Space Shuttle Program
FLIGHT DATA FILE

JSC-48000-133

Flight Plan

STS-133/ULF5

(November 1, 2010 FRR Trajectory)

Mission Operations Directorate
Operations Division

Final
October 1, 2010

Launch Date: November 1, 2010 GMT
Launch Time: 305/20:40:17 GMT
Mon. November 1, 16:40:17 EDT

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas

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

FLIGHT PLAN
STS-133

FINAL
October 1, 2010

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FINAL 10/01/10

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* – Omit from flight book

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DETAILED TIMELINE 3-1

INTRODUCTION

The STS-133 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-17462-133, STS-133 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints
- NSTS-21554, ISS-ULF5 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-133 Flight Plan is based on a launch date of November 1, 2010, at 20:40:17 GMT (3:40:17 PM CDT). Orbiter inertial attitudes are expressed relative to a mean of 1950 (M50) reference frame.

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

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

http://modspops.jsc.nasa.gov/mod/DO/DO4/Joint/133_ULF5/default.aspx

Non-flown sections that are no longer published:
- Attitude Timeline
- Ku-Band Antenna Masking Plan
- Flight Plan Notes
- Flight Plan Walkthrough

OVERVIEW TIMELINE

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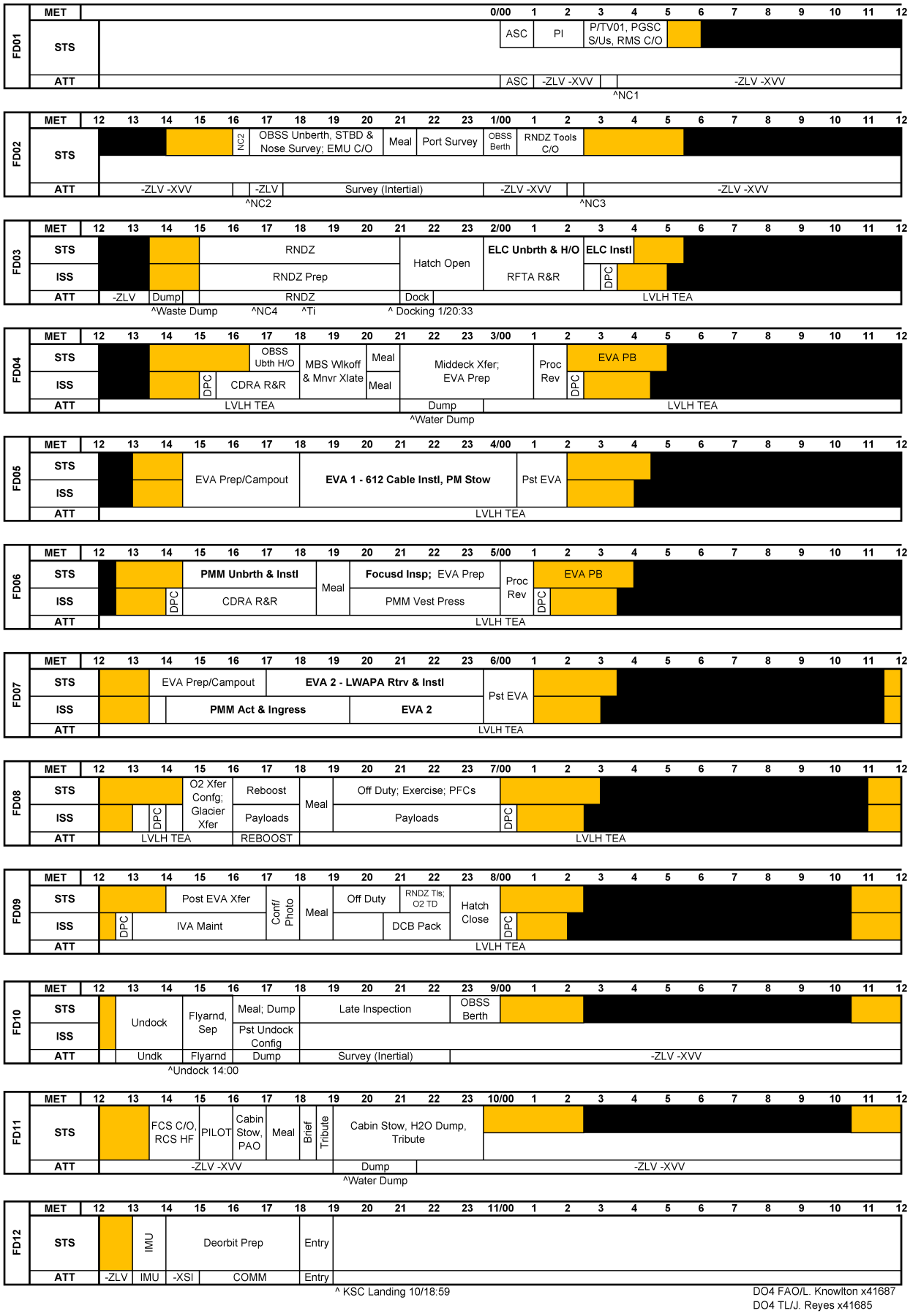
STS-133/ULF5 Overview Timeline (11+1+2)
Launch November 1, 2010 (305/20:40 GMT)



