISE TVIS; VELO; MIDDAY-MEAL; СОЖ MNT; Ф-ГЖТ MNT; GLOVE
UP	FE-2 EXP16 EYHARTS	SLEEP; POST SLEEP; PREP WORK; DPC; INST*; DCB FAM; HANDOVER; SSRMS SOLAR TRANSFER; SSRMS CMG TRANSFER; SSRMS EUTEF XFER

DAY/NIGHT

ORBIT 103 104 105 106 107 108 109 110 111

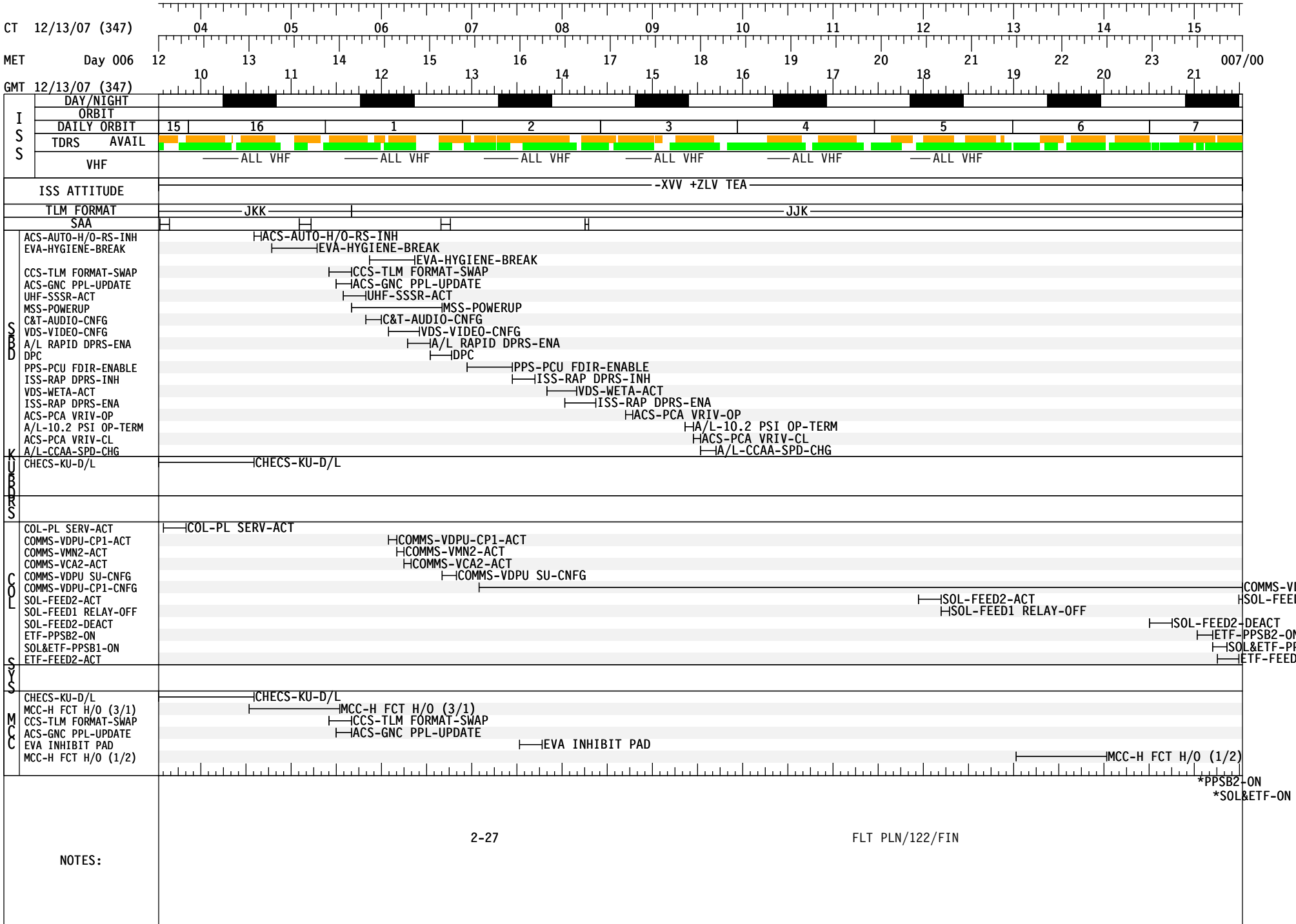
TDRS W -171.0 E -46.0 Z -275.0

ORB ATT — BIAS -XLV -ZVV

NOTES

- EXT SRVY
- *OFF
- *FILTER CHECK
- %PNL-INSTL
- *A2 KBAR CM
- #GN2-INSPCT
- *PPSB2-ON
- ^RACK ROTATE
- *PPSB2-ON
- *SOL&ETF-ON
- ^RACK ROTATE

STS-122/1E JOINT MSN SHORT TERM PLAN



NOTES:

FD08

GMT 12/13/07 (347)

MET Day 007

| | | |

FD08

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/13/07 (347) 16 17 18 19 20 21 22 23 12/14 01 02 03

MET Day 007 007/00 01 02 03 04 05 06 07 08 09 10 11 12

GMT 12/13/07 (347) 22 23 12/14 01 02 03 04 05 06 07 08 09

ISS

- DAY/NIGHT
- ORBIT
- DAILY ORBIT: 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15
- TDRS AVAIL
- VHF: ALL VHF | ALL VHF | ALL VHF | ALL VHF | ALL VHF

ISS ATTITUDE: -XVV +ZLV TEA

TLM FORMAT: JJK | JKK

SAA

SBD

- MSS-POWERDOWN
- A/L-CCAA-RECNFG
- CCS-TLM FORMAT-SWAP
- C&T-AUDIO-CNFG
- ACS-GNC PPL-UPDATE
- DPC
- UHF-SSSR-DEACT
- PPS-PCU FDIR-INHIBIT
- VDS-WETA-DEACT
- IATCS-MTL FLOW-ADJST
- VDS-VIDEO-DCNFG
- ACS-AUTO-H/O-RS-ENA
- COL-LOG FILE-D/L
- HK2-TLM-CNFG
- CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING
- PPS-PCU-DEACT

KUBDRS

- COL-LOG FILE-D/L
- CHECS-KU-D/L

COL

- COMMS-VDPU-CP1-CNFG
- SOL-FEED2-ACT
- COMMS-VCA2-DEACT
- COMMS-VMN2-DEACT
- ETF-FEED1 RELAY-OFF
- SOL-FEED2-DEACT
- SOL-FEED1-ACT
- SOL-PWR-ON
- SOL-SOVIM-C/O
- DMS-SOLA FILE-UPLK
- SOL-SOLA FILE-XFER
- SOL-SOLACES-C/O
- COL-LOG FILE-D/L
- ETF-FEED1-ACT
- SOL-SOLSPEC-C/O
- DMS-VTC TM PKT-CNFG
- SOL-CPD XCMU-CMD
- SOL-CPD-UNLK
- SOL-CPD-CALIB
- ETF-DHPU TM-C/O
- DMS-NOM TM PKT-CNFG
- SOL-CPD-C/O
- DMS-DHPU FILE-UPLK
- ETF-DHPU FILE-XFER
- ETF-DHPU TC-C/O1
- ETF-DHPU TC-C/O2
- DMS-ETF MEDET-UPL
- ETF-MEDET FILE-XFER

SYS

2-29 FLT PLN/122/FIN

MCC

- CCS-TLM FORMAT-SWAP
- ACS-GNC PPL-UPDATE
- MCC-H FCT H/O (2/3)
- CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING
- CHECS-KU-D/L

FD09

GMT 12/14/07 (348)

MET Day 007

| | | |

FD09

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/14/07 (348) 04 05 06 07 08 09 10 11 12 13 14 15

MET Day 007 12 13 14 15 16 17 18 19 20 21 22 23 008/00

GMT 12/14/07 (348) 10 11 12 13 14 15 16 17 18 19 20 21

ISS

- DAY/NIGHT
- ORBIT
- DAILY ORBIT: 15 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8
- TDRS AVAIL
- VHF: ALL VHF; ALL VHF; ALL VHF; ALL VHF; ALL VHF; ALL VHF

ISS ATTITUDE: -XVV +ZLV TEA; MNVR TO REBOOST; -XLV +ZLV; MNVR TO MATED TEA; -XVV +ZLV TEA

TLM FORMAT: JKK

SAA

SBD

- ACS-AUTO-H/O-RS-INH
- SDMS-PPL UNDCKNG-U/L
- DPC
- SPS-NOD2 DDCU-PWRDN
- THC-A/L CCAA-CONFIG
- ACS-CMG/STS ATT-H/O
- SPS-NOD2 DDCU-PWRUP
- ACS-CCDB-PARAM-UPDT
- ACS-CMG GMBL ANG-PSN
- ACS-STS/CMG ATT-H/O
- THC-BOOSTER FAN-DEAC
- ACS-MM-ACTIV W/ USTO

KUBDRS

COL

- ETF-DHPU FILE-XFER
- DMS-DHPU FILE-DWNLK
- COMMS-VMN2-ACT
- COMMS-VCA2-ACT
- COMMS-VDPU-CP1-CNFG
- EPS-EDR PDU OUTL-INH
- TCS-EDR WFSV-CL
- EDR-PCDF EU-CNCT
- EPM-RACK-ACT
- TCS-BLB-WFSV-CL
- EPS-BLB PDU OUTL-INH
- EDR-RACK-ACT
- ECS-EPM SD LMT-UPDT
- EPM-C&W-CNFG
- ECS-EDR SD LMT-UPDT
- EDR-S/S-C/O
- EDR-C&W-CNFG
- EPM-LAN-I/F-C/O
- EDR-PCDF EU-CNFG1
- EDR-PCDF EU-CNFG2
- EDR-PCDF EU-ACT
- EPM-MEEMM MU-C/O
- EDR-PCDF-EU-C/O
- COMMS-VCA2-DEACT
- COMMS-VMN2-DEACT
- COMMS-VDPU-CP1-DEAC
- EPM-CDL DMCU-C/O
- EDR-VMU-DCNFG

SYS

- IWIS-DATA-TAKE

MCC

- MCC-H FCT H/O (3/1)
- ACS-CMG GMBL ANG-PSN
- ACS-MM-ACTIV W/ USTO
- MCC-H FCT H/O (1/2)

2-31

*OFF

FD09

GMT 12/14/07 (348)

MET Day 008

		008/00 – 01	01 – 02	02 – 03	03 – 04	04 – 05	05 – 06	06 – 07	07 – 08	08 – 09	09 – 10	10 – 11	11 – 12
STS-122	CDR FRICK	NOM H2O CNFG; PCS*; H/O; PMC A/G	PRE SLEEP			SLEEP							
STS-122	PLT POINDEXTER	EXERCISE	PRE SLEEP			SLEEP							
STS-122	MS1 MELVIN	P/TV03 UNDOCK SETUP; PRE SLEEP	EXERCISE	PRE SLEEP		SLEEP							
STS-122	MS2/EV1 WALHEIM	SETUP C/L CAMR	EXERCISE	PRE SLEEP		SLEEP							
STS-122	MS3/EV2 SCHLEGEL	HATCH; CLOSE; HATCH LEAK CHECK; MUS	PRE SLEEP		DRY	SLEEP							
STS-122	MS4/EV3 LOVE	HATCH; CLOSE; HATCH LEAK CHECK	PRE SLEEP		DRY	SLEEP							
DN	FE-2 TANI		PRE SLEEP			SLEEP							
ISS	ISS CDR WHITSON	HATCH; CLOSE; EU PD; PREP WORK	DPC	PRE SLEEP-ISS		SLEEP							
ISS	FE-1 MALENCHENKO	PREP WORK	DWNLD; DPC	PRE SLEEP-ISS		SLEEP							
UP	FE-2 EXP16 EYHARTS	EXERCISE RED; LOG	PREP WORK; DPC	PRE SLEEP-ISS		SLEEP							

DAY/NIGHT

ORBIT: 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135

TDRS W -171.0 / E -46.0 / Z -275.0

ORB ATT: BIAS -XLV -ZVV

NOTES: *ACT

FD09

STS-122/1E JOINT MSN SHORT TERM PLAN

CT 12/14/07 (348) 16 17 18 19 20 21 22 23 12/15 01 02 03

MET Day 008 008/00 01 02 03 04 05 06 07 08 09 10 11 12

GMT 12/14/07 (348) 22 23 12/15 01 02 03 04 05 06 07 08 09

ISS

- DAY/NIGHT
- ORBIT
- DAILY ORBIT: 8, 9, 10, 11, 12, 13, 14, 15, 16
- TDRS AVAIL
- VHF: ALL VHF, ALL VHF, ALL VHF, ALL VHF, ALL VHF
- ISS ATTITUDE: -XVV +ZLV TEA
- TLM FORMAT: JKK
- SAA

SBD

- ACS-CMG GMBL ANG-PSN
- THC-A/L CCAA-CONFIG
- ACS-STS/CMG ATT-H/O
- ACS-MM-ACTIV W/ USTO
- DPC
- ACS-AUTO-H/O-RS-ENA
- COL-LOG FILE-D/L
- CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING
- HK2-TLM-CNFG
- CDH-EXT MDM B/U-ON
- CDH-EXT MDM-PPL LOAD
- SDMS-DATA-TAKE
- CDH-EXT MDM B/U-OFF
- AR-CDRA-DEACT
- VDS-ETVCG-ACT
- VDS-VIDEO-CNFG

KUBDRS

- COL-LOG FILE-D/L
- CHECS-KU-D/L
- VDS-ETVCG-ACT

RS

- СЗП-АБ-FULL CHRG

COL

- EPM-CDL DMCU-C/O
- DMS-DEBIE2-UPLK
- EDR-PCDF EU-DEACT
- ETF-DEBIE2 FILE-XFER
- EDR-RACK-DCNFG
- EDR-RACK-DEACT
- ETF-EUTEMP-C/O
- EPM-LOG FILE-DNLK
- COL-LOG FILE-D/L
- ETF-EXPOSE-C/O
- ETF-MEDET-C/O
- ETF-PLEGP-C/O
- DMS-VTC TM PKT-CNFG
- ETF-DEBIE2-C/O
- DMS-NOM TM PKT-CNFG
- ETF-FIPEX-C/O
- ETF-DOSTEL-C/O
- ETF-TRIBO-C/O
- COMMS-VDPU SU-CNFG
- ETF-EVC-C/O
- ETF-EXPOSE-ACT
- COMMS-VDPU-DEACT
- ETF-MEDET FILE-XFER
- ETF-EXPOSE-COMM
- ETF-MEDET-COMM

SYS

MCC

- ACS-CMG GMBL ANG-PSN
- ACS-MM-ACTIV W/ USTO
- MCC-H FCT H/O (2/3)
- CHECS-DEFIB DLY-CMD
- CHECS-COMMANDING
- CHECS-KU-D/L

FD10

GMT 12/15/07 (349) — MET Day 008

		12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–009/00
STS-122	CDR FRICK	POST SLEEP	POST SLEEP	GRPB; PRWUP; H/O; MNVR UNDK	UNDOCK OPS	FLYAROUND	SEP; S1; S2	M-ZLV; SIMO INIT; MEAL	SIMO TERM; RMS*	STBD WING SURVEY	MNOVRE; MPORT; PORT WING SURVEY		
STS-122	PLT POINDEXTER	POST SLEEP	POST SLEEP	GRPB; PRWUP; SSMV-3; MNVR UNDK	UNDOCK OPS	FLYAROUND	SEP	GRPB; PRWDN; HTRB; CABT; MCIU*; MEAL	COMM1; MNVR; STBD	EXERCISE			
STS-122	MS1 MELVIN	LOG; POST SLEEP; RMS*	POST SLEEP		UNDOCK OPS	FLYAROUND	SEP	PTVO3; DEACT; SSORS; DEACT; MEAL	RMS*	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	
STS-122	MS2/EV1 WALHEIM	LOG; POST SLEEP; UNDK; AUDIO	POST SLEEP		UNDOCK OPS	FLYAROUND	SEP	GRPB; PRWDN-4; SSV#; OIU#; MEAL	EMU INSTL	EVA UNPACK & STOW; PST ISS EVA ENT PREP		EXERCISE	
STS-122	MS3/EV2 SCHLEGEL	LOG; POST SLEEP	POST SLEEP		UNDOCK OPS	FLYAROUND	SEP	POPSYBK; MEAL	EMU INSTL	EVA UNPACK & STOW; PST ISS EVA ENT PREP	NOSE CAP SURVEY	EXERCISE	
STS-122	MS4/EV3 LOVE	LOG; POST SLEEP; RMS*	POST SLEEP		UNDOCK OPS	FLYAROUND	SEP	WLES; POST UNDK PGSC CNFG; MEAL	COND; T/D; RMS*	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	
DN	FE-2 TANI	POST SLEEP	POST SLEEP		P/TV03 UNDOCK			MEAL		EXERCISE			
ISS	ISS CDR WHITSON	POST SLEEP	DPC	PREP WORK; MTX-T; MTX-I	PMA2 DEPART CONFIG	PMA2-DEPRESS		MIDDAY-MEAL	PMA2; PLKACK; LINIT; IWIS D/L	IWIS TEAR DOWN	PMA2; PLKACK; TERM	EXERCISE TVIS	EXERCISE RED
ISS	FE-1 MALENCHENKO	POST SLEEP	DPC	PREP WORK; WINDW	PMA2 DEPART CONFIG	VELO		MIDDAY-MEAL		COX MNT		EXERCISE TVIS	DWNLD
UP	FE-2 EXP16 EYHARTS	POST SLEEP	DPC	PREP WORK; DCS; DCS; RCNFG	UNDK; UVIDEO	EXERCISE TVIS		MIDDAY-MEAL	MEC	MEC S/W	EXERCISE RED	BGB SI INSTL; BGB CI INSTL	EPM; DEACT; EPM; STOW; PCS P/D

UNDOCKING

DAY/NIGHT

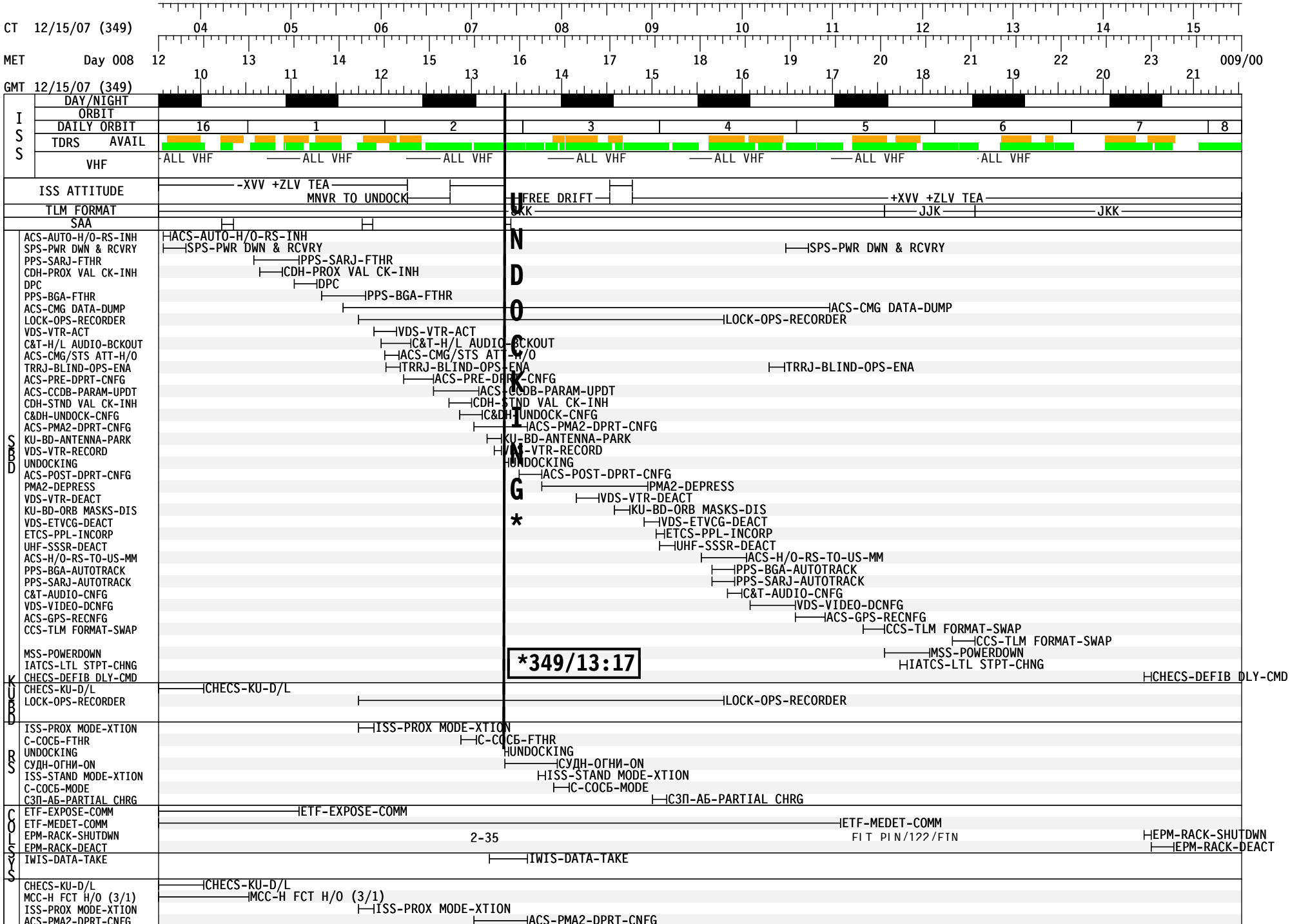
ORBIT: 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143

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; *FILTER CHECK; #DEACT; *MNVR-FLAT FIELD; ***8/15:50**

FD10 STS-122/1E JOINT MSN SHORT TERM PLAN



FD10

GMT 12/15/07 (349) 22 23 12/16 01 02 03 04 05 06 07 08 09

MET Day 009 009/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122	CDR FRICK	♣ MNVR; -ZLV; PRE SLEEP; PMC A/G; PRE SLEEP; SLEEP; POST SLEEP	
STS-122	PLT POINDEXTER	PRE SLEEP; LDRI DNLK; PRE SLEEP*; CDM-A; SLEEP; CDM-D; POST SLEEP	
STS-122	MS1 MELVIN	⊕; OBSS BERTH; RMS; PWRDN; PRE SLEEP; SLEEP; LOG; POST SLEEP	
STS-122	MS2/EV1 WALHEIM	PRE SLEEP; SLEEP; LOG; POST SLEEP	
STS-122	MS3/EV2 SCHLEGEL	MUS; PRE SLEEP; SLEEP; LOG; SLVA; DRY; POST; SLEEP	
STS-122	MS4/EV3 LOVE	♦; OBSS BERTH; RMS; PWRDN; PRE SLEEP; SLEEP; LOG; SLVA; DRY; POST; SLEEP	
DN	FE-2 TANI	PRE SLEEP; SLEEP; SLVA; DRY; POST; SLEEP	
ISS	ISS CDR WHITSON	PRE SLEEP-ISS; SLEEP; POST SLEEP	
ISS	FE-1 MALENCHENKO	PRE SLEEP-ISS; SLEEP; POST SLEEP	
UP	FE-2 EXP16 EYHARTS	PRE SLEEP-ISS; SLEEP; POST SLEEP	

DAY/NIGHT

ORBIT 143 144 145 146 147 148 149 150

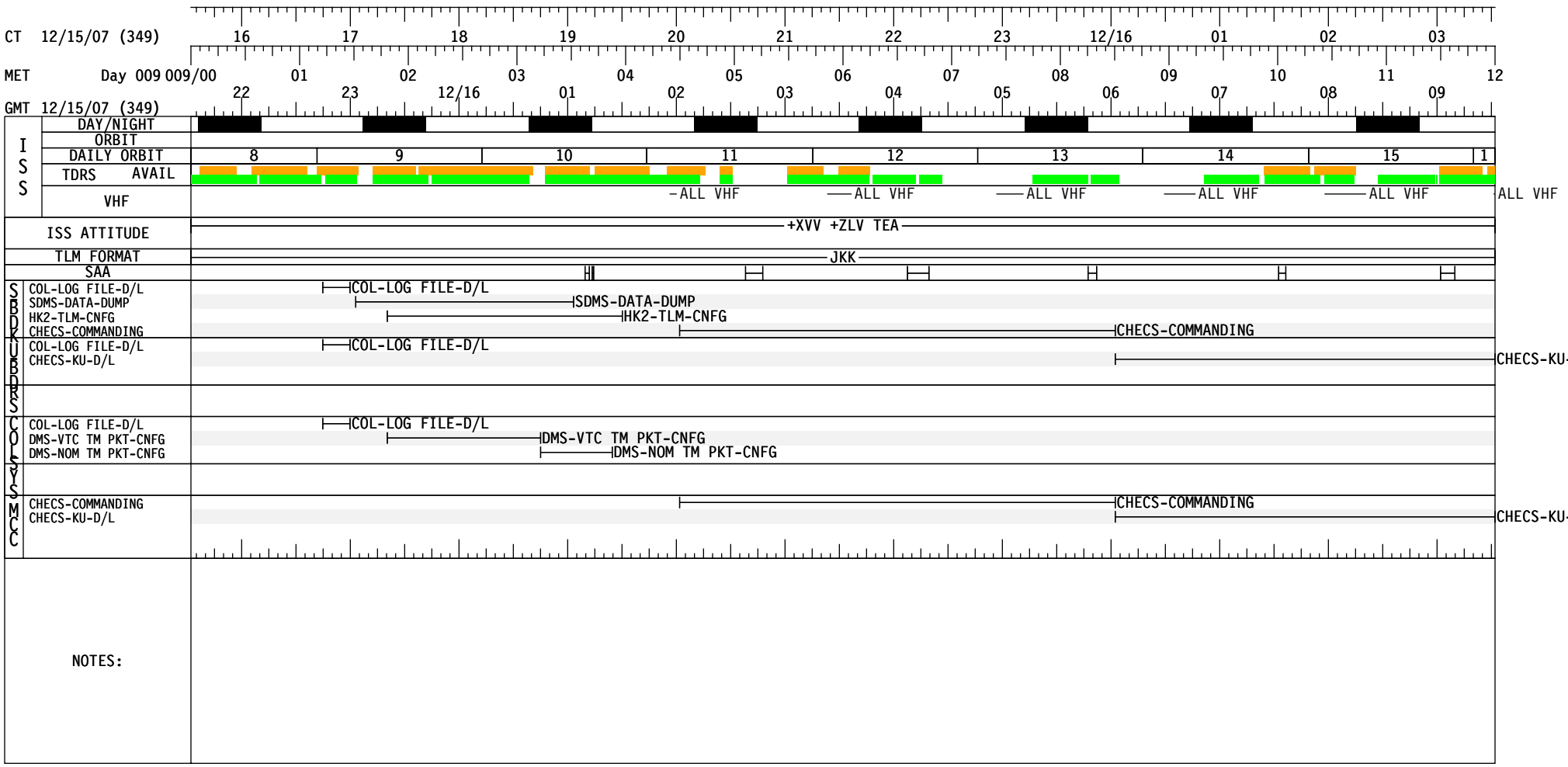
TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -ZLV -XVV

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

| | | |

FD11

GMT 12/16/07 (350) 22 23 12/17 01 02 03 04 05 06 07 08 09

MET Day 010 010/00 01 02 03 04 05 06 07 08 09 10 11 12

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: 159 160 161 162 163 164 165 166

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT: -ZLV -XVV

GND: —DFR -DFR -DFR —DFR —DFR -DFR; —MLA —MLA

NOTES: *COOLING CNFG

FD12

GMT 12/17/07 (351) 10 11 12 13 14 15 16 17 18 19 20 21

MET Day 010 12 13 14 15 16 17 18 19 20 21 22 23 011/00

STS-122

CDR FRICK	POST SLEEP	MADS*	PMC A/G	GRPB	PWRUP	IMU ALIGN & VERIF	TRK	-XSI	DEORBIT PREP	KSC DEORBIT TIG*	KSC LANDING*	
PLT POINDEXTER	POST SLEEP	GRPB	PWRUP	POST SLEEP					DEORBIT PREP			
MS1 MELVIN	POST SLEEP					WATCH	OCAC	STOW	DEORBIT PREP			
MS2 WALHEIM	POST SLEEP				WATCH	AIR*	GIRA	DEACT	DEORBIT PREP			
MS3 SCHLEGEL	POST SLEEP					MUSS	WATCH	STOW*	DEORBIT PREP			
MS4 LOVE	POST SLEEP					WATCH	PGSC STOW PART II		DEORBIT PREP			
FE-2 EXP15 TANI	POST SLEEP					WATCH			DEORBIT PREP			

DAY/NIGHT

ORBIT 167 168 169 170 171 172 173 174

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -ZLV -XVV -XSI COMM LANDING

GND —MLA —DFR —DFR

NOTES *ENABLE *SAMPLE *SALIVA KIT

***KSC TIG 10/18:56** ***KSC LANDING 10/19:58**

DETAILED TIMELINE

STS-122 FD (01)

GMT Date 12/06 (340) | TDRS W E Z | DORB DORB | MET Day 000 | STS ATT

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

00:00 — 22:00 — 23:00 — 00:00 — 01:00 — 02:00 — 03:00 — 04:00

7 2

8 3

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.

FD01 EZ ACTIVITIES:
- PCS 1(2) CONFIG (ORB OPS, ECLS)
  - Config PCS 1 with 14.7 CAB REG INLET SYS 1,2 VLV - CL
- LAMP TEST (ORB OPS, EPS)
- SMK DETN CKT TEST (ORB OPS, ECLS)
- CSA-CP BATTERY CHANGEOUT (ORB OPS, CSA-CP)
- CSA-CP CHECKOUT AND ZERO CALIBRATION OPS (ORB OPS, CSA-CP)
- VTR CLOCK SET (PHOTO/TV, DTV) if not performed for PLBD rec
- **MS2&MS3**: If PMZ Req'd, perform PMZ PROTOCOL (ORB OPS, SDBI)

ASCENT | OMS2 | BIAS -ZLV +YVV | NC1 | -ZLV -XVV

ON-ORBIT OMS BURN
(ORB OPS, OMS)

< NC1 TIG (0/02:55:28)

MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A6/AUTO/ALT Init TRK

PRIORITY PWRDN GRP B
(ORB PKT, PRIOR PWRDN)
Omit Steps 3,7 & 10 (Single G2)

IMU ALIGN - S TRK (ORB OPS, GNC)

AFT CONTROLLER C/O
(ORB OPS, GNC)

ELEVON PARK, GNC 201
(ORB OPS, GNC)

ON-ORBIT OMS BURN
(ORB OPS, OMS)

< NC1 TIG (0/02:55:28)

PRIORITY PWRDN GRP B
(ORB PKT, PRIOR PWRDN)
Omit Steps 3,7 & 10 (Single G2)

P/TV01 VIDEO SETUP
(PHOTO/TV, SCENES)

ON-ORBIT INITIALIZATION
(PDRS, ON-ORBIT INIT)

OCAC SETUP
(ORB OPS, CREW SYS)

SSV NOMINAL SETUP
(PHOTO/TV, SSV)
SSV OUTRATE - 4

DON ACTIWATCH (ORB OPS, SDBI)

DATE/TIME SET
(PHOTO/TV, DCS 760)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

UPLINK
β21 + Mask

UPDATE ORBITAL MNVR PAD

STS-122 FD (01)

GMT Date 12/06 (340) | Z | TDRS W | TDRS E | DORB | ORB | MET Day 000 | STS ATT | MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | FE-2 (UP) EYHARTS | NOTES

00:00, 22:00, 23:00, 00:00, 01:00, 01:00, 02:00, 03:00, 04:00

7 2

8 3

TASCENT | OMS2 | BIAS -ZLV +YVV | NC1 | -ZLV -XVV

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

MS2 WALHEIM

ON-ORBIT OMS BURN
(ORB OPS, OMS)

< NC1 TIG (0/02:55:28)

APCU ACTIVATION A

GIRA INSTALLATION
(ORB OPS, ECLS)

MS3 SCHLEGEL

PGSC SETUP (PART I)
Setup the minimum config:
PGSC NETWORK (ORB OPS, PGSC)
Setup KFX, OCA Router, WLES & WORLDMAP
COLOR PRNTR UNSTOW & ASSMBLE
(ORB OPS, PGSC)
PGSC HARD DISK LATE UPDATE
Update all Network PGSCs with late update disk carried onboard except for OCA Router

MS4 LOVE

ON-ORBIT INITIALIZATION
(PDRS, ON-ORBIT INIT)

L17 Check MCIU filter screen

PGSC SETUP (PART I)
Setup the minimum config:
PGSC NETWORK (ORB OPS, PGSC)
Setup KFX, OCA Router, WLES & WORLDMAP
COLOR PRNTR UNSTOW & ASSMBLE
(ORB OPS, PGSC)
PGSC HARD DISK LATE UPDATE
Update all Network PGSCs with late update disk carried onboard except for OCA Router

DON ACTIWATCH (ORB OPS, SDBI)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FE-2 (UP) EYHARTS

MUS(LBP-MUS) QSTION(ASSY PL, QSTION)

MOTION PERCEPTION QUESTIONNAIRE
(ASSY PAYLOADS, QUESTIONNAIRES)

DON ACTIWATCH (ORB OPS, SDBI)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

UPDATE ORBITAL MNVR PAD

STS-122 FD (01)

GMT Date 12/07 (341) | W | TDRS E | TDRS Z | DORB 8 9 10 11 | ORB 3 4 5 6 | MET Day 000 | STS ATI -ZLV -XVV MNVR

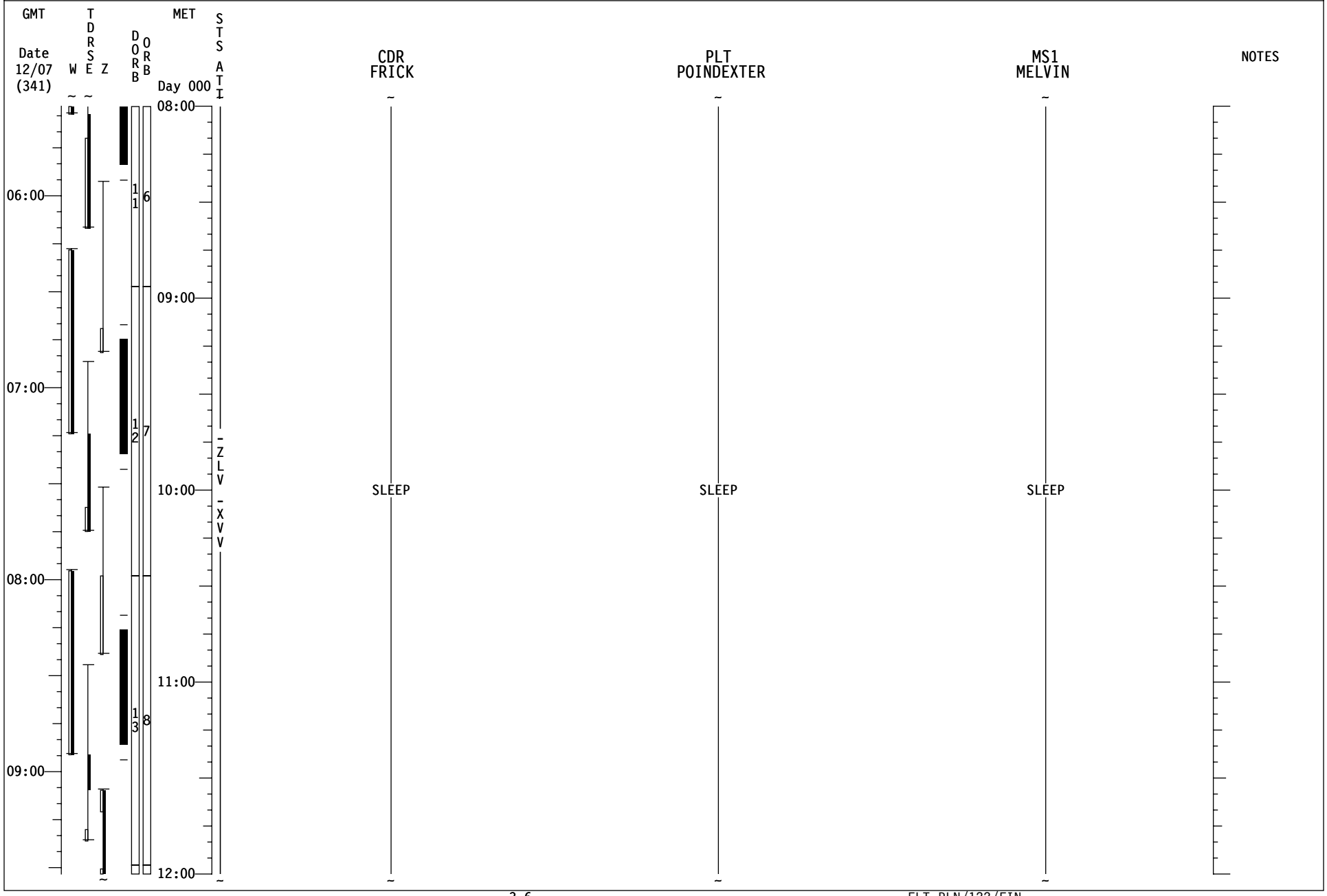
GMT	MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
04:00		INSTALL BLEED ORIFICE [A] Perform Post GIRA INSTALL: SHUTTLE EMERGENCY EYEWASH (SEE) Unstow, attach on or near galley Fill one drink container and label it "FOR EYE RINSE ONLY" and attach on or near galley	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
02:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UMBILICAL WELL TPS CAMR IMGRY D/L (ORB OPS, PGSC)		
05:00		PRIVATE MEDICAL CONFERENCE PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) √HUM SEP for H2O Accumulation		
03:00					
06:00		APU FD1 RECONFIGS R2 BLR PWR(three)-OFF A12 APU HTR GG/FU PMP(three)-A AUTO	[A] MO69M Insert Bleed Orifice Assembly into LEH O2 8 QD LEH O2 8 vlv-OP		
04:00					
07:00		SLEEP	SLEEP	SLEEP	
05:00					
08:00					

STS-122 FD (01)

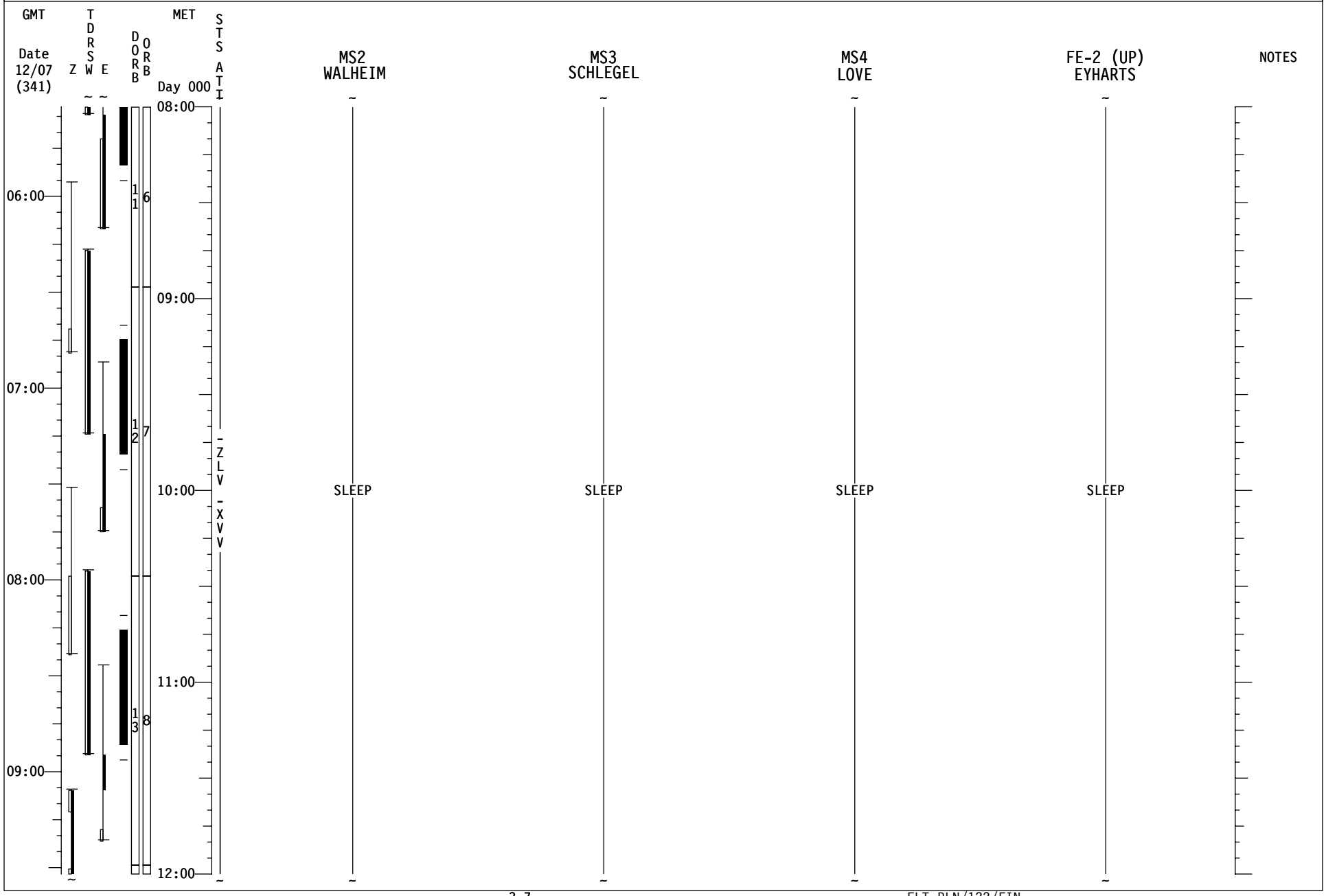
GMT Date 12/07 (341) | Z | TDRS W | E | DORB 8 9 10 11 | ORB 3 4 5 6 | MET Day 000 | STS ATI -ZLV -XVV MNVR

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
04:00	GIRA INSTALLATION (ORB OPS, ECLS) DCS FILE XFER (PHOTO/TV,DCS 760) ET HANDHELD PHOTO DON ACTIWATCH (ORB OPS, SDBI) PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) ET HANDHELD VIDEO D/L KU TDRW (01:55-02:23) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PGSC SETUP (PART I) Setup the minimum config: PGSC NETWORK (ORB OPS, PGSC) Setup KFX, OCA Router, WLES & WORLDMAP COLOR PRNTR UNSTOW & ASSMBLE (ORB OPS, PGSC) PGSC HARD DISK LATE UPDATE Update all Network PGSCs with late update disk carried onboard except for OCA Router ACTIVATION & CHECK OUT (ORB OPS, WLE SENSORS) Prior to start, √ Late Update complete on WLES & WORLDMAP PGSCs DON ACTIWATCH (ORB OPS, SDBI) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
05:00					
06:00					
07:00	SLEEP	SLEEP	SLEEP	SLEEP	
08:00					

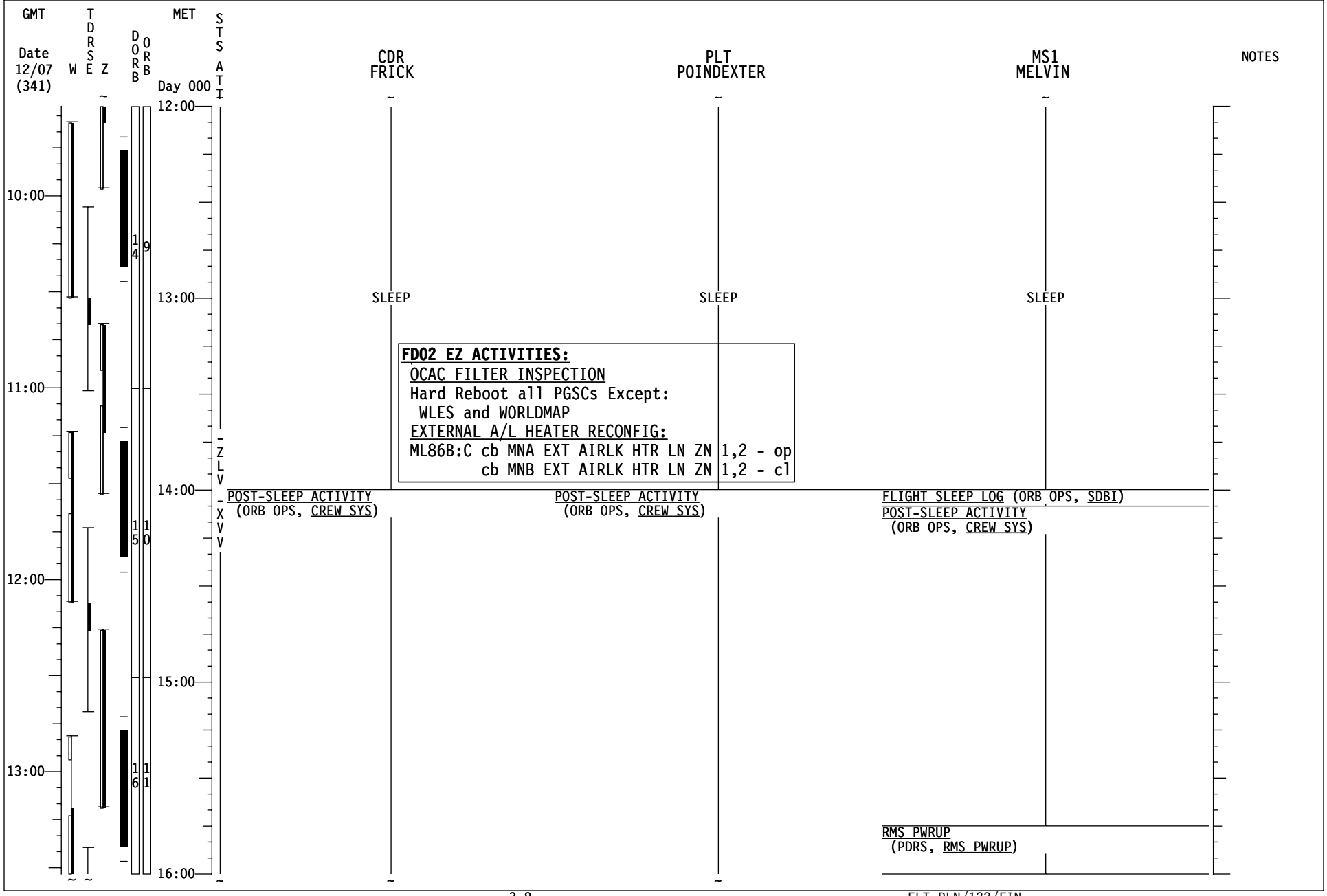
STS-122 FD (01)


GMT
Date
12/07
(341)
W
TDRSE
Z
DORB
ORB
MET
Day 000
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
11
12
13
6
7
8
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

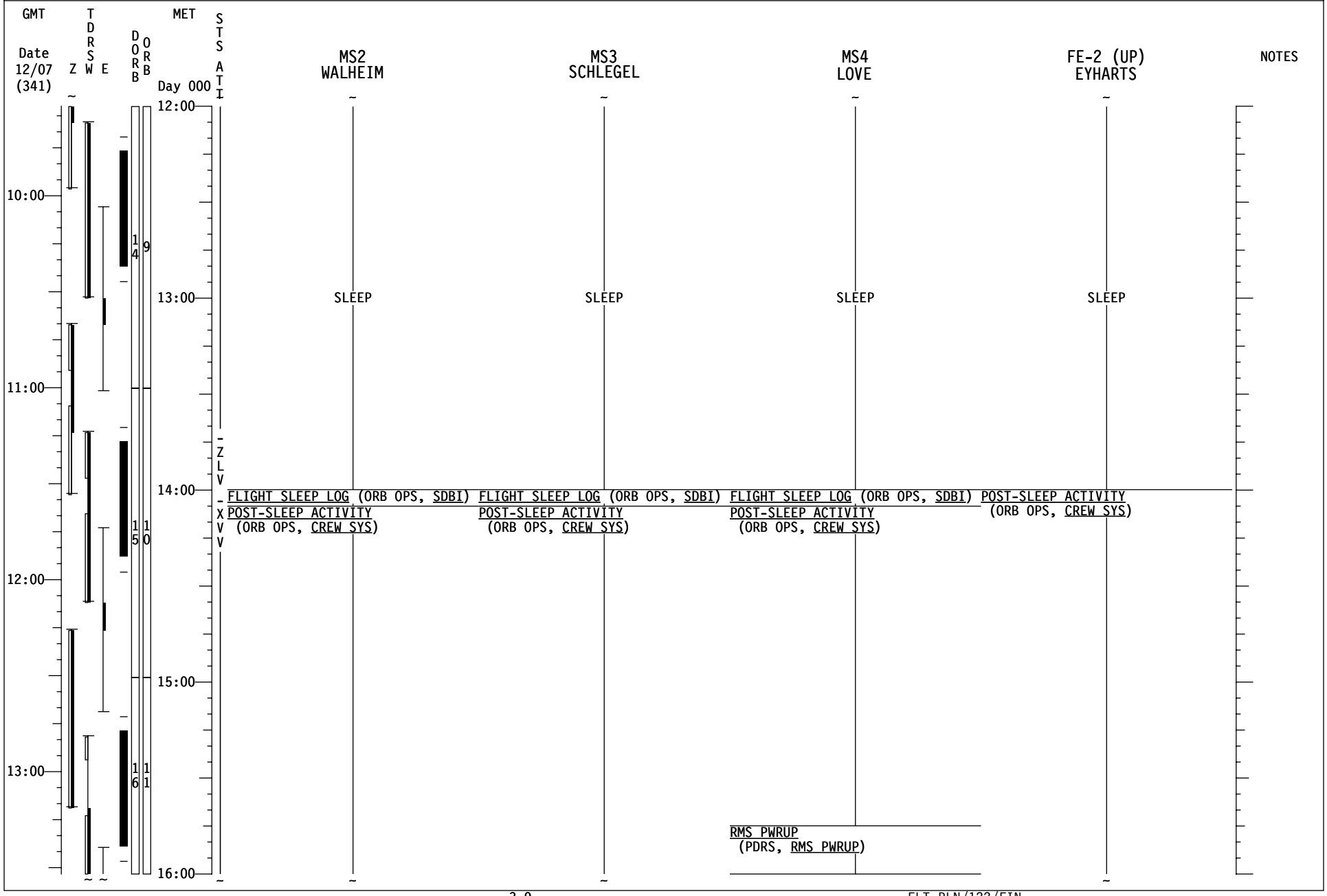
STS-122 FD (01)


GMT
Date
12/07
(341)
Z
T
D
R
S
W
E
D
O
R
B
O
R
B
MET
Day 000
S
T
S
A
T
I
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
FE-2 (UP)
EYHARTS
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
11
12
13
6
7
8
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP

STS-122 FD (02)


GMT
Date 12/07 (341)
W
TDRSS
Z
DORB
ORB
MET
Day 000
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
12:00
10:00
13:00
11:00
14:00
12:00
15:00
13:00
16:00
14
9
15
10
16
11
-ZLV-XVV
SLEEP
SLEEP
SLEEP
FD02 EZ ACTIVITIES:
OCAC FILTER INSPECTION
Hard Reboot all PGSCs Except:
WLES and WORLDMAP
EXTERNAL A/L HEATER RECONFIG:
ML86B:C cb MNA EXT AIRLK HTR LN ZN 1,2 - op
cb MNB EXT AIRLK HTR LN ZN 1,2 - cl
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
RMS PWRUP
(PDRS, RMS PWRUP)

STS-122 FD (02)


GMT
Date
12/07
(341)
Z
T
D
R
S
W
E
D
O
R
B
O
R
B
MET
Day 000
S
T
S
A
T
I
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
FE-2 (UP)
EYHARTS
NOTES
12:00
10:00
13:00
11:00
14:00
12:00
15:00
13:00
16:00
14
19
15
10
16
11
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
RMS PWRUP
(PDRS, RMS PWRUP)

STS-122 FD (02)

GMT Date 12/07 (341) | W | TDRS E | TDRS Z | DORB | ORB | MET Day 000

STS ATI: -ZLV -XVV NC2 STBD SURVEY

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS CHECKOUT (PDRS, RMS C/O)	
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
< NC2 TIG (0/17:09:36)	< NC2 TIG (0/17:09:36)	B L12(SSP1) APCU 2 CONV - OFF(tb-bp) OUTPUT RLY - OP(tb-bp)	
MNVR (TRK) BIAS -ZLV +XVV (Flat Field) TG=2 BV=3 OM=160 A1/AUTO/VERN Init TRK	APCU CONFIG FOR OBSS UNBERTH B Expect 'S200 APCU2 VOLT LMT' Msg		
RCS/OMS HEATER RECONFIG A	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	OBSS UNBERTH (PDRS, OBSS OPERATIONS)	
IMU ALIGN - S TRK (ORB OPS, GNC)			
A A14 RCS/OMS HTR L POD A - OFF B - AUTO R POD A - OFF B - AUTO			
	CRYO O2 TK HTR SNSR CK (ORB OPS, EPS)		
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=345 A14/AUTO/VERN Init TRK			
OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	FILTER CLEANING (IFM,SCHEDULED MAINTENANCE)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
	O2 REPRESS INIT C5 DIRECT O2 vlv - OP		
	O2 REPRESS TERM on MCC GO C5 DIRECT O2 vlv - CL		

STS-122 FD (02)

GMT Date 12/07 (341) | Z | TDRS W | TDRS E | DORB 16 | DORB 11 | DORB 12 | DORB 13 | DORB 14 | MET Day 000 | STS ATI -ZLV -XVV NC2 STBD SURVEY

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS CHECKOUT (PDRS, RMS C/O)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00					
	ON-ORBIT OMS BURN (ORB OPS, OMS) Do not load DAPs A1 and B1 until maneuver is complete	PGSC SETUP (PART II) Setup the remaining PGSCs PGSC NETWORK (ORB OPS, PGSC) LOCKER STOWAGE UPDATE Update remaining PGSC locker stow with disk carried onboard except for OCA Router	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPDATE ORBITAL MNVR PAD
17:00	< NC2 TIG (0/17:09:36)				
15:00			OBSS UNBERTH (PDRS, OBSS OPERATIONS)		
		CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP		CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	
18:00					
16:00	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	TRANSFER OPS Ref. Transfer List & MSG XXX	
19:00	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs			
17:00					
				EXERCISE	
20:00					

STS-122 FD (02)

GMT Date 12/07 (341) | W | TDRS E | TDRS Z | DORB 3 | DORB 4 | DORB 5 | ORB 14 | ORB 15 | ORB 16 | MET Day 000 | STS ATI

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
20:00	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
		MNVR (TRK) BIAS +XSI (Nose Cap) TG=4 BV=5 P=330 Y=0 OM=185 A14/AUTO/VERN Init TRK		
18:00	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)			
		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE		
21:00		FC PURGE - MANUAL (ORB OPS, EPS)		
		R2 BLR CNTLR/HTR (three) - B		
19:00				
	MEAL	MEAL	MEAL	
22:00				
20:00	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)	
23:00				
21:00				
00:00				

NOSE SURVEY

PORT SURVEY

STS-122 FD (02)

GMT Date 12/07 (341) | Z | TDRS W | TDRS E | DORB 3 | DORB 4 | DORB 5 | ORB 14 | ORB 15 | ORB 16 | MET Day 000

STS ATT: NOSE SURVEY; PORT SURVEY

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	EXERCISE	
EXERCISE	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE	
			SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #1 Ref. MSG XXX	
MEAL	MEAL	MEAL	MEAL	
EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	
		EXERCISE		

STS-122 FD (02)

GMT Date 12/07 (341) | W | TDRS E | TDRS Z | DORB 6 | DORB 7 | DORB 8 | ORB 17 | ORB 18 | ORB 19 | MET Day 001

22:00 | 23:00 | 00:00 | 01:00

STS ATT

BIAS -ZLV +YVV

NC3

-ZLV -XVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
00:00	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	
	MNVR (TRK) BIAS -ZLV +YVV TG=2 BV=3 OM=150 A14/AUTO/VERN Init TRK	EXERCISE	OBSS BERTH (PDRS, OBSS OPERATIONS)	
	L12(SSP1) APCU 2 OUTPUT RLY - CL CONV - ON (tb-gray)		[A] A8U PARAM - PORT TEMP JOINT - CRIT TEMP	
01:00		P/TV08 EXTERNAL SURVEY (S/U) (P/TV, SCENES) Step 1	RMS PWRDN (PDRS, RMS PWRDN) [A] Step 1 only	
		P/TV08 EXTERNAL SURVEY (OPS) (P/TV, SCENES) Item 1	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) LDRI SURVEYS	
	EXERCISE	FCMS OPS (ORB OPS, EPS)		
	ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)		
02:00	< 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)	
		CDM SETUP & BATT C/O (ORB OPS, CDM DTO) Loc 1		TFL 188
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
	PRIVATE MEDICAL CONFERENCE			
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
04:00				

STS-122 FD (02)

GMT Date 12/07 (341) | Z | TDRS W | TDRS E | DORB | ORB | MET Day 001 | STS ATI

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | FE-2 (UP) EYHARTS | NOTES

00:00

OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)

EXERCISE

OBSS BERTH
(PDRS, OBSS OPERATIONS)

22:00

6 17

BIAS - ZLV + YVV

C/L CAMR INSTALL
(PHOTO/TV, C/L CAMR)

C/L CAMR INSTALL
(PHOTO/TV, C/L CAMR)

RMS PWRDN (PDRS, RMS PWRDN) A
Step 1 only
A8U PARAM - PORT TEMP
JOINT - CRIT TEMP

PRIVATE MEDICAL CONFERENCE

01:00

23:00

DOCKING MECH INITIALIZATION
DOCKING MECH POWERUP
DOCKING RING EXTENSION
DOCKING MECH POWERDOWN
(RNDZ, APDS)

DOCKING MECH INITIALIZATION
DOCKING MECH POWERUP
DOCKING RING EXTENSION
DOCKING MECH POWERDOWN
(RNDZ, APDS)

ON-ORBIT +X RCS BURN
(ORB OPS, RCS)

02:00

NC3

< NC3 TIG (01/02:16:02)

7 18

DISABLE WLES FILE BACKUP(ORB OPS, WLES)
HANDHELD LIDAR C/O
(RNDZ, RNDZ TOOLS)

EXERCISE

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

00:00

MUS(LBP-MUS) QSTION(ASSY PL, QSTION)
MOTION PERCEPTION QUESTIONNAIRE
(ASSY PAYLOADS, QUESTIONNAIRES)

LBP-MUSCLE QSTION(ASSY PL, QSTION)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

03:00

ZLV - XVV

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

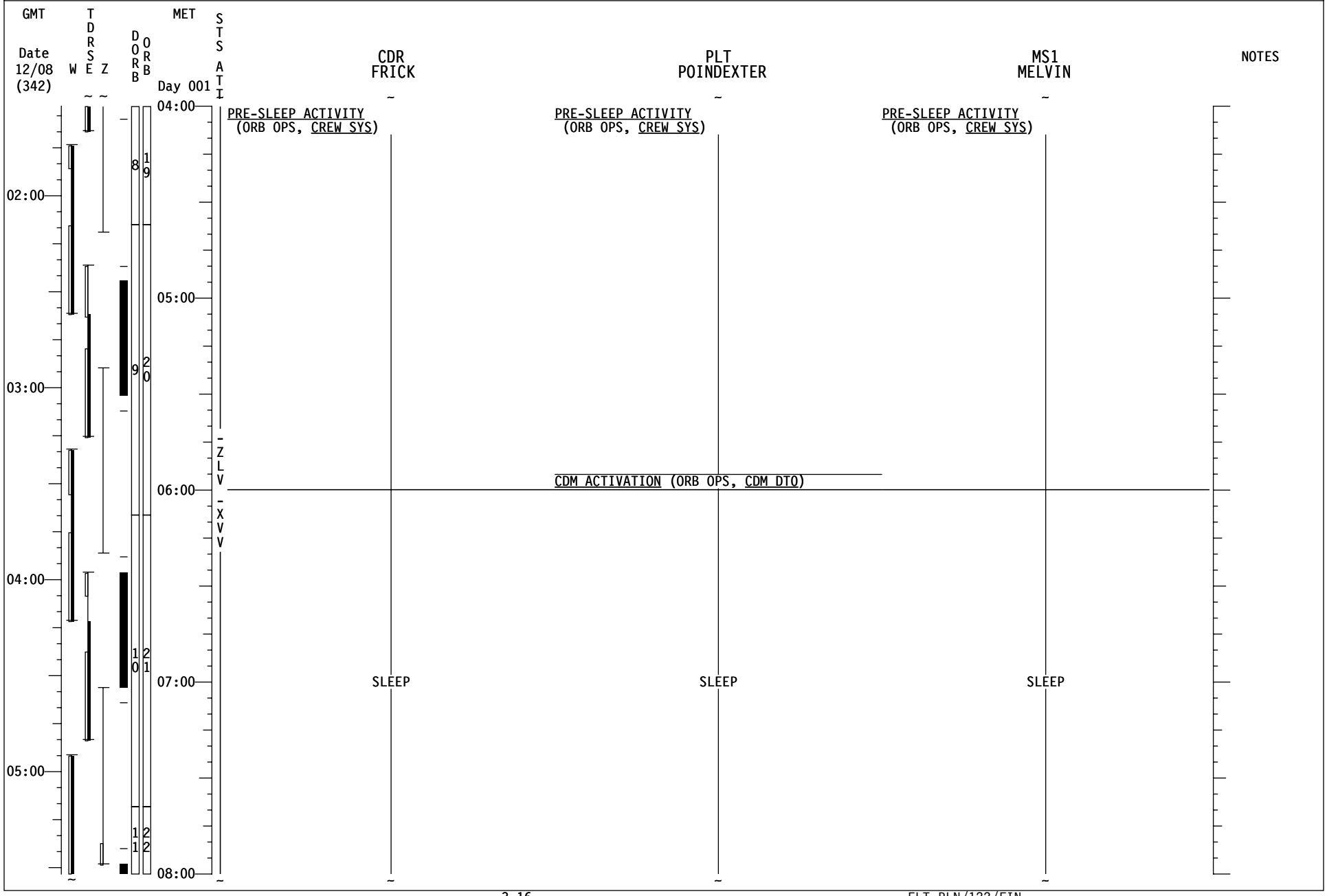
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

01:00

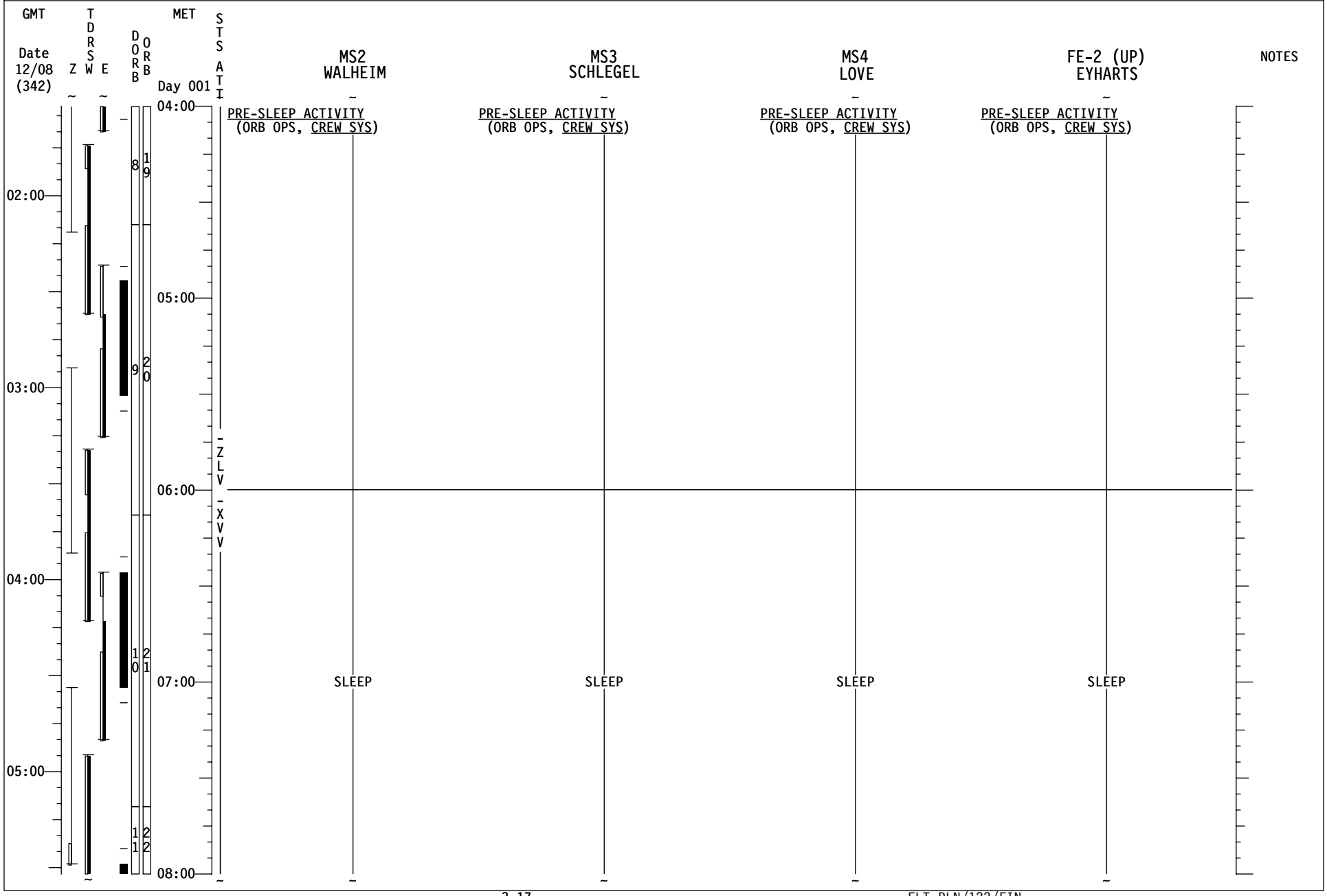
8 19

04:00

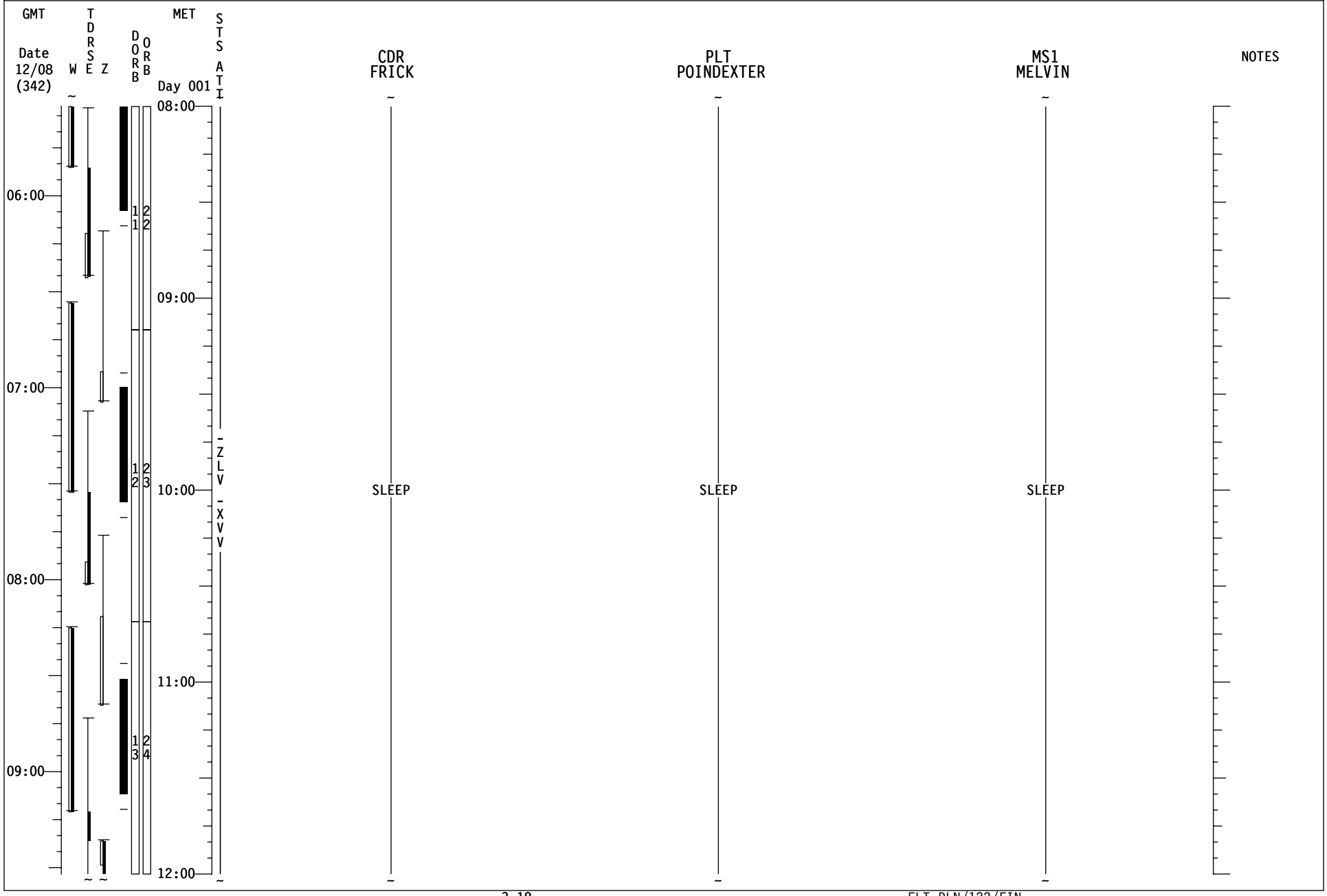
STS-122 FD (02)


GMT
Date
12/08
(342)
W
TDRSE
Z
DORB
ORB
MET
Day 001
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
CDM ACTIVATION (ORB OPS, CDM DTO)
SLEEP
SLEEP
SLEEP
8
9
10
11
19
20
21
22
-ZLV
-XVV

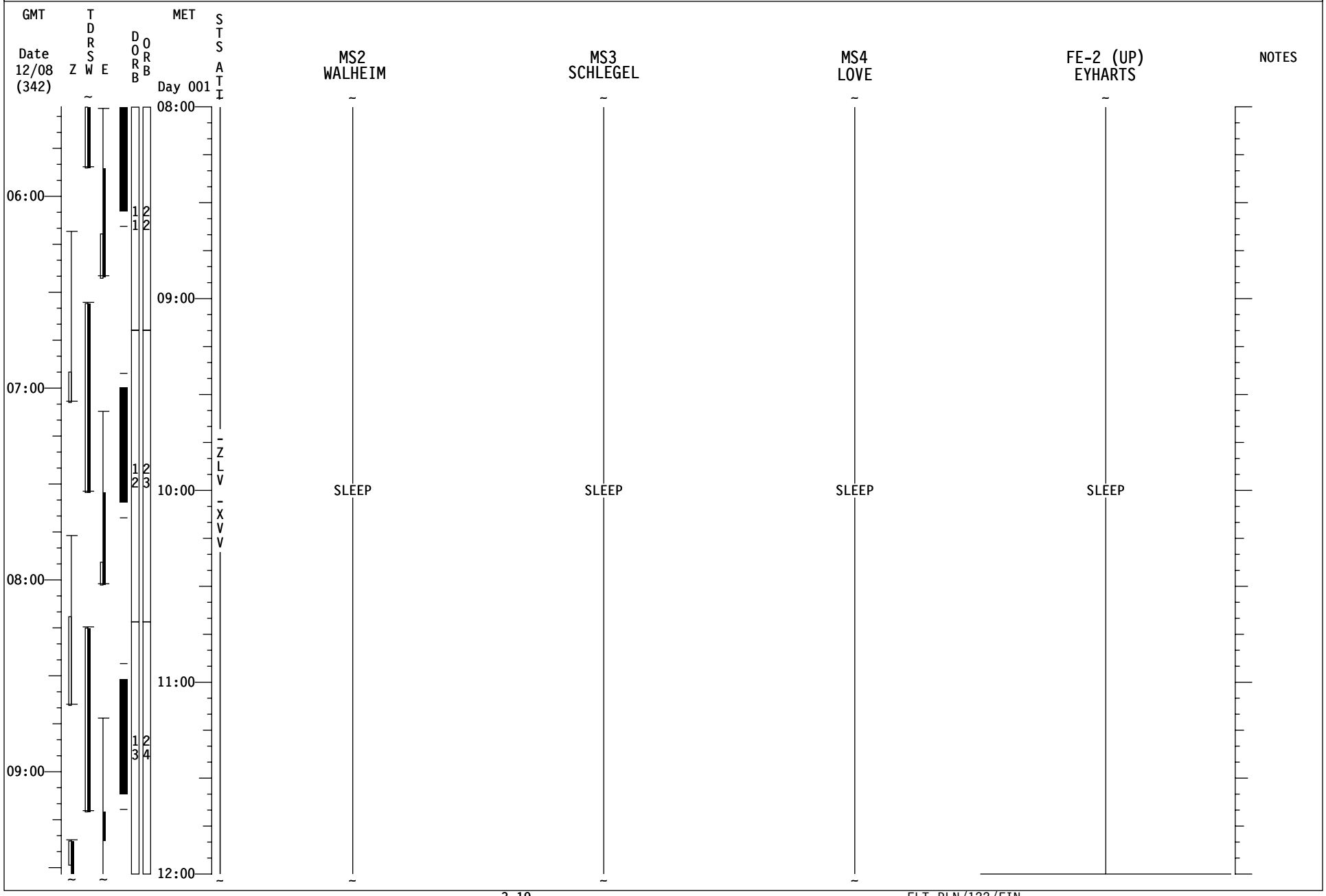
STS-122 FD (02)


GMT
Date
12/08
(342)
Z
T
D
R
S
W
E
D O R B
O R B
MET
Day 001
S T S A T I
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
FE-2 (UP)
EYHARTS
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
8
9
10
11
19
20
21
22
-ZLV
-XVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP

STS-122 FD (02)


GMT
Date
12/08
(342)
W
TDRSE
Z
DORB
ORB
MET
Day 001
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
11
12
13
22
23
24
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

STS-122 FD (02)


GMT
Date
12/08
(342)
Z
T
D
R
S
W
E
D
O
R
B
O
R
B
MET
Day 001
S
T
S
A
T
I
08:00
06:00
09:00
07:00
10:00
08:00
11:00
09:00
12:00
1
1
2
2
1
2
2
3
1
3
2
4
-
Z
L
V
-
X
V
V
MS2
WALHEIM
SLEEP
MS3
SCHLEGEL
SLEEP
MS4
LOVE
SLEEP
FE-2 (UP)
EYHARTS
SLEEP
NOTES

STS-122 FD (03)

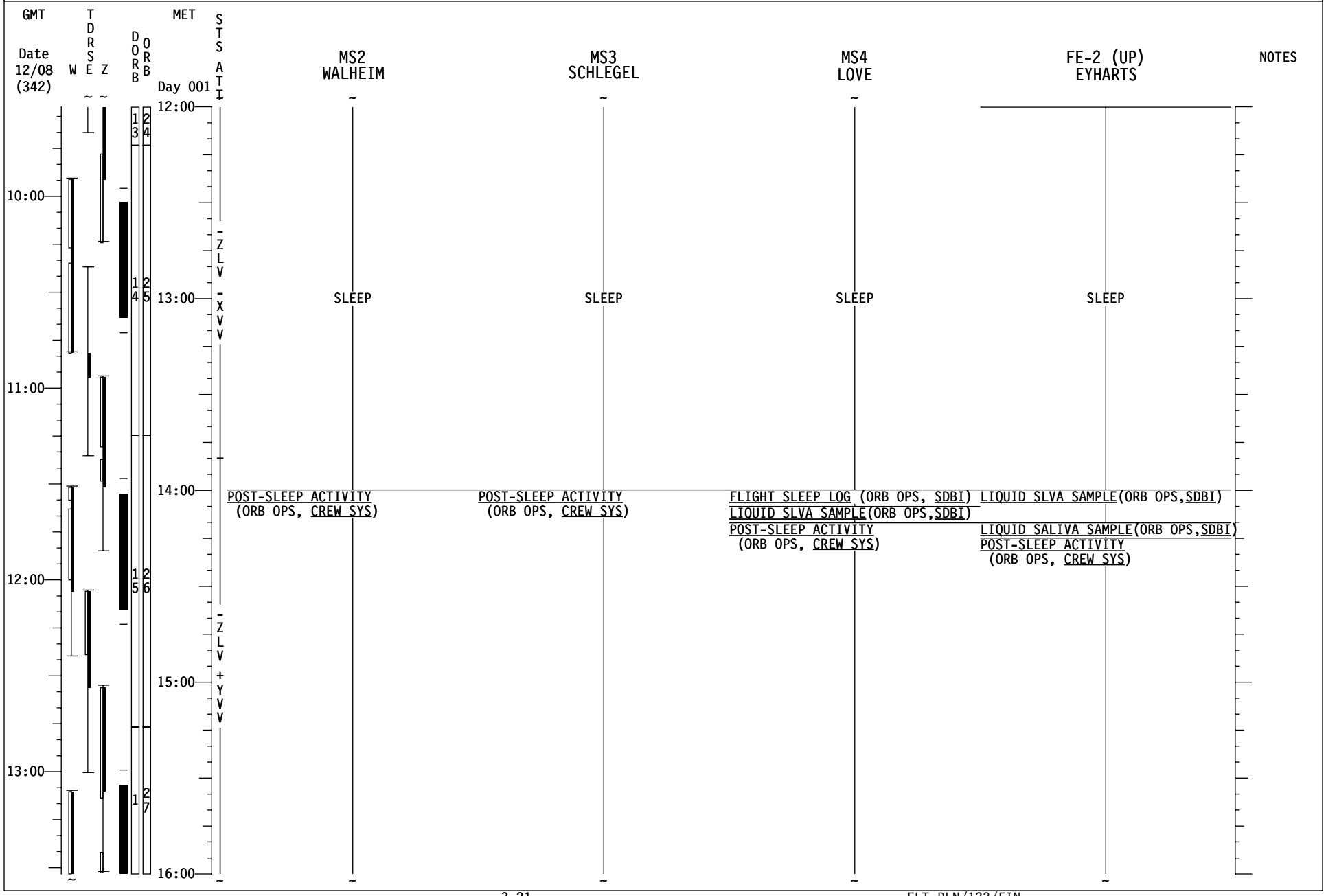
GMT Date 12/08 (342) | W | TDRSE | Z | DORB 13 14 15 17 | ORB 24 25 26 27 | MET Day 001 | STS ATT -ZLV -XVV -ZLV +YVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
12:00				
10:00				
13:00	SLEEP	SLEEP	SLEEP	
11:00				
14:00	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump	CDM DEACTIVATION (ORB OPS, CDM DTO)	FLIGHT SLEEP LOG (ORB OPS, SDBI)	
		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
12:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
15:00		IMU ALIGN - S TRK (ORB OPS, GNC)		
		RCS REGULATOR RCNFG (ORB OPS, RCS)		
13:00	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply/Waste Dump	L17 Check MCIU filter screen		
		PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12,9,6(Triple G2),5	PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12,9,6(Triple G2),5	
	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
16:00				

< MNVR WATER DUMP ATT

FD03 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES AND WORLDMAP

STS-122 FD (03)


GMT
Date 12/08 (342)
W
TDRS E
Z
DORB 13 14 15
ORB 24 25 26 27
MET
Day 001
STS ATI
-ZLV -XVV
-ZLV +YVV
10:00
11:00
12:00
13:00
12:00
13:00
14:00
15:00
16:00
MS2 WALHEIM
SLEEP
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
MS3 SCHLEGEL
SLEEP
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
MS4 LOVE
SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FE-2 (UP) EYHARTS
SLEEP
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
LIQUID SALIVA SAMPLE(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
NOTES

STS-122 FD (03)

GMT Date 12/08 (342) | W | TDRS E | TDRS Z | DORB 1 2 3 4 | ORB 27 28 29 30 | MET Day 001 | STS ATI

GMT	MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
14:00	16:00	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		< NC4 1/16:24:54	**TRANSITION TO RNDZ C/L at MET 01/15:39:54**		
			RNDZ PET 00:00 (Ti) at MET 01/17:56:13	P/TVO2 DOCK (PHOTO/TV, SCENES) Setup	
15:00	17:00			N2 REPRESS USING PAYLOAD N2 VLVS [A]	
			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		
				EXERCISE	
16:00	18:00	< Ti 1/17:56:13 (RNDZ)		N2 REPRESS USING PAYLOAD N2 VLVS [B] RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	
			B N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) On MCC Go, perform steps 7-12 MCC will TMBU all S/W limits		UPLINK β21 Only Box 90
17:00	19:00	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	
	20:00				

STS-122 FD (03)

GMT Date 12/08 (342) | W | T D R S E Z | D O R B 1 2 3 4 | O R B 27 28 29 30 | MET Day 001 | STS ATI RNDZ

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)		SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform SETUP	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	
14:00					
17:00		RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)		P/TVO2 DOCK (PHOTO/TV, SCENES) Ops	
	SSP1 OIU PWR - OIU 1 ON (tb-UP) SSV OUTRATE - 3 RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)		EXERCISE		TFL 192
15:00					
		MIDDECK PREP (EVA, EVA PREP) Steps 9-12	MIDDECK PREP (EVA, EVA PREP) Steps 9-12		
18:00		EMU REMOVAL (EVA, AIRLOCK CONFIG)	EMU REMOVAL (EVA, AIRLOCK CONFIG)		
16:00		P/TVO2 DOCK (PHOTO/TV, SCENES) Ops	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	
19:00					
17:00	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)		APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	
20:00					

STS-122 FD (03)

GMT Date 12/08 (342) | W | TDRS E | TDRS Z | DORB 4 | DORB 5 | DORB 6 | ORB 30 | ORB 31 | ORB 32 | MET Day 001

STS ATI: RNDZ | DOCK | BIAS -XLV -ZVV

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	UPLINK β21 Only Box 20,21
DOCKING (20:43:43)	RETURN TO FLIGHT PLAN		
OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) Pre-Grapple MNVR, Steps 1-2	√DAP A/LVLH/VERN MNVR (TRK) BIAS -XLV, -ZVV TG=2 BV=5 P=159.68 Y=353.90 OM=184.25 Init TRK, DAP:FREE >2 sec Then: DAP:A12/AUTO/VERN	OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) Pre-Grapple MNVR, Steps 1-2	
PRIORITY PWRDN GRP B (ORB PKT) Steps 6(Single G2) and 12 O6 S TRK PWR -Z - OFF	PRIORITY PWRDN GRP B (ORB PKT) Steps 6(Single G2) and 12 O6 S TRK PWR -Z - OFF		
JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Setup	
JOINT OPS: 2.104 HATCH OPENING AND STS/ISS DUCT INSTALLATION	SSV OUTRATE - 2		TFL 184
		P/TV05 ISS INTERNAL OPS (HC) (PHOTO/TV, SCENES) Setup	
SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	
P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Configure BPSMU & RWS Cables	POST-DOCKING EVA TRANSFER/ RECONFIG (EVA, AIRLOCK CONFIG) Steps 1-48	TRANSFER OPS Ref. Transfer List & MSG XXX	
NODE 2 O2 SYSTEM PURGE AND SETUP FOR PREBREATHE USING SHUTTLE O2 (ASSY OPS, ACT&C/O) Steps 4-12			
		ROBOTICS: 1.110 OBSS GRAPPLE	UPLINK β21 Only Box 22,23

STS-122 FD (03)

GMT Date 12/08 (342) | W | TDRS E | TDRS Z | DORB 4 | DORB 5 | DORB 6 | ORB 30 | ORB 31 | ORB 32 | MET Day 001

STS ATI: RNDZ | DOCK | BIAS-XLV | ZVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	P/TVO2 DOCK (PHOTO/TV, SCENES) Ops	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	APPROACH TIMELINE (RNDZ, CUE CARD CONFIG)	
JOINT OPS: 6.103 HARDLINE AUDIO CONFIG (ISS) Steps 1,2,6,7	POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)	POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)		
EXERCISE	A/L PREP FOR INGRESS - BOOSTER FAN ACTIVE (RNDZ, APDS)	A/L PREP FOR INGRESS - BOOSTER FAN ACTIVE (RNDZ, APDS)		
	JOINT OPS: 2.104 HATCH OPENING AND STS/ISS DUCT INSTALLATION	POST RNDZ PGSC CONFIG Configure PGSCs per Usage Chart		
SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	
POST-DOCKING EVA TRANSFER/ RECONFIG (EVA, AIRLOCK CONFIG) Steps 1-48	POST-DOCKING EVA TRANSFER/ RECONFIG (EVA, AIRLOCK CONFIG) Steps 1-48	ENABLE WLES FILE BACKUP(ORB OPS, WLES)		
EVA SYSTEMS: 1.307 REBA INSTALL/ REMOVAL Perform INSTALLATION Steps 1-11	EVA SYSTEMS: 1.307 REBA INSTALL/ REMOVAL Perform INSTALLATION Steps 1-11	ROBOTICS: 1.110 OBSS GRAPPLE	ROBOTICS: 1.110 OBSS GRAPPLE	

STS-122 FD (03)

GMT Date 12/08 (342) | W | TDRS E | TDRS Z | DORB 6 7 8 9 | ORB 32 33 34 35 | MET Day 002 | STS ATI

CDR FRICK

00:00 NODE 2 O2 SYSTEM PURGE AND SETUP FOR PREBREATHE USING SHUTTLE O2 (ASSY OPS, ACT&C/O) Steps 4-12

01:00 OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) Grapple, Steps 6-7

BIAS-XLV-ZVV

02:00 OBSS MANEUVER TO COLUMBUS VIEWING POSITION (PDRS, OBSS NOMINAL)

00:00 EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)

03:00 PRIVATE MEDICAL CONFERENCE

01:00 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

04:00

PLT POINDEXTER

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 & 10-11 not req'd

Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) DOCKING VIDEO KU TDRW (01:33-02:05)

EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

√HUM SEP for H2O Accumulation

MS1 MELVIN

ROBOTICS: 1.110 OBSS GRAPPLE

ROBOTICS: 1.111 OBSS MANEUVER TO HANDOFF

ROBOTICS: 1.112 OBSS UNGRAPPLE Steps 1-2

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

NOTES

NO EXERCISE WHILE BOTH ARMS GRAPPLED TO OBSS

STS-122 FD (03)

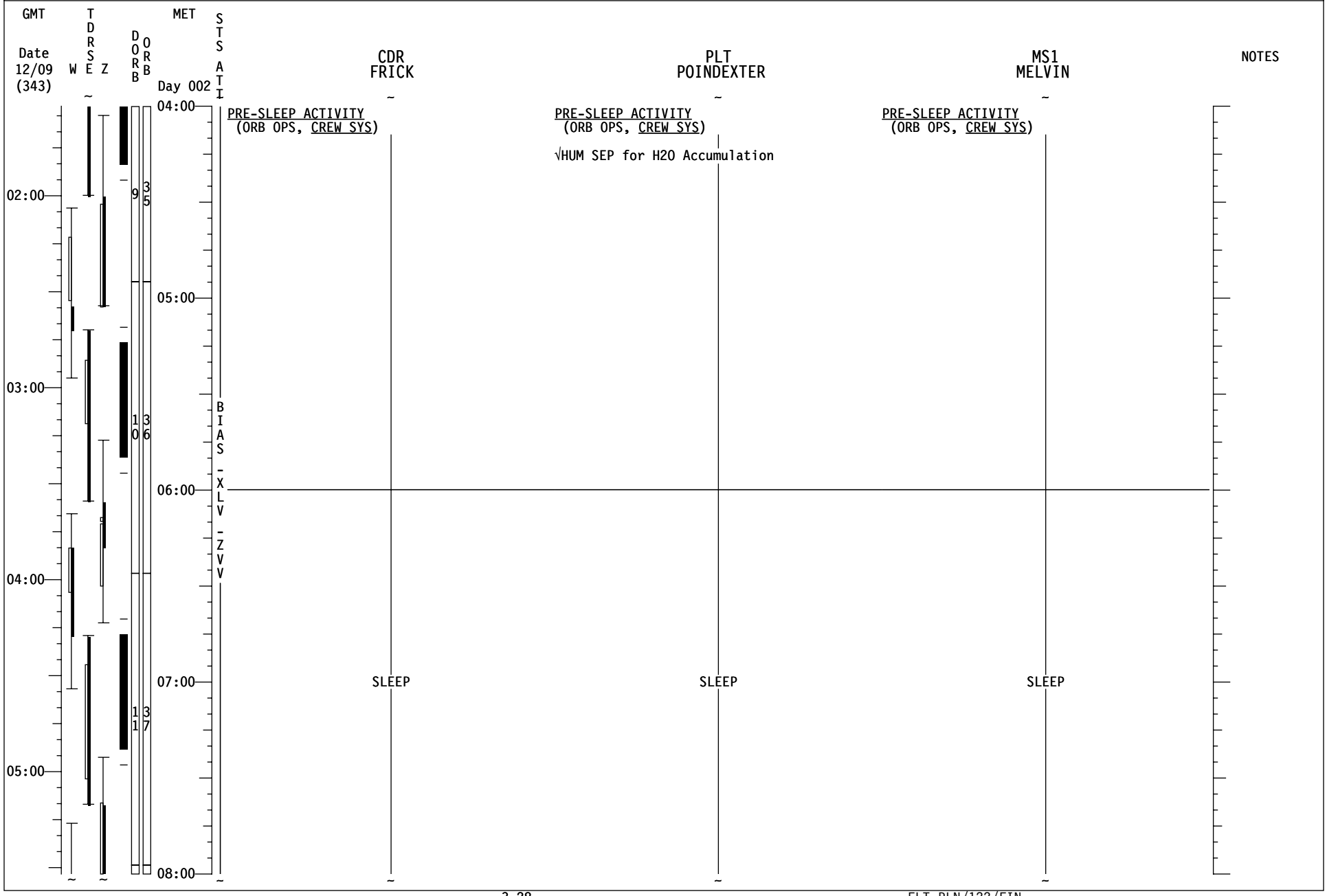
GMT Date 12/08 (342) | W | TDRS E | TDRS Z | DORB 6 7 8 9 | ORB 32 33 34 35 | MET Day 002 | STS ATI