DO4 FAO/L. Knowlton x41687
DO4 TL/J. Reyes x41685

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SUMMARY TIMELINE

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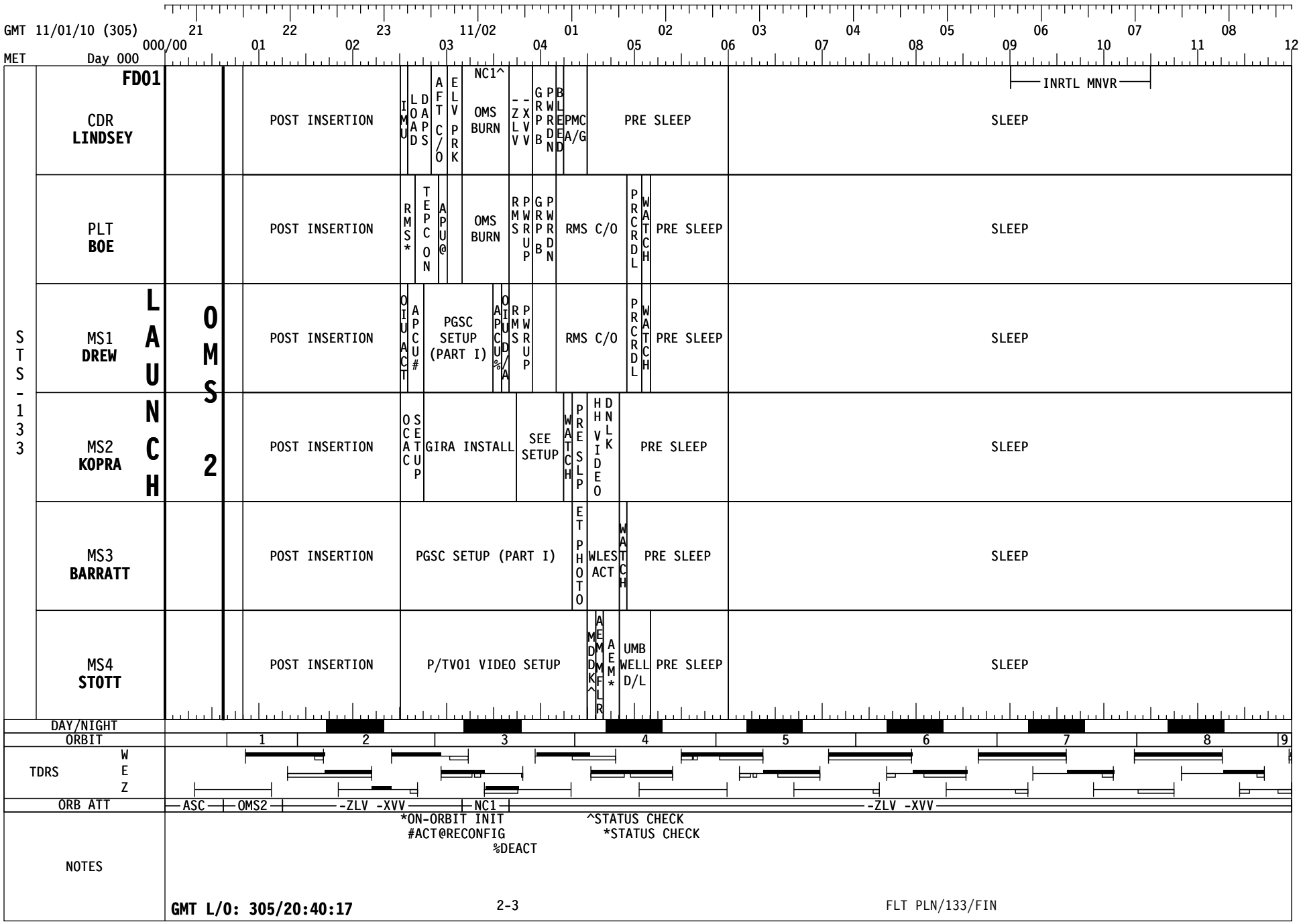


GMT L/O: 305/20:40:17

GMT 11/02/10 (306) 09 10 11 12 13 14 15 16 17 18 19 20

MET Day 000 12 13 14 15 16 17 18 19 20 21 22 23 001/00

STS-133

FD02

CDR **LINDSEY**	SLEEP	POST SLEEP	NC2^ OMS BURN	-ZLV -XVV	*B POD HTR RECONFIG	@CNTLR SWAP	#MANUAL	CRYO O2 SNSR CK	STBD WING SURVEY	MNVR NOSE	NOSE CAP SURVEY	MEAL	MNVR PORT	PORT WING SURVEY	MNVR	OBSS BERTH
PLT **BOE**	SLEEP	LOG	POST SLEEP	OMS BURN	OBSS UNBERTH	STBD WING SURVEY	NOSE CAP SURVEY	MEAL	PORT WING SURVEY	OBSS BERTH
MS1 **DREW**	SLEEP	LOG	POST SLEEP	MCIU#	OBSS UNBERTH	STBD WING SURVEY	NOSE CAP SURVEY	MEAL	EMU C/O PREP	EMU C/O	♣
MS2 **KOPRA**	SLEEP	LOG	POST SLEEP	MINI CAM D/L	POST SLEEP	AEM PHTO	EXERCISE	MEAL	EMU C/O PREP	EMU C/O	GALLEY ⊕
MS3 **BARRATT**	SLEEP	LOG	POST SLEEP	PGSC SETUP (PART II)	ERG SETUP	EXERCISE	FILTER CLEANING	MEAL	VACCINE ACTIVATE	EMU C/O	♦
MS4 **STOTT**	SLEEP	POST SLEEP	OIU ACT	APCU$	POST SLEEP	APCU^	OIU DK/A%	AEM$	AEM VIDEO	ERG SETUP	TRANSFER PREP	MEAL	EMU C/O	EXERCISE	®

DAY/NIGHT

ORBIT 9 10 11 12 13 14 15 16

TDRS W E Z

ORB ATT -ZLV -XVV NC2 -ZLV -XVV STBD SURVEY NOSE SURVEY PORT SURVEY

NOTES

*B POD HTR RECONFIG
#MANUAL
@CNTLR SWAP
#FILTER CK ^DEACT
$ACT $STATUS CHECK
%STATUS CHECK

♣EVA PREP
⊕EMU DRINK
♦EVA PREP
®EMU DRINK

GMT 11/02/10 (306): 21 | 22 | 23 | 11/03 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08