00:00 01:00 02:00 03:00 04:00 22:00 23:00 00:00 01:00

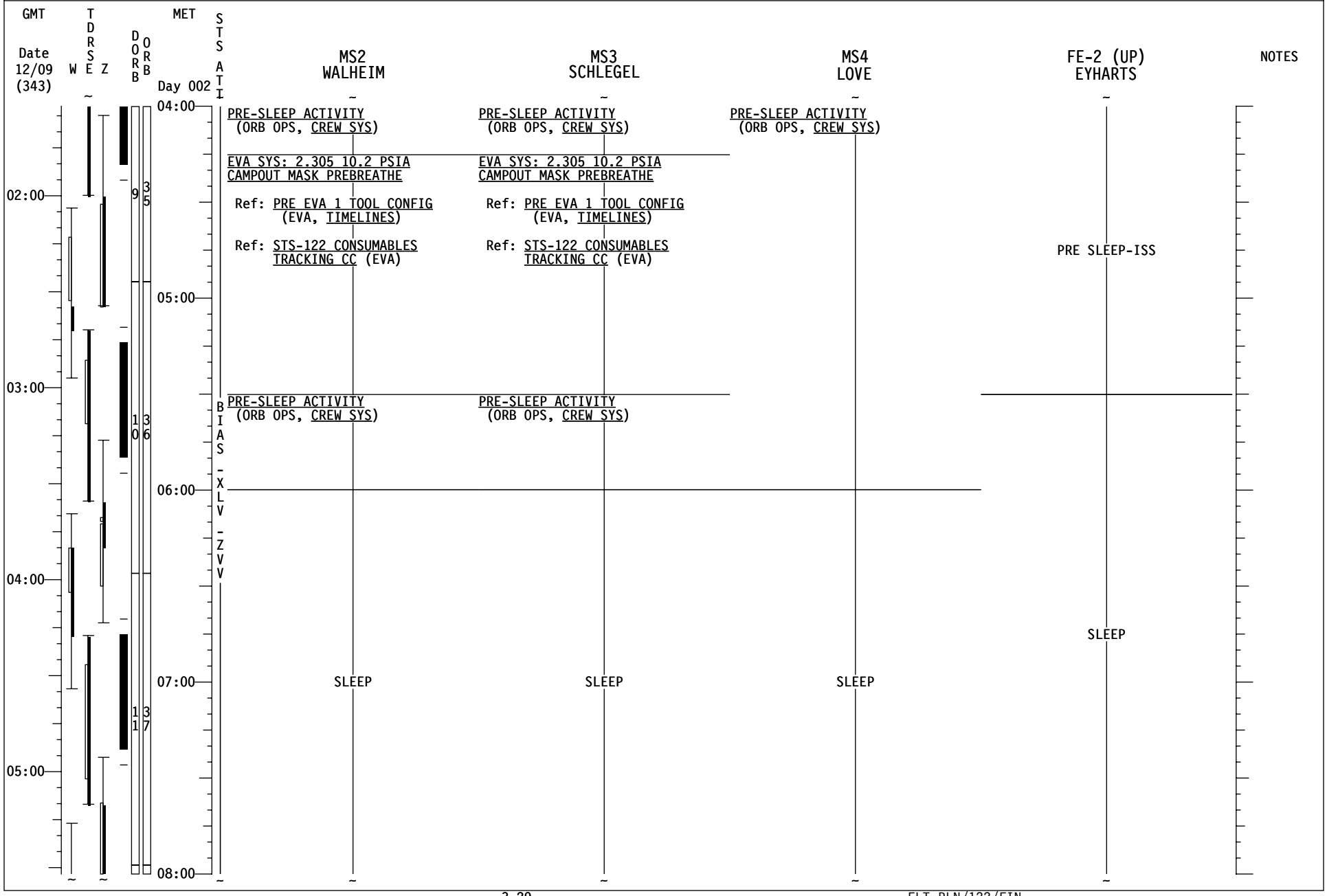
BIAS -XLV -ZVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
EVA SYSTEMS: 1.403 REBA POWERED HARDWARE C/O	EVA SYSTEMS: 1.403 REBA POWERED HARDWARE C/O	ROBOTICS: 1.110 OBSS GRAPPLE	ROBOTICS: 1.110 OBSS GRAPPLE	
EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 & 10-11 not req'd Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 & 10-11 not req'd Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) MRL Release, Steps 3-5 ROBOTICS: 1.111 OBSS MANEUVER TO HANDOFF	ROBOTICS: 1.111 OBSS MANEUVER TO HANDOFF	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		SETUP RMS WORKSTATION		
		OBSS HANDOFF FROM SSRMS (NODE 2) TO SRMS (PDRS, OBSS NOMINAL) Grapple, Steps 6-7	PREP WORK	NO EXERCISE WHILE BOTH ARMS GRAPPLED TO OBSS
			ROBOTICS: 1.112 OBSS UNGRAPPLE Steps 1-2	
		OBSS MANEUVER TO COLUMBUS VIEWING POSITION (PDRS, OBSS NOMINAL)		
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	ROBOTICS: 1.112 OBSS UNGRAPPLE Maneuver to Overnight Park Step 3	
			DAILY PLANNING CONFERENCE (DPC)	
EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)	EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)	EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)	EVA1 PROCEDURE REVIEW Ref: EVA1 BRIEFING CARD (EVA, TIMELINES)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE SLEEP-ISS	

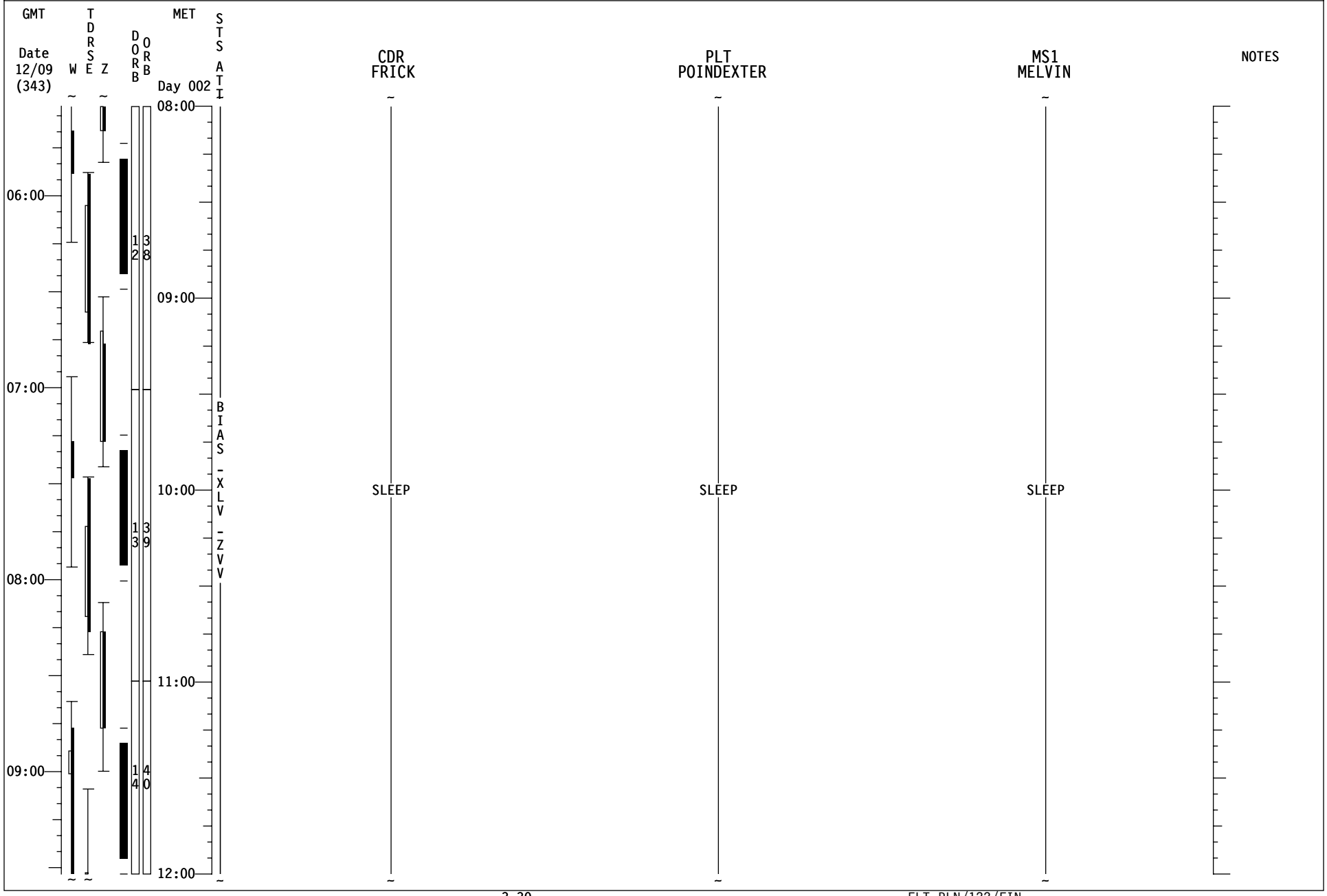
STS-122 FD (03)


GMT
Date
12/09
(343)
W
TDRS E
TDRS Z
DORB
ORB
MET
Day 002
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
9
35
10
36
11
37
BIAS -XLV -ZVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
√HUM SEP for H2O Accumulation
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

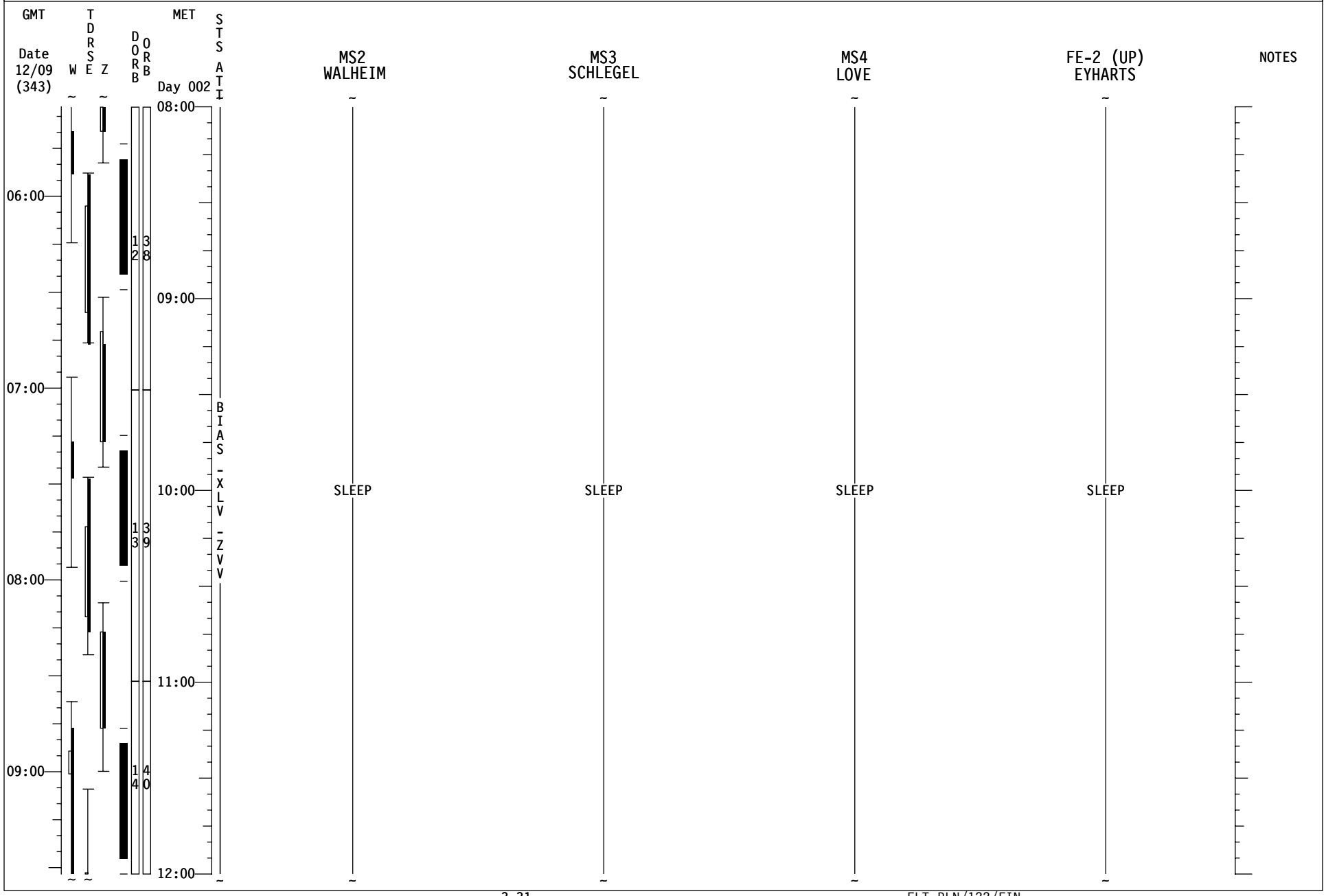
STS-122 FD (03)


GMT
Date 12/09 (343)
W
TDRS E
Z
DORB
ORB
MET
Day 002
STS ATI
BIAS-XLV-ZVV
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (UP) EYHARTS
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
9
35
10
36
11
37
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
EVA SYS: 2.305 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: PRE EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-122 CONSUMABLES
TRACKING CC (EVA)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
EVA SYS: 2.305 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: PRE EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-122 CONSUMABLES
TRACKING CC (EVA)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
PRE SLEEP-ISS
SLEEP

STS-122 FD (03)


GMT
Date
12/09
(343)
W
TDRSE
Z
DORB
ORB
MET
Day 002
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
12
13
14
38
39
40
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (03)


GMT
Date
12/09
(343)
W
TDRSE
Z
DORB
ORB
MET
Day 002
STS
ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
FE-2 (UP)
EYHARTS
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
12
13
14
38
39
40
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP
SLEEP

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | Z | DORB | ORB | MET Day 002 | STS ATI

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

10:00 | 11:00 | 12:00 | 13:00

14 | 40 | 15 | 41 | 16 | 42 | 1 | 43

12:00 | 13:00 | 14:00 | 15:00 | 16:00

BIAS-XLV-ZVV

FD04 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES AND WORLDMAP

CDR FRICK: SLEEP

PLT POINDEXTER: SLEEP

MS1 MELVIN: SLEEP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA SYSTEMS: 2.315 HYGIENE BREAK

EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | TDRS Z | DORB 14 | DORB 15 | DORB 16 | ORB 40 | ORB 41 | ORB 42 | ORB 43 | MET Day 002 | STS ATI | BIAS-XLV-ZVV | MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

12:00 — 13:00 — 14:00 — 15:00 — 16:00

10:00 — 11:00 — 12:00 — 13:00

MS2 WALHEIM: SLEEP

MS3 SCHLEGEL: SLEEP

MS4 LOVE: SLEEP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA SYSTEMS: 2.315 HYGIENE BREAK

EVA SYSTEMS: 2.315 HYGIENE BREAK

EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP

EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | TDRS Z | DORB 1 | DORB 2 | DORB 3 | ORB 43 | ORB 44 | ORB 45 | MET Day 002 | STS ATI

CDR FRICK

- 16:00 EVA SYSTEMS: 2.320 10.2 PSIA
- CAMPOUT EVA PREP
- EVA SYSTEMS: 1.220 EMU PURGE
- EVA SYSTEMS: 1.225 EMU PREBREATHE
- EVA SYSTEMS: CREWLOCK DEPRESS (CC)
- EXERCISE
- IMU ALIGN - S TRK (ORB OPS, GNC)
- N2 REPRESS USING PAYLOAD N2 VLVS [A]

PLT POINDEXTER

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- L17 Check MCIU filter screen
- EVA INHIBIT PAD (EVA, TIMELINES)
- P/TV07 EVA (PHOTO/TV, SCENES) Setup
- IVA SUPPORT PREP
- EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)
- IVA SUPPORT EVA1

MS1 MELVIN

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- DAILY TRANSFER LIST UPDATE Ref. MSG XXX
- TRANSFER OPS Ref. Transfer List & MSG XXX
- KU-BD ANT STOW (ORB OPS, COMM/INST)
- ROBOTICS: 1.210 EVA1-PDGF RETRIEVE

NOTES

[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

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRSE | Z | DORB | ORB | MET Day 002 | STS ATI

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

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

1 4 3

17:00

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

EXERCISE

2 4 4

BIAS-XLV-ZVV

18:00

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

EVA SYSTEMS: CREWLOCK DEPRESS (CC)

EVA SYSTEMS: CREWLOCK DEPRESS (CC)

16:00

KU-BD ANT STOW
(ORB OPS, COMM/INST)

PGSC POWERDOWN
Powerdown all unnecessary PGSCs.
At a minimum, leave KFX, RPOP,
and Color Printer on

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

EVA SYSTEMS: CREWLOCK EGRESS (CC)

EVA SYSTEMS: CREWLOCK EGRESS (CC)

19:00

ROBOTICS: 1.210 EVA1-PDGF RETRIEVE

3 4 5

17:00

PDGF SETUP

PDGF SETUP

20:00

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | Z | DORB 3 4 5 6 | ORB 46 47 48 | MET Day 002

STS ATI | BIAS-XLV-ZVV

CDR FRICK

- 20:00 — SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #2 Ref. MSG XXX
- MEAL
- 21:00 — SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION
- CWC TRANSFER Transfer 2 CWCs to ISS
- 22:00 — N2 REPRESS USING PAYLOAD N2 VLVS [B]
- PWR FILL (ORB OPS, ECLS) Perform Water Fill #1 Ref. MSG XXX
- P/TV07 EVA (PHOTO/TV, SCENES) Ops
- 23:00 — ROBOTICS: 1.311 COLUMBUS INSTALL PRLA Release, Step 5
- P/TV07 EVA (PHOTO/TV, SCENES) Ops
- MNVR (TRK) UPDATE (Post Columbus Install) TG=2 BV=5 P=161 Y=354 OM=184 A12/FREE/VERN Init TRK
- SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #3 Ref. MSG XXX
- 00:00

[B] N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) On MCC Go, perform steps 7-12 MCC will TMBU all S/W limits

PLT POINDEXTER

- IVA SUPPORT EVA1

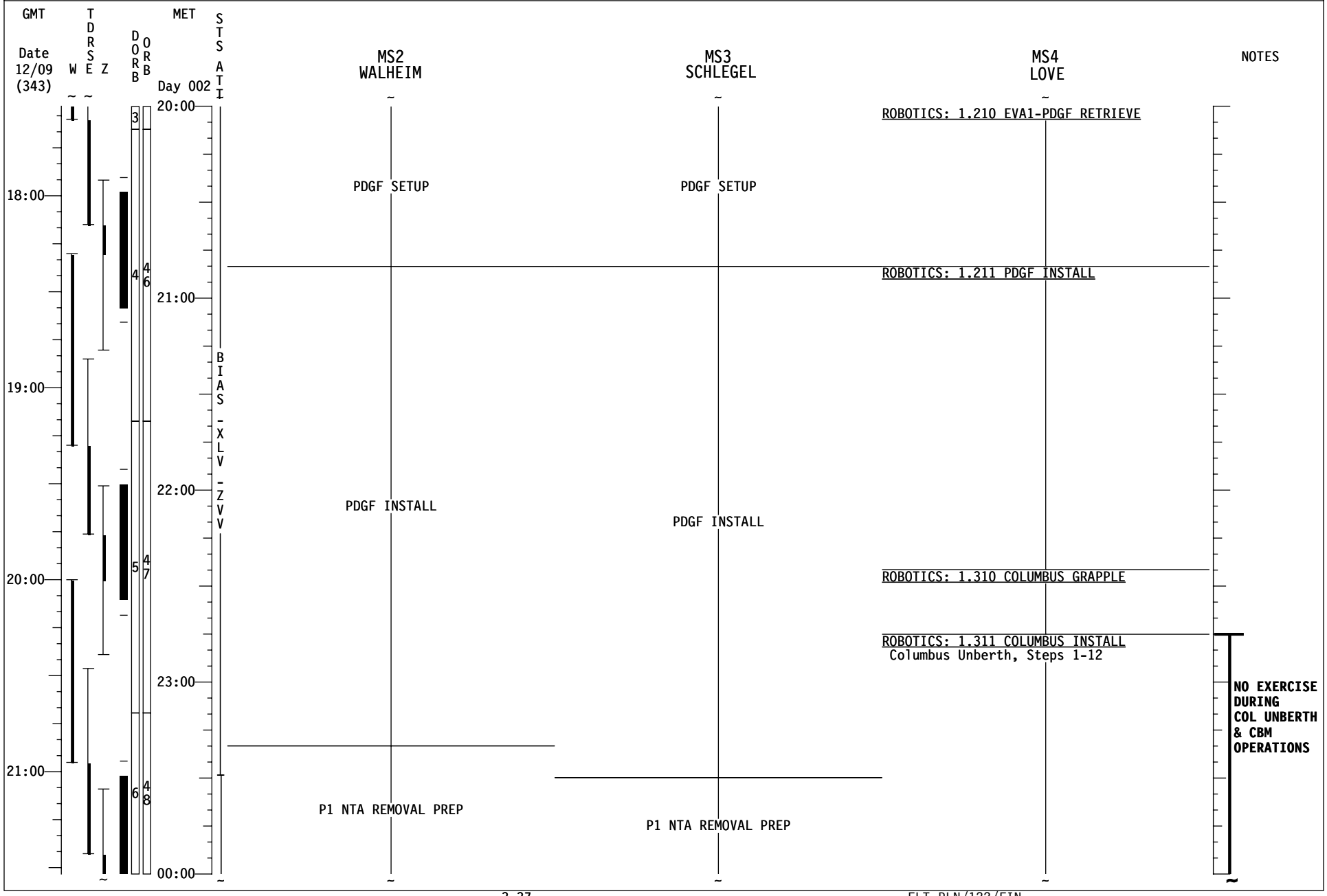
MS1 MELVIN

- ROBOTICS: 1.210 EVA1-PDGF RETRIEVE
- ROBOTICS: 1.211 PDGF INSTALL
- ROBOTICS: 1.310 COLUMBUS GRAPPLE
- ROBOTICS: 1.311 COLUMBUS INSTALL Columbus Unberth, Steps 1-12

NOTES

NO EXERCISE DURING COL UNBERTH & CBM OPERATIONS

STS-122 FD (04)


GMT
Date 12/09 (343)
W
TDRSE
Z
DORB
ORB
MET
Day 002
STS ATI
20:00
18:00
21:00
19:00
22:00
20:00
23:00
21:00
00:00
3
4
6
5
7
6
8
BIAS-XLV-ZVV
MS2 WALHEIM
PDGF SETUP
PDGF INSTALL
P1 NTA REMOVAL PREP
MS3 SCHLEGEL
PDGF SETUP
PDGF INSTALL
P1 NTA REMOVAL PREP
MS4 LOVE
ROBOTICS: 1.210 EVA1-PDGF RETRIEVE
ROBOTICS: 1.211 PDGF INSTALL
ROBOTICS: 1.310 COLUMBUS GRAPPLE
ROBOTICS: 1.311 COLUMBUS INSTALL
Columbus Unberth, Steps 1-12
NOTES
NO EXERCISE DURING COL UNBERTH & CBM OPERATIONS

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | TDRS Z | DORB 6 7 8 9 | ORB 48 49 50 51 | MET Day 003 | STS ATI

BIAS-XLV-ZVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
00:00	P/TV07 EVA (PHOTO/TV, SCENES) Ops		ROBOTICS: 1.311 COLUMBUS INSTALL Columbus Unberth, Steps 1-12	NO EXERCISE DURING COL UNBERTH & CBM OPERATIONS
22:00		IVA SUPPORT EVA1	S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT First Stage Capture, Steps 1-4	
			ROBOTICS: 1.311 COLUMBUS INSTALL Limp,St 13	
			S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT Second Stage Capture, Step 5	
01:00	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION			
	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	
23:00	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		TRANSFER OPS Ref. Transfer List & MSG XXX	
		CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO) Location 2		
02:00	Ref: STS-122 CONSUMABLES TRACKING CC (EVA)			
	Ref: POST EVA GLOVE PHOTOS (EVA, MAINT/RCHRG)	EXERCISE		
00:00				
		LCC ACTIVATION (PHOTO/TV, CUE CARDS)Steps 1-3	TRANSFER TAGUP Coordinate with xfer counterpart	
	PRIVATE MEDICAL CONFERENCE	LCC DEACTIVATION (PHOTO/TV, CUE CARDS)Step 1		
03:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TRANSFER BRIEF Call down status to MCC	
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
01:00				
04:00				

STS-122 FD (04)

GMT Date 12/09 (343) | W | TDRS E | TDRS Z | DORB 6 7 8 9 | ORB 48 49 50 51 | MET Day 003 | STS ATI | BIAS -XLV -ZVV

00:00	01:00	02:00	03:00	04:00

MS2 WALHEIM

P1 NTA REMOVAL PREP

CLEANUP AND INGRESS

EVA SYSTEMS: PRE REPRESS (CC)
EVA SYSTEMS: CREWLOCK REPRESS (CC)

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

Ref: STS-122 CONSUMABLES
TRACKING CC (EVA)

Ref: POST EVA GLOVE PHOTOS
(EVA, MAINT/RCHRG)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 SCHLEGEL

P1 NTA REMOVAL PREP

CLEANUP AND INGRESS

EVA SYSTEMS: PRE REPRESS (CC)
EVA SYSTEMS: CREWLOCK REPRESS (CC)

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

Ref: STS-122 CONSUMABLES
TRACKING CC (EVA)

Ref: POST EVA GLOVE PHOTOS
(EVA, MAINT/RCHRG)

LBP-MUSCLE QSTION(ASSY PL, QSTION)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 LOVE

ROBOTICS: 1.311 COLUMBUS INSTALL
Columbus Unberth, Steps 1-12

S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT
First Stage Capture, Steps 1-4

ROBOTICS: 1.311 COLUMBUS INSTALL Limp,St 13

S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT
Second Stage Capture, Step 5

S&M: 1.512 NODE 2 CBM CAPTURE/ABOLT
Bolts Acquisition, Steps 6-7

ROBOTICS: 1.311 COLUMBUS INSTALL Safe,St 14-15

S&M: 1.403 CBCS INSTALLATION/
REMOVAL (SSRMS) - GENERIC
Perform REMOVING CBCS, Steps 14-15

TRANSFER OPS
Ref. Transfer List & MSG XXX

TRANSFER TAGUP
Coordinate with xfer counterpart

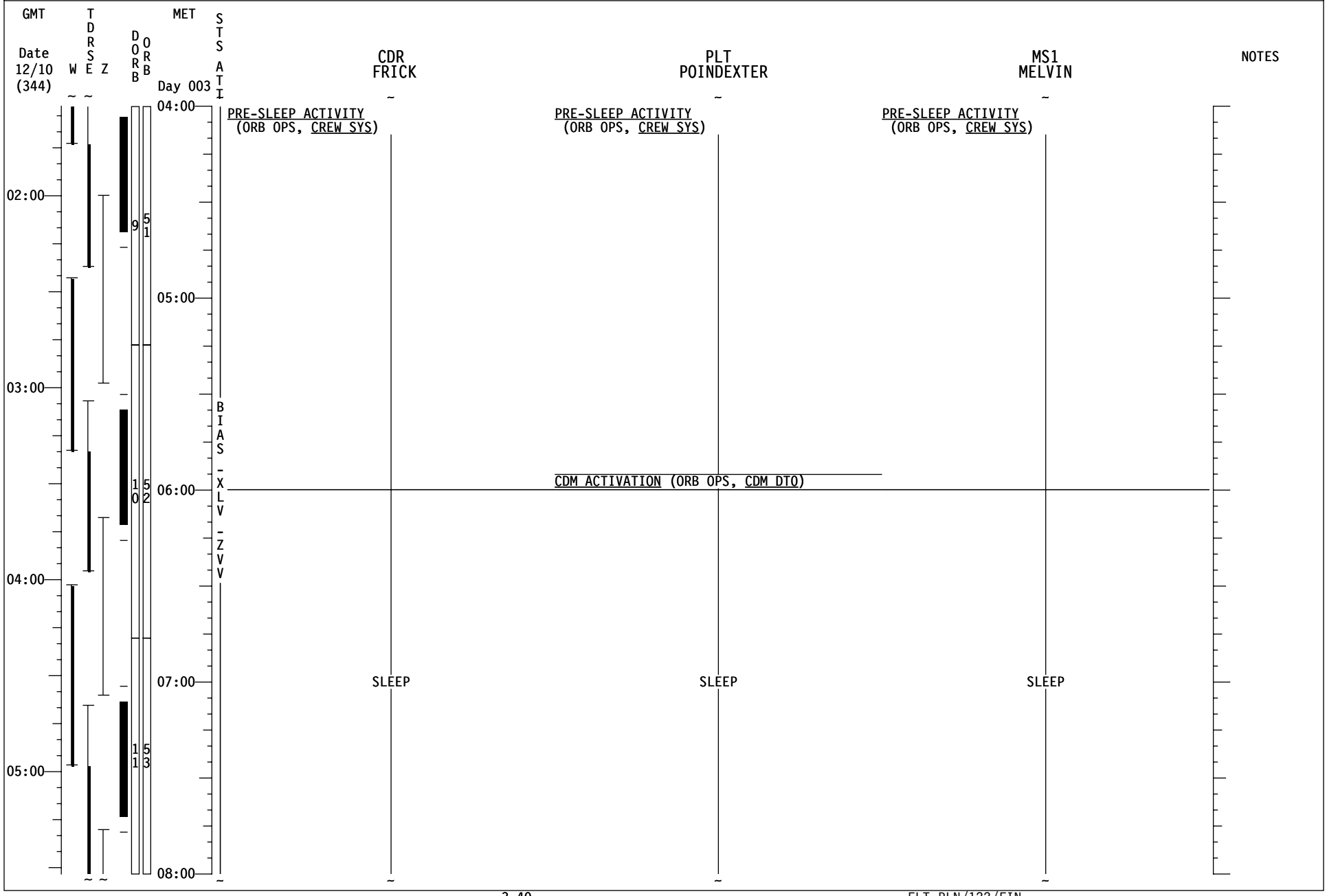
EVA SYSTEMS: 1.605 BSA BATTERY
RECHARGE Perform INITIATE
Ref: STS-122 CONSUMABLES
TRACKING CC (EVA)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

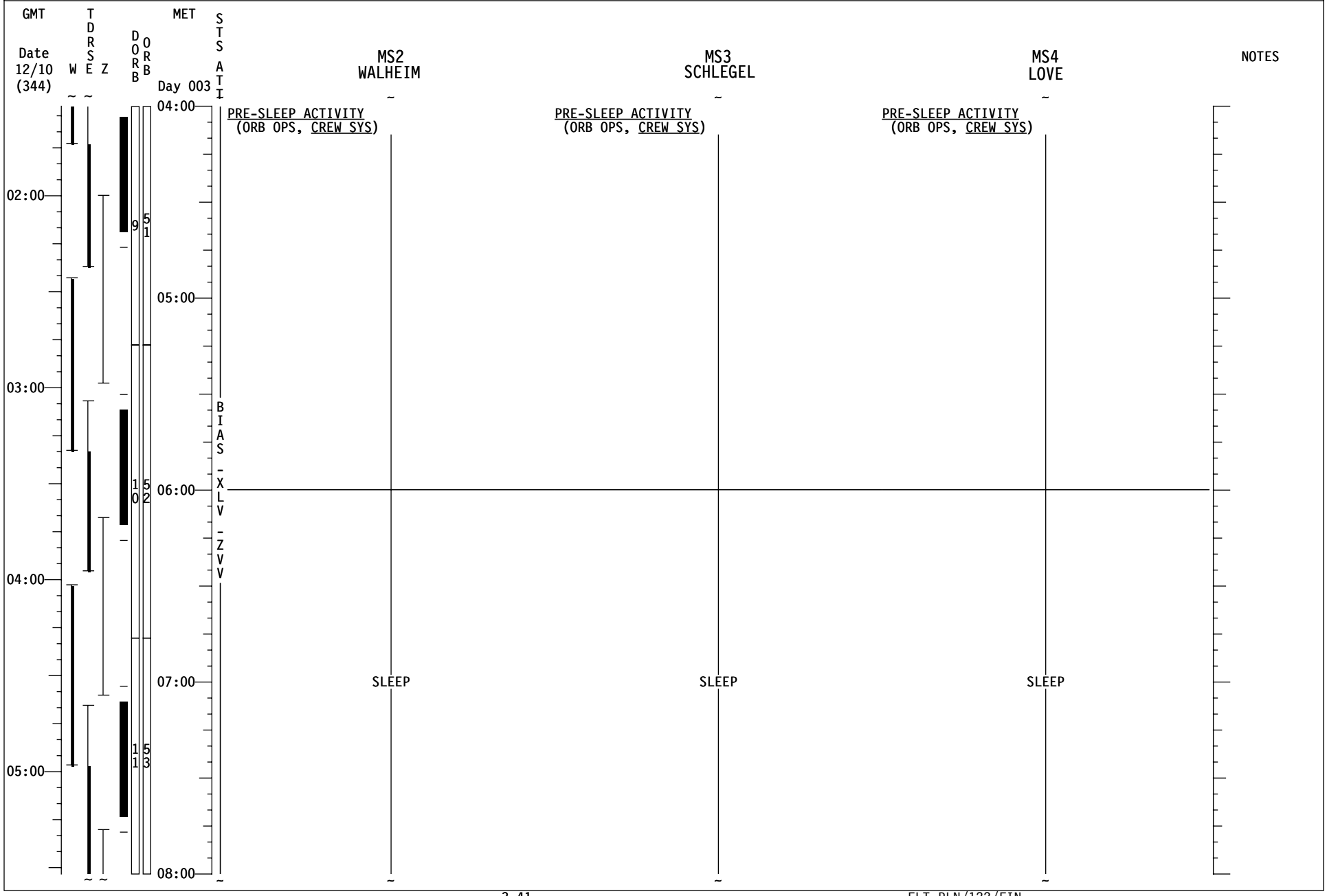
NOTES

NO EXERCISE DURING COL UNBERTH & CBM OPERATIONS

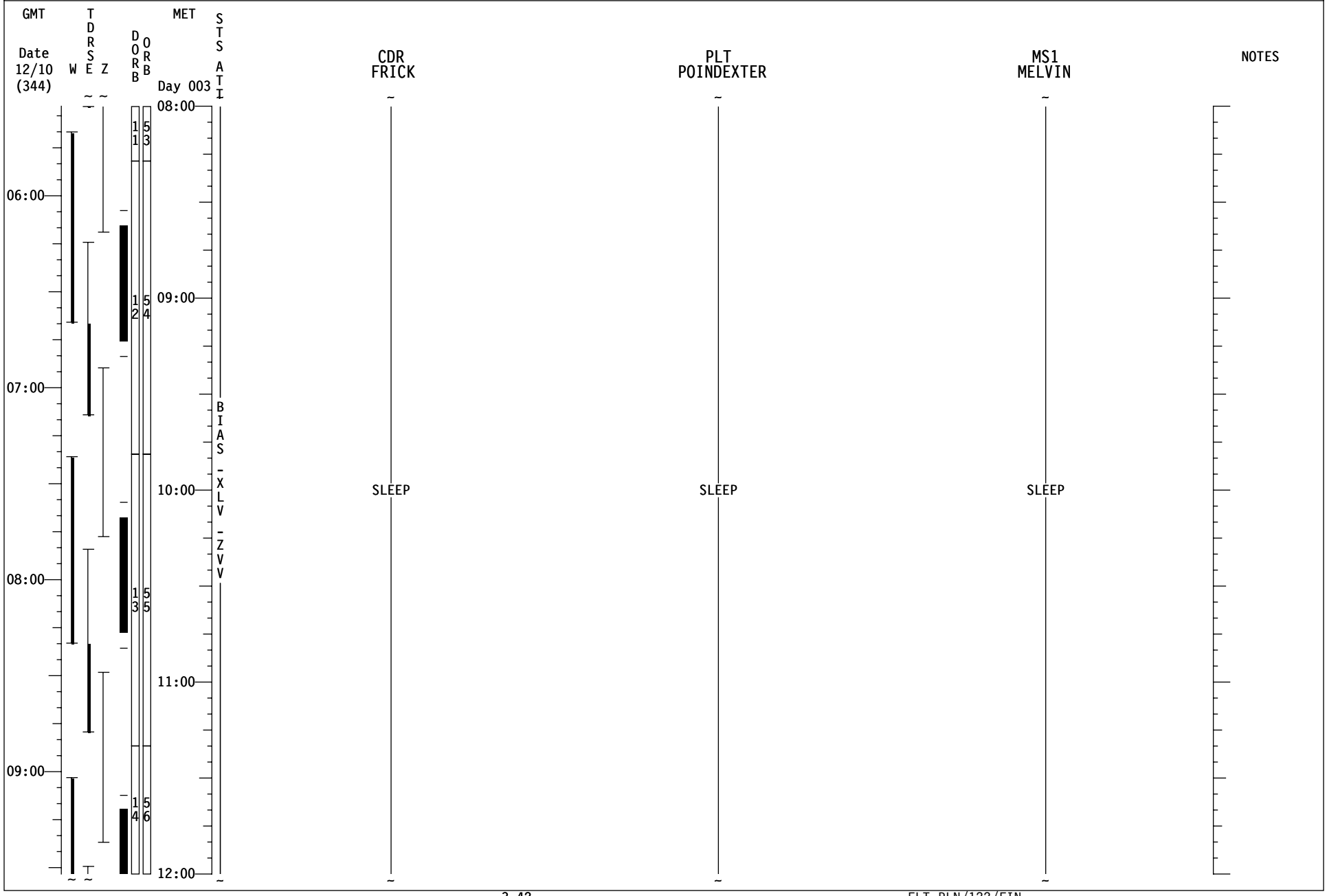
STS-122 FD (04)


GMT
Date
12/10
(344)
W
TDRS E
Z
DORB
ORB
MET
Day 003
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
BIAS -XLV -ZVV
CDM ACTIVATION (ORB OPS, CDM DTO)
SLEEP
SLEEP
SLEEP
9
10
11
51
52
53

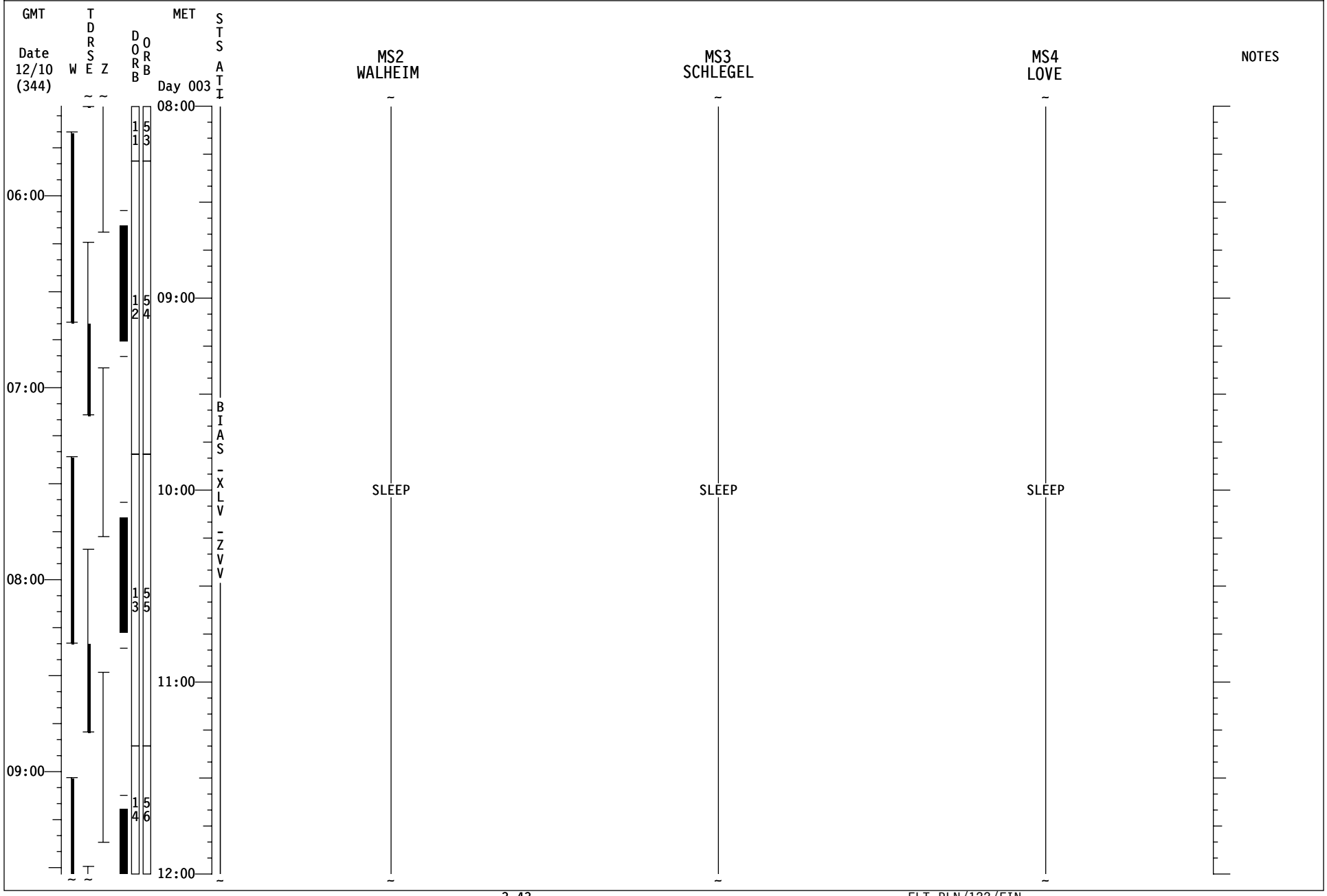
STS-122 FD (04)


GMT
Date
12/10
(344)
W
TDRS E
Z
DORB
ORB
MET
Day 003
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP
9
10
11
51
52
53

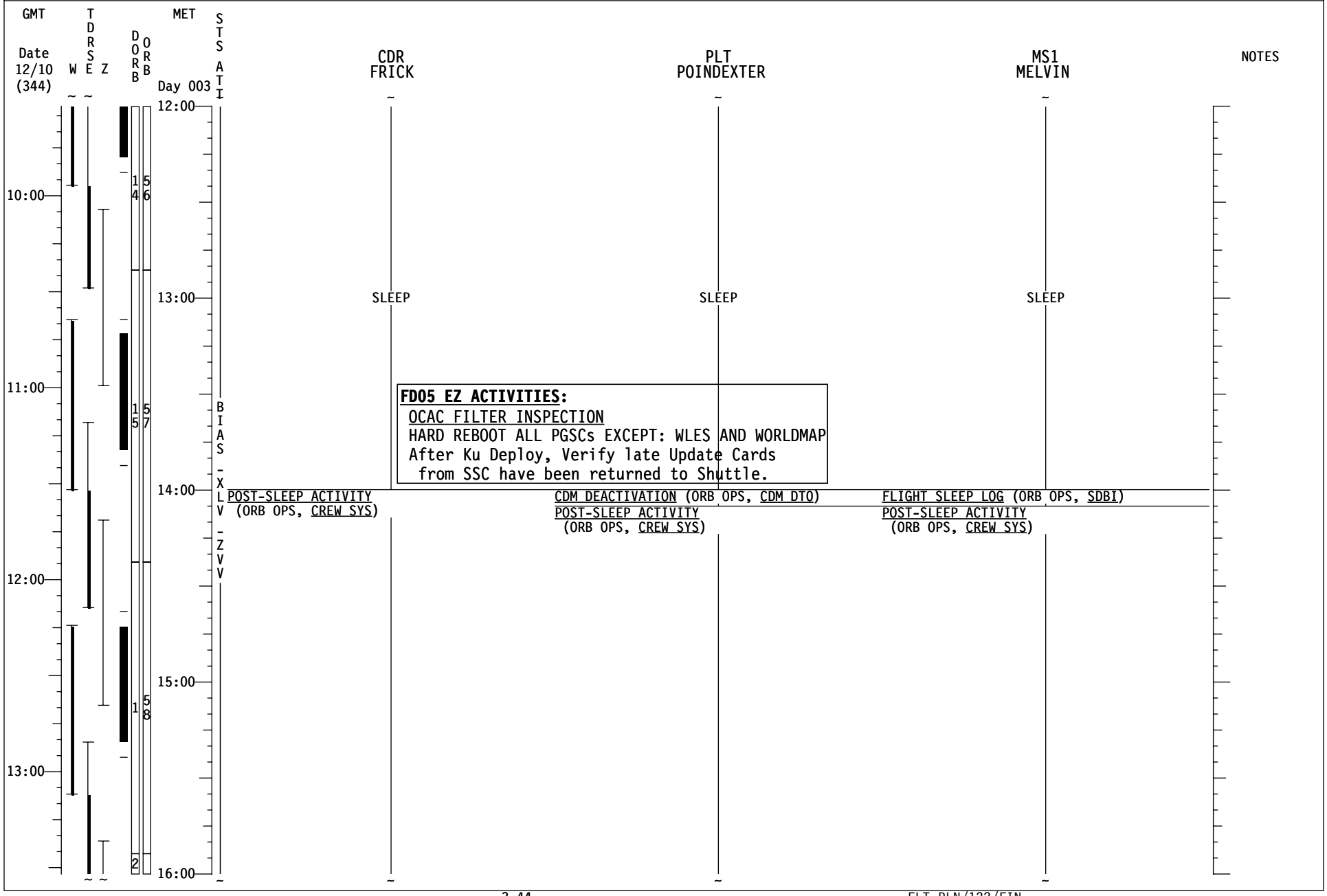
STS-122 FD (04)


GMT
Date
12/10
(344)
W
TDRSE
Z
DORB
ORB
MET
Day 003
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
11
12
13
14
53
54
55
56
BIAS
-XLV
-ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (04)


GMT
Date
12/10
(344)
W
TDRS E
Z
DORB
ORB
MET
Day 003
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
11
12
13
14
53
54
55
56
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (05)


GMT
Date 12/10 (344)
W
TDRSE
Z
DORB
ORB
MET
Day 003
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
12:00
10:00
13:00
11:00
12:00
13:00
14:00
15:00
16:00
14
56
15
57
15
58
2
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP
FD05 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT: WLES AND WORLDMAP
After Ku Deploy, Verify late Update Cards
from SSC have been returned to Shuttle.
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
CDM DEACTIVATION (ORB OPS, CDM DTO)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-122 FD (05)

GMT Date 12/10 (344) | W | T D R S E | Z | D O R B | O R B | MET Day 003 | STS ATI | MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

10:00 — 11:00 — 12:00 — 13:00

14 15 — 15 16 — 16 17 — 2

12:00 — 13:00 — 14:00 — 15:00 — 16:00

BIAS-XLV-ZVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE
SLEEP	SLEEP	SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FLIGHT SLEEP LOG (ORB OPS, SDBI)
EVA CREW: TAKE 1 ASPIRIN (325mg)		LIQUID SLVA SAMPLE(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | TDRS Z | DORB 2 3 4 | ORB 5 9 6 0 6 1 | MET Day 003

STS ATI | BIAS-XLV-ZVV

16:00	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
	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	
		A WCS CRADLE - AUTO INHIBIT Inspect hose block filter, change if req'd WCS CRADLE - AUTO	P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup	
17:00		L17 Check MCIU filter screen		
	PUBLIC AFFAIRS EVENT ISS KU AVAIL: XX:XX-XX:XX	WCS FILTER CHECK A SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #4 Ref. MSG XXX	PUBLIC AFFAIRS EVENT ISS KU AVAIL: XX:XX-XX:XX	
15:00	DOUG REVIEW Ref. MSG XXX	TRANSFER OPS Ref. Transfer List & MSG XXX	DOUG REVIEW Ref. MSG XXX	
18:00	IMU ALIGN - S TRK (ORB OPS, GNC) TRANSFER OPS Ref. Transfer List & MSG XXX		ROBOTICS: 1.312 COLUMBUS UNGRAPPLE	
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/INST)	
			KU-BD ACTIVATION Ref. MSG XXX	
17:00		EXERCISE		UPLINK β21 Only Box 22,23, 30
	MEAL		MEAL	
20:00		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERM		

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | Z | DORB 2 3 4 | ORB 5 9 6 0 6 1 | MET Day 003 | STS ATI BIAS -XLV -ZVV

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

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

17:00

COLUMBUS VESTIBULE OUTFITTING
(ASSY OPS, ACT&C/O)
Steps 1-4
Remove Disk and Thermal Covers,
Install Ground Straps

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: XX:XX-XX:XX

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: XX:XX-XX:XX

15:00

DOUG REVIEW
Ref. MSG XXX

EXERCISE

18:00

ROBOTICS: 1.312 COLUMBUS UNGRAPPLE

COLUMBUS VESTIBULE OUTFITTING
(ASSY OPS, ACT&C/O)
Step 5, Install Power Jumpers

COLUMBUS VESTIBULE OUTFITTING
(ASSY OPS, ACT&C/O)
Step 6, Install Hardwired Jumpers

16:00

TRANSFER OPS
Ref. Transfer List & MSG XXX

COLUMBUS VESTIBULE OUTFITTING
(ASSY OPS, ACT&C/O)
Step 7, Install 1553 Jumpers

ROBOTICS: 2.210 MANEUVER TO FOCUSED INSPECTION VIEWING
Steps 1-4.2

19:00

COLUMBUS VESTIBULE OUTFITTING
(ASSY OPS, ACT&C/O)
Step 8, Remove Fwd & Aft CPAs

KU-BD ANT DEPLOY
(ORB OPS, COMM/INST)

KU-BD ACTIVATION
Ref. MSG XXX

PGSC CHECK Verify all PGSCs are powered on and KFX application running on KFX machine.

17:00

MEAL

20:00

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | TDRS Z | DORB 4 5 6 7 | ORB 61 62 63 64 | MET Day 003 | STS ATI BIAS -XLV -ZVV

18:00 19:00 20:00 21:00 20:00 21:00 22:00 23:00 00:00

CDR FRICK

MEAL

FOCUSED INSPECTION
Ref. MSG XXX

PLT POINDEXTER

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS) Perform FILL TERM

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)INIT FILL #X
Ref. MSG XXX

MEAL

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform FILL TERMINATION

CWC TRANSFER
Transfer 3 CWCs to ISS

TRANSFER OPS
Ref. Transfer List & MSG XXX

PWR FILL
(ORB OPS, ECLS)
Perform Water Fill #2
Ref. MSG XXX

MS1 MELVIN

MEAL

FOCUSED INSPECTION
Ref. MSG XXX

NOTES

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | TDRS Z | DORB 4 5 6 7 | ORB 61 62 63 64 | MET Day 003 | STS ATI

MS2 WALHEIM

TRANSFER OPS
Ref. Transfer List & MSG XXX

MEAL

EVA SYSTEMS: 1.605 BSA BATTERY RCHRG (TERM)
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE Perform INITIATE
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

Note: Observe 32oz cold H2O max bag capacity during DIDB fills.

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD5 Steps

MS3 SCHLEGEL

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

EVA CREW: TAKE 1 ASPIRIN (325mg)

MEAL

EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT Install METOX Canisters
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)
Stow used LiOH in EMU Systems Transfer Bag

EVA SYSTEMS: 1.510 METOX REGENERATION (Terminate)

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

Note: Observe 32oz cold H2O max bag capacity during DIDB fills.

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD5 Steps

MS4 LOVE

MEAL

FOCUSED INSPECTION
Ref. MSG XXX

NOTES

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | TDRS Z | DORB 7 8 9 | ORB 64 65 66 | MET Day 004 | STS ATI BIAS-XLV-ZVV

CDR FRICK

FOCUSED INSPECTION
Ref. MSG XXX

EXERCISE

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

PRIVATE MEDICAL CONFERENCE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
KU AVAIL: 03:42-04:11

PLT POINDEXTER

PWR FILL
(ORB OPS, ECLS)
Perform Water Fill #3
Ref. MSG XXX

PWR FILL
(ORB OPS, ECLS)
Perform Water Fill #4
Ref. MSG XXX

CDM SETUP AND BATTERY CHANGEOUT
(ORB OPS, CDM DTO) Location 3

P/TV05 ISS INTERNAL OPS
(PHOTO/TV, SCENES)
Setup

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

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
KU AVAIL: 03:42-04:11

MS1 MELVIN

FOCUSED INSPECTION
Ref. MSG XXX

ROBOTICS: 2.210 MANEUVER TO FOCUSED INSPECTION VIEWING
Maneuver to Overnight Park
Steps 4.3-6

TRANSFER TAGUP
Coordinate with xfer counterpart

TRANSFER BRIEF
Call down status to MCC

ILLUMINATOR OPS (CUE CARD)ILLUM ON - A,D

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

UPLINK
β21 Only
Box 22,23

STS-122 FD (05)

GMT Date 12/10 (344) | W | TDRS E | TDRS Z | DORB 7 8 9 | ORB 64 65 66 | MET Day 004 | STS ATI BIAS-XLV-ZVV

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

00:00

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD5 Steps

TRANSFER OPS
Ref. Transfer List & MSG XXX

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD5 Steps

FOCUSED INSPECTION
Ref. MSG XXX

22:00

EXERCISE

01:00

ROBOTICS: 2.210 MANEUVER TO FOCUSED INSPECTION VIEWING
Maneuver to Overnight Park
Steps 4.3-6

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

23:00

TRANSFER TAGUP
Coordinate with xfer counterpart

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

02:00

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

EVA2 PROCEDURE REVIEW
Ref: EVA2 BRIEFING CARD
(EVA, TIMELINES)

00:00

03:00

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

LBP-MUSCLE QSTION(ASSY PL, QSTION)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

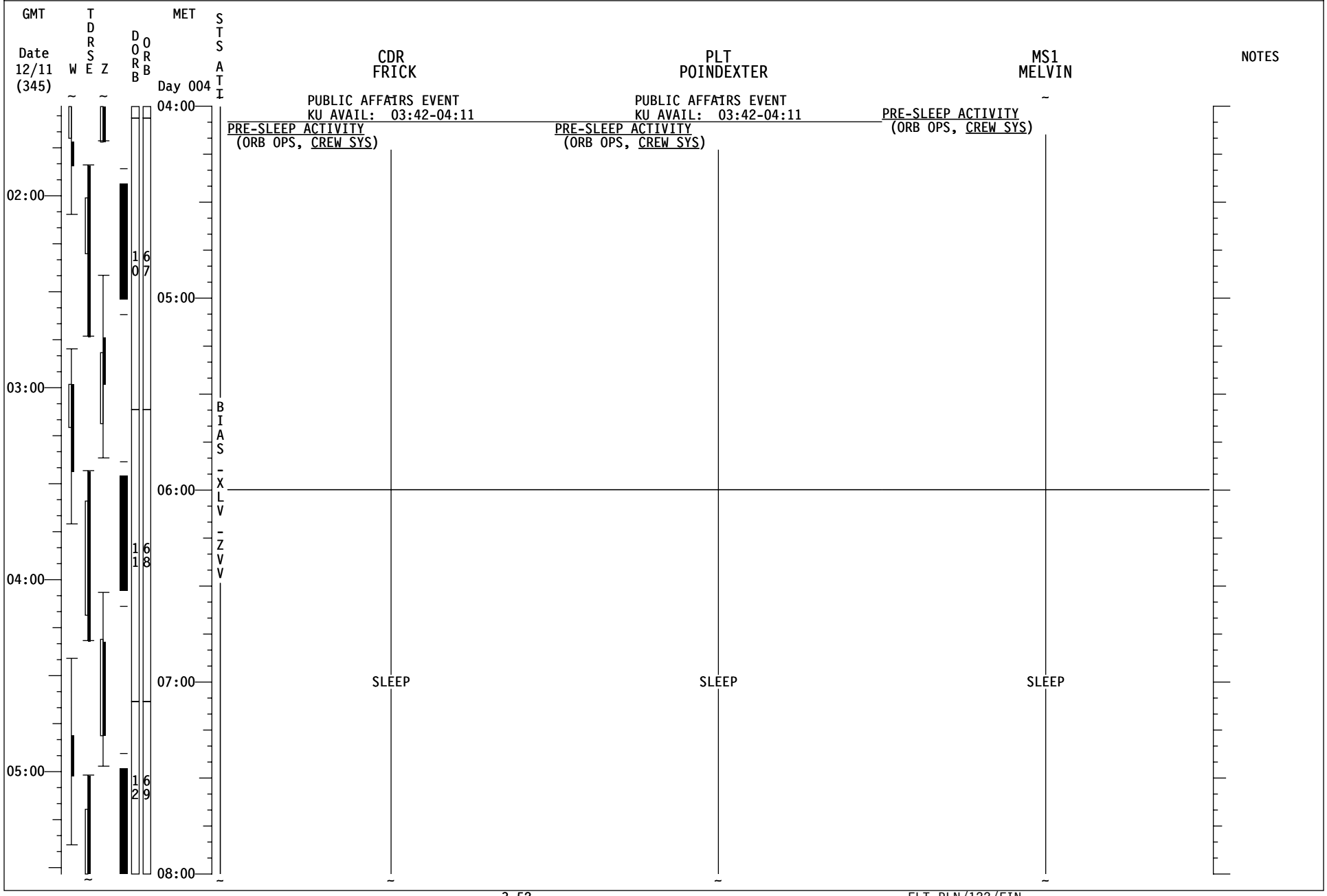
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

01:00

PUBLIC AFFAIRS EVENT
KU AVAIL: 03:42-04:11

04:00

STS-122 FD (05)

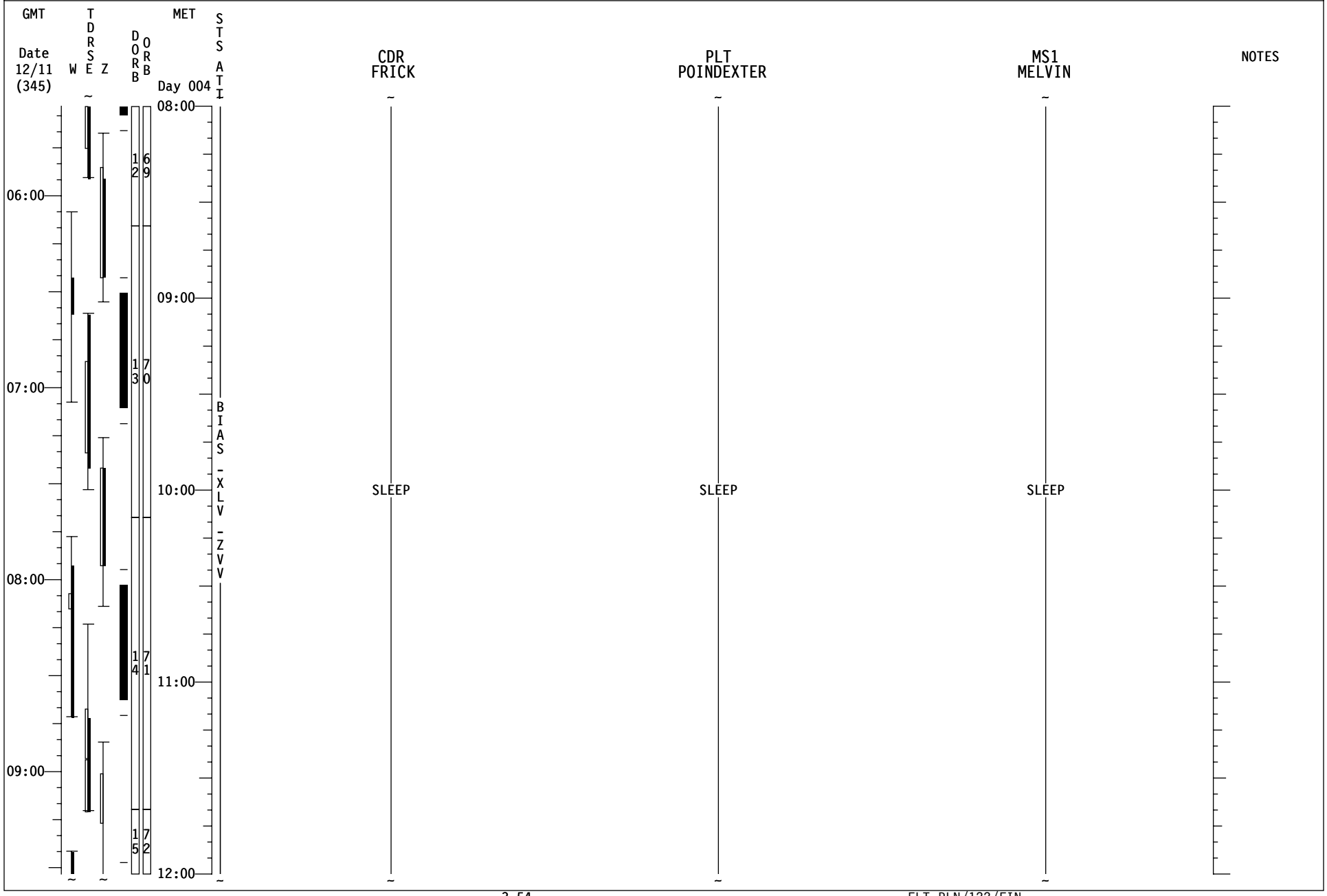

GMT
Date
12/11
(345)
W
TDRS E
Z
DORB
ORB
MET
Day 004
STS ATI
BIAS -XLV -ZVV
160
168
169
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
PUBLIC AFFAIRS EVENT
KU AVAIL: 03:42-04:11
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT
KU AVAIL: 03:42-04:11
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

STS-122 FD (05)

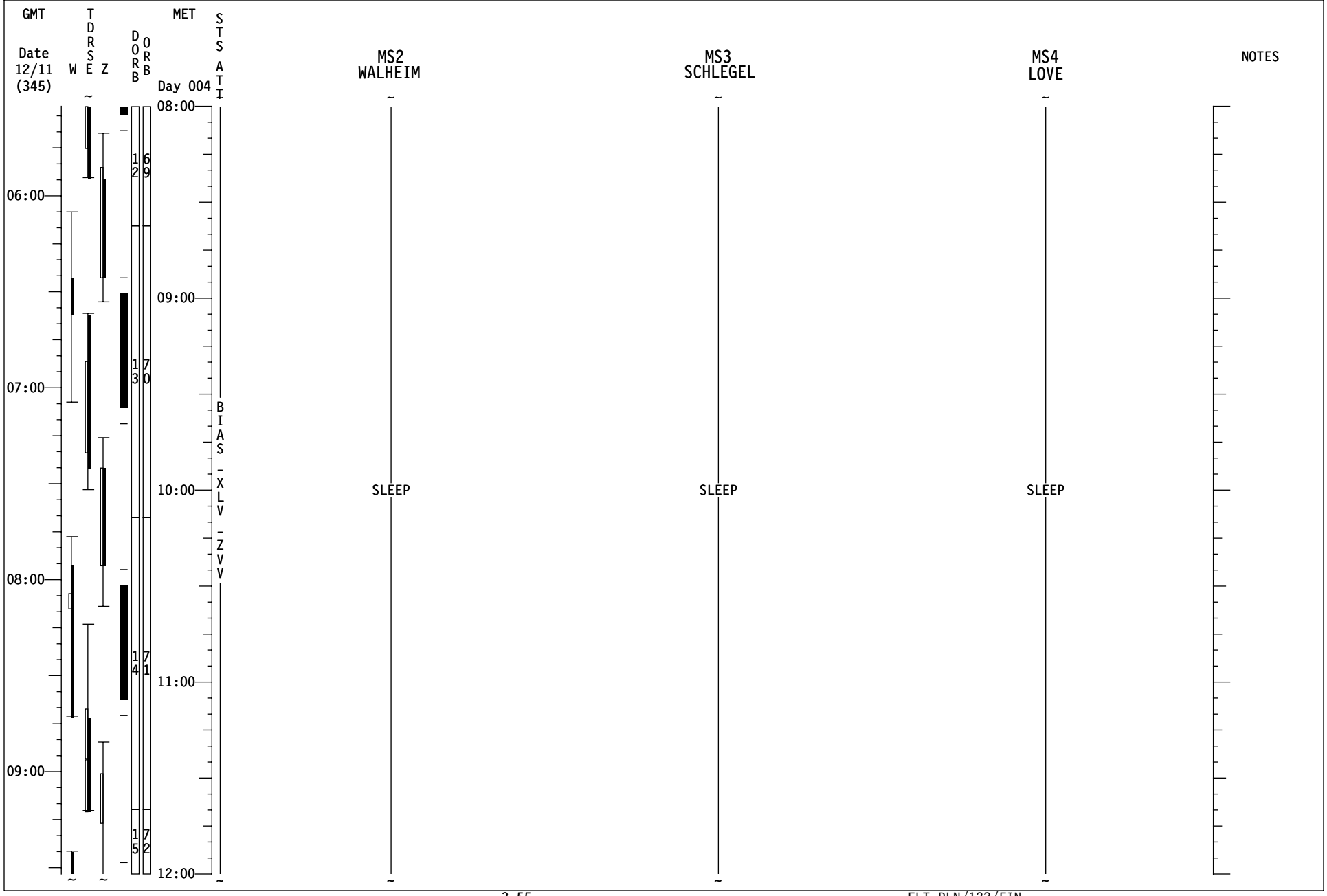
GMT Date 12/11 (345) | W | TDRS E | TDRS Z | DORB 160 | DORB 118 | DORB 129 | ORB 167 | ORB 168 | ORB 169 | MET Day 004 | STS ATI | BIAS -XLV -ZVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
	PUBLIC AFFAIRS EVENT KU AVAIL: 03:42-04:11		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE	EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE		
Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD5 Steps	Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD5 Steps		
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	Ref: STS-122 CONSUMABLES TRACKING CC (EVA)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
SLEEP	SLEEP	SLEEP	

STS-122 FD (05)


GMT
Date
12/11
(345)
W
TDRSE
Z
DORB
ORB
MET
Day 004
STS ATI
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
12
13
14
15
69
70
71
72
BIAS -XLV -ZVV
CDR
FRICK
SLEEP
PLT
POINDEXTER
SLEEP
MS1
MELVIN
SLEEP
NOTES

STS-122 FD (05)


GMT
Date
12/11
(345)
W
TDRSE
Z
DORB
ORB
MET
Day 004
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
12
13
14
15
69
70
71
72
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (06)

GMT Date 12/11 (345) | W | TDRSE | Z | DORB | ORB | MET Day 004 | STS ATI

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

10:00 — 11:00 — 12:00 — 13:00 — 14:00 — 15:00 — 16:00

DORB: 15, 16, 14 — ORB: 72, 73, 74

BIAS-XLV-ZVV

SLEEP (CDR FRICK)

SLEEP (PLT POINDEXTER)

SLEEP (MS1 MELVIN)

FD06 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES AND WORLDMAP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

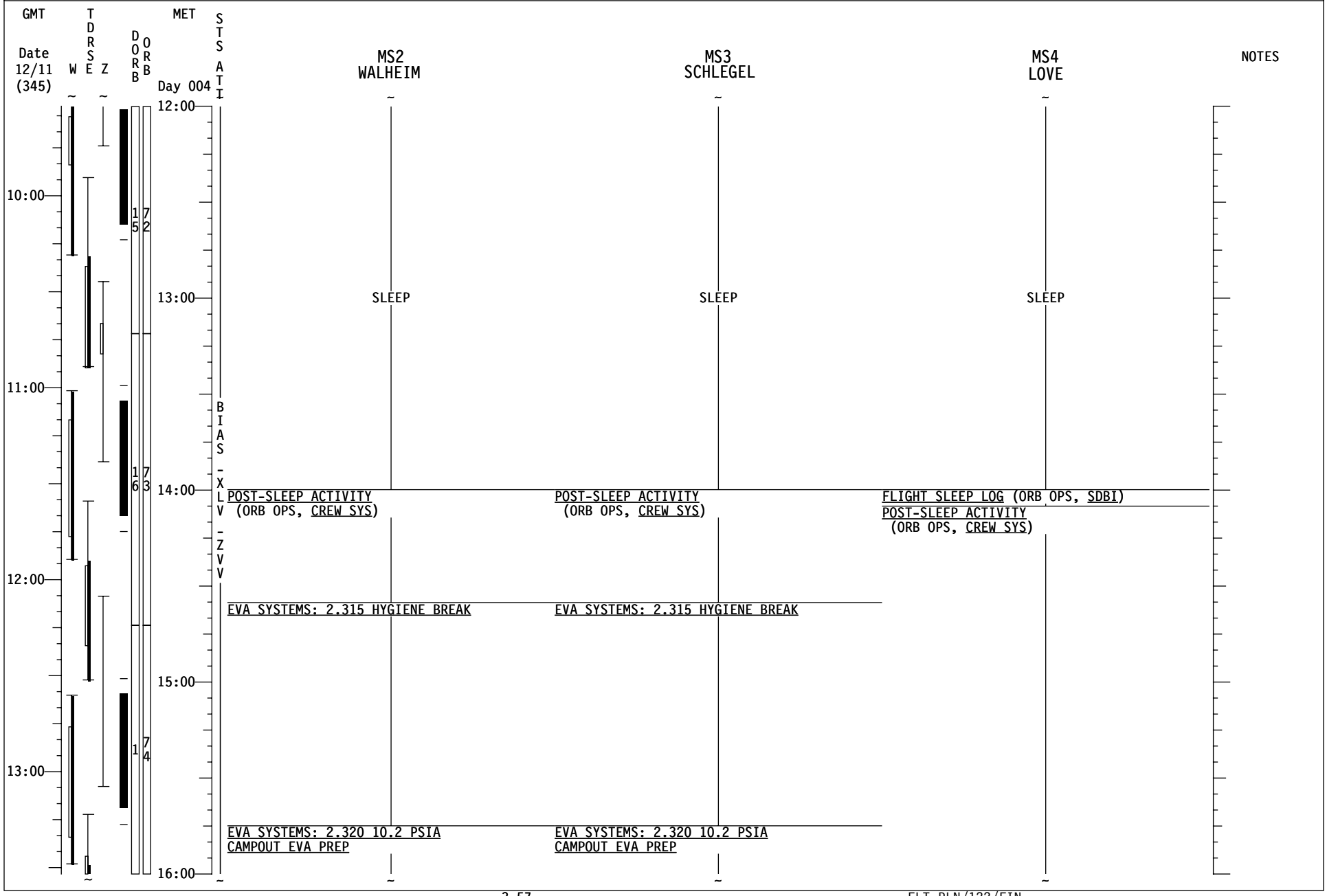
EVA SYSTEMS: 2.315 HYGIENE BREAK

EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (06)


GMT
Date
12/11
(345)
W
TDRSE
Z
DORB
ORB
MET
Day 004
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
12:00
10:00
13:00
11:00
12:00
13:00
14:00
15:00
16:00
15
72
16
73
14
74
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
EVA SYSTEMS: 2.315 HYGIENE BREAK
EVA SYSTEMS: 2.315 HYGIENE BREAK
EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP
EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP

STS-122 FD (06)

GMT Date 12/11 (345) | W | TDRS E | Z | DORB | ORB | MET Day 004 | STS ATI

CDR FRICK

16:00 — EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP

17:00 — EVA SYSTEMS: 1.220 EMU PURGE

EVA SYSTEMS: 1.225 EMU PREBREATHE

18:00 — EVA SYSTEMS: CREWLOCK DEPRESS (CC)

19:00 — IMU ALIGN - S TRK (ORB OPS, GNC)
SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)INIT FILL #7
Ref. MSG XXX

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

20:00

PLT POINDEXTER

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EXERCISE

EVA INHIBIT PAD
(EVA, TIMELINES)

IVA SUPPORT PREP

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

IVA SUPPORT EVA2

MS1 MELVIN

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DAILY TRANSFER LIST UPDATE
Ref. MSG XXX

OBSS MNVR TO EVA 2 VIEWING POSITION
(PDRS, OBSS NOMINAL)Steps 1-3

ILLUMINATOR OPS (CUE CARD)ILLUM OFF - ALL

EXERCISE

TRANSFER OPS
Ref. Transfer List & MSG XXX

ROBOTICS: 1.410 EVA 2-P1 NTA R&R

NOTES

UPLINK
β0 Only
Box 22,23

STS-122 FD (06)

GMT Date 12/11 (345) | W | TDRS E | Z | DORB 1 2 3 4 | ORB 74 75 76 77 | MET Day 004 | STS ATI

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

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

OBSS MNVR TO EVA 2 VIEWING POSITION
(PDRS, OBSS NOMINAL)Steps 1-3
TRANSFER OPS
Ref. Transfer List & MSG XXX

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

BIAS -XLV -ZVV

18:00

EVA SYSTEMS: CREWLOCK DEPRESS (CC)

EVA SYSTEMS: CREWLOCK DEPRESS (CC)

EXERCISE

16:00

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

EVA SYSTEMS: CREWLOCK EGRESS (CC)

EVA SYSTEMS: CREWLOCK EGRESS (CC)

ROBOTICS: 1.410 EVA 2-P1 NTA R&R

19:00

17:00

P1 NTA REMOVAL FROM PLB

P1 NTA REMOVAL FROM PLB

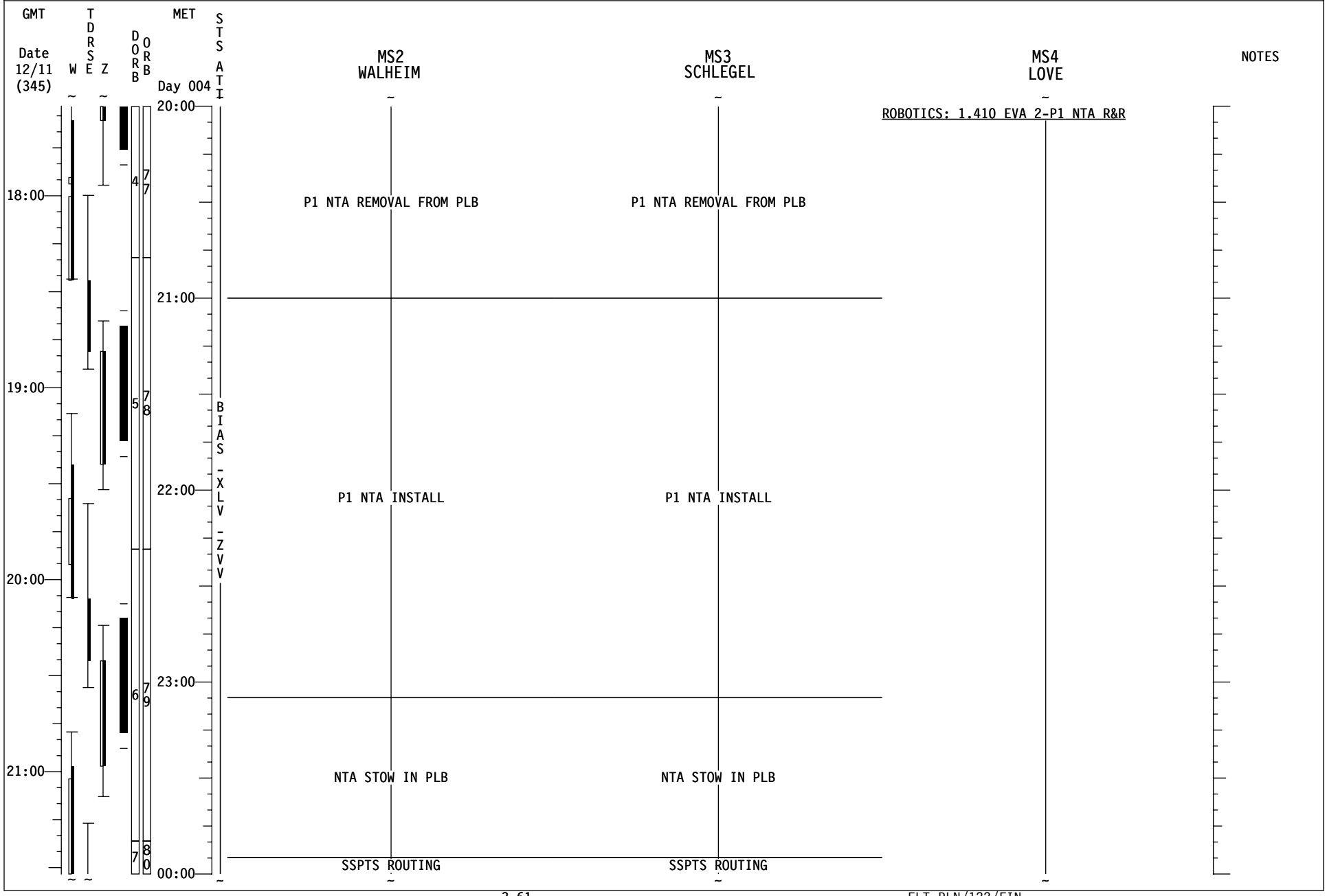
20:00

STS-122 FD (06)

GMT Date 12/11 (345) | W | TDRS E | TDRS Z | DORB 4 5 6 7 | ORB 77 78 79 80 | MET Day 004 | STS ATI BIAS_XLV_ZVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
20:00	P/TV07 EVA (PHOTO/TV, SCENES) Ops		ROBOTICS: 1.41Q EVA 2-P1 NTA R&R	
	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION			
18:00	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #8 Ref. MSG XXX			
21:00	MEAL			
19:00	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION			
22:00	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #9 Ref. MSG XXX	IVA SUPPORT EVA2		
	P/TV07 EVA (PHOTO/TV, SCENES) Ops			
20:00				
23:00				
	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION			
21:00	CWC TRANSFER Transfer 3 CWCs to ISS			
00:00				

STS-122 FD (06)


GMT
Date
12/11
(345)
W
TDRS E
Z
DORB
ORB
MET
Day 004
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
ROBOTICS: 1.410 EVA 2-P1 NTA R&R
18:00
19:00
20:00
21:00
20:00
21:00
22:00
23:00
00:00
4
5
6
7
77
78
79
80
BIAS-XLV-ZVV
P1 NTA REMOVAL FROM PLB
P1 NTA REMOVAL FROM PLB
P1 NTA INSTALL
P1 NTA INSTALL
NTA STOW IN PLB
NTA STOW IN PLB
SSPTS ROUTING
SSPTS ROUTING

STS-122 FD (06)

GMT Date 12/11 (345) | W | TDRS E | TDRS Z | DORB 7 | DORB 8 | DORB 9 | ORB 80 | ORB 81 | ORB 82 | MET Day 005

STS ATI: BIAS-XLV-ZVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
00:00	CWC TRANSFER Transfer 3 CWCs to ISS		ROBOTICS: 1.410 EVA 2-P1 NTA R&R	
22:00		IVA SUPPORT EVA2		
01:00	EXERCISE			
		EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)	OBSS MNVR TO EVA 2 VIEWING POSITION (PDRS, OBSS NOMINAL)Step 4 TRANSFER OPS Ref. Transfer List & MSG XXX	
23:00	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
02:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TRANSFER TAGUP Coordinate with xfer counterpart	
00:00			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
04:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			

STS-122 FD (06)

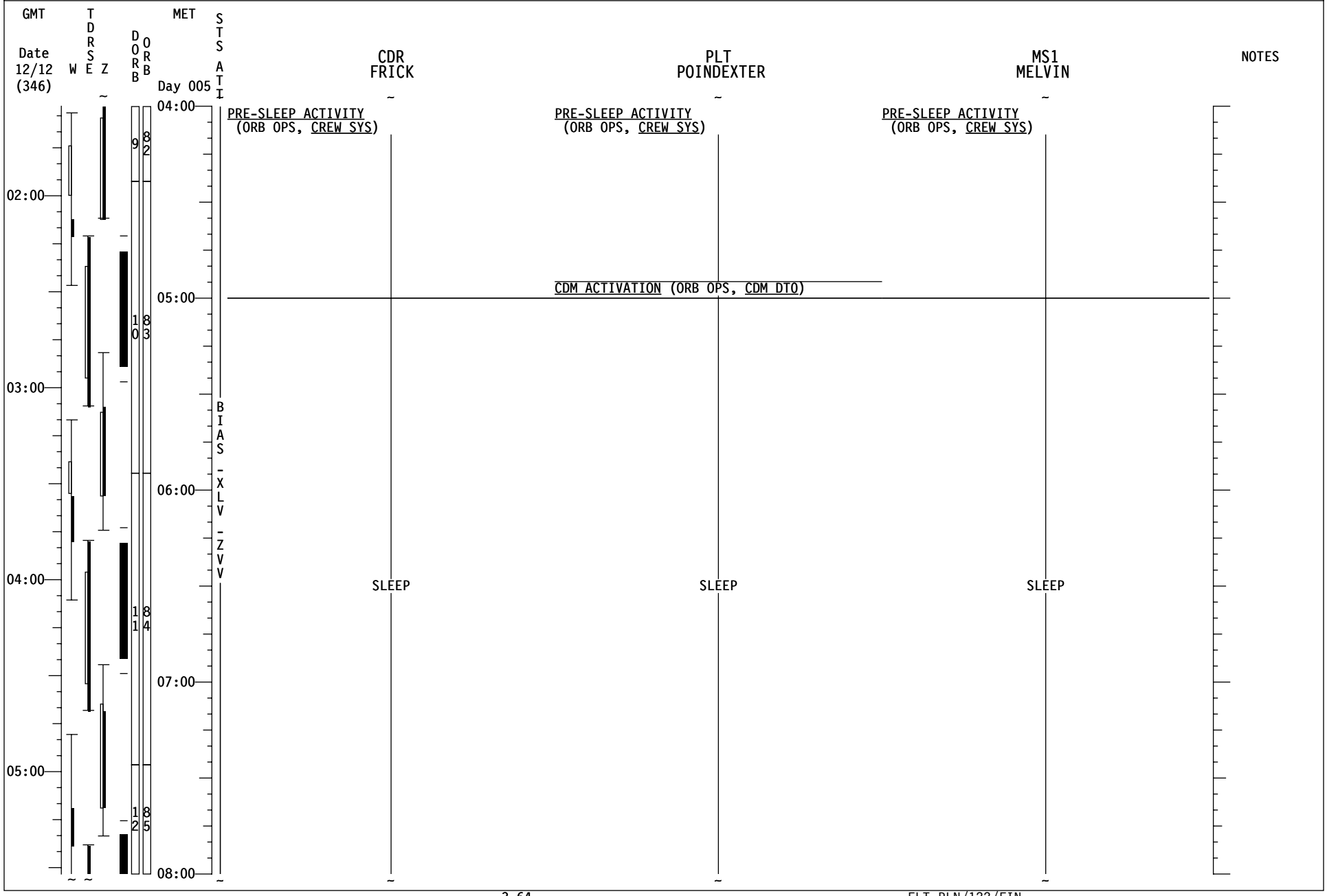
GMT Date 12/11 (345) | W | TDRS E | TDRS Z | DORB 7 | DORB 8 | DORB 9 | ORB 80 | ORB 81 | ORB 82 | MET Day 005 | STS ATI | BIAS -XLV -ZVV

MET: 00:00, 01:00, 02:00, 03:00, 04:00

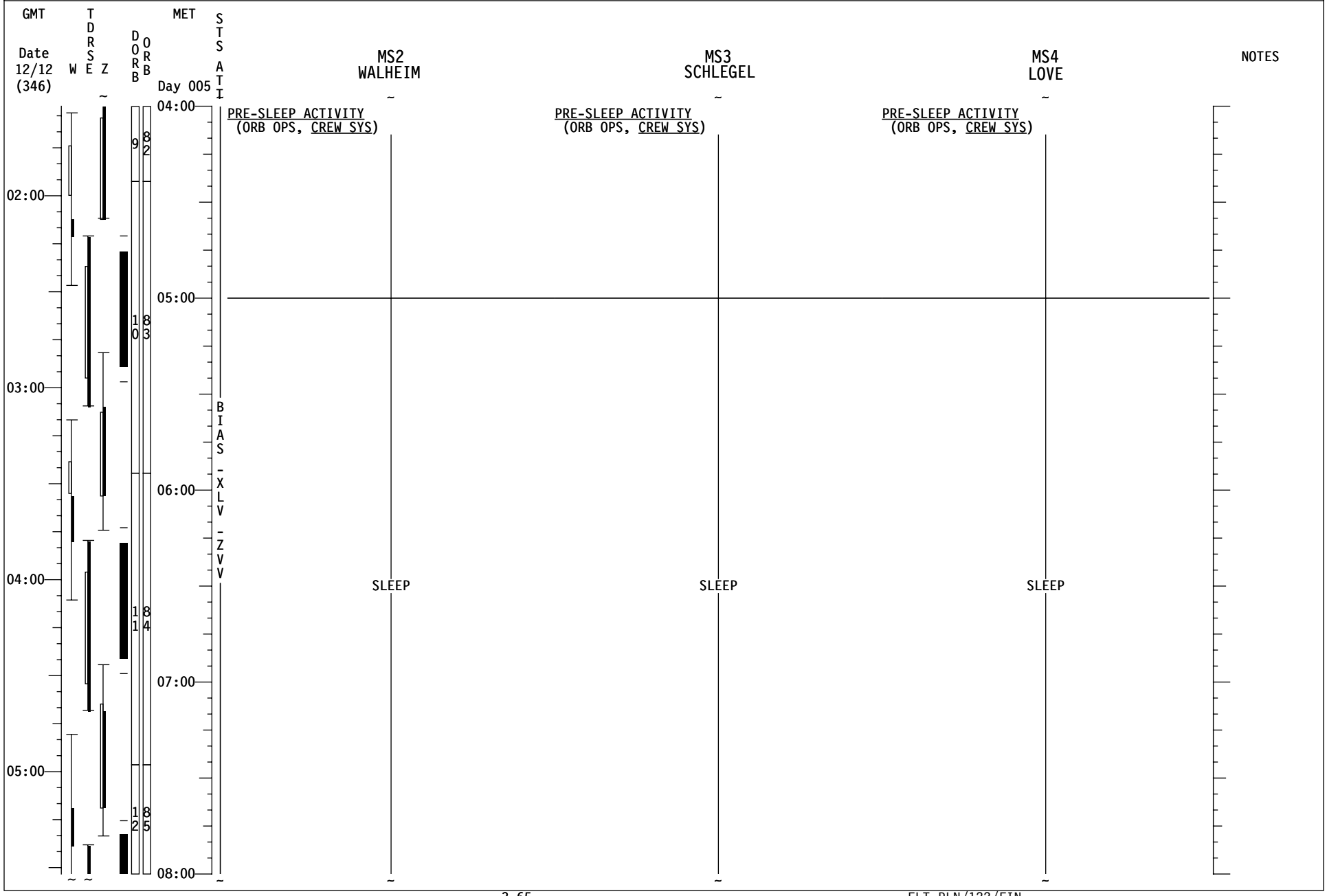
GMT: 22:00, 23:00, 00:00, 01:00

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
		ROBOTICS: 1.410 EVA 2-P1 NTA R&R	
SSPTS ROUTING	SSPTS ROUTING		
CLEANUP AND INGRESS	CLEANUP AND INGRESS		
EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)	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)	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)	TRANSFER TAGUP Coordinate with xfer counterpart	
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps	
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

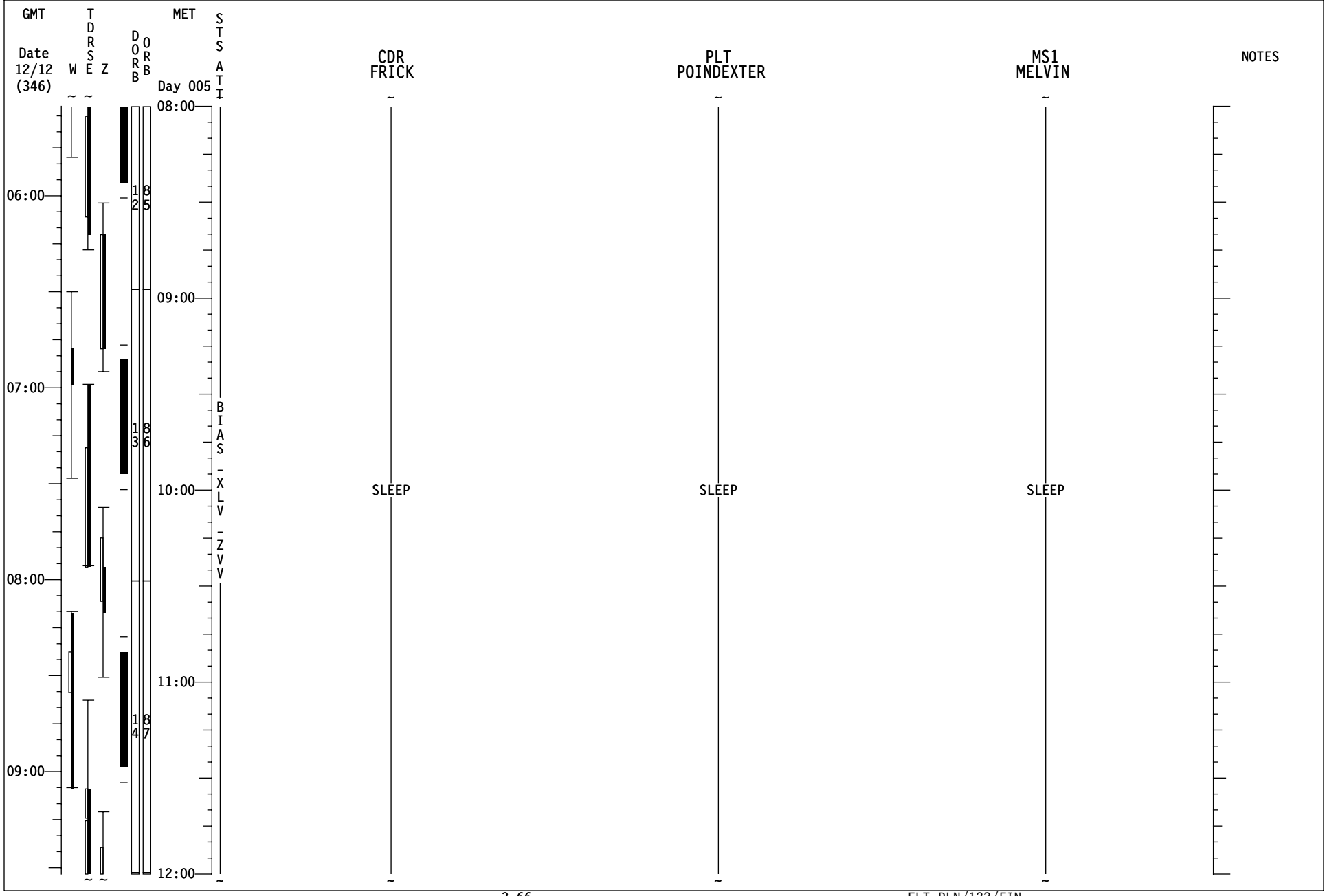
STS-122 FD (06)