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

FD02

STS-133	Crew	Activities (in time order)
	CDR **LINDSEY**	OBSS BERTH; VISION EXAM; LDRI DOWNLINK; NC3^ RCS BURN; -ZLV -XVV; FUTLOAD; PMC A/G; PRE SLEEP; SLEEP
	PLT **BOE**	OBSS BERTH; O2-I; FCMS OPS; O2-T; VISION EXAM; RCS BURN; PRE SLEEP; SLEEP
	MS1 **DREW**	EVA PREP FOR XFER; EXERCISE; VISION EXAM; PRE SLEEP; SLEEP
	MS2 **KOPRA**	EMU DRINK BAG FILL; GALLEY; DOCKING%; C/L CMR INSTL; ODS RING EXT; RNDZ TOOLS C/O; VISION EXAM; PRE SLEEP; SLEEP
	MS3 **BARRATT**	EVA PREP FOR XFER; RNDZ TOOLS C/O; OMS POD SRVY; OCA@; VISION EXAM; PRE SLEEP; SLEEP
	MS4 **STOTT**	EMU DRINK BAG FILL; DOCKING%; C/L CMR INSTL; ODS RING EXT; VISION EXAM; MDDK*; GLCR PTV; PRE SLEEP; SLEEP

DAY/NIGHT	
ORBIT	17 | 18 | 19 | 20 | 21 | 22 | 23 | 24
TDRS	W / E / Z
ORB ATT	-ZLV -XVV; NC3; -ZLV -XVV

NOTES

%MECH-INIT

*STATUS CHECK

@RATE RECONFIG

NO UNISOLATED EXERCISE — DIRECT DEADBAND COLLAPSE
NO EXERCISE — ELC <2ft FROM STRUCTURE

GMT 11/03/10 (307) 09 10 11 12 13 14 15 16 17 18 19 20
MET Day 001 12 13 14 15 16 17 18 19 20 21 22 23 002/00

STS-133

FD03 CDR LINDSEY	SLEEP (+YVV^)	POST SLEEP	IMU	MNVR*	GRPB	PWRUP	ISS RNDZ OPS (NC4^, Ti^)	APPROACH T/L (RPM^)	DOCKING*	HARDMATE	HATCH LEAK CK - STS	GRPB	PWRDN	SSV-2	INGRS HATCH OPEN	WLCM	SAFETY BRIEF	P/TV 05 S/U	PRLAON	P/TV6 S/U*				
PLT BOE	SLEEP	POST SLEEP	POD*	GRPB	PWRUP	ISS RNDZ OPS	APPROACH T/L				MNVR TEA	GRPB	PWRDN	ATHO%	SSPRTS F	VSERCIS	OPCU^	SRMSUP	WLCM	SAFETY BRIEF	CWC-I S/U	SXOFER		
MS1 DREW	SLEEP	LOG	POST SLEEP	MCIU-@	APCU%	POSTEP	ASCU-^	SSCV-3	POST SLEEP	EXERCISE	ISS RNDZ OPS	EMU RMVL	APPROACH T/L			PCS SETUP - STS		SRMS	SRETUP	WLCM	SAFETY BRIEF	EVA XFR RCFG		
MS2 KOPRA	SLEEP	WASTE	INITT	POST SLEEP	WASTE	TERM	POST SLEEP	COND CWC S/U		EXERCISE	EMU RMVL	APPROACH T/L			HATCH LEAK CK - STS	ODS PREP FOR INGR	INGRS HATCH OPEN	WLCM	SAFETY BRIEF	ELC UNBRTH				
MS3 BARRATT	SLEEP	LOG	POST SLEEP	OCA#	ISS RNDZ OPS	APPROACH T/L				EXERCISE		POLYBK	OPSYS	WLCM	SAFETY BRIEF	SSETUP	PST DCK EVA XFR RCFG							
MS4 STOTT	SLEEP	POST SLEEP	MDDK%	AEM@	AEM VIDEO	XFR UPDAT	P/TV02 DOCK SETUP	EXERCISE	P/TV02 DOCK OPS		PSTEP	STOU4	ODS PREP FOR INGR	PTV04 OPS	WLCM	SAFETY BRIEF	ELC UNBRTH							

STS — DAY/NIGHT; ORBIT 25 26 27 28 29 30 31 32; TDRS W E Z

ISS — TDRS AVAIL

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

NOTES:
*-ZLV -XVV ^DEACT @STATUS CHECK
*A POD HTR RECONFIG %STATUS CHECK
@FILTER CK
#RATE
%STS TO CMG
^ACTIVATION
*P/TV6 OPS