GMT
Date 12/12 (346)
W
TDRS E
Z
DORB
ORB
MET
Day 005
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
9
10
11
12
82
83
84
85
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
CDM ACTIVATION (ORB OPS, CDM DTO)
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

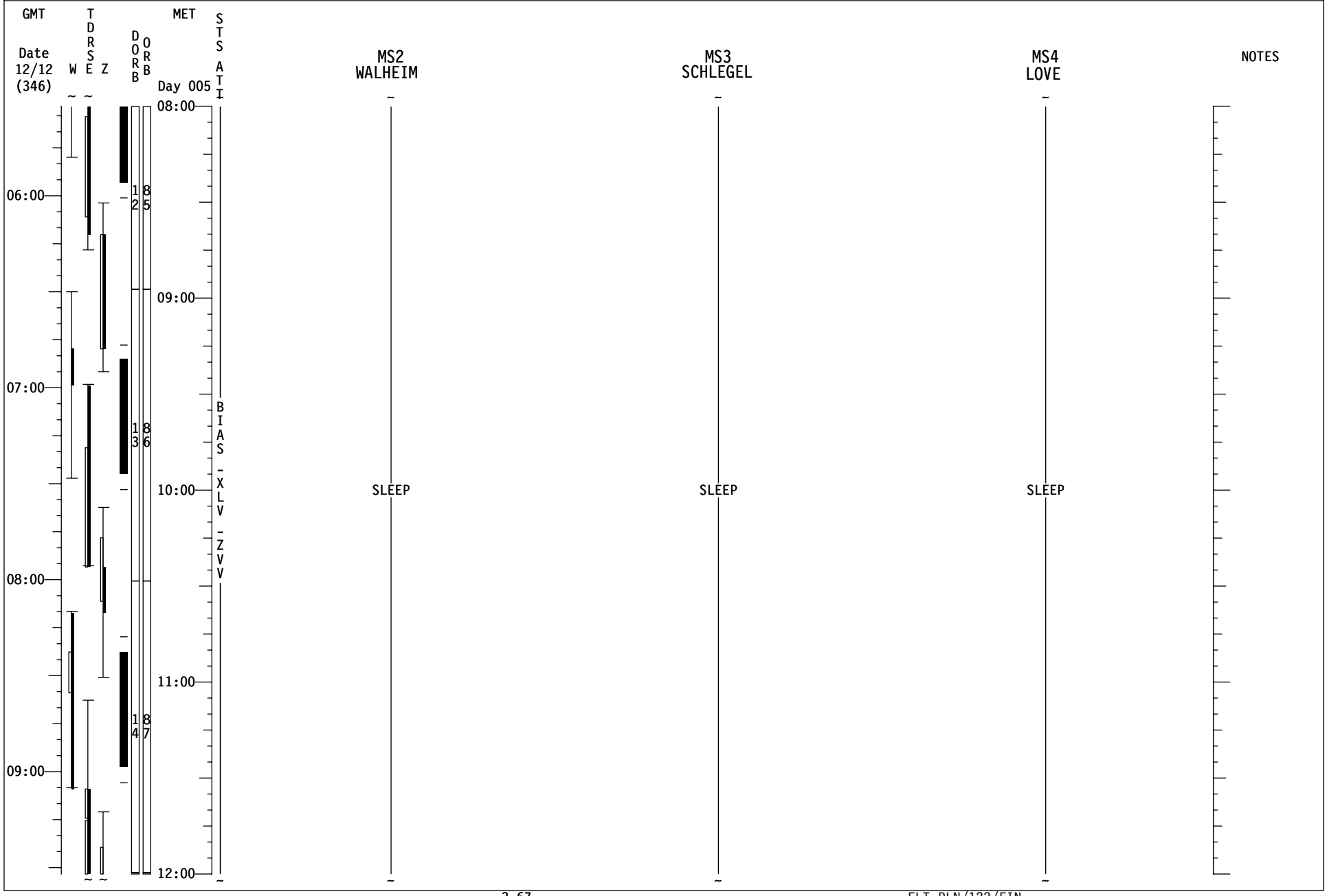
STS-122 FD (06)


GMT
Date
12/12
(346)
W
TDRS E
Z
DORB
ORB
MET
Day 005
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP
BIAS -XLV -ZVV
9
10
11
12
82
83
84
85

STS-122 FD (06)


GMT
Date
12/12
(346)
W
TDRSE
Z
DORB
ORB
MET
Day 005
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
125
136
147
185
186
187
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (06)


GMT
Date
12/12
(346)
W
TDRSE
Z
DORB
ORB
MET
Day 005
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
125
136
147
185
186
187
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (07)

GMT Date 12/12 (346) | W | TDRS E | Z | DORB 15 | ORB 88 | ORB 89 | ORB 90 | MET Day 005 | STS ATT

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

12:00

10:00

SLEEP | SLEEP | SLEEP

FD07 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES and WORLDMAP

13:00

BIAS -XLV -ZVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

CDM DEACTIVATION (ORB OPS, CDM DTO)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

11:00

14:00

12:00

JOINT OPS: 3.110 HANDOVER ATTITUDE
CONTROL CMG TA to ORBITER

15:00

BIAS -XLV +YVV

MNVR (TRK) BIAS -XLV +YVV (Water Dump)
TG=2 BV=5 P=161 Y=354 OM=197
A12/AUTO/VERN Init TRK

SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS)
Initiate Waste Dump

UPDATE H2O WASTE DUMP QTY

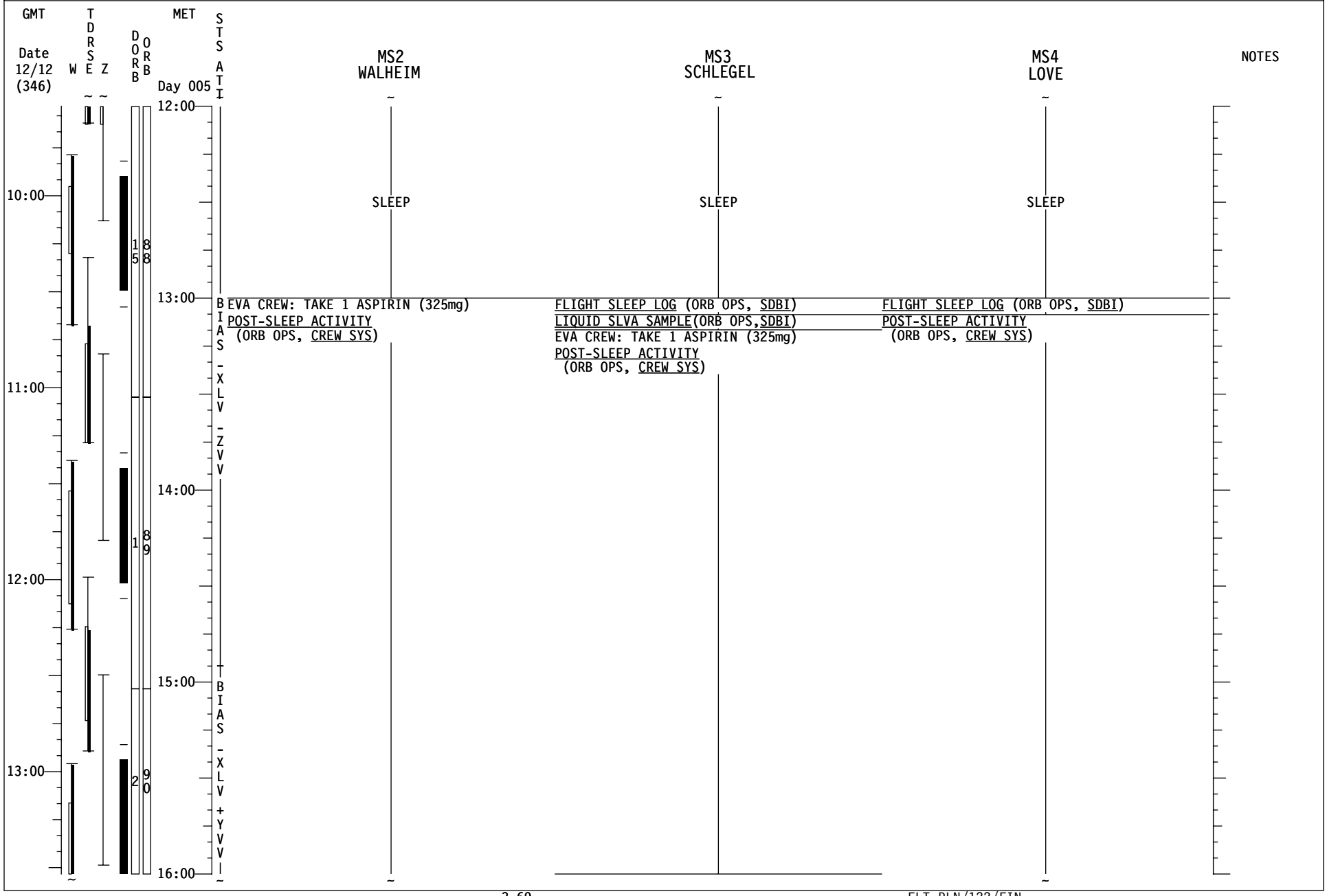
13:00

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EXERCISE

16:00

STS-122 FD (07)


GMT
Date
12/12
(346)
W
TDRS E
Z
DORB
ORB
MET
Day 005
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
12:00
10:00
11:00
13:00
14:00
15:00
16:00
15
18
19
20
89
90
SLEEP
SLEEP
SLEEP
BIAS-XLV-ZVV
BIAS-XLV+YVV
EVA CREW: TAKE 1 ASPIRIN (325mg)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
EVA CREW: TAKE 1 ASPIRIN (325mg)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-122 FD (07)

GMT Date 12/12 (346) | W | TDRS E | TDRS Z | DORB 2 3 4 5 | ORB 90 91 92 93 | MET Day 005 | STS ATI

STS ATI: BIAS -XLV -ZVV

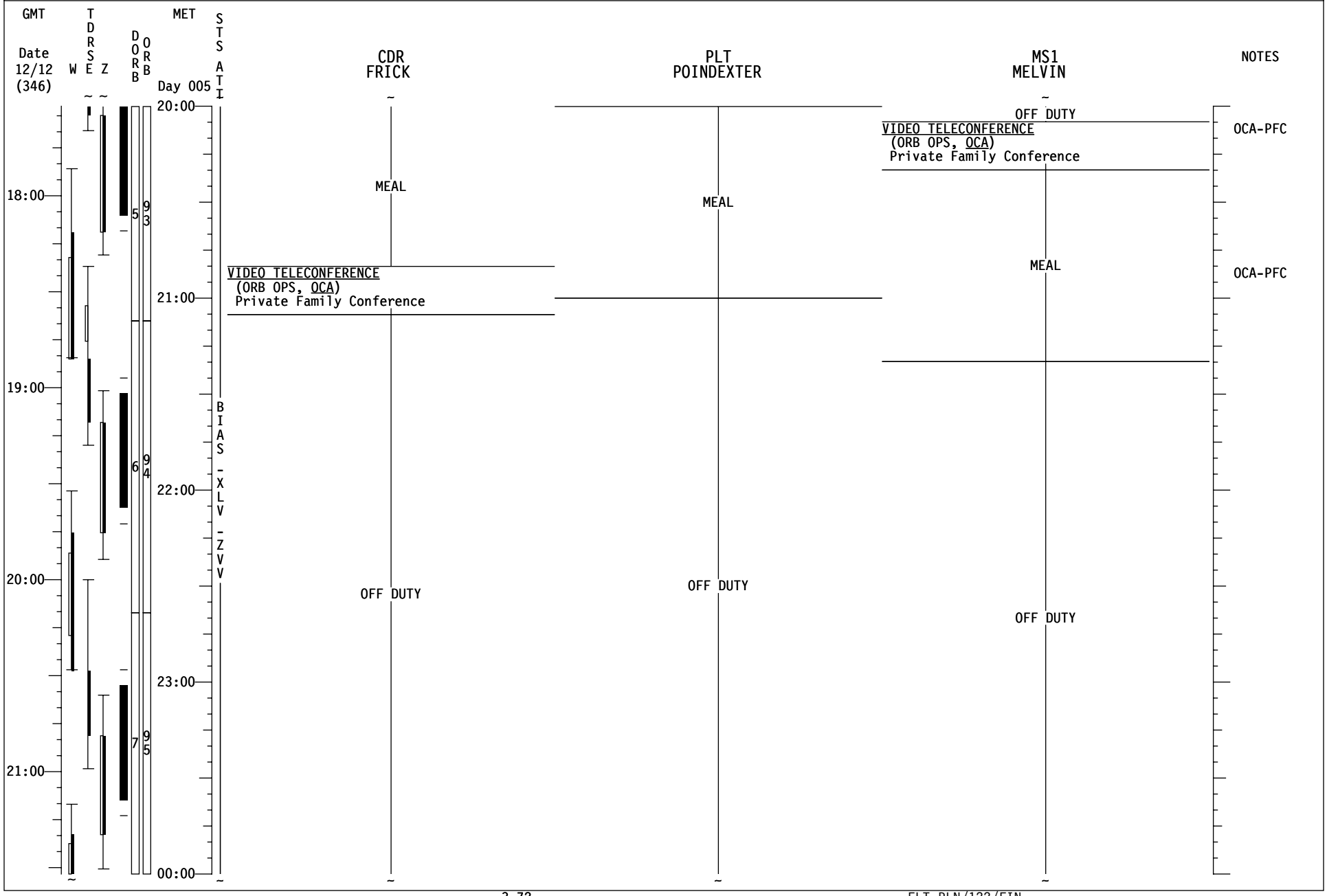
MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EXERCISE	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup	
14:00	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump	L17 Check MCIU filter screen CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO) Location 4		
	MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=161 Y=354 OM=184 A12/AUTO/VERN Init TRK	N2 REPRESS USING PAYLOAD N2 VLVS [A]		
17:00	JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA	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	
	IMU ALIGN - S TRK (ORB OPS, GNC)			
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	
		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	
16:00		N2 REPRESS USING PAYLOAD N2 VLVS [B]		
19:00		OFF DUTY		
	OFF DUTY	VIDEO TELECONFERENCE (ORB OPS, OCA) Private Family Conference	OFF DUTY	OCA-PFC
17:00		OFF DUTY		
20:00	MEAL			

STS-122 FD (07)

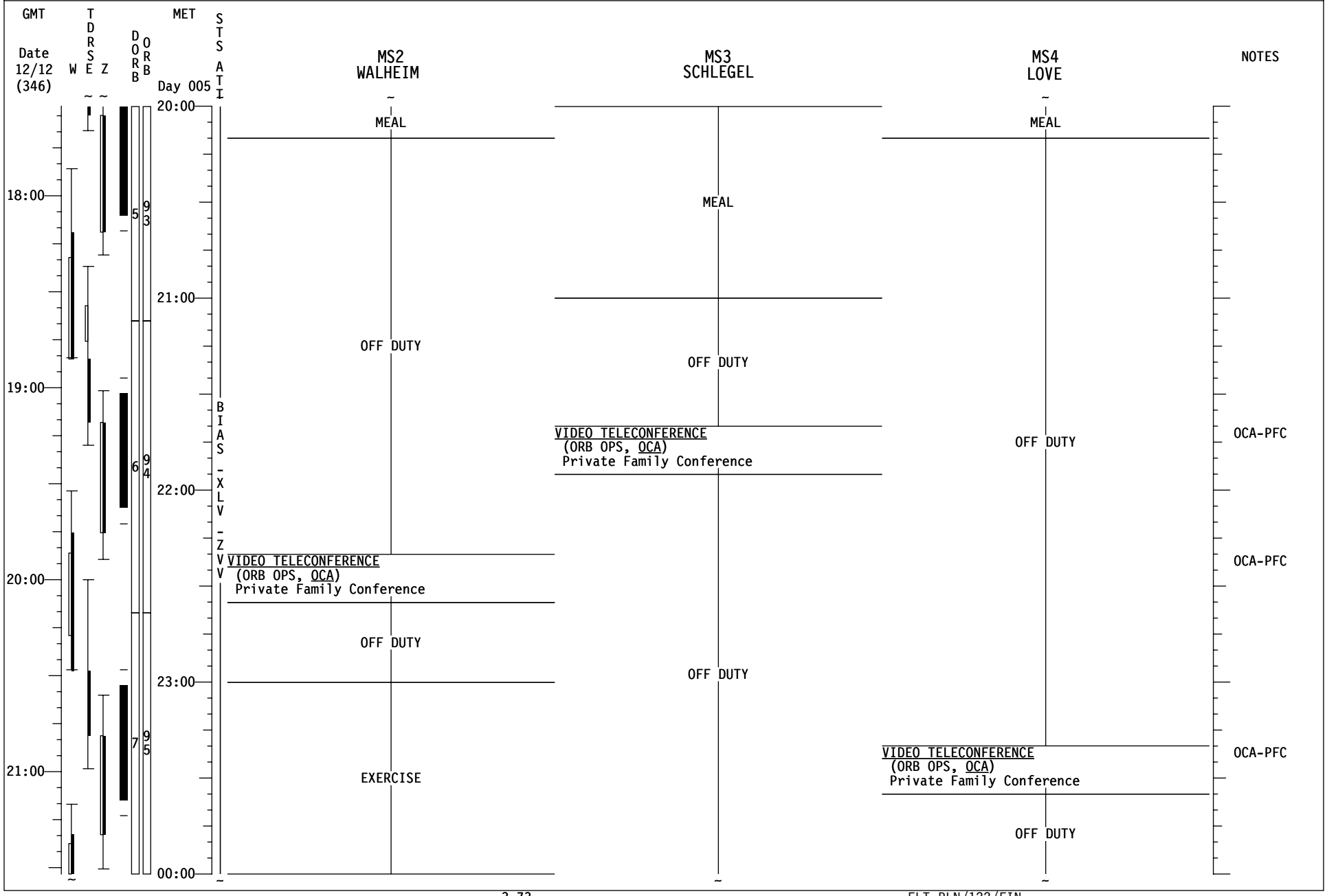
GMT Date 12/12 (346) | W | TDRS E | TDRS Z | DORB 2 3 4 5 | ORB 90 91 92 93 | MET Day 005 | STS ATI BIAS -XLV -ZVV

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
	LV EMU RECONFIGURATION AND SWAP (EVA, AIRLOCK CONFIG)		LV EMU RECONFIGURATION AND SWAP (EVA, AIRLOCK CONFIG)	
14:00		EXERCISE		
	EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT Install METOX Canisters Ref: STS-122 CONSUMABLES TRACKING CC (EVA)		EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT Install METOX Canisters Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	
17:00	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	COL EMERGENCY LIGHT POWER SUPPLY-ENABLE (ASSY OPS, ACT&C/O)	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP 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.	
15:00		ESA PUBLIC AFFAIRS EVENT KU AVAIL: 17:17-17:44		
18:00		1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS, ACT&C/O) Relocate EDR to F1	OFF DUTY	
16:00	OFF DUTY		EXERCISE	
19:00		DISABLE WLES FILE B/U (ORB OPS, WLES)		
17:00	MEAL	OFF DUTY	MEAL	
20:00				

STS-122 FD (07)


GMT
Date 12/12 (346)
W
TDRS E
Z
DORB
ORB
MET
Day 005
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
18:00
19:00
20:00
21:00
20:00
21:00
22:00
23:00
00:00
5
6
7
93
94
95
BIAS-XLV-ZVV
MEAL
VIDEO TELECONFERENCE
(ORB OPS, OCA)
Private Family Conference
OFF DUTY
MEAL
OFF DUTY
OFF DUTY
VIDEO TELECONFERENCE
(ORB OPS, OCA)
Private Family Conference
MEAL
OFF DUTY
OCA-PFC
OCA-PFC

STS-122 FD (07)


GMT
Date 12/12 (346)
W
TDRSE
Z
DORB
ORB
MET
Day 005
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
NOTES
18:00
19:00
20:00
21:00
20:00
21:00
22:00
23:00
00:00
5
6
7
93
94
95
BIAS-XLV-ZVV
MEAL
OFF DUTY
VIDEO TELECONFERENCE
(ORB OPS, OCA)
Private Family Conference
OFF DUTY
EXERCISE
MEAL
OFF DUTY
VIDEO TELECONFERENCE
(ORB OPS, OCA)
Private Family Conference
OFF DUTY
MEAL
OFF DUTY
VIDEO TELECONFERENCE
(ORB OPS, OCA)
Private Family Conference
OFF DUTY
OCA-PFC
OCA-PFC
OCA-PFC

STS-122 FD (07)

GMT Date 12/12 (346) | W | TDRS E | TDRS Z | DORB 7 | DORB 8 | DORB 9 | DORB 10 | ORB 95 | ORB 96 | ORB 97 | ORB 98 | MET Day 006 | STS ATI

22:00 | 23:00 | 00:00 | 01:00

00:00 | 01:00 | 02:00 | 03:00 | 04:00

BIAS-XLV-ZVV

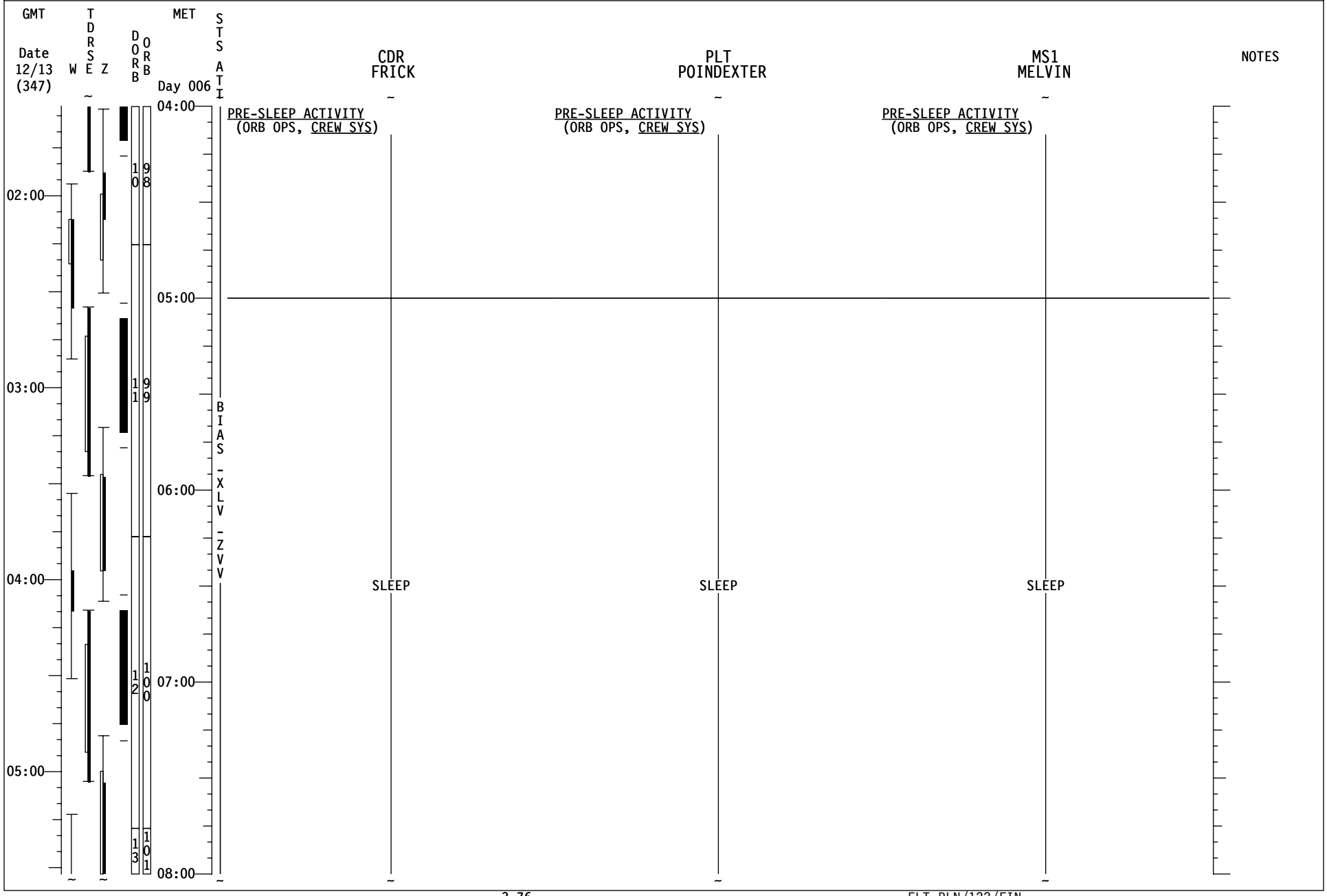
CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
OFF DUTY	OFF DUTY	OFF DUTY	
EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	
PRIVATE MEDICAL CONFERENCE COLUMBUS CONFIG FOR EUTEF & SOLAR INSTALL (ASSY PAYLOADS, COL EXT PAYLOADS) On COL-CC Go, Steps 1.3 - 1.5 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	ILLUMINATOR OPS (CUE CARD)ILLUM ON - A,D PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

STS-122 FD (07)

GMT Date 12/12 (346) | W | TDRS E | TDRS Z | DORB 7 8 9 10 | ORB 95 96 97 98 | MET Day 006 | STS ATI | BIAS-XLV-ZVV

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
00:00	OFF DUTY	OFF DUTY	OFF DUTY	
22:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		ENABLE WLES FILE B/U (ORB OPS, WLES) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
01:00	EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA3 PROCEDURE REVIEW Ref: EVA 3 BRIEFING CARD (EVA, TIMELINES)	
23:00				
02:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	LBP-MUSCLE QSTION(ASSY PL, QSTION) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
00:00				
03:00	EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps Ref: STS-122 CONSUMABLES TRACKING CC (EVA)		EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps Ref: STS-122 CONSUMABLES TRACKING CC (EVA)	
01:00				
04:00				

STS-122 FD (07)


GMT
Date 12/13 (347)
W
TDRS E
Z
DORB
ORB
MET
Day 006
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
10
11
12
13
98
99
100
101
BIAS -XLV -ZVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP

STS-122 FD (07)

GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB 10 | DORB 11 | DORB 12 | DORB 13 | ORB 98 | ORB 99 | ORB 100 | ORB 101 | MET Day 006 | STS ATI BIAS -XLV -ZVV | MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

04:00 — 05:00 — 06:00 — 07:00 — 08:00

02:00 — 03:00 — 04:00 — 05:00

MS2 WALHEIM

EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE
Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

MS3 SCHLEGEL

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

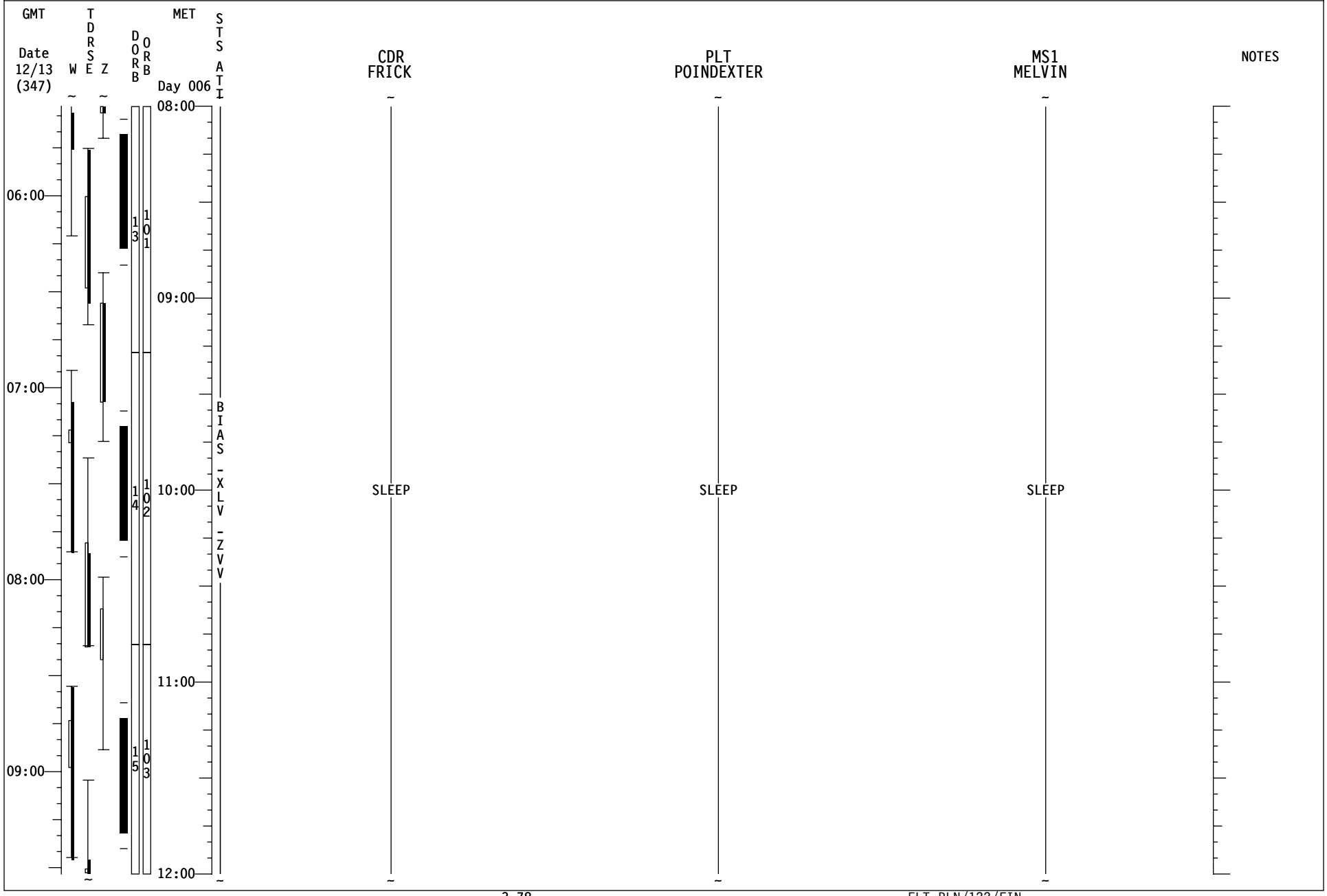
MS4 LOVE

EVA SYSTEMS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE
Ref: EVA TOOLS MANAGEMENT (EVA, TOOLS AND STOWAGE) Perform FD7 Steps
Ref: STS-122 CONSUMABLES TRACKING CC (EVA)

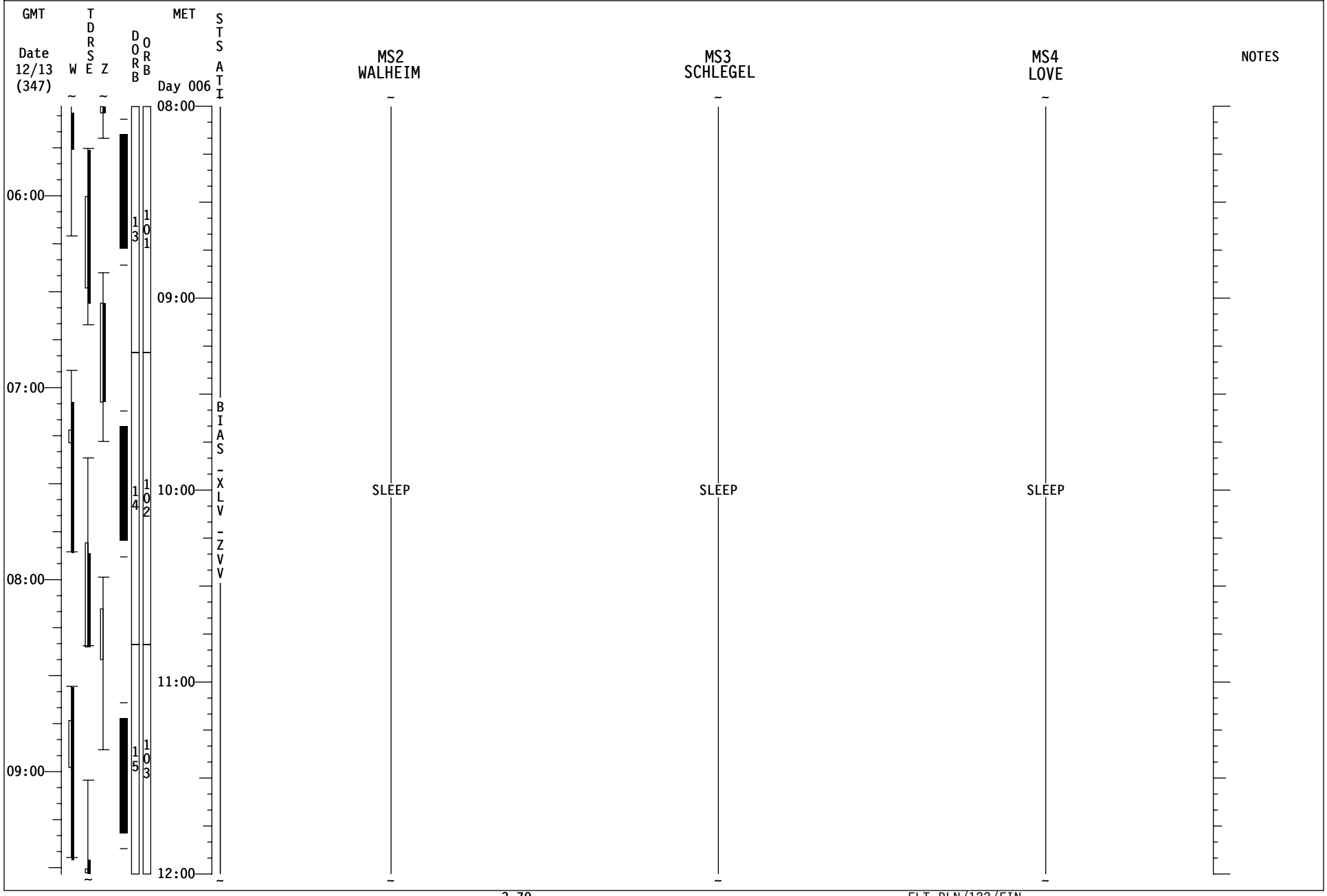
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

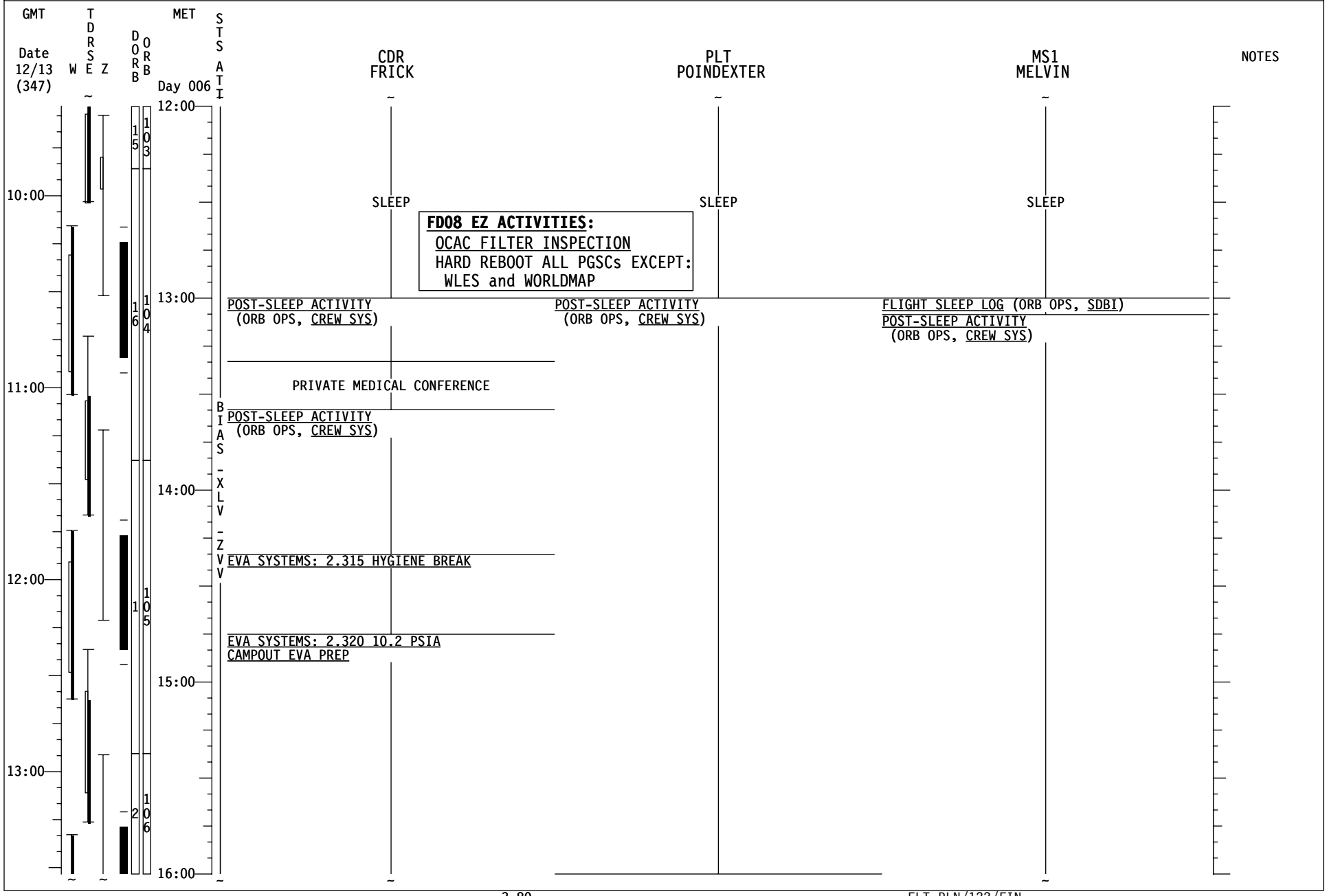
STS-122 FD (07)


GMT
Date
12/13
(347)
W
TDRS E
Z
DORB
ORB
MET
Day 006
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
13
14
15
101
102
103
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (07)


GMT
Date
12/13
(347)
W
TDRS E
Z
DORB
13
14
15
ORB
101
102
103
MET
Day 006
STS ATI
BIAS -XLV -ZVV
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
MS2
WALHEIM
SLEEP
MS3
SCHLEGEL
SLEEP
MS4
LOVE
SLEEP
NOTES

STS-122 FD (08)


GMT
Date 12/13 (347)
W
TDRSE
Z
DORB
ORB
MET
Day 006
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
10:00
11:00
12:00
13:00
12:00
13:00
14:00
15:00
16:00
15
16
1
2
103
104
105
106
SLEEP
SLEEP
SLEEP
FD08 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES and WORLDMAP
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRIVATE MEDICAL CONFERENCE
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
BIAS-XLV-ZVV
EVA SYSTEMS: 2.315 HYGIENE BREAK
EVA SYSTEMS: 2.320 10.2 PSIA
CAMPOUT EVA PREP

STS-122 FD (08)

GMT Date 12/13 (347) | W | TDRS E | Z | DORB 15 16 1 2 | ORB 103 104 105 106 | MET Day 006 | STS ATI

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

12:00 — 10:00 — 11:00 — 12:00 — 13:00 — 14:00 — 15:00 — 16:00

BIAS -XLV -ZVV

SLEEP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA SYSTEMS: 2.315 HYGIENE BREAK

EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP

1.219 REMOVE ETC LOCKER LAUNCH SCREWS (ASSY PAYLOADS, EDR)

1.901 BIOLAB RPDA STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB)

STS-122 FD (08)

GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB 2 3 4 | ORB 106 107 108 | MET Day 006 | STS ATI BIAS-XLV-ZVV

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
16:00	EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP	EVA INHIBIT PAD (EVA, TIMELINES)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) L17 Check MCIU filter screen ILLUMINATOR OPS (CUE CARD)ILLUM OFF - ALL	
	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	
14:00	EVA SYSTEMS: 1.225 EMU PREBREATHE			
		EXERCISE		
17:00				
	EVA SYSTEMS: CREWLOCK DEPRESS (CC)			
15:00		IVA SUPPORT PREP	1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS, ACT&C/O) Relocate BIOLAB to A2, Steps 5.10-end	
		EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)		
18:00	IMU ALIGN - S TRK (ORB OPS, GNC) PRLA CLOSE (ORB OPS, PRLA)		ROBOTICS: 1.510 EVA3-SOLAR TRANSFER	UPLINK β0 Only Box 22,23
16:00	PWR FILL (ORB OPS, ECLS) Perform Water Fill #7 Ref. MSG XXX			
19:00		IVA SUPPORT EVA3		
17:00	EXERCISE			
20:00	COLUMBUS CONFIG FOR EUTEF AND SOLAR INSTALLATION (ASSY PAYLOADS, COL EXT PAYLOADS) Steps 2.1 & 2.2			

STS-122 FD (08)

GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB 2 | DORB 3 | DORB 4 | ORB 106 | ORB 107 | ORB 108 | MET Day 006 | STS ATI

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
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	
	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	
14:00	EVA SYSTEMS: 1.225 EMU PREBREATHE		EVA SYSTEMS: 1.225 EMU PREBREATHE	
17:00		1.701 BIOLAB LAPTOP STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB)		
	EVA SYSTEMS: CREWLOCK DEPRESS (CC)		EVA SYSTEMS: CREWLOCK DEPRESS (CC)	
15:00		1.207 COLUMBUS ISPR RACK RELOCATION (ASSY OPS) Relocate BIOLAB to A2, Steps 5.10-end		
	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)	
18:00				
		1.001 BIOLAB INSPECTION AFTER RACK RELOCATION (ASSY PAYLOADS, BIOLAB)		
16:00		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				

BIAS - XLV - ZVV

STS-122 FD (08)

GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB | ORB | MET Day 006 | STS ATI

CDR FRICK

20:00
- COLUMBUS CONFIG FOR EUTEF AND SOLAR INSTALLATION (ASSY PAYLOADS, COL EXT PAYLOADS) Steps 2.1 & 2.2
- P/TV07 EVA (PHOTO/TV, SCENES) Ops

18:00

MEAL

21:00
- SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS)INIT FILL #10 Ref. MSG XXX
- P/TV07 EVA (PHOTO/TV, SCENES) Ops

22:00
- SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION

23:00
- SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS)INIT FILL #11 Ref. MSG XXX
- P/TV07 EVA (PHOTO/TV, SCENES) Ops
- COLUMBUS CONFIG FOR EUTEF AND SOLAR INSTALLATION (ASSY PAYLOADS, COL EXT PAYLOADS) Steps 4.1 and 4.2
- ESA_SODF: EPDS: 2.310 PPSB MANUAL POWER SWITCHING Step 1.3 for PPSB Bus 1 (X=1), Outlets PL OZ 1 AND PL OX 1
- P/TV07 EVA (PHOTO/TV, SCENES)Ops

00:00

PLT POINDEXTER

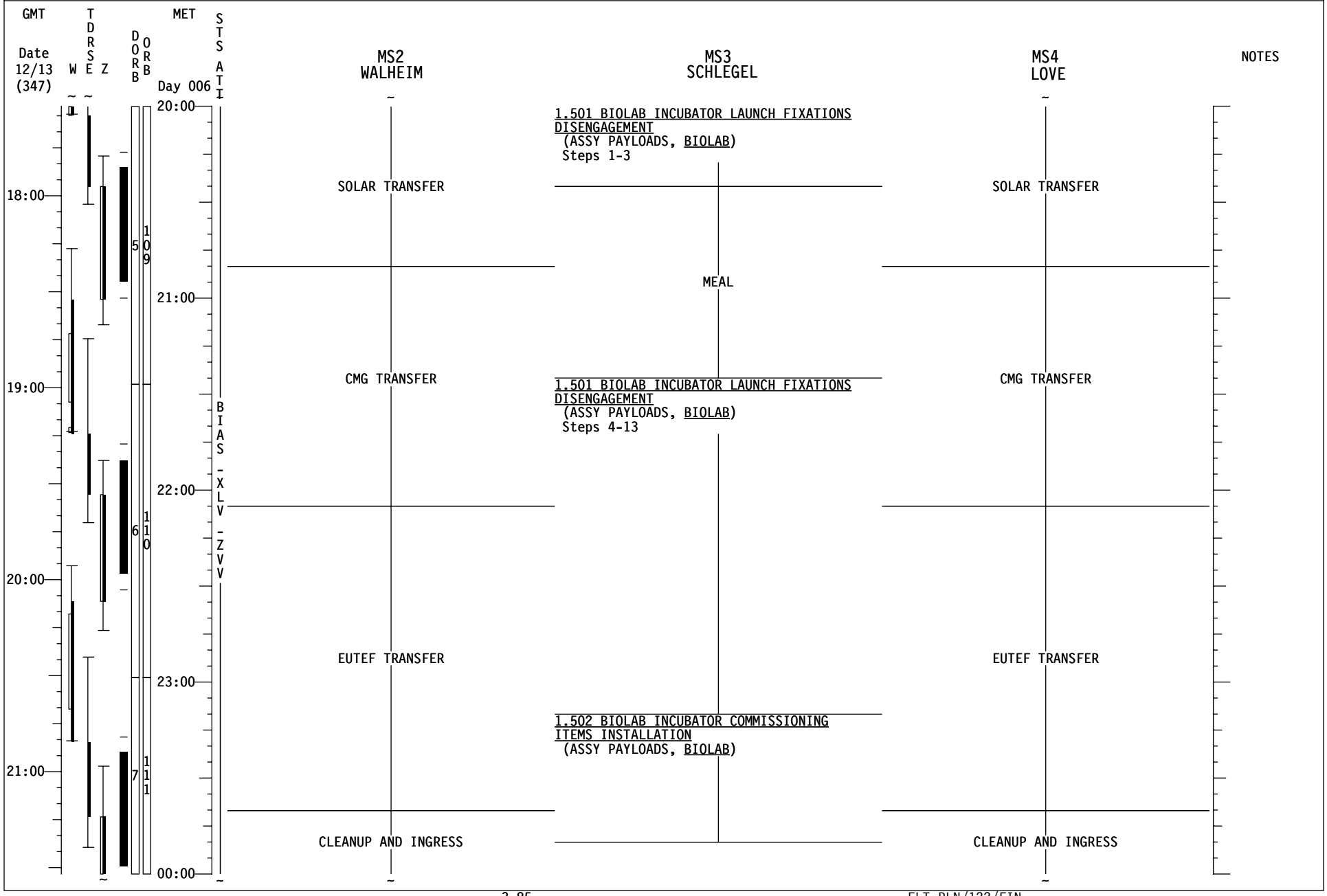
IVA SUPPORT EVA3

MS1 MELVIN

- ROBOTICS: 1.510 EVA3-SOLAR TRANSFER
- ROBOTICS: 1.511 EVA3-CMG RETURN
- ROBOTICS: 1.512 EVA3-EuTEF TRANSFER

NOTES

STS-122 FD (08)