*01/20:33

NO UNISOLATED EXERCISE
DIRECT DEADBAND COLLAPSE

NO EXERCISE
ELC <2ft FROM STRUCTURE

GMT 11/03/10 (307): 09 10 11 12 13 14 15 16 17 18 19 20

MET Day 001: 12 13 14 15 16 17 18 19 20 21 22 23 002/00

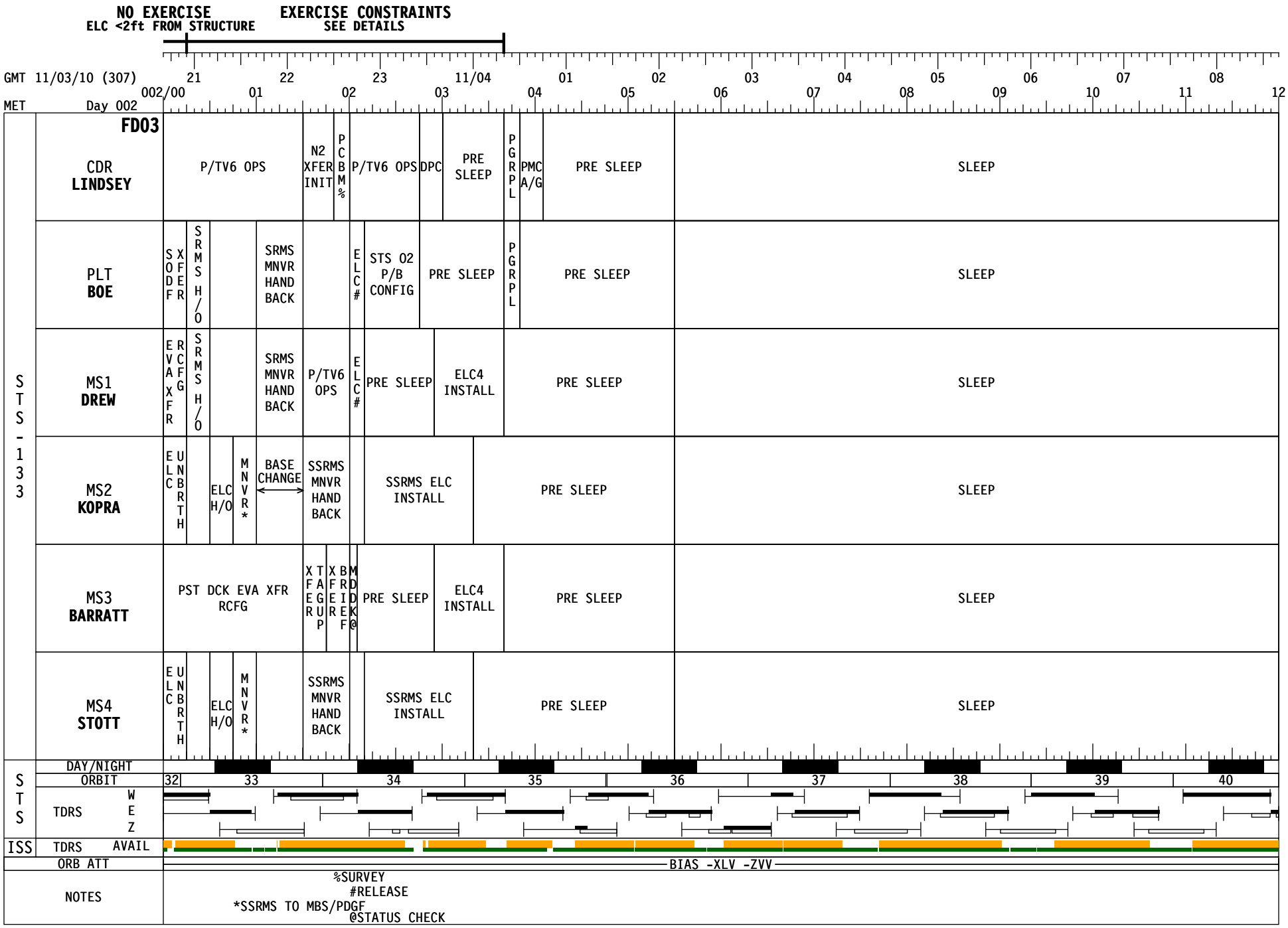
ISS TDRS AVAIL

FD03

ISS	Activities (in time order)
ISS CDR **WHEELOCK**	SLEEP · IMMN LQD · POST SLEEP · PREP WORK · DPC · ARED · N2 · OSTPV · CEVIS · MIDDAY-MEAL · APRCH · DOC · PMA2 · ARVL · **DOCKING*** · **HARD MATE** · HATCH LEAK CK ISS · CUP · ♣ · SSRMS · SETUP · AUDIO · INGRS HATCH OPEN · WLCM · SAFETY BRIEF · SSCR · SODF XFER
FE-1 **KALERI**	SLEEP · POST SLEEP · PREP WORK · DPC · VELO · TVIS · MIDDAY-MEAL · **DOCKING*** · **HARD MATE** · WLCM · SAFETY BRIEF
FE-2 **SKRIPOCHKA**	SLEEP · POST SLEEP · PREP WORK · DPC · VELO · MIDDAY-MEAL · **DOCKING*** · **HARD MATE** · TVIS · WLCM · SAFETY BRIEF
FE-3 **S. KELLY**	SLEEP · POST SLEEP · PREP WORK · DPC · CEVIS · TVIS2 · ⊕ · TIMER · TIMER · SPHNX CK · MIDDAY-MEAL · **DOCKING*** · **HARD MATE** · HATCH LEAK CK ISS · DMS · ♣ · P/TV-A · INGRS HATCH OPEN · WLCM · SAFETY BRIEF · JEM SMP
FE-5 **YURCHIKHIN**	SLEEP · POST SLEEP · PREP WORK · DPC · RPM SETUP · TVIS · PREP · 800 · MIDDAY-MEAL · **DOCKING*** · **HARD MATE** · ARED · COГC · SMPL · WLCM · SAFETY BRIEF
FE-6 **WALKER**	SLEEP · IMMN LQD · POST SLEEP · PREP WORK · DPC · RPM SETUP · TVIS2 · ARED · PREP · 400 · RPM · MIDDAY-MEAL · **DOCKING*** · **HARD MATE** · GAM-O · COL SMP · SSRMS · SETUP · WLCM · SAFETY BRIEF · ND2 LTL

DAY/NIGHT								
ORBIT	25	26	27	28	29	30	31	32
ALL VHF								

NOTES
⊕CMS-T2 SNBBR-INSPECT ♣INGRS HATCH OPEN


NO EXERCISE
ELC <2ft FROM STRUCTURE
EXERCISE CONSTRAINTS
SEE DETAILS
GMT 11/03/10 (307)
MET Day 002
21 22 23 11/04 01 02 03 04 05 06 07 08
002/00 01 02 03 04 05 06 07 08 09 10 11 12
STS-133
FD03
CDR LINDSEY
P/TV6 OPS
N2 XFER INIT
PCBM%
P/TV6 OPS
DPC
PRE SLEEP
PGRPL
PMC A/G
PRE SLEEP
SLEEP
PLT BOE
SODF
XFER
SRMS H/O
SRMS MNVR HAND BACK
ELC#
STS 02 P/B CONFIG
PRE SLEEP
PGRPL
PRE SLEEP
SLEEP
MS1 DREW
EVA XFR
RCFG
SRMS H/O
SRMS MNVR HAND BACK
P/TV6 OPS
ELC#
PRE SLEEP
ELC4 INSTALL
PRE SLEEP
SLEEP
MS2 KOPRA
ELC
UNBRTH
ELC H/O
MNVR*
BASE CHANGE
SSRMS MNVR HAND BACK
SSRMS ELC INSTALL
PRE SLEEP
SLEEP
MS3 BARRATT
PST DCK EVA XFR RCFG
XFER
TAGUP
XFER
BREF
MDEK@
PRE SLEEP
ELC4 INSTALL
PRE SLEEP
SLEEP
MS4 STOTT
ELC
UNBRTH
ELC H/O
MNVR*
SSRMS MNVR HAND BACK
SSRMS ELC INSTALL
PRE SLEEP
SLEEP
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DAY/NIGHT
ORBIT
32 33 34 35 36 37 38 39 40
TDRS W E Z
ISS TDRS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
%SURVEY
#RELEASE
*SSRMS TO MBS/PDGF
@STATUS CHECK

NO EXERCISE
ELC <2ft FROM STRUCTURE

EXERCISE CONSTRAINTS
SEE DETAILS

GMT 11/03/10 (307) 21 22 23 11/04 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

FD03

ISS	ISS CDR **WHEELOCK**	SODF XFER		N2 XFER INIT		STS O2 P/B CONFIG	DPC	PRE SLEEP-ISS	SLEEP					
ISS	FE-1 **KALERI**					PREP WORK	DPC	PRE SLEEP-ISS	SLEEP					
ISS	FE-2 **SKRIPOCHKA**					PREP WORK	DPC	PRE SLEEP-ISS	SLEEP					
ISS	FE-3 **S. KELLY**	LAB SMP	KAB RMV	RFTA R&R	KABIN INSTL	DMS D2XS PLCK PREP WORK	P/TV-D DPC	PRE SLEEP-ISS	SLEEP					
ISS	FE-5 **YURCHIKHIN**					PREP WORK	DPC	PRE SLEEP-ISS	SLEEP					
ISS	FE-6 **WALKER**	ND2 MTL	KAB RMV	RFTA R&R	KABIN INSTL	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP					

DAY/NIGHT

ORBIT 32 33 34 35 36 37 38 39 40

ALL VHF

NOTES

NO T2 WITH OBSS ON SSRMS | **NO EXERCISE** WHILE DOUBLE GRAPPLED | **NO UNISOLATED EXERCISE** DIRECT DEADBAND COLLAPSE

GMT 11/04/10 (308): 09 10 11 12 13 14 15 16 17 18 19 20

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

STS-133

CDR: SLEEP | POST SLEEP | MCIMUU% | P/TV06 S/U | P/TV6 | OPS | MRL* | P/TV6 OPS | RMS GRPL OBSS | P/TV6 | OPS | PMM* | EXERCISE | MEAL | HN/VOR@ | SPLY | INIT | LIOH XFER | SPLY | TERM | DUMP PWR | MNVR TEA | DDC | H/O*

PLT: SLEEP | LOG | POST SLEEP | CWC-I | FILL #1 | CWC-I | FILL #2 | MRL* | CWC-I | FILL #3 | CWC-I | XFER | RMS GRPL OBSS | N2-I | PMM* | XFER OPS | N2-T | MEAL | COND | INIT | EXERCISE | COND | TERM | CWC-I | FILL #4 | CWC-I | FILL #5 | CWC-I | XFER

MS1: SLEEP | LOG | POST SLEEP | XFER OPS | EXERCISE | XFER OPS | MEAL | REBA # | REBA C/O | E_LK PREP | TOOL CONFG

MS2 KOPRA: SLEEP | LOG | POST SLEEP | XFER OPS | EXERCISE | XFER OPS | MEAL | REBA # | REBA C/O | E_LK PREP | TOOL CONFG

MS3 BARRATT: SLEEP | LOG | POST SLEEP | XFR | UPDAT | OBSS | GRPL | OBSS | UNBRTH | OBSS MNVR TO H/O | OBSS RLS | AR-CDRA-R&R PT2 | MEAL | VACCINE | TERM | NLP TEMP | XFER OPS | EXERCISE | XFER OPS

MS4 STOTT: SLEEP | POST SLEEP | APCU* | POST | SLEEP | APCU@ | POST | SLEEP | MDDK# | AEM^ | OBSS | GRPL | OBSS | UNBRTH | OBSS MNVR TO H/O | OBSS RLS | SSRMS TO PDGF1 | BASE CHANGE | SSRMS MNVR XLATE | MEAL | GLACIER | POWER ON | EXERCISE | XFER OPS