GMT
Date 12/13 (347)
W
TDRSE
Z
DORB
ORB
MET
Day 006
STS
ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
NOTES
18:00
19:00
20:00
21:00
20:00
21:00
22:00
23:00
00:00
5
6
7
109
110
111
BIAS-XLV-ZVV
SOLAR TRANSFER
CMG TRANSFER
EUTEF TRANSFER
CLEANUP AND INGRESS
1.501 BIOLAB INCUBATOR LAUNCH FIXATIONS DISENGAGEMENT
(ASSY PAYLOADS, BIOLAB)
Steps 1-3
MEAL
1.501 BIOLAB INCUBATOR LAUNCH FIXATIONS DISENGAGEMENT
(ASSY PAYLOADS, BIOLAB)
Steps 4-13
1.502 BIOLAB INCUBATOR COMMISSIONING ITEMS INSTALLATION
(ASSY PAYLOADS, BIOLAB)
SOLAR TRANSFER
CMG TRANSFER
EUTEF TRANSFER
CLEANUP AND INGRESS

STS-122 FD (08)

GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB 7 | DORB 8 | DORB 9 | DORB 10 | ORB 111 | ORB 112 | ORB 113 | ORB 114 | MET Day 007 | STS ATI | BIAS-XLV-ZVV

22:00 23:00 00:00 01:00

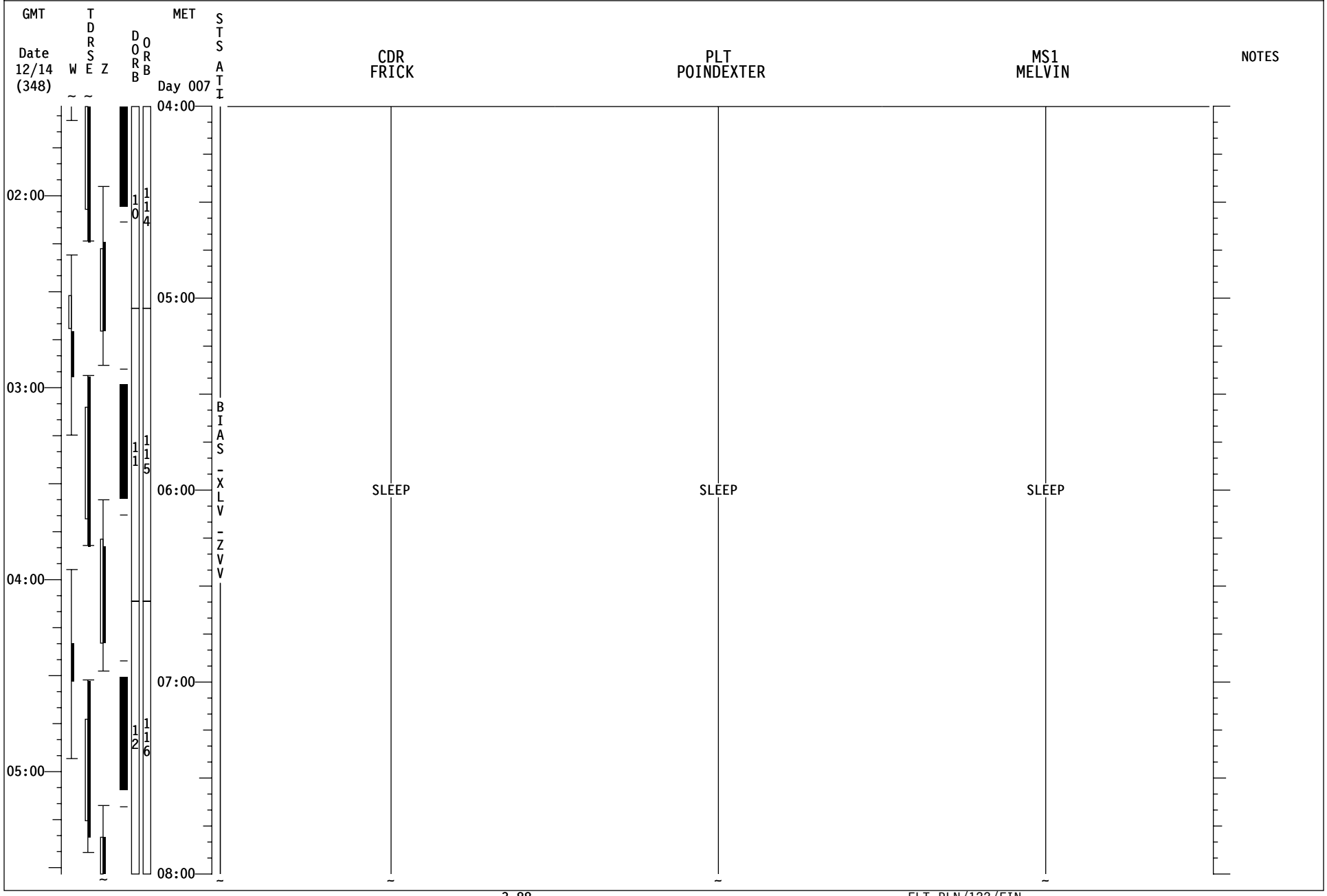
MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
00:00	P/TV07 EVA (PHOTO/TV, SCENES) Ops	IVA SUPPORT EVA3	ROBOTICS: 1.512 EVA3-EuTEF TRANSFER	
	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	EVA SYSTEMS: PRE REPRESS (CC)		
		EVA SYSTEMS: CREWLOCK REPRESS (CC)		UPLINK β21 Only Box 22,23
	EVA SYSTEMS: 1.240 POST EVA With H2O With METOX Steps 37 & 67 not req'd	CWC TRANSFER Transfer 2 CWCs to ISS		
	Ref: STS-122 CONSUMABLES TRACKING CC (EVA)			
01:00	Ref: POST EVA GLOVE PHOTOS (EVA, MAINT/RCHRG)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EXERCISE	
		√ HUM SEP for H2O Accumulation		
			ILLUMINATOR OPS (CUE CARD) ILLUM ON - A,D	
			PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
02:00	PRIVATE MEDICAL CONFERENCE			
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
03:00				
04:00		CDM ACTIVATION (ORB OPS, CDM DTO)		

STS-122 FD (08)

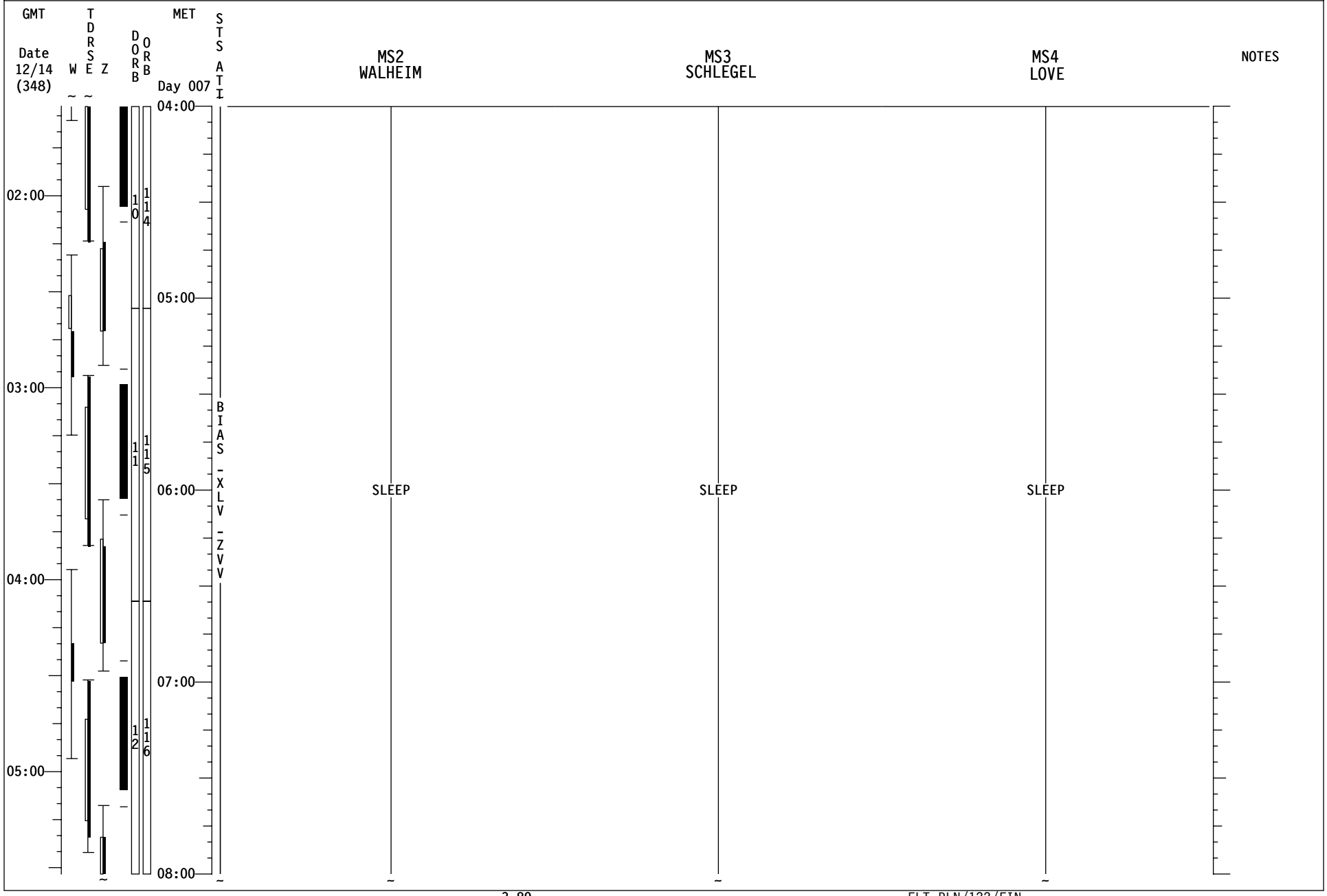
GMT Date 12/13 (347) | W | TDRS E | TDRS Z | DORB 7 8 9 10 | ORB 111 112 113 114 | MET Day 007 | STS ATI BIAS XLV ZVV

GMT	MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
22:00	00:00	CLEANUP AND INGRESS		CLEANUP AND INGRESS	
		EVA SYSTEMS: PRE REPRESS (CC)		EVA SYSTEMS: PRE REPRESS (CC)	
		EVA SYSTEMS: CREWLOCK REPRESS (CC)		EVA SYSTEMS: CREWLOCK REPRESS (CC)	
		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)	EXERCISE	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)	
23:00	01:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
	02:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
00:00	03:00				
01:00	04:00				

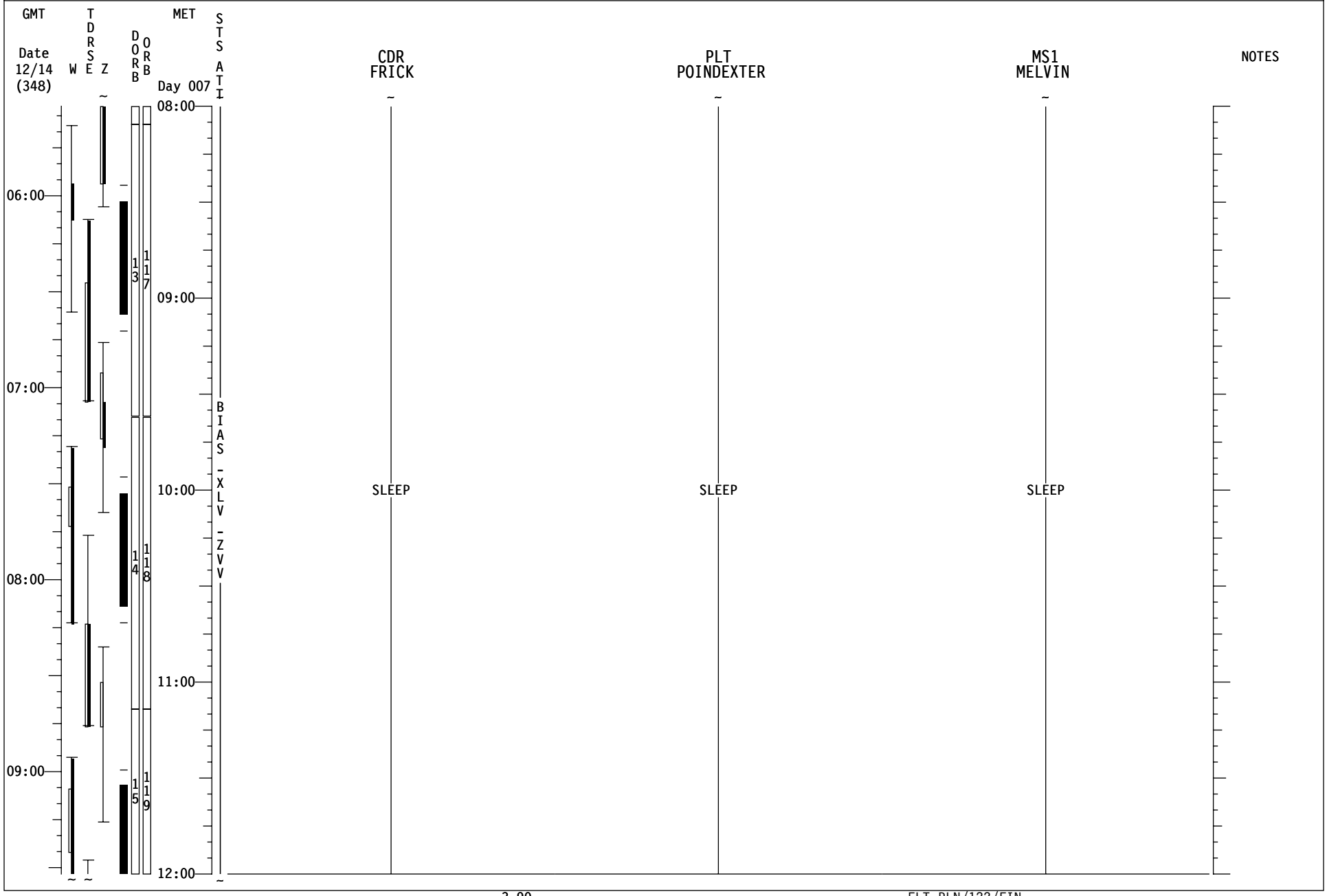
STS-122 FD (08)


GMT
Date
12/14
(348)
W
TDRS E
Z
DORB
ORB
MET
Day 007
STS ATI
BIAS -XLV -ZVV
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
04:00
05:00
06:00
07:00
08:00
02:00
03:00
04:00
05:00
10
11
12
114
115
116
SLEEP
SLEEP
SLEEP

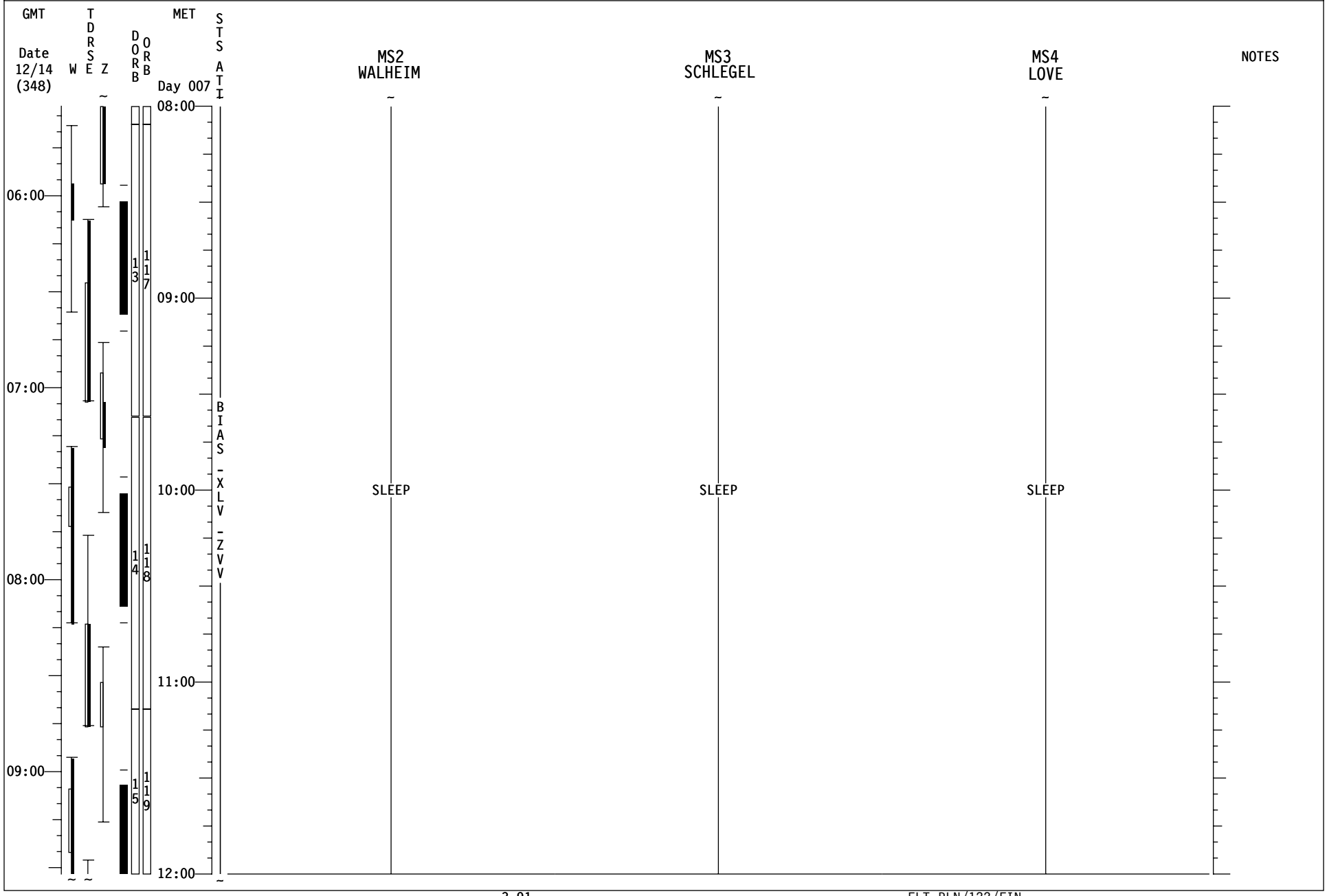
STS-122 FD (08)


GMT
Date
12/14
(348)
W
TDRSE
Z
DORB
ORB
MET
Day 007
STS ATI
BIAS-XLV-ZVV
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
10
11
12
114
115
116
SLEEP
SLEEP
SLEEP

STS-122 FD (08)


GMT
Date
12/14
(348)
W
TDRS E
Z
DORB
ORB
MET
Day 007
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
13
14
15
117
118
119
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (08)


GMT
Date
12/14
(348)
W
TDRS E
Z
DORB
13
14
15
ORB
117
118
119
MET
Day 007
STS ATI
BIAS -XLV -ZVV
08:00
09:00
10:00
11:00
12:00
06:00
07:00
08:00
09:00
MS2
WALHEIM
SLEEP
MS3
SCHLEGEL
SLEEP
MS4
LOVE
SLEEP
NOTES

STS-122 FD (09)

GMT Date 12/14 (348) | W | TDRS E | Z | DORB | ORB | MET Day 007 | STS ATI

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

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
12:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	CDM DEACTIVATION (ORB OPS, CDM DTO) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FLIGHT SLEEP LOG (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
10:00				
11:00				
12:00				
13:00				
14:00				
15:00	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	PWR FILL (ORB OPS, ECLS) Perform Water Fill #8 Ref. MSG XXX	L17 Check MCIU filter screen ILLUMINATOR OPS (CUE CARD)ILLUM OFF - ALL DAILY TRANSFER LIST UPDATE Ref. MSG XXX	
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	

BIAS-XLV-ZVV

REBOOST

STS-122 FD (09)

GMT Date 12/14 (348) | W | TDRS E | TDRS Z | DORB | ORB | MET Day 007 | STS ATI

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | NOTES

10:00
11:00
12:00
13:00

DORB: 15, 1, 2, 3
ORB: 119, 120, 121, 122

12:00

FLIGHT SLEEP LOG (ORB OPS, SDBI)
EVA CREW: TAKE 1 ASPIRIN (325mg)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

LIQUID SLVA SAMPLE(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FLIGHT SLEEP LOG (ORB OPS, SDBI)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
EVA CREW: TAKE 1 ASPIRIN (325mg)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

13:00

BIAS-XLV-ZVV

14:00

15:00

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD9 - EVA 3 Deconfig Steps

EVA TOOLS MANAGEMENT
(EVA, TOOLS AND STOWAGE)
Perform FD9 - EVA 3 Deconfig Steps

REBOOST

POST EVA EMU RECONFIGURATION
AND TRANSFER
(EVA, AIRLOCK CONFIG)
Do not perform EVA UNPACK AND
STOW steps

1.401 BIOLAB HANDLING MECHANISM
LAUNCH FIXATIONS DISENGAGEMENT
(ASSY PAYLOADS, BIOLAB)

1.402 BIOLAB HANDLING MECHANISM
STOWAGE ITEMS INSTALLATION
(ASSY PAYLOADS, BIOLAB)

POST EVA EMU RECONFIGURATION
AND TRANSFER
(EVA, AIRLOCK CONFIG)
Do not perform EVA UNPACK AND
STOW steps

16:00

STS-122 FD (09)

GMT Date 12/14 (348) | W | TDRS E | TDRS Z | DORB 3 4 5 | ORB 122 123 124 | MET Day 007 | STS ATI

GMT	MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
	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	
		JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA	TRANSFER OPS Ref. Transfer List & MSG XXX		
	17:00	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			
15:00		TRANSFER OPS Ref. Transfer List & MSG XXX	[B] N2 REPRESS USING PAYLOAD N2 VLVS (ORB OPS, ECLS) On MCC Go, perform steps 7-12 MCC will TMBU all S/W limits		
			SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Ops	
	18:00		CWC TRANSFER Transfer 1 CWCs to ISS		
			TRANSFER OPS Ref. Transfer List & MSG XXX		
16:00		PWR FILL (ORB OPS, ECLS) Perform Water Fill #9 Ref. MSG XXX		TRANSFER OPS Ref. Transfer List & MSG XXX	
			P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Setup		
	19:00	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) | W | TDRS E | TDRS Z | DORB 3 | DORB 4 | DORB 5 | ORB 122 | ORB 123 | ORB 124 | MET Day 007 | STS ATI | BIAS-XLV-ZVV

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
16:00	POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Do not perform EVA UNPACK AND STOW steps	1.402 BIOLAB HANDLING MECHANISM STOWAGE ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.403 BIOLAB HANDLING MECHANISM CMSSNING ITEMS INSTALLATION (ASSY PAYLOADS, BIOLAB) 1.601 BIOLAB ANALYSIS INSTRUMENTS CMSSN ITEMS INSTALL (ASSY PAYLOADS, BIOLAB)	POST EVA EMU RECONFIGURATION AND TRANSFER (EVA, AIRLOCK CONFIG) Do not perform EVA UNPACK AND STOW steps	
14:00				
17:00				
15:00				
18:00		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)		
16:00				
19:00		DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)	
17:00	CREW CONFERENCE	CREW CONFERENCE	CREW CONFERENCE	
	CREW PHOTO	CREW PHOTO	CREW PHOTO	
20:00				

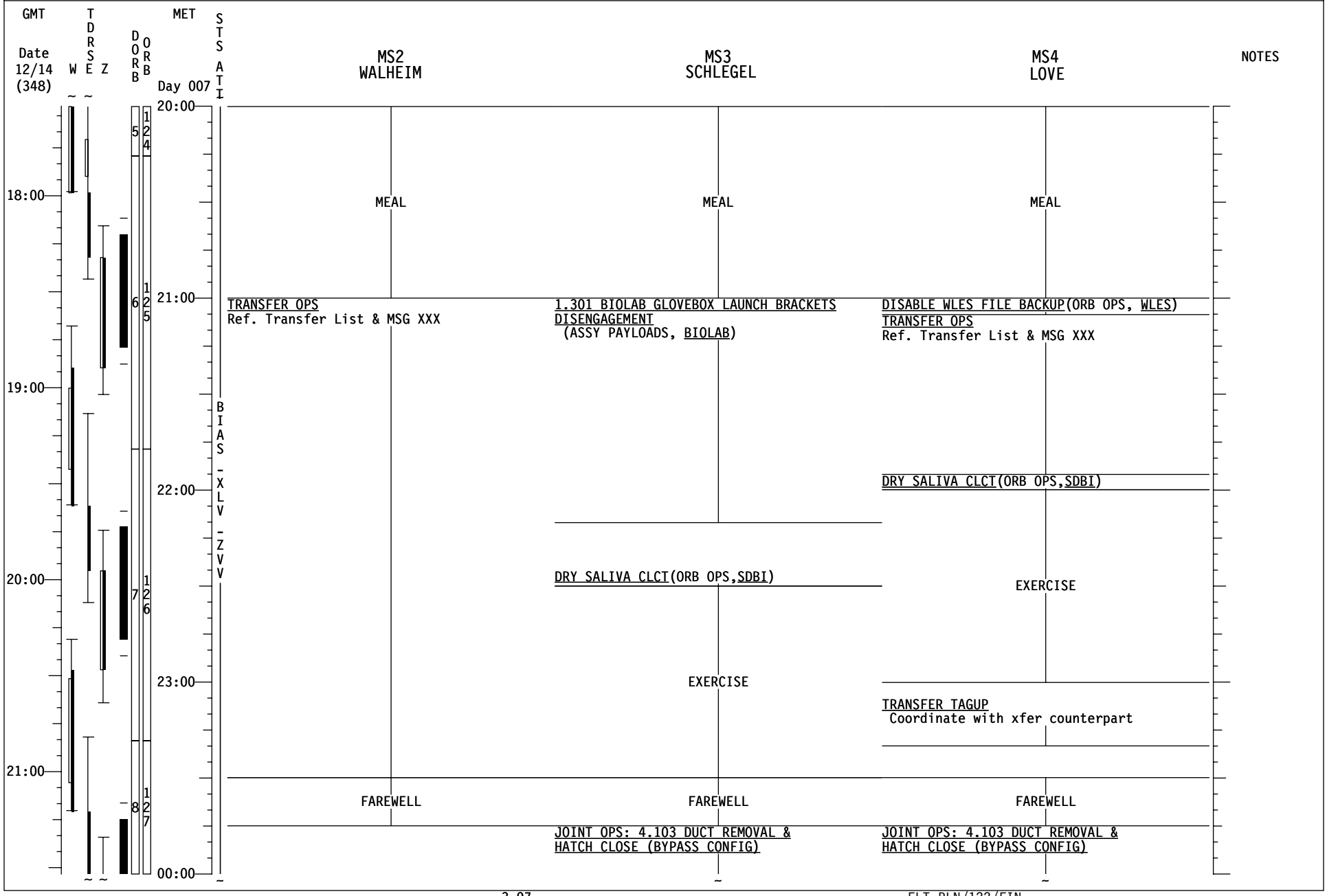
STS-122 FD (09)

GMT Date 12/14 (348) | W | TDRS E | Z | DORB 5 6 7 8 | ORB 124 125 126 127 | MET Day 007 | STS ATI

BIAS-XLV-ZVV

GMT	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
20:00	MEAL	MEAL	MEAL	
21:00	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)	
22:00	EXERCISE	TRANSFER OPS Ref. Transfer List & MSG XXX	US PODF: HRF INT IMM: 2.011 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 1, BLOOD SETUP	
	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION		US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2, BLOOD DRAW	
	CWC TRANSFER Transfer 1 CWC to ISS		US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2, BLOOD DRAW	
	JOINT OPS: 3.118 OXYGEN TRANSFER TEARDOWN Steps 1-6			
23:00		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Setup	US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 3,STOW	
			TRANSFER TAGUP Coordinate with xfer counterpart	
		P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Perform DEACTIVATION,Step 2	TRANSFER BRIEF Call down status to MCC	
	FAREWELL	FAREWELL	FAREWELL	
00:00	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
Date 12/14 (348)
W
TDRSS
E
Z
DORB
ORB
MET
Day 007
STS
ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
NOTES
20:00
18:00
21:00
19:00
22:00
20:00
23:00
21:00
00:00
5
6
7
8
124
125
126
127
BIAS-XLV-ZVV
MEAL
MEAL
MEAL
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
DRY SALIVA CLCT(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
EXERCISE
EXERCISE
TRANSFER TAGUP
Coordinate with xfer counterpart
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 Date 12/14 (348) | W | TDRS E | TDRS Z | DORB 8 9 10 | ORB 127 128 129 | MET Day 008 | STS ATI BIAS -XLV -ZVV

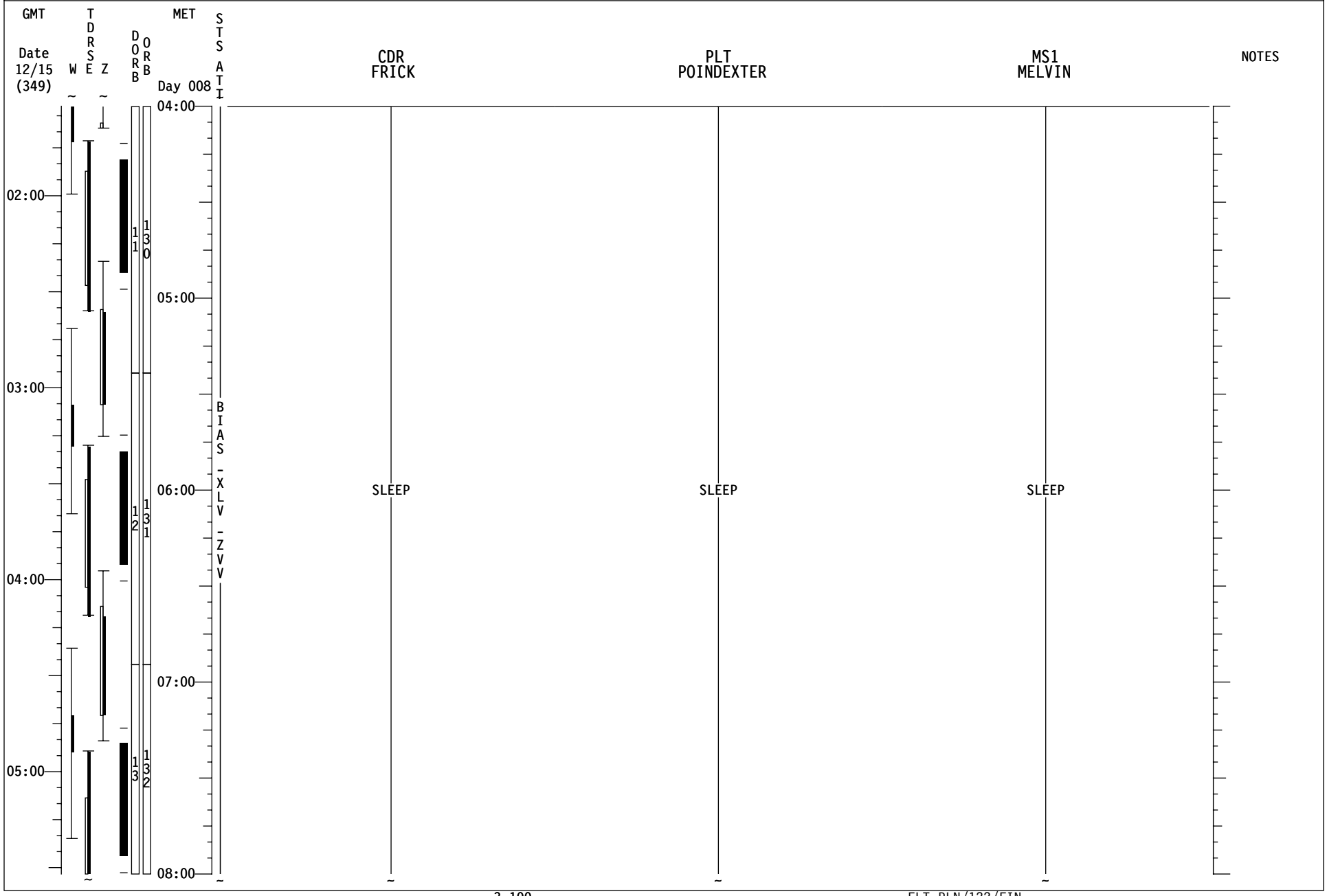
GMT	MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
00:00		A PCS ACTIVATION MO10W 14.7 CAB REG INLET SYS 1 VLV - OP Avoid WCS use during high N2 flow Expect possible "S66 CAB N2(O2) FLO 1" msgs		P/TV03 UNDOCK (PHOTO/TV, SCENES) Setup	
22:00		NOMINAL H2O CONFIG (ORB OPS, ECLS) FES PRI A Req'd	EXERCISE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		PCS ACTIVATION A JOINT OPS: 3.111 HANDOVER ATTITUDE CONTROL ORBITER to CMGTA			
01:00		PRIVATE MEDICAL CONFERENCE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
23:00				EXERCISE	
02:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
00:00					
03:00					
01:00					
04:00					

STS-122 FD (09)

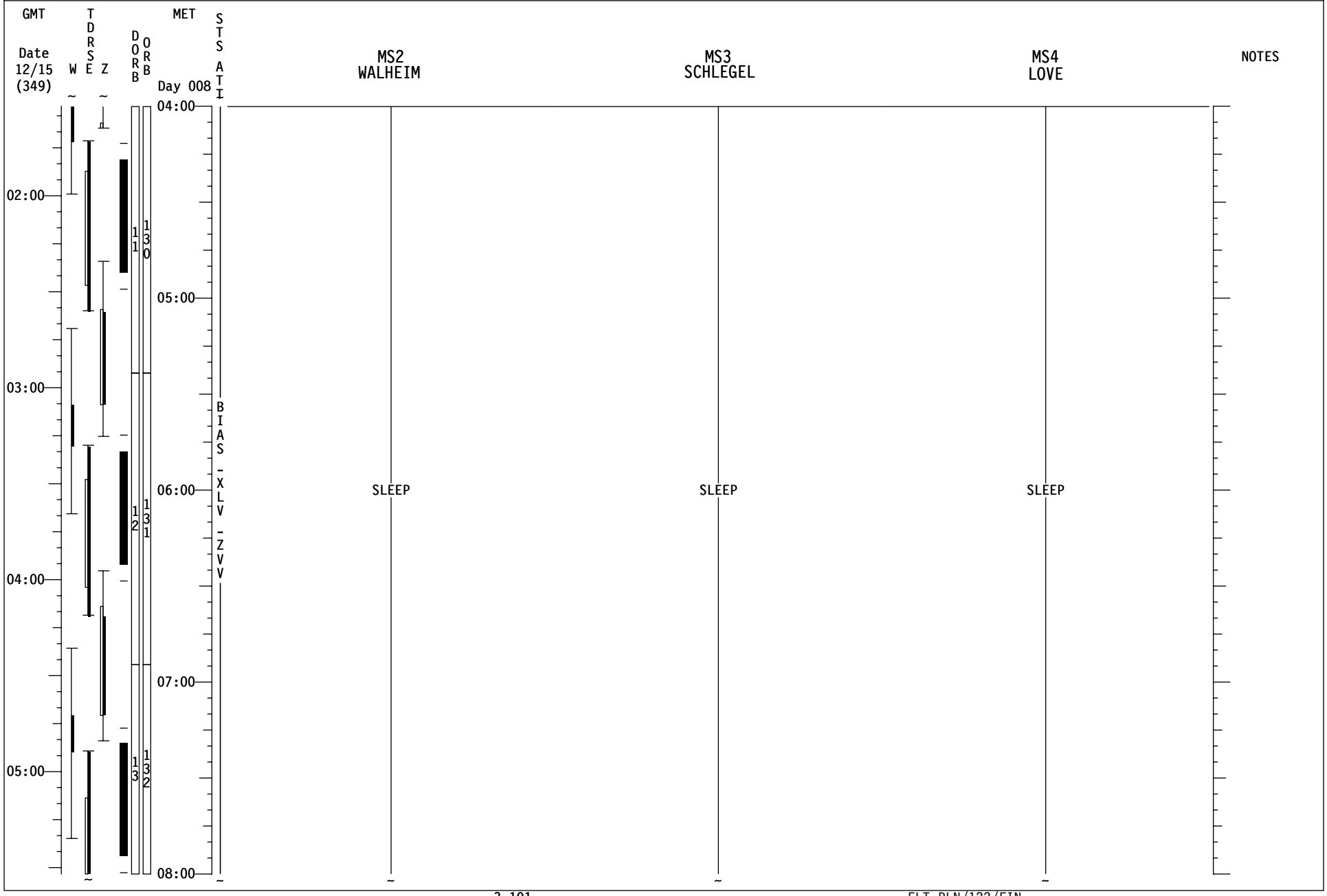
GMT Date 12/14 (348) | W | TDRS E | TDRS Z | DORB 8 | DORB 9 | DORB 10 | ORB 127 | ORB 128 | ORB 129 | MET Day 008 | STS ATI BIAS -XLV -ZVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	NOTES
C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Perform step 1 only	JOINT OPS: 4.103 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG)	JOINT OPS: 4.103 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG)	
	JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK	JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK	
EXERCISE	LBP-MUSCLE QSTION(ASSY PL, QSTION)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
	DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)	

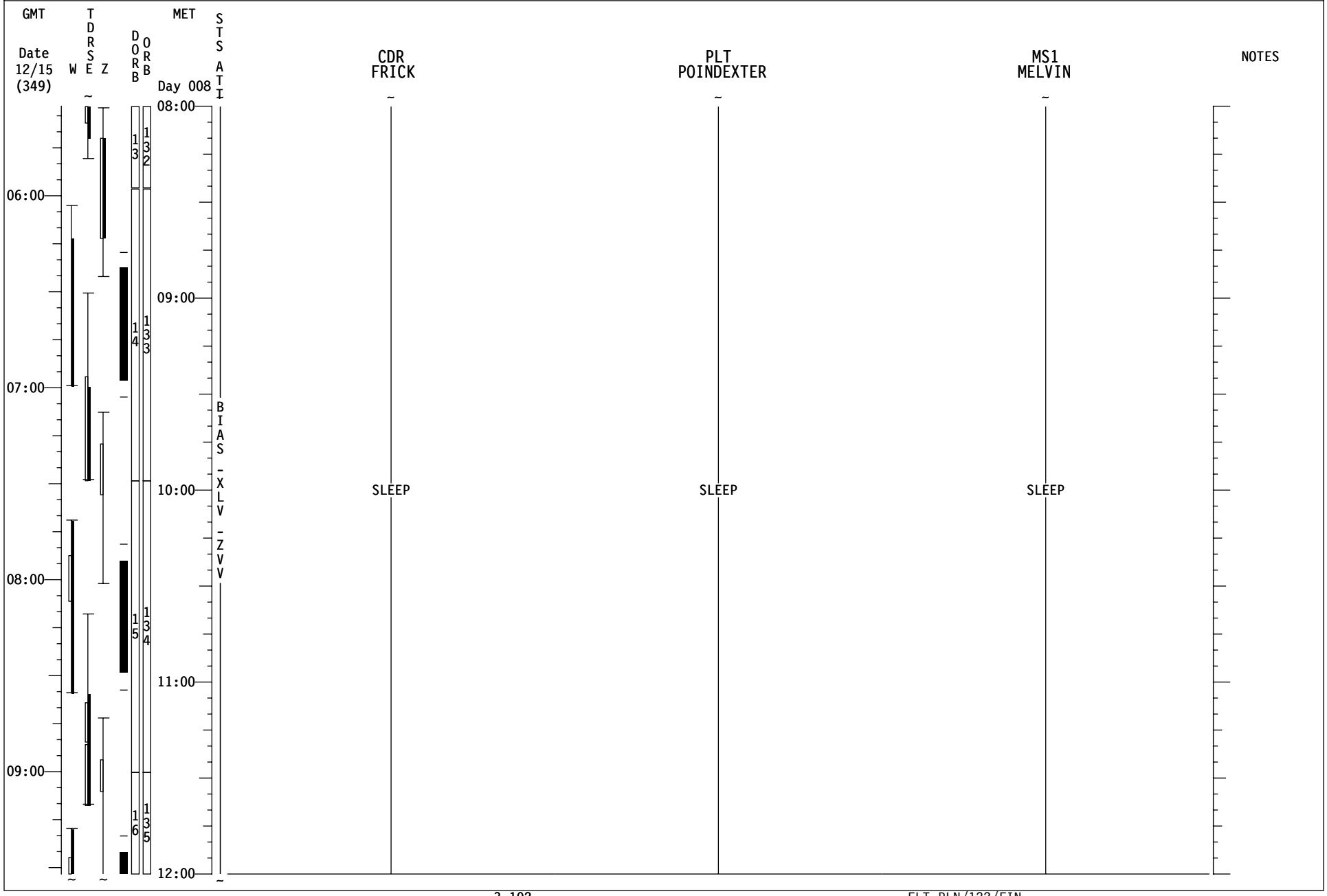
STS-122 FD (09)


GMT
Date
12/15
(349)
W
TDRSE
Z
DORB
11
12
13
ORB
130
131
132
MET
Day 008
STS
ATI
BIAS-XLV-ZVV
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
SLEEP
SLEEP
SLEEP

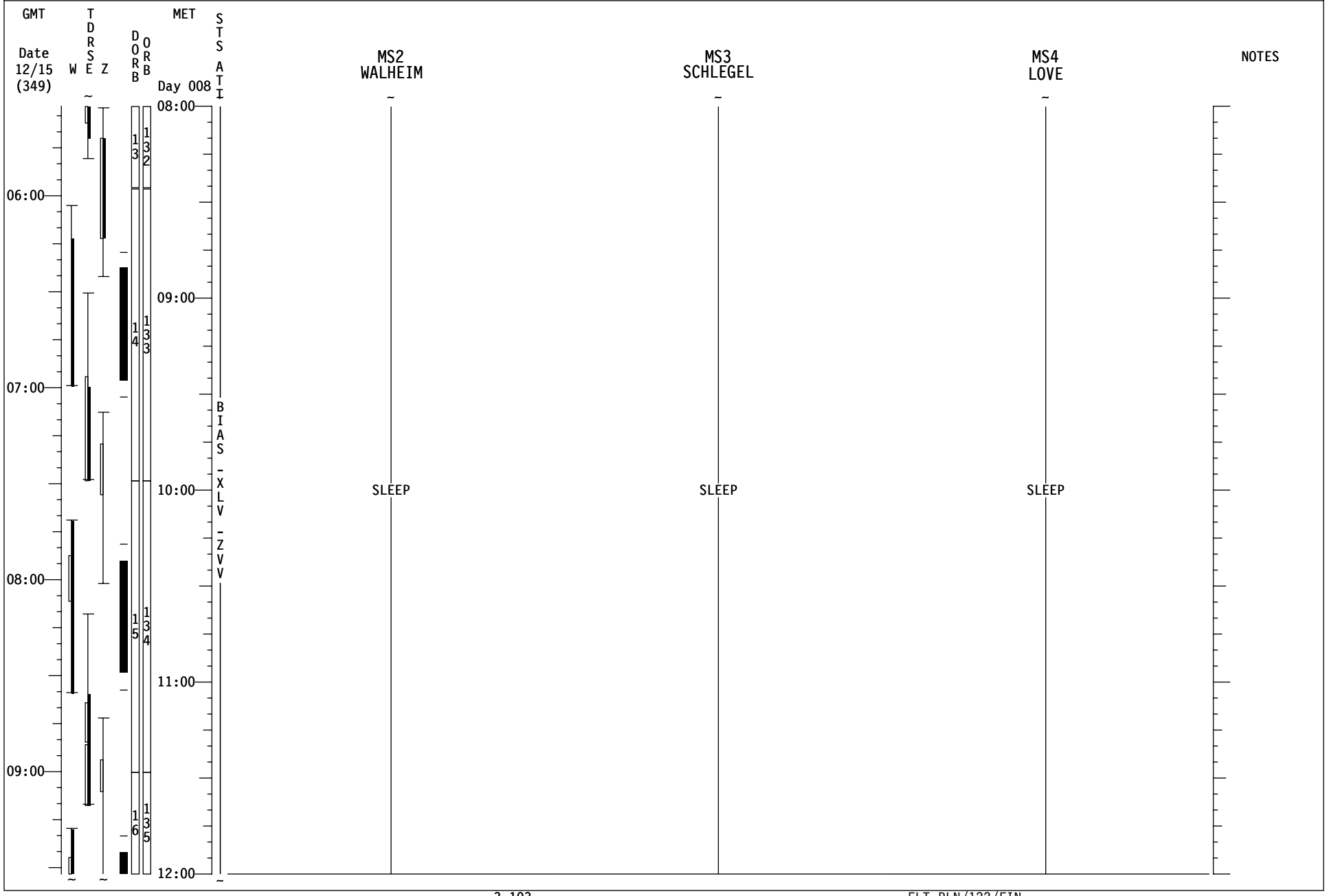
STS-122 FD (09)