DAY/NIGHT

ORBIT: 40 41 42 43 44 45 46 47 48

STS TDRS: W, E, Z

ISS TDRS AVAIL

ORB ATT: BIAS -XLV -ZVV | BIAS -XLV +YVV

NOTES:
*ACT %FILTER CK *INSTALL VIEWING @DUMP *TO ISS
@DEACT *RELEASE #INSTALL
^STATUS CHECK
#STATUS CHECK

NO T2 WITH OBSS ON SSRMS | NO EXERCISE WHILE DOUBLE GRAPPLED | NO UNISOLATED EXERCISE DIRECT DEADBAND COLLAPSE

GMT 11/04/10 (308) 09 10 11 12 13 14 15 16 17 18 19 20

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

ISS TDRS AVAIL

FD04

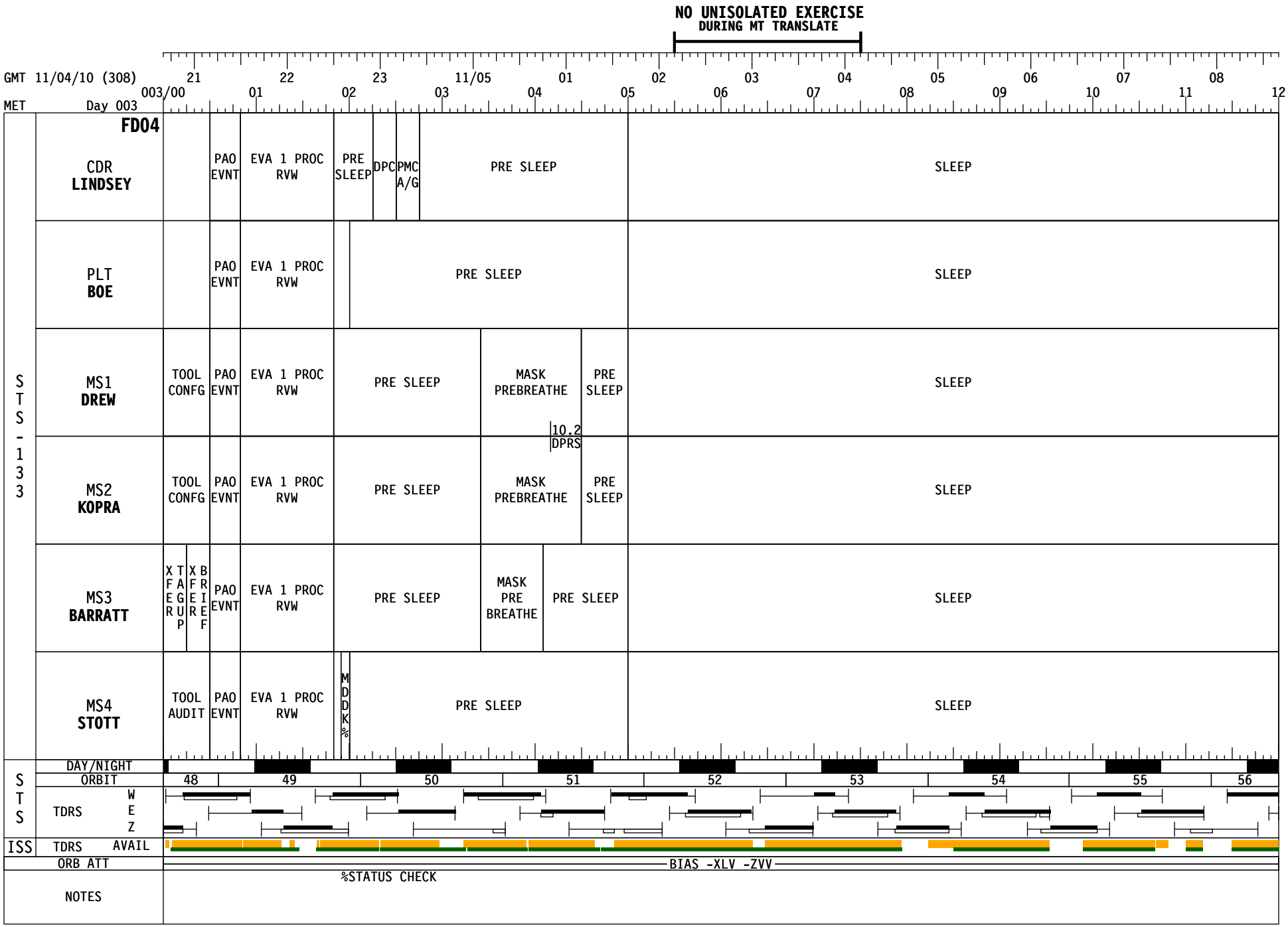
ISS																	
ISS CDR **WHEELOCK**	SLEEP	POST SLEEP	DPC	PREP WORK	TVIS2	AR-CDRA-R&R PT2	MIDDAY-MEAL	E_LK PREP	FFQ	ARED							
FE-1 **KALERI**	SLEEP	POST SLEEP	DPC	PREP WORK			MIDDAY-MEAL		TVIS								
FE-2 **SKRIPOCHKA**	SLEEP	POST SLEEP	DPC	PREP WORK		TVIS	VELO	MIDDAY-MEAL									
FE-3 **S. KELLY**	SLEEP	REACT	POST SLEEP	DPC	ARED	AR-CDRA-R&R PT2	MIDDAY-MEAL	CSFA PHOTO1	CEVIS	FFQ							
FE-5 **YURCHIKHIN**	SLEEP	POST SLEEP	DPC	PREP WORK		TVIS	MIDDAY-MEAL										
FE-6 **WALKER**	SLEEP	POST SLEEP	DPC	P/TV-A	D2XS	♣	CEVIS	CSA-CP ACO	CUP	SSRMS TO PDGF1	SSRMS MNVR XLATE	ARED	MIDDAY-MEAL	P/TV-D	EVA CAMERA CNFG	FFQ	

DAY/NIGHT

ORBIT 40 41 42 43 44 45 46 47 48

ALL VHF

NOTES ♣PREP WORK


NO UNISOLATED EXERCISE
DURING MT TRANSLATE
GMT 11/04/10 (308)
21 22 23 11/05 01 02 03 04 05 06 07 08
MET Day 003
003/00 01 02 03 04 05 06 07 08 09 10 11 12
FD04
STS-133
CDR LINDSEY
PAO EVNT
EVA 1 PROC RVW
PRE SLEEP
DPC
PMC A/G
PRE SLEEP
SLEEP
PLT BOE
PAO EVNT
EVA 1 PROC RVW
PRE SLEEP
SLEEP
MS1 DREW
TOOL CONFG
PAO EVNT
EVA 1 PROC RVW
PRE SLEEP
MASK PREBREATHE
10.2 DPRS
PRE SLEEP
SLEEP
MS2 KOPRA
TOOL CONFG
PAO EVNT
EVA 1 PROC RVW
PRE SLEEP
MASK PREBREATHE
PRE SLEEP
SLEEP
MS3 BARRATT
XFER
TAGUP
XFER
BRIEF
PAO EVNT
EVA 1 PROC RVW
PRE SLEEP
MASK PRE BREATHE
PRE SLEEP
SLEEP
MS4 STOTT
TOOL AUDIT
PAO EVNT
EVA 1 PROC RVW
MDDK%
PRE SLEEP
SLEEP
STS
DAY/NIGHT
ORBIT
48 49 50 51 52 53 54 55 56
TDRS
W
E
Z
ISS
TDRS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
%STATUS CHECK

NO UNISOLATED EXERCISE
DURING MT TRANSLATE

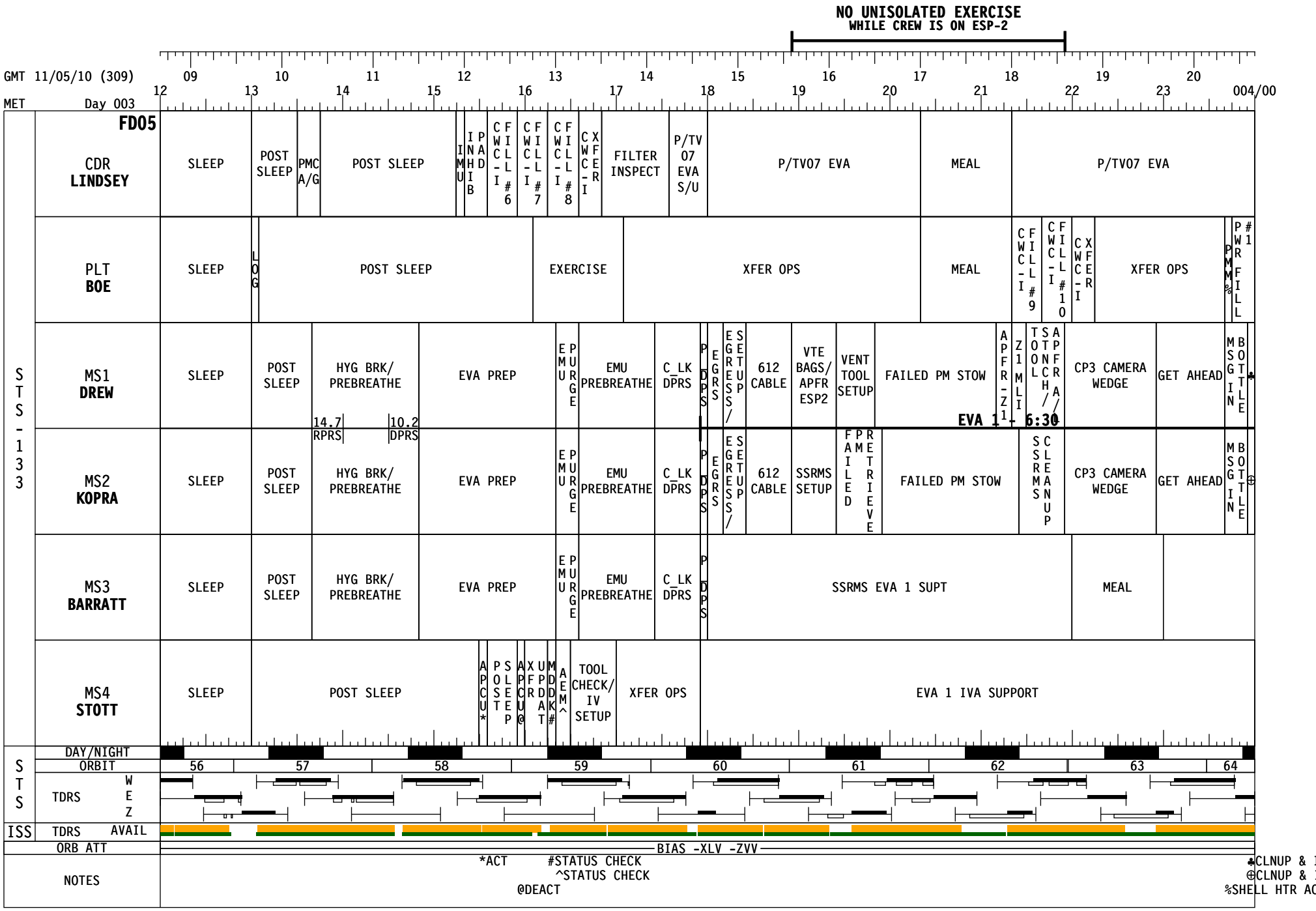
GMT 11/04/10 (308) 21 22 23 11/05 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

ISS	**FD04** ISS CDR **WHEELOCK**	ARED	PAO EVENT	EVA PROC RVW	PREP WORK	O2 XFER*	DPC	PRE SLEEP-ISS				SLEEP
ISS	FE-1 **KALERI**	TVIS		VELO	PREP WORK		DPC	PRE SLEEP-ISS				SLEEP
ISS	FE-2 **SKRIPOCHKA**				PREP WORK		DPC	PRE SLEEP-ISS				SLEEP
ISS	FE-3 **S. KELLY**		PAO EVENT		PREP WORK		DPC	PRE SLEEP-ISS	REACT			SLEEP
ISS	FE-5 **YURCHIKHIN**			ARED	PREP WORK		DPC	PRE SLEEP-ISS				SLEEP
ISS	FE-6 **WALKER**	S/U	PAO EVENT	EVA PROC RVW	PAO	PREP WORK	O2 XFER*	DPC	PRE SLEEP-ISS			SLEEP

DAY/NIGHT										
ORBIT	48	49	50	51	52	53	54	55	56	
ALL VHF										
NOTES			*TERM							


NO UNISOLATED EXERCISE
WHILE CREW IS ON ESP-2
GMT 11/05/10 (309)
09 10 11 12 13 14 15 16 17 18 19 20
MET Day 003
12 13 14 15 16 17 18 19 20 21 22 23 004/00
STS-133
FD05
CDR LINDSEY
SLEEP
POST SLEEP
PMC A/G
POST SLEEP
IMU
INHIB PAD
CWC-I FILL #6
CWC-I FILL #7
CWC-I FILL #8
CWC-I XFER
FILTER INSPECT
P/TV 07 EVA S/U
P/TV07 EVA
MEAL
P/TV07 EVA
PLT BOE
SLEEP
LOG
POST SLEEP
EXERCISE
XFER OPS
MEAL
CWC-I FILL #9
CWC-I FILL #10
CWC-I XFER
XFER OPS
PMM%
PWR FILL #1
MS1 DREW
SLEEP
POST SLEEP
HYG BRK/ PREBREATHE
14.7 RPRS
10.2 DPRS
EVA PREP
EMU PURGE
EMU PREBREATHE
C_LK DPRS
PDPS
EGRS
EGRESS/ SETUP
612 CABLE
VTE BAGS/ APFR ESP2
VENT TOOL SETUP
FAILED PM STOW
APFR-Z1
Z1 MLI
TOOL STNCH/ APFR A/
EVA 1 - 6:30
CP3 CAMERA WEDGE
GET AHEAD
MSG IN BOTTLE
MS2 KOPRA
SLEEP
POST SLEEP
HYG BRK/ PREBREATHE
EVA PREP
EMU PURGE
EMU PREBREATHE
C_LK DPRS
PDPS
EGRS
EGRESS/ SETUP
612 CABLE
SSRMS SETUP
FAILED PM RETRIEVE
FAILED PM STOW
SSRMS CLEANUP
CP3 CAMERA WEDGE
GET AHEAD
MSG IN BOTTLE
MS3 BARRATT
SLEEP
POST SLEEP
HYG BRK/ PREBREATHE
EVA PREP
EMU PURGE
EMU PREBREATHE
C_LK DPRS
PDPS
SSRMS EVA 1 SUPT
MEAL
MS4 STOTT
SLEEP
POST SLEEP
APCU*
POST SLEEP
APCU@
XFR UPDAT
MDDK#
AEM^
TOOL CHECK/ IV SETUP
XFER OPS
EVA 1 IVA SUPPORT
STS
DAY/NIGHT
ORBIT
56 57 58 59 60 61 62 63 64
TDRS W E Z
ISS
TDRS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
*ACT
#STATUS CHECK
^STATUS CHECK
@DEACT
CLNUP & I
CLNUP & I
%SHELL HTR AC