GMT
Date
12/15
(349)
W
TDRSE
Z
DORB
ORB
MET
Day 008
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
11
12
13
130
131
132
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (09)


GMT
Date
12/15
(349)
W
TDRSE
Z
DORB
ORB
MET
Day 008
STS ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
13
14
15
16
132
133
134
135
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (09)


GMT
Date
12/15
(349)
W
TDRS E
Z
DORB
ORB
MET
Day 008
STS ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
13
14
15
16
132
133
134
135
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-122 FD (10)

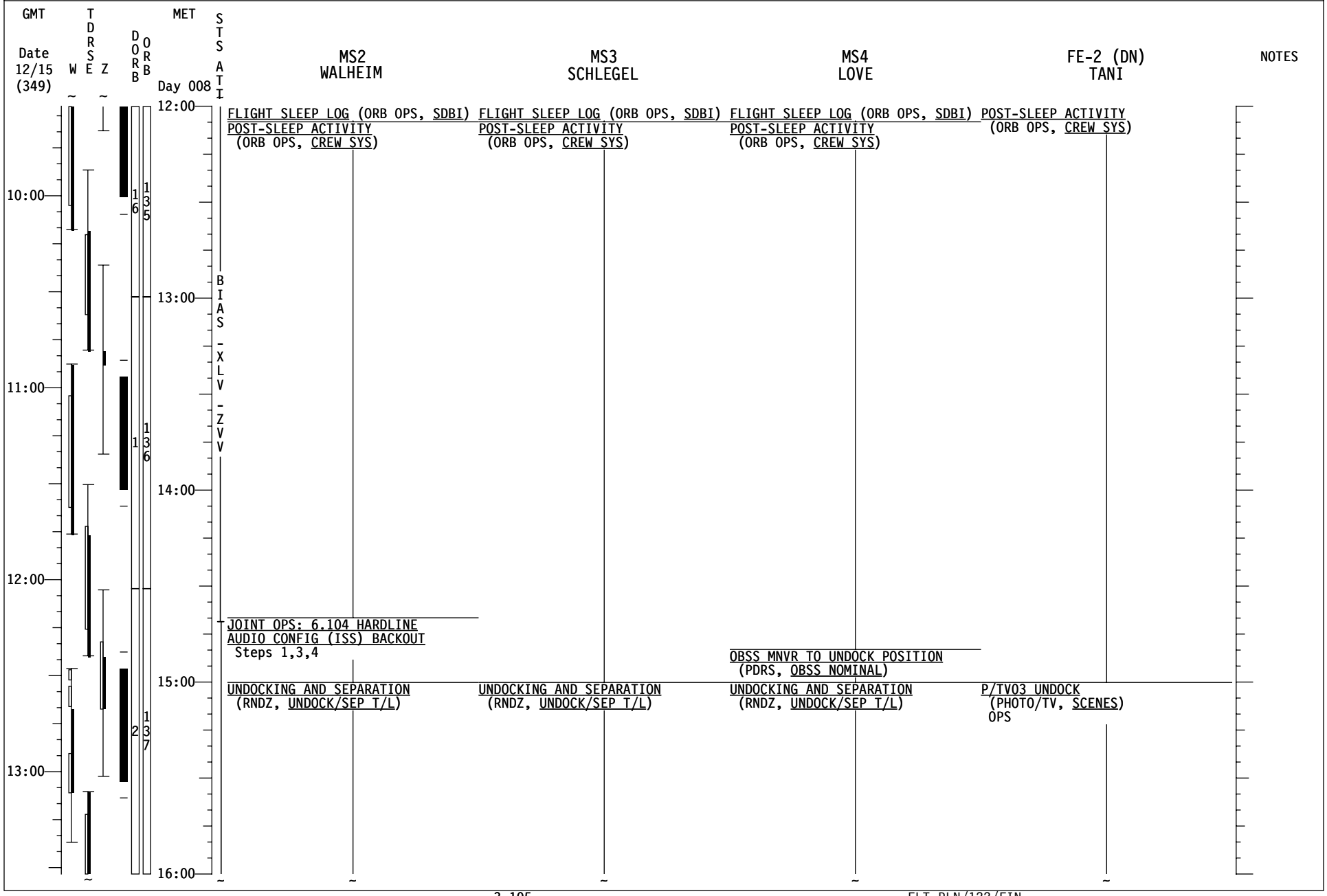
GMT Date 12/15 (349) | W | TDRS E | Z | DORB 1 6 2 | ORB 1 3 5 1 3 6 1 3 7 | MET Day 008 | STS ATI

BIAS-XLV-ZVV

GMT	MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
10:00	12:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FLIGHT SLEEP LOG (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
11:00	13:00				
12:00	14:00	O6 S TRK PWR -Z - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 & 6(Triple G2) JOINT OPS: 3.110 HANDOVER ATTITUDE CONTROL CMG TA to ORBITER MNVR (TRK) UNDOCK ATTITUDE TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN (8/14:41) Init TRK	O6 S TRK PWR -Z - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 & 6(Triple G2) IMU ALIGN - S TRK (ORB OPS, GNC) SSV OUTRATE - 3 MNVR (TRK) UNDOCK ATTITUDE TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN (8/14:41) Init TRK	OBSS MNVR TO UNDOCK POSITION (PDRS, OBSS NOMINAL)	TFL 192
13:00	15:00	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L) < UNDOCK 08/15:50	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
	16:00				

FD10 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES & WORLDMAP

STS-122 FD (10)


GMT
Date 12/15 (349)
W
TDRS E
Z
DORB
ORB
MET
Day 008
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
12:00
13:00
14:00
15:00
16:00
10:00
11:00
12:00
13:00
16
1
2
135
136
137
BIAS-XLV-ZVV
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
JOINT OPS: 6.104 HARDLINE
AUDIO CONFIG (ISS) BACKOUT
Steps 1,3,4
OBSS MNVR TO UNDOCK POSITION
(PDRS, OBSS NOMINAL)
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

STS-122 FD (10)

GMT Date 12/15 (349) | W | TDRS E | TDRS Z | DORB | ORB | MET Day 008 | STS ATI

MET	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
16:00	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	UPLINK β21 Only Box 90
14:00				
17:00	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
15:00				UPLINK β21 + Mask
	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	
	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	
18:00				
16:00	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)	
	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
20:00				

UNDOCK/FLYAROUND/SEP -ZLV +YVV

DORB: 3, 4, 5 — ORB: 138, 139, 140

STS-122 FD (10)

GMT Date 12/15 (349) | W | TDRS E | TDRS Z | DORB 3 4 5 | ORB 138 139 140 | MET Day 008 | STS ATI

MET	MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (DN) TANI	NOTES
16:00	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	P/TV03 UNDOCK (PHOTO/TV, SCENES) OPS	
	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)	FLYAROUND (RNDZ, UNDOCK/SEP T/L)		
14:00					
17:00	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)		
	SSV OUTRATE - 4	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) Undocking Video KU TDRE (17:47-18:02)	POST UNDOCK PGSC CONFIG Configure PGSCs per Usage Chart		TFL 188
18:00	SSP1 OIU PWR - OFF (tb-bp) Expect S62 BCE BYP PSP 1				
16:00	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			OBSS MNVR TO FLAT FIELD POSITION (PDRS, OBSS NOMINAL)		
	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 LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		
20:00					

UNDOCK/FLYAROUND/SEP -ZLV +YVV

STS-122 FD (10)

GMT Date 12/15 (349) | W | TDRS E | TDRS Z | DORB 5 6 7 8 | ORB 140 141 142 143 | MET Day 008 | STS ATI

CDR FRICK

20:00 — OBSS LDRI/IDC RCC SURVEY - STBD
(PDRS, OBSS OPERATIONS)

STBD SURVEY

21:00 — MNVR (TRK) BIAS +XSI (Nose Cap Survey)
TG=4 BV=5 P=330 Y=0 OM=166
A14/AUTO/VERN Init TRK

NOSE SURVEY

22:00 — In step 3 of OBSS/LDRI RCC SURVEY-POST
MNVR (TRK) BIAS -YSI (Port Survey)
TG=4 BV=5 P=0 Y=334 OM=165
A14/AUTO/VERN Init TRK
OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)

PORT SURVEY

23:00 — 00:00

PLT POINDEXTER

EXERCISE

MS1 MELVIN

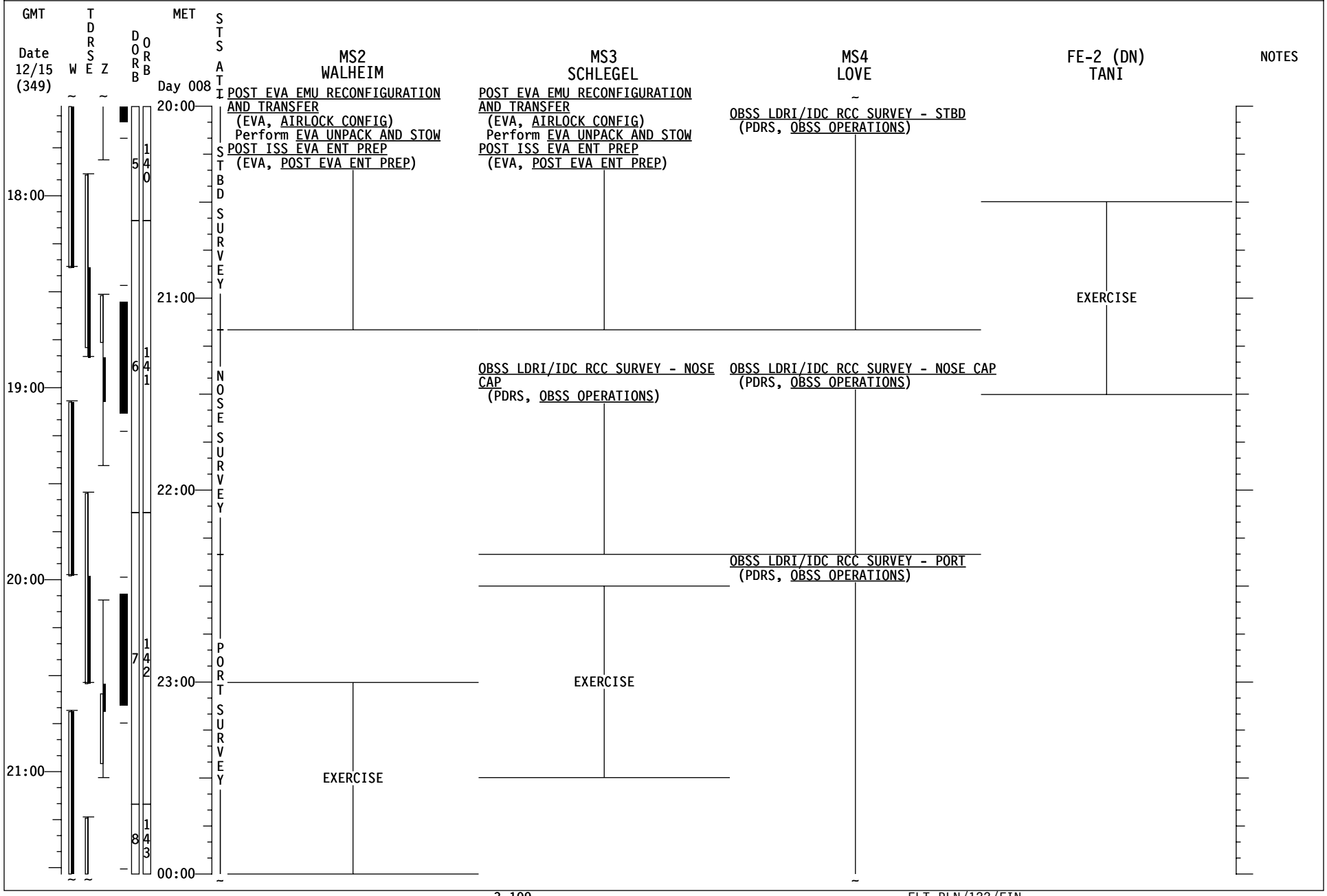
OBSS LDRI/IDC RCC SURVEY - STBD
(PDRS, OBSS OPERATIONS)

OBSS LDRI/IDC RCC SURVEY - NOSE CAP
(PDRS, OBSS OPERATIONS)

OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)

NOTES

STS-122 FD (10)


GMT
Date 12/15 (349)
W
TDRSE
Z
DORB
ORB
MET
Day 008
STS ATT
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
20:00
21:00
22:00
23:00
00:00
18:00
19:00
20:00
21:00
5
6
7
8
140
141
142
143
STBD SURVEY
NOSE SURVEY
PORT SURVEY
POST EVA EMU RECONFIGURATION AND TRANSFER
(EVA, AIRLOCK CONFIG)
Perform EVA UNPACK AND STOW
POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)
POST EVA EMU RECONFIGURATION AND TRANSFER
(EVA, AIRLOCK CONFIG)
Perform EVA UNPACK AND STOW
POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)
OBSS LDRI/IDC RCC SURVEY - STBD
(PDRS, OBSS OPERATIONS)
EXERCISE
OBSS LDRI/IDC RCC SURVEY - NOSE CAP
(PDRS, OBSS OPERATIONS)
OBSS LDRI/IDC RCC SURVEY - NOSE CAP
(PDRS, OBSS OPERATIONS)
OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)
EXERCISE
EXERCISE

STS-122 FD (10)

GMT Date 12/15 (349) | W | TDRS E | Z | DORB | ORB | MET Day 009 | STS ATT

22:00 — 23:00 — 00:00 — 01:00

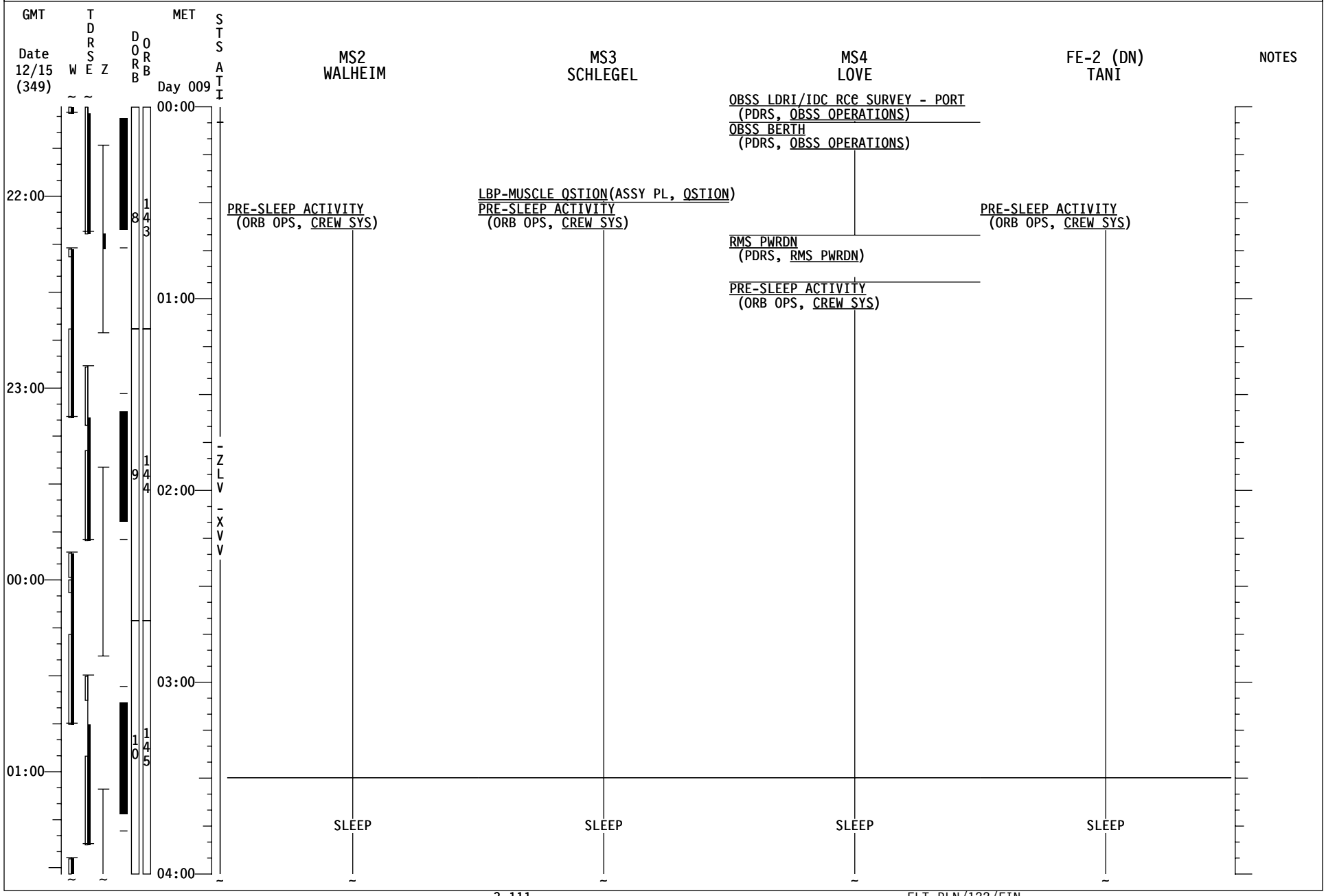
DORB: 8, 9, 10 | ORB: 143, 144, 145

STS ATT: -ZLV -XVV

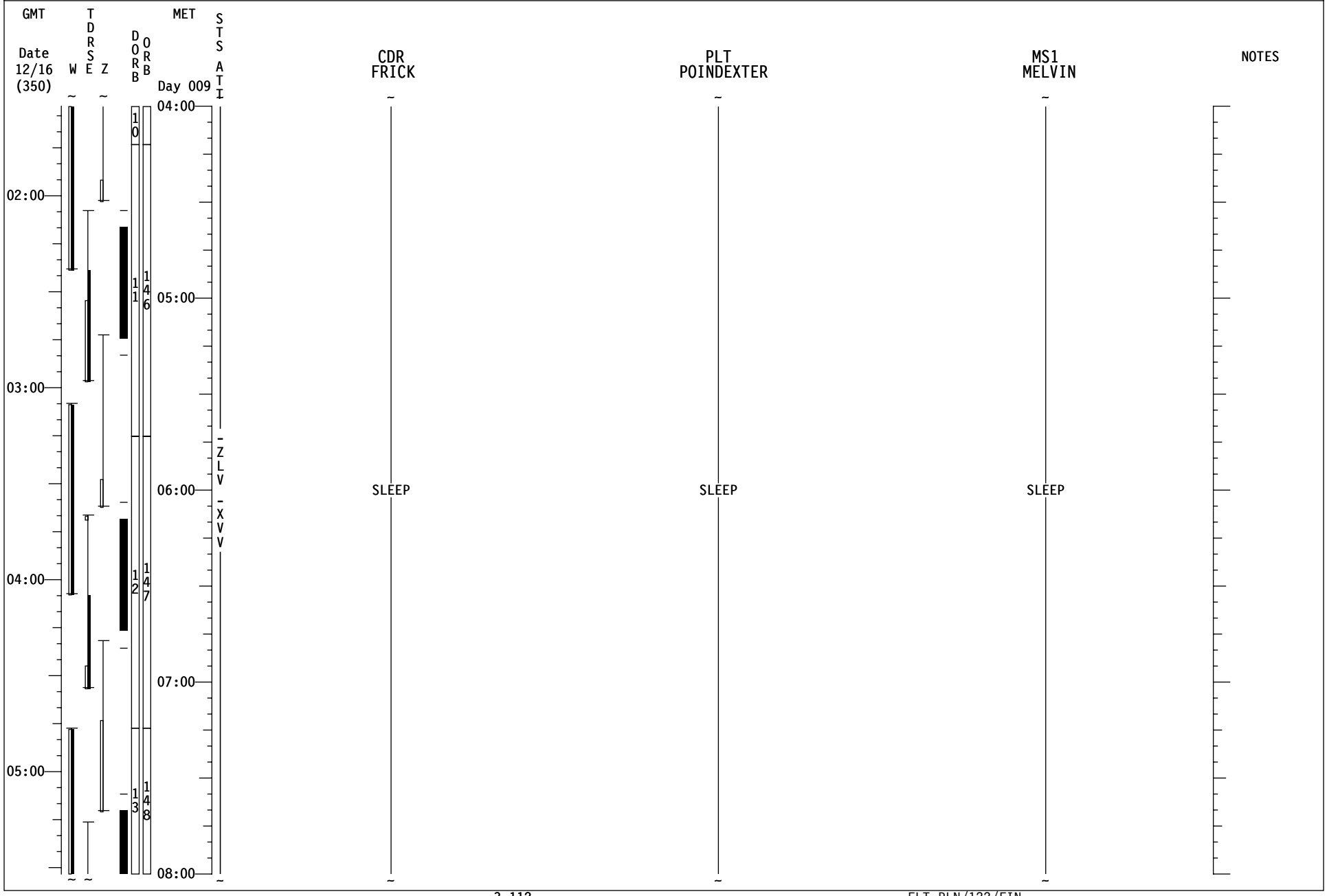
00:00 — 01:00 — 02:00 — 03:00 — 04:00

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/ALT Init TRK		OBSS BERTH (PDRS, OBSS OPERATIONS)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		RMS PWRDN (PDRS, RMS PWRDN)	
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) LDRI SURVEYS		
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
	√HUM SEP for H2O Accumulation		
PRIVATE MEDICAL CONFERENCE			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
	CDM ACTIVATION (ORB OPS, CDM DTO)		
SLEEP	SLEEP	SLEEP	

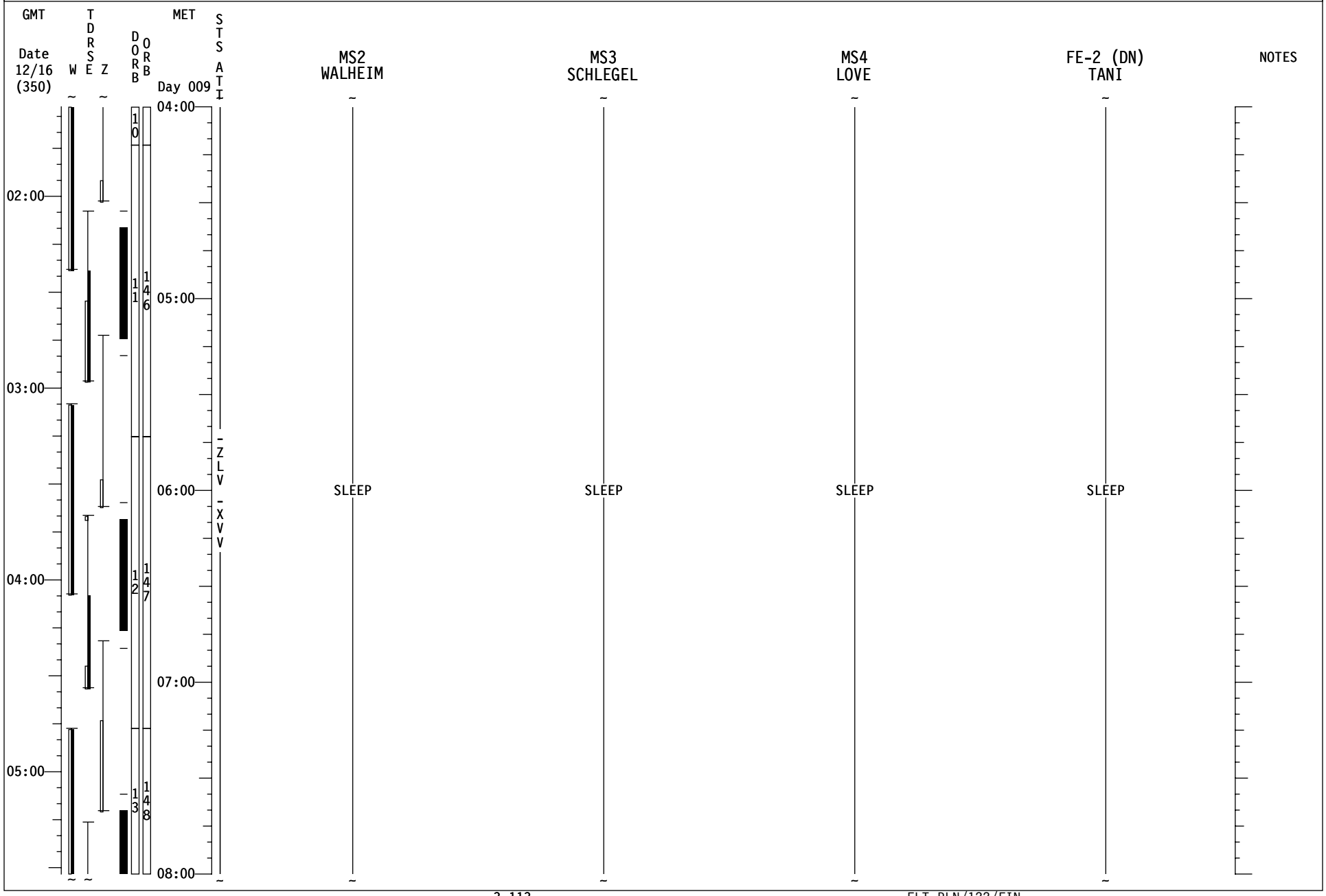
STS-122 FD (10)


GMT
Date 12/15 (349)
W
TDRS E
Z
DORB
ORB
MET
Day 009
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
00:00
22:00
23:00
00:00
01:00
01:00
02:00
03:00
04:00
8
9
10
143
144
145
-ZLV
-XVV
OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)
OBSS BERTH
(PDRS, OBSS OPERATIONS)
LBP-MUSCLE QSTION(ASSY PL, QSTION)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
RMS PWRDN
(PDRS, RMS PWRDN)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP
SLEEP

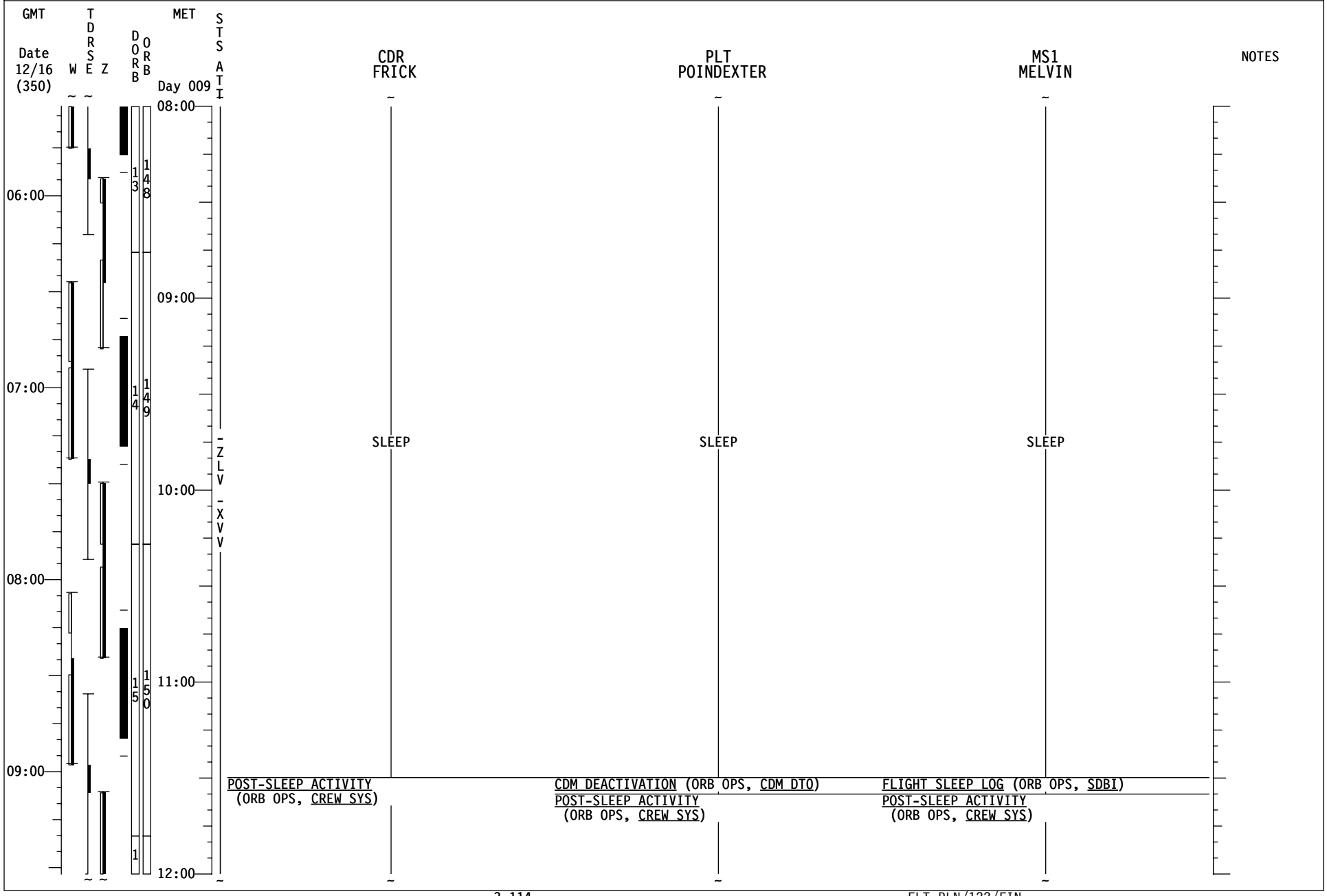
STS-122 FD (10)


GMT
Date
12/16
(350)
W
TDRSE
Z
DORB
ORB
MET
Day 009
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
10
11
12
13
146
147
148
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

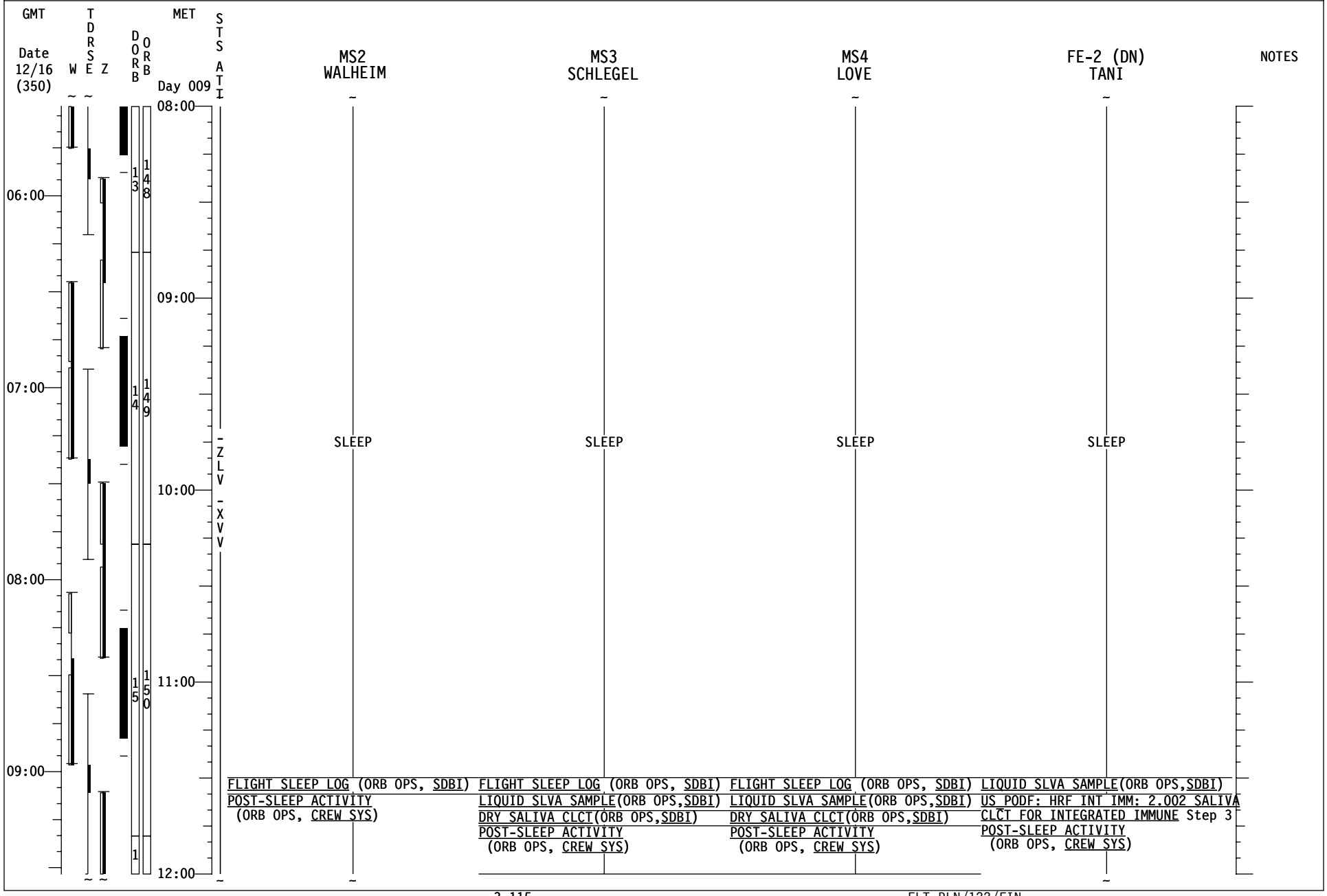
STS-122 FD (10)


GMT
Date
12/16
(350)
W
TDRSE
Z
DORB
ORB
MET
Day 009
STS
ATI
MS2
WALHEIM
MS3
SCHLEGEL
MS4
LOVE
FE-2 (DN)
TANI
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
10
11
12
13
146
147
148
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP

STS-122 FD (10)


GMT
Date
12/16
(350)
W
TDRSS
Z
DORB
ORB
MET
Day 009
STS
ATI
08:00
06:00
09:00
07:00
10:00
08:00
11:00
09:00
12:00
13
14
15
1
148
149
150
-ZLV
-XVV
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
SLEEP
SLEEP
SLEEP
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
CDM DEACTIVATION (ORB OPS, CDM DTO)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-122 FD (10)


GMT
Date 12/16 (350)
W
T D R S E
Z
D O R B
O R B
MET
Day 009
S T S A T I
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
06:00
07:00
08:00
09:00
08:00
09:00
10:00
11:00
12:00
13
14
15
1
148
149
150
-ZLV-XVV
SLEEP
SLEEP
SLEEP
SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
LIQUID SLVA SAMPLE(ORB OPS,SDBI)
US PODF: HRF INT IMM: 2.002 SALIVA CLCT FOR INTEGRATED IMMUNE Step 3
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (11)

GMT Date 12/16 (350) | W | TDRS E | Z | DORB 1 2 3 | ORB 151 152 153 | MET Day 009 | STS ATI -ZLV -XVV

CDR FRICK

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FD11 EZ ACTIVITIES:
OCAC FILTER INSPECTION
HARD REBOOT ALL PGSCs EXCEPT:
WLES & WORLDMAP

CABIN CONFIG/STOW

IMU ALIGN - S TRK (ORB OPS, GNC)
FCS CHECKOUT (ORB OPS, GNC)

PLT POINDEXTER

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FD11 CABIN STOW ACTIVITIES:
Remove loose items stored in A/L
Perform SEAT INSTALLATION
Perform FLIGHTS WITH RETENTION NET (REF DATA, ENTRY STOW)

W/B STEAM VENT HTR ACT
R2 √BLR CNTLR/HTR(three) -B
PWR (three) -ON
CDM COMPLETION (ORB OPS, CDM DTO)

CABIN CONFIG/STOW

FCS CHECKOUT (ORB OPS, GNC)

MS1 MELVIN

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI)
Perform SETUP FOR BLOOD SAMPLE CLCT

SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI)
Perform BLOOD SAMPLE COLLECTION (OPR)

US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION
Perform Step 2, BLOOD DRAW (OPR)

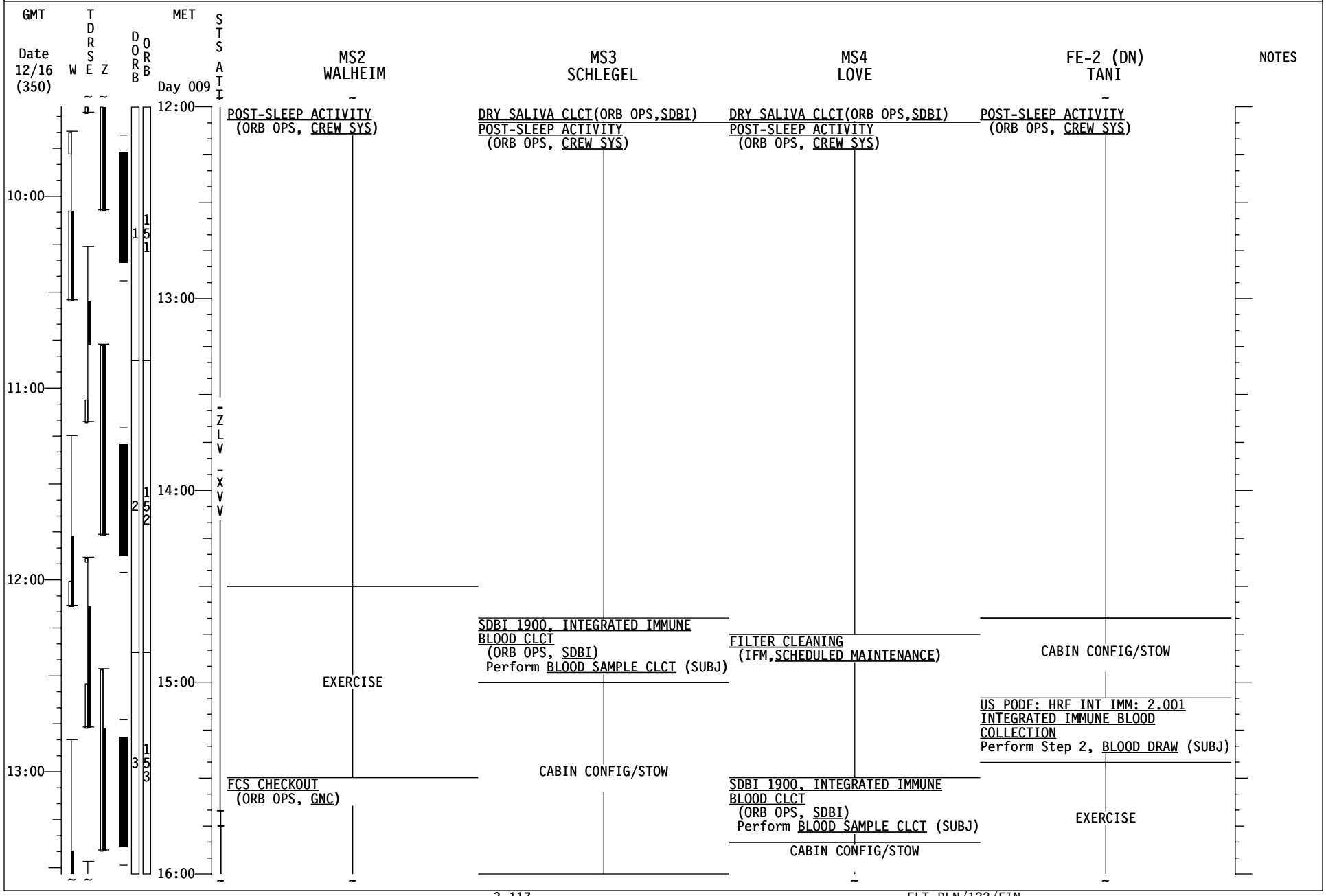
SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI)
Perform BLOOD SAMPLE COLLECTION (OPR)

SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI)Perform STOW HARDWARE

NOTES

TFL 161

STS-122 FD (11)


GMT
Date 12/16 (350)
W
TDRS E
Z
DORB 1
DORB 2
DORB 3
ORB 151
ORB 152
ORB 153
MET
Day 009
STS ATI
-ZLV
-XVV
10:00
11:00
12:00
13:00
12:00
13:00
14:00
15:00
16:00
MS2 WALHEIM
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
EXERCISE
FCS CHECKOUT (ORB OPS, GNC)
MS3 SCHLEGEL
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI) Perform BLOOD SAMPLE CLCT (SUBJ)
CABIN CONFIG/STOW
MS4 LOVE
DRY SALIVA CLCT(ORB OPS,SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FILTER CLEANING (IFM,SCHEDULED MAINTENANCE)
SDBI 1900, INTEGRATED IMMUNE BLOOD CLCT (ORB OPS, SDBI) Perform BLOOD SAMPLE CLCT (SUBJ)
CABIN CONFIG/STOW
FE-2 (DN) TANI
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
CABIN CONFIG/STOW
US PODF: HRF INT IMM: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2, BLOOD DRAW (SUBJ)
EXERCISE
NOTES

STS-122 FD (11)

GMT Date 12/16 (350) | W | TDRS E | TDRS Z | DORB | ORB | MET Day 009 | STS ATT

	CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
16:00	FCS CHECKOUT (ORB OPS, GNC)	FCS CHECKOUT (ORB OPS, GNC)	CABIN CONFIG/STOW	
14:00				
	RCS HOT FIRE TEST (ORB OPS, RCS)	RCS HOT FIRE TEST (ORB OPS, RCS)		
17:00	PILOT WITH RHC (ORB OPS, PGSC)	PILOT WITH RHC (ORB OPS, PGSC)	EXERCISE	TFL 188
15:00			CABIN CONFIG/STOW	
			ANALOG PAO CC (PHOTO/TV, SONY PD100)	
18:00	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	
16:00	DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	
19:00	CABIN CONFIG/STOW	ENTRY VIDEO SETUP (PHOTO/TV, MINI-CAM)	CABIN CONFIG/STOW	
17:00	MNVR (TRK) -ZLV -YVV (Water Dump) TG=2 BV=3 OM=70 A6/AUTO/ALT Init TRK		LANDING-1 COMM C/O (ORB OPS, COMM/INST) MLA AOS: 19:31:23 LOS: 19:37:25	
	CWC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Dump	EXERCISE		
20:00	MEAL		MEAL	

STS-122 FD (11)

GMT Date 12/16 (350) | W | TDRS E | TDRS Z | DORB 3 | DORB 4 | DORB 5 | DORB 6 | ORB 153 | ORB 154 | ORB 155 | ORB 156 | MET Day 009 | STS ATI -ZLV -XVV -ZLV -XVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (DN) TANI	NOTES
FCS CHECKOUT (ORB OPS, GNC)	EXERCISE	CABIN CONFIG/STOW	EXERCISE	
RCS HOT FIRE TEST (ORB OPS, RCS)		DEACTIVATION & TEARDOWN (ORB OPS, WLE SENSORS) Deactivate Backup WLES PGSC		
PILOT WITH RHC (ORB OPS, PGSC)	DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)	CABIN CONFIG/STOW	
	CABIN CONFIG/STOW	EXERCISE		
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	PUBLIC AFFAIRS EVENT KU AVAIL: 17:57-18:25	
DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	DEORBIT BRIEFING	
MEAL	MEAL	MEAL	MEAL	
CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	

STS-122 FD (11)

GMT Date 12/16 (350) | W | TDRSE | Z | DORB | ORB | MET Day 009 | STS ATI

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

20:00

MEAL

EXERCISE

MEAL

18:00

6 156

MEAL

COMM STRING 1 C/O (PART B)
(ORB OPS, COMM/INST)

CWC OVERBOARD DUMP
(ORB OPS, ECLS)
Perform DUMP TERMINATION

SSV DEACTIVATION
(PHOTO/TV, SSV)

21:00

CWC OVERBOARD DUMP
(ORB OPS, ECLS)
Initiate Dump

SUPPLY H2O DUMP USING FES (ORB OPS)Step 1 using FES Pri A

-ZLV -YVV

PWR DUMP - SUPPLY LINE
(ORB OPS, ECLS)
Dump SN TBS (Barcode #TBS)
Dump dur. ~xx min

19:00

7 157

CABIN CONFIG/STOW

EXERCISE

22:00

CABIN CONFIG/STOW

CWC OVERBOARD DUMP
(ORB OPS, ECLS)
Perform DUMP TERMINATION

20:00

LANDING-1 COMM C/O
(ORB OPS, COMM/INST)
DFR AOS: 22:33:11 LOS: 22:42:40

CABIN CONFIG/STOW

C3 MASTER MADS POWER - ON
A6L MADS STRAIN GAGE - ON

ON-ORBIT OMS BURN
(ORB OPS, OMS)

ON-ORBIT OMS BURN
(ORB OPS, OMS)

23:00

CABIN CONFIG/STOW

UPDATE ORBITAL MNVR PAD

OA

8 158

< OA TIG (09/23:17)

< OA TIG (09/23:17)

KU-BD ANT STOW
(ORB OPS, COMM/INST)

21:00

MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A6/AUTO/ALT Init TRK

SUPPLY WATER DUMP USING FES (ORB OPS, ECLS)
On MCC GO: Step 2, FES Pri A Req'd

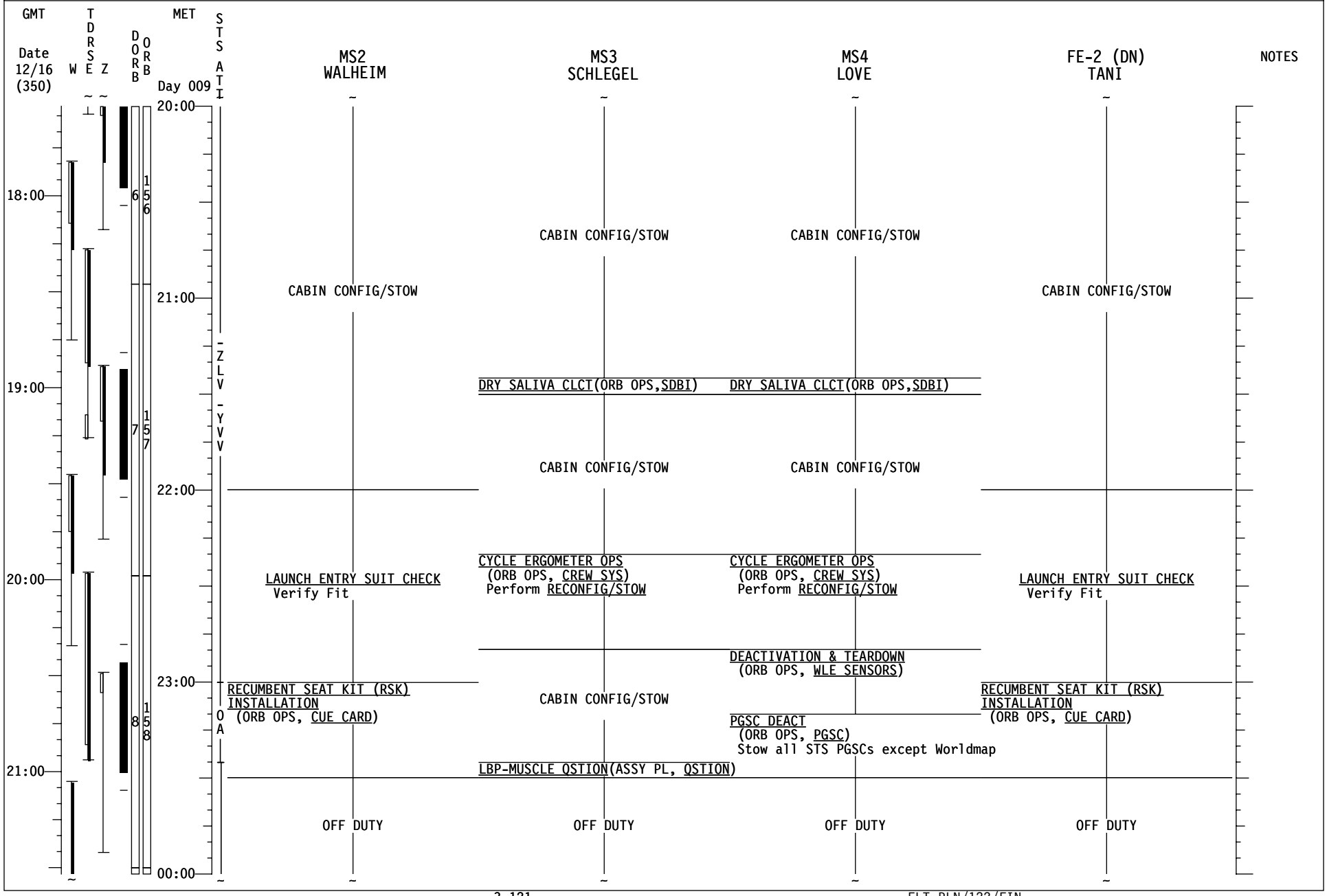
OFF DUTY

OFF DUTY

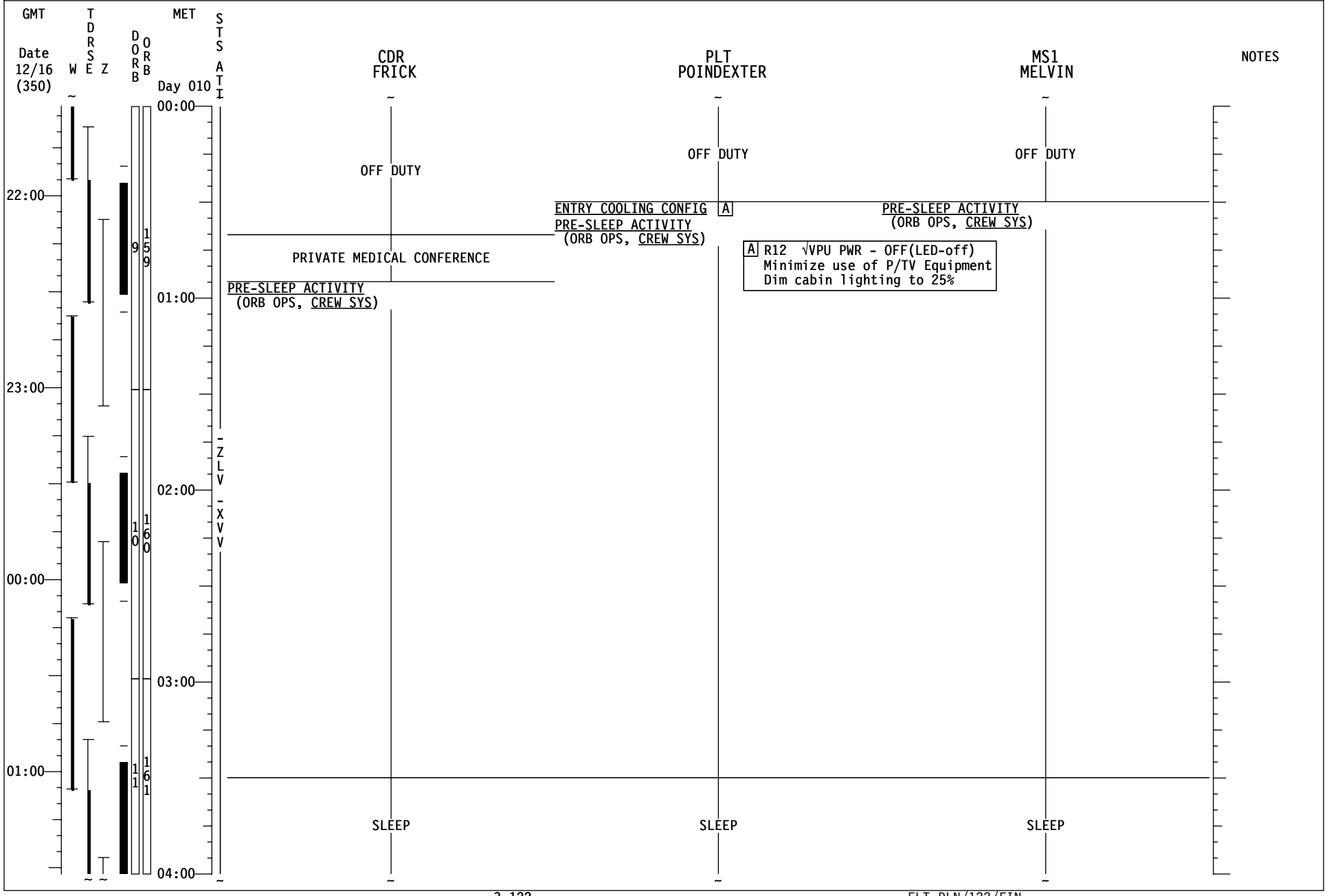
OFF DUTY

00:00

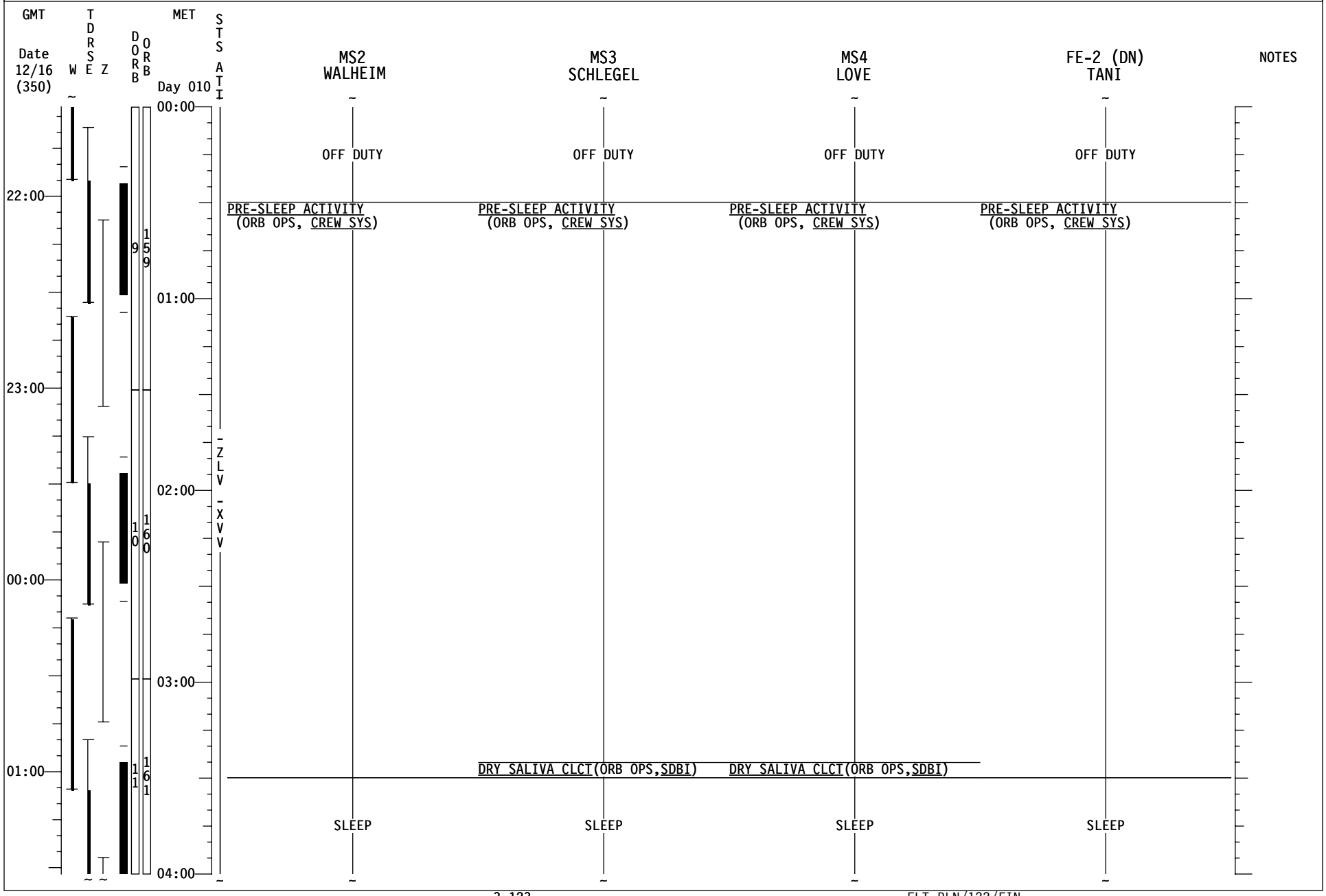
STS-122 FD (11)


GMT
Date 12/16 (350)
W
TDRS E
Z
DORB
ORB
MET
Day 009
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
18:00
19:00
20:00
21:00
20:00
21:00
22:00
23:00
00:00
6
7
8
156
157
158
-ZLV
-YVV
OA
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CABIN CONFIG/STOW
DRY SALIVA CLCT(ORB OPS,SDBI)
DRY SALIVA CLCT(ORB OPS,SDBI)
CABIN CONFIG/STOW
CABIN CONFIG/STOW
CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW
CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW
LAUNCH ENTRY SUIT CHECK
Verify Fit
LAUNCH ENTRY SUIT CHECK
Verify Fit
DEACTIVATION & TEARDOWN
(ORB OPS, WLE SENSORS)
RECUMBENT SEAT KIT (RSK)
INSTALLATION
(ORB OPS, CUE CARD)
RECUMBENT SEAT KIT (RSK)
INSTALLATION
(ORB OPS, CUE CARD)
CABIN CONFIG/STOW
PGSC DEACT
(ORB OPS, PGSC)
Stow all STS PGSCs except Worldmap
LBP-MUSCLE QSTION(ASSY PL, QSTION)
OFF DUTY
OFF DUTY
OFF DUTY
OFF DUTY

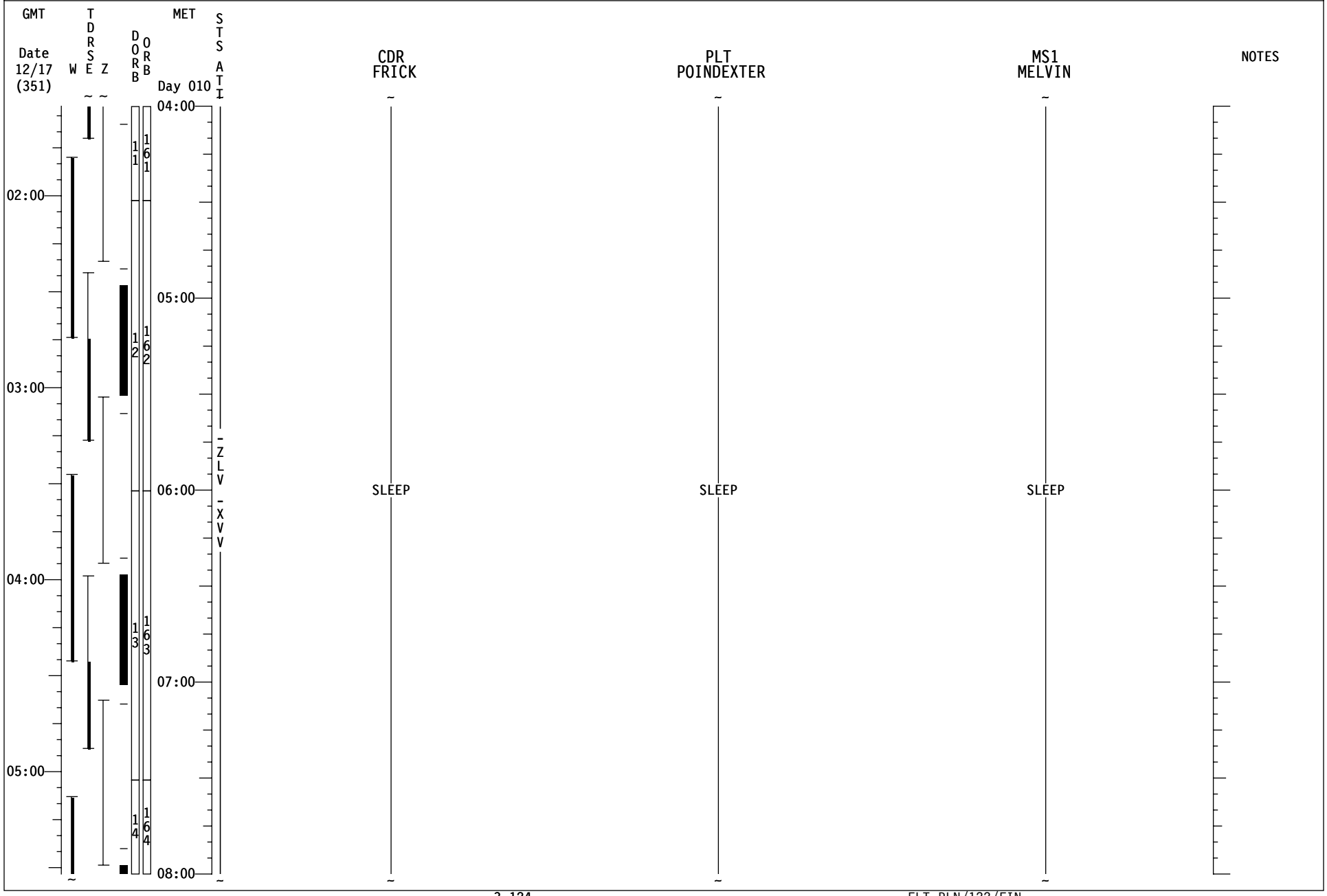
STS-122 FD (11)


GMT
Date 12/16 (350)
W
TDRSE
Z
DORB
ORB
MET
Day 010
STS ATI
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
00:00
01:00
02:00
03:00
04:00
22:00
23:00
00:00
01:00
OFF DUTY
OFF DUTY
OFF DUTY
ENTRY COOLING CONFIG
A
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRIVATE MEDICAL CONFERENCE
A R12 √VPU PWR - OFF(LED-off)
Minimize use of P/TV Equipment
Dim cabin lighting to 25%
9
10
11
159
160
161
-ZLV-XVV
SLEEP
SLEEP
SLEEP

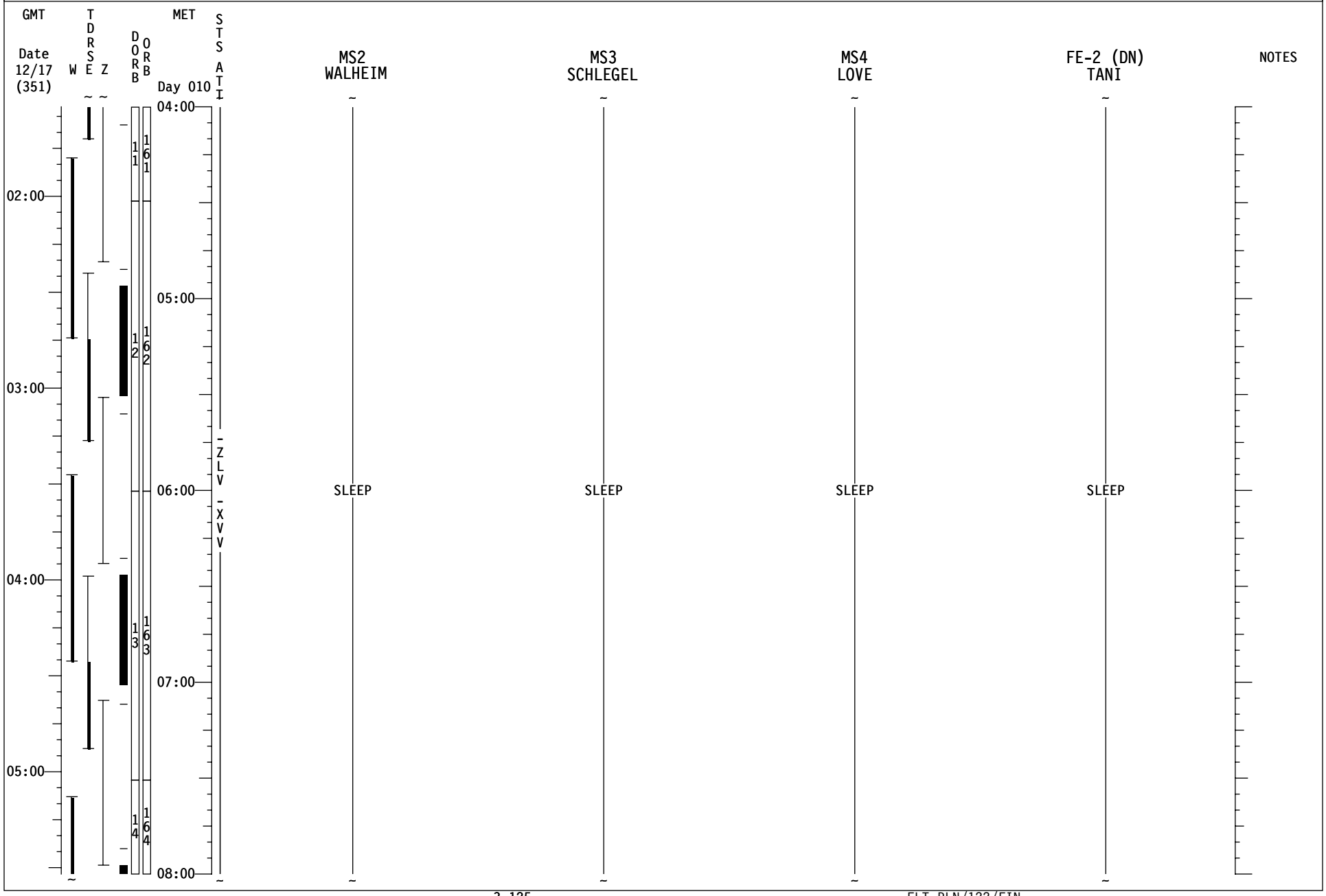
STS-122 FD (11)


GMT
Date 12/16 (350)
W
TDRS E
Z
DORB
ORB
MET
Day 010
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
00:00
01:00
02:00
03:00
04:00
22:00
23:00
00:00
01:00
9
10
11
159
160
161
-ZLV-XVV
OFF DUTY
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
DRY SALIVA CLCT(ORB OPS,SDBI)
SLEEP

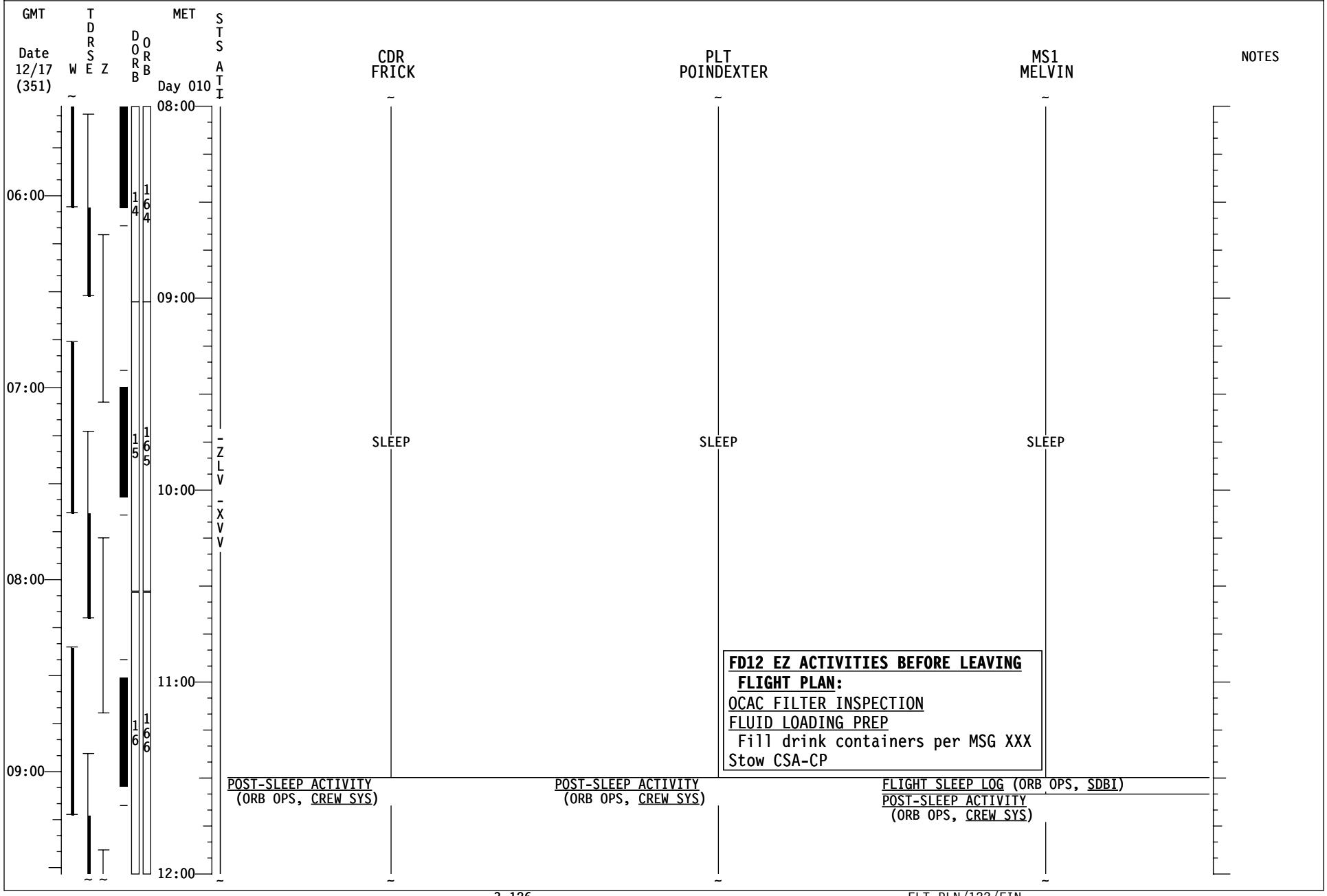
STS-122 FD (11)


GMT
Date
12/17
(351)
W
TDRSE
Z
DORB
ORB
MET
Day 010
STS
ATI
CDR
FRICK
PLT
POINDEXTER
MS1
MELVIN
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
11
12
13
14
161
162
163
164
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

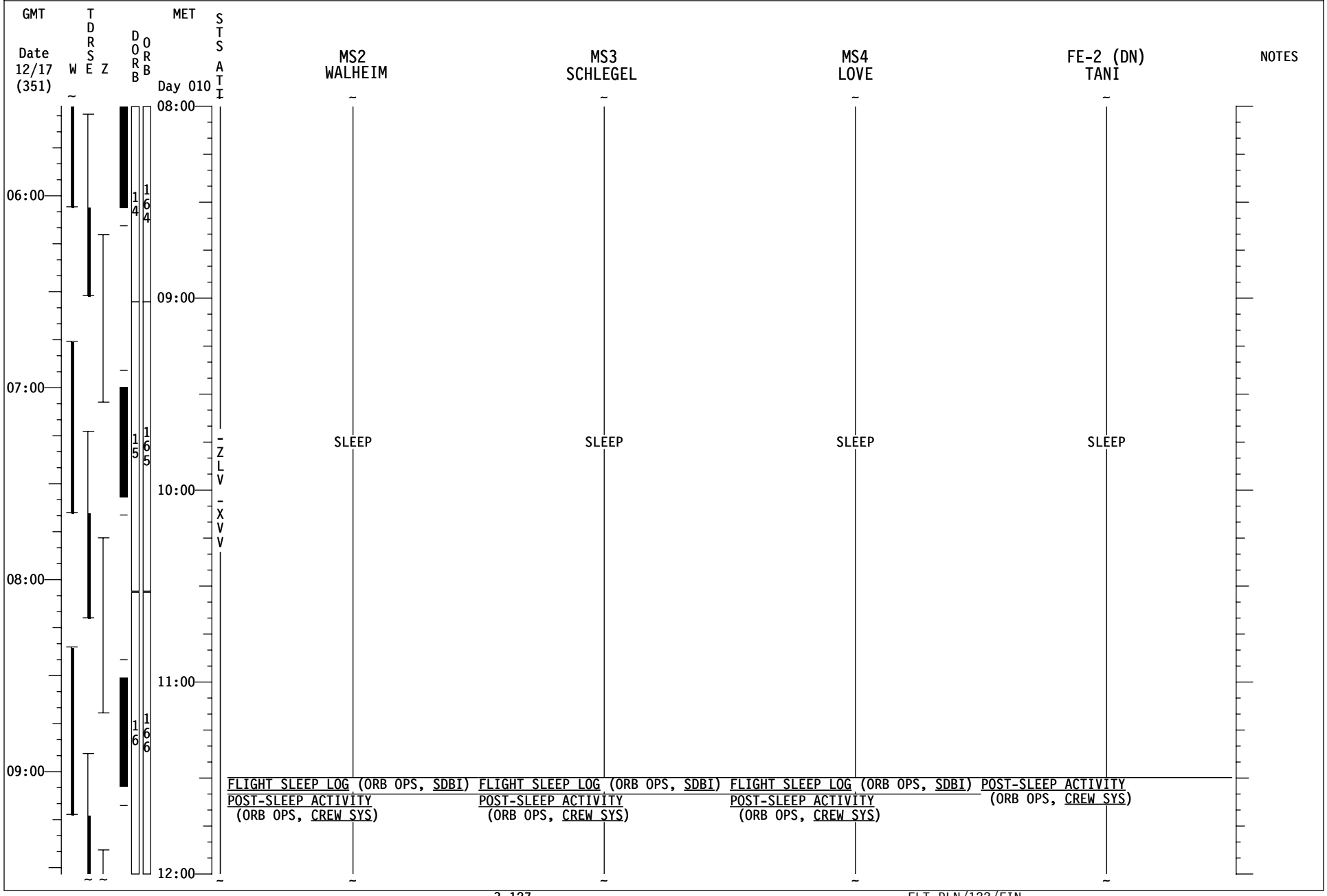
STS-122 FD (11)


GMT
Date 12/17 (351)
W
TDRSE
Z
DORB
ORB
MET
Day 010
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
02:00
03:00
04:00
05:00
04:00
05:00
06:00
07:00
08:00
11
12
13
14
161
162
163
164
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP

STS-122 FD (11)


GMT
Date 12/17 (351)
W
TDRS E
Z
DORB
ORB
MET
Day 010
STS ATI
08:00
06:00
09:00
07:00
10:00
08:00
11:00
09:00
12:00
14
15
16
164
165
166
-ZLV
-XVV
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
SLEEP
SLEEP
SLEEP
FD12 EZ ACTIVITIES BEFORE LEAVING FLIGHT PLAN:
OCAC FILTER INSPECTION
FLUID LOADING PREP
Fill drink containers per MSG XXX
Stow CSA-CP
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (11)


GMT
Date 12/17 (351)
W
T D R S E
Z
D O R B
O R B
MET
Day 010
S T S A T I
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
08:00
06:00
09:00
07:00
10:00
08:00
11:00
09:00
12:00
14
164
15
165
16
166
-ZLV-XVV
SLEEP
SLEEP
SLEEP
SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-122 FD (12)

GMT Date 12/17 (351) | W | TDRS E | Z | DORB 1 2 3 | ORB 167 168 169 | MET Day 010 | STS ATI

CDR FRICK

- 12:00 POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- -ZLV
- -XVV
- A6L MADS STRAIN GAGE - PCM ENA
- PRIVATE MEDICAL CONFERENCE
- PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12,9,7,6(Dual G2),5
- 14:00 MNVR IMU STAR ALIGN ATT [A] (pg 3-130) A1/AUTO/VERN Init MNVR (10/14:14)
- IMU ALIGN - S TRK (ORB OPS, GNC)
- MNVR IMU VERIF ATT [B] (pg 3-130) A1/AUTO/VERN Init MNVR
- IMU ALIGN - S TRK (ORB OPS, GNC)
- MNVR (TRK) -XSI ATT TG=4 BV=5 P=184 Y=0 OM=90 A1/AUTO/VERN Init TRK
- 15:00 -XSI
- 16:00

PLT POINDEXTER

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12,9,7,6(Dual G2),5
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

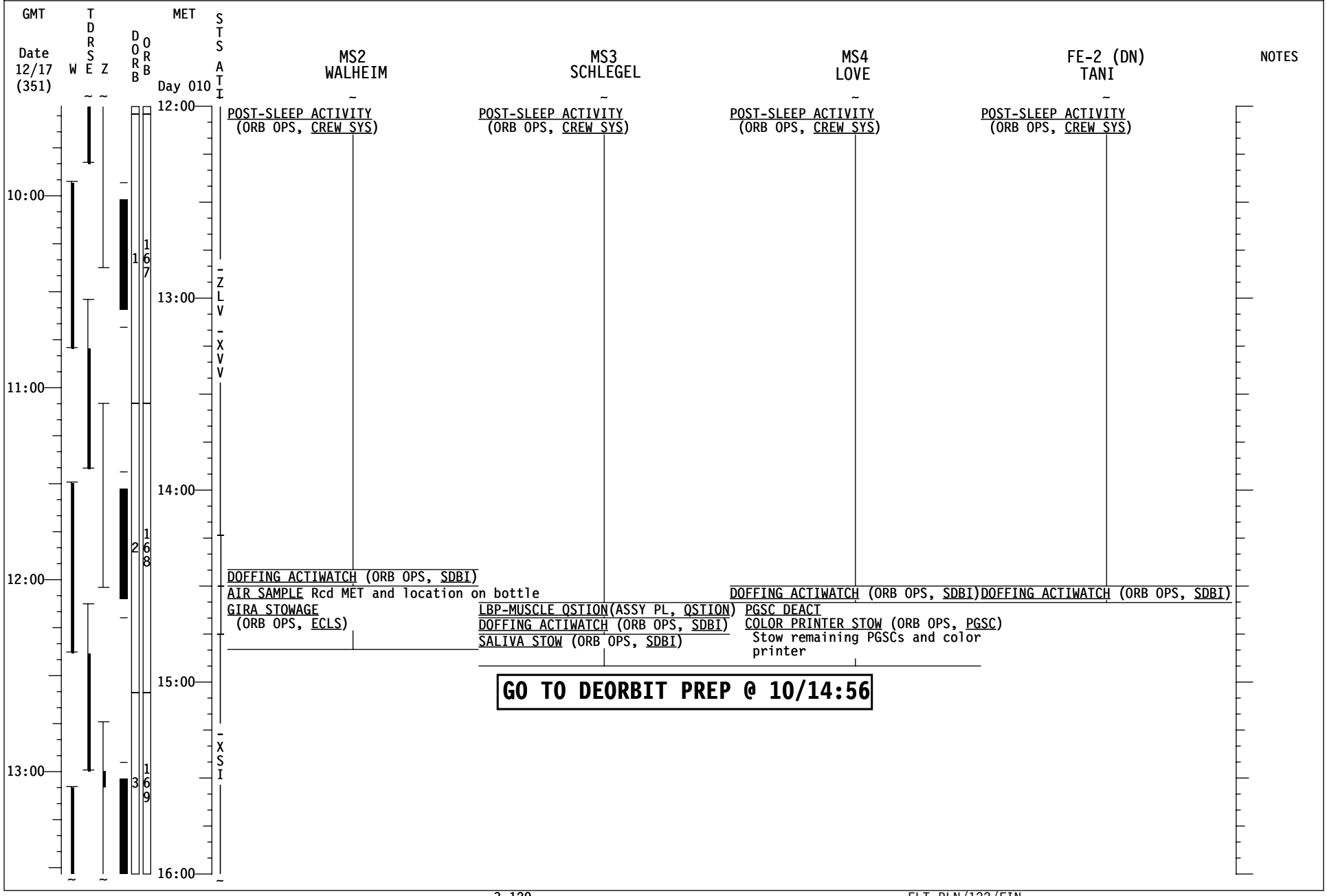
MS1 MELVIN

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- DOFFING ACTIWATCH (ORB OPS, SDBI)
- OCAC STOWAGE (ORB OPS, CREW SYS)

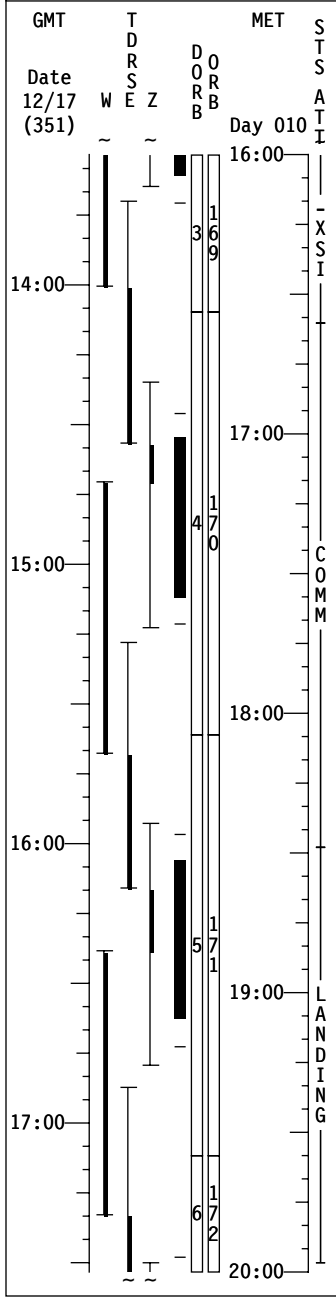
GO TO DEORBIT PREP @ 10/14:56

NOTES

STS-122 FD (12)


GMT
Date 12/17 (351)
W
TDRS E
Z
DORB 1 2 3
ORB 167 168 169
MET
Day 010
STS ATI
-ZLV
-XVV
-XSI
12:00
13:00
14:00
15:00
16:00
10:00
11:00
12:00
13:00
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
DOFFING ACTIWATCH (ORB OPS, SDBI)
AIR SAMPLE Rcd MET and location on bottle
GIRA STOWAGE (ORB OPS, ECLS)
LBP-MUSCLE QSTION(ASSY PL, QSTION)
DOFFING ACTIWATCH (ORB OPS, SDBI)
SALIVA STOW (ORB OPS, SDBI)
DOFFING ACTIWATCH (ORB OPS, SDBI)
PGSC DEACT
COLOR PRINTER STOW (ORB OPS, PGSC)
Stow remaining PGSCs and color printer
DOFFING ACTIWATCH (ORB OPS, SDBI)
GO TO DEORBIT PREP @ 10/14:56

STS-122 FD (12)



CDR
FRICK

PLT
POINDEXTER

MS1
MELVIN

NOTES

A IMU STAR ALIGN PAD

ID: -Y: 47, GIENAH
MET (10/14:24 TO 10/15:12)

ID: -Z: 81, PHACT
MET (10/14:03 TO 10/14:51)

ANG DIFF: 87.4

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z: 47 -Y: 81	
R	93	R 0	173
P	83	P 73	70
Y	328	Y 315	337

REQD ID:

-Y: ____, -Z: ____, ANG ERR ____,____ ____

ANG:	1	2	3
ΔX	( )__,__ __	( )__,__ __	( )__,__ __
ΔY	( )__,__ __	( )__,__ __	( )__,__ __
ΔZ	( )__,__ __	( )__,__ __	( )__,__ __

EXECUTION TIME: ___/___:___:___ MET

B IMU VERIFICATION STAR ALIGN PAD

ID: -Y: 78, GAMMA LUPI
MET (10/14:28 TO 10/15:16)

ID: -Z: 87, ZOZCA
MET (10/14:22 TO 10/15:14)

ANG DIFF: 86.3

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z: 78 -Y: 87	
R	15	R 302	95
P	105	P 85	114
Y	40	Y 43	54

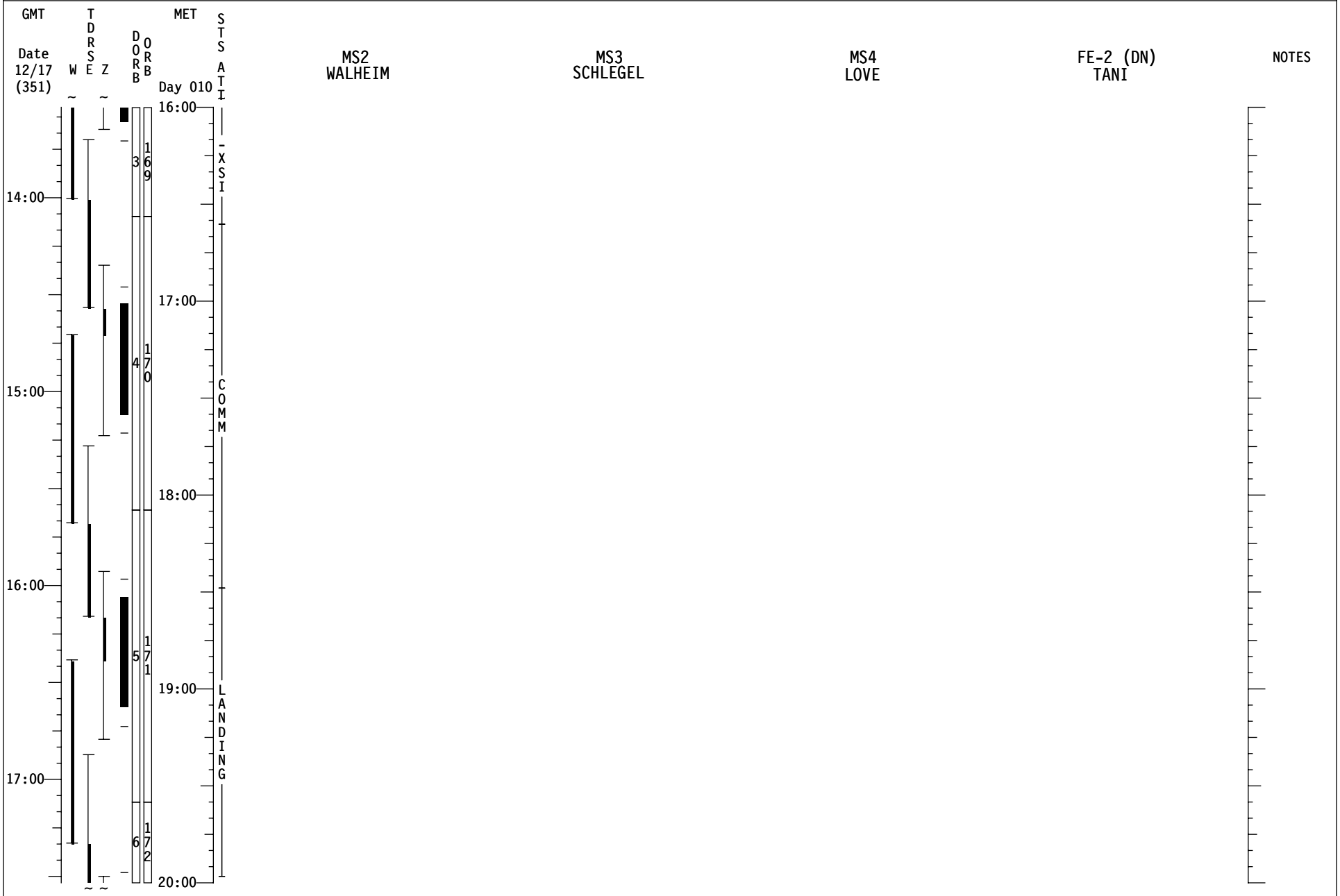
REQD ID:

-Y: ____, -Z: ____, ANG ERR ____,____ ____

ANG:	1	2	3
ΔX	( )__,__ __	( )__,__ __	( )__,__ __
ΔY	( )__,__ __	( )__,__ __	( )__,__ __
ΔZ	( )__,__ __	( )__,__ __	( )__,__ __

EXECUTION TIME: ___/___:___:___ MET

STS-122 FD (12)


GMT
Date 12/17 (351)
W
TDRSE
Z
DORB
ORB
MET
Day 010
STS ATI
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (DN) TANI
NOTES
16:00
14:00
17:00
15:00
18:00
16:00
19:00
17:00
20:00
3
4
5
6
169
170
171
172
-XSI
COMM
LANDING

This Page Intentionally Blank

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

This Page Intentionally Blank

For the latest version of the non-flown sections:

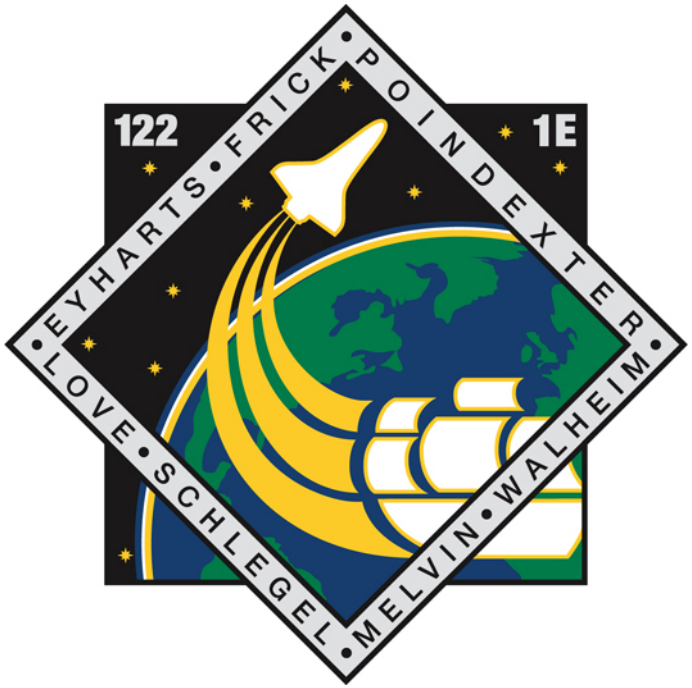
Attitude Timeline
Ku-Band Antenna Masking Plan
Flight Plan Notes
Flight Plan Walkthrough

Go to:
http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=122

This Page Intentionally Blank

Space Shuttle Program
FLIGHT DATA FILE

JSC-48000-122
FINAL



FLIGHT PLAN

STS
122

Flight Cover (trim bottom to expose tabs)