NO UNISOLATED EXERCISE
WHILE CREW IS ON ESP-2

GMT 11/05/10 (309) 09 10 11 12 13 14 15 16 17 18 19 20

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

ISS TDRS AVAIL

ISS	**FD05** ISS CDR **WHEELOCK**	SLEEP	IMMN LQD	REACT	POST SLEEP	DPC	♣	EVA PREP	EMU	PURGE	EMU PREBREATHE	C_LK DPRS	PDPS	N14B RPCM R&R		CEVIS	MIDDAY-MEAL	WRS-XFER PUMP-R&R		ARED
ISS	FE-1 **KALERI**	SLEEP			POST SLEEP	DPC	PREP WORK				TVIS			VELO			MIDDAY-MEAL			
ISS	FE-2 **SKRIPOCHKA**	SLEEP			POST SLEEP	DPC	PREP WORK						ARED		TVIS		MIDDAY-MEAL			
ISS	FE-3 **S. KELLY**	SLEEP			POST SLEEP	DPC	HAMPD	P/TV-A	TEST	MICB AGAR	MELF#	LAB FWD STB SCRW		SPHNXKB	TVIS2		ARED	MIDDAY-MEAL	PMM VEST EQUIP S/U	EHS-RAM-DEPLOY
ISS	FE-5 **YURCHIKHIN**	SLEEP			POST SLEEP	DPC	PREP WORK										TVIS MNT	MIDDAY-MEAL		TVIS
ISS	FE-6 **WALKER**	SLEEP	LAB CLD	IMMN LQD	REACT	POST SLEEP	DPC	PREP WORK			ARED				SSRMS EVA 1 SUPT				LAB AFT PRT SCRW	

DAY/NIGHT

ORBIT 56 57 58 59 60 61 62 63 64

ALL VHF

NOTES ♣PREP WORK

NO UNISOLATED EXERCISE
DURING MT TRANSLATE

GMT 11/05/10 (309) 21 22 23 11/06 01 02 03 04 05 06 07 08

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

STS-133

FD05 CDR **LINDSEY**	P/TV07 · EVA · EXERCISE · PRE · SLEEP · DPC · PRE SLP · PMC A/G · PRE SLEEP	SLEEP
PLT **BOE**	PWR FILL #1 · PWR FILL #2 · PWR FILL #3 · PWR XFER · PRE SLEEP	SLEEP
MS1 **DREW**	CLNUPS & · INGRS · P-RPS · RPRS · POST EVA W/H2O · PRE SLEEP	SLEEP
MS2 **KOPRA**	CLNUPS & · INGRS · P-RPS · RPRS · POST EVA W/H2O · PRE SLEEP	SLEEP
MS3 **BARRATT**	P-RPS · RPRS · POST EVA W/H2O · BSA INIT · PRE SLEEP	SLEEP
MS4 **STOTT**	EVA1IVA · SUPPORT · XFER · TADGUP · MDDK% · EXERCISE · XFER · BREF · PRE SLEEP	SLEEP

STS

DAY/NIGHT	
ORBIT	64 · 65 · 66 · 67 · 68 · 69 · 70 · 71 · 72
TDRS W E Z	

ISS

TDRS AVAIL	
ORB ATT	BIAS -XLV -ZVV
NOTES	%STATUS CHECK

NO UNISOLATED EXERCISE
DURING MT TRANSLATE

GMT 11/05/10 (309): 21 | 22 | 23 | 11/06 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08

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

ISS TDRS AVAIL

FD05

ISS	Crew	Activities (in time order)
ISS	ISS CDR **WHEELOCK**	ARED / P-RPS / RPRS / POST EVA W/H2O / PW / PRE SLEEP-ISS / REACT / SLEEP
ISS	FE-1 **KALERI**	PREP WORK / DPC / PW / PRE SLEEP-ISS / SLEEP
ISS	FE-2 **SKRIPOCHKA**	PREP WORK / DPC / PW / PRE SLEEP-ISS / SLEEP
ISS	FE-3 **S. KELLY**	GLOVE / IMAGE / D2XS / P/TV-D / HAM PU / PW / DPC / PW / PRE SLEEP-ISS / SLEEP
ISS	FE-5 **YURCHIKHIN**	TVIS / VELO / PREP WORK / DPC / PW / PRE SLEEP-ISS / SLEEP
ISS	FE-6 **WALKER**	TVIS2 / PREP WORK / DPC / PW / PRE SLEEP-ISS / REACT / SLEEP

DAY/NIGHT	
ORBIT	64 / 65 / 66 / 67 / 68 / 69 / 70 / 71 / 72
ALL VHF	
NOTES	

NO T2 — W/ PMM on SSRMS
NO EXERCISE — PMM INSTL to A-BOLTS
NO EXERCISE — DURING LCS IMAGING

GMT 11/06/10 (310) 09 10 11 12 13 14 15 16 17 18 19 20
MET Day 004 12 13 14 15 16 17 18 19 20 21 22 23 005/00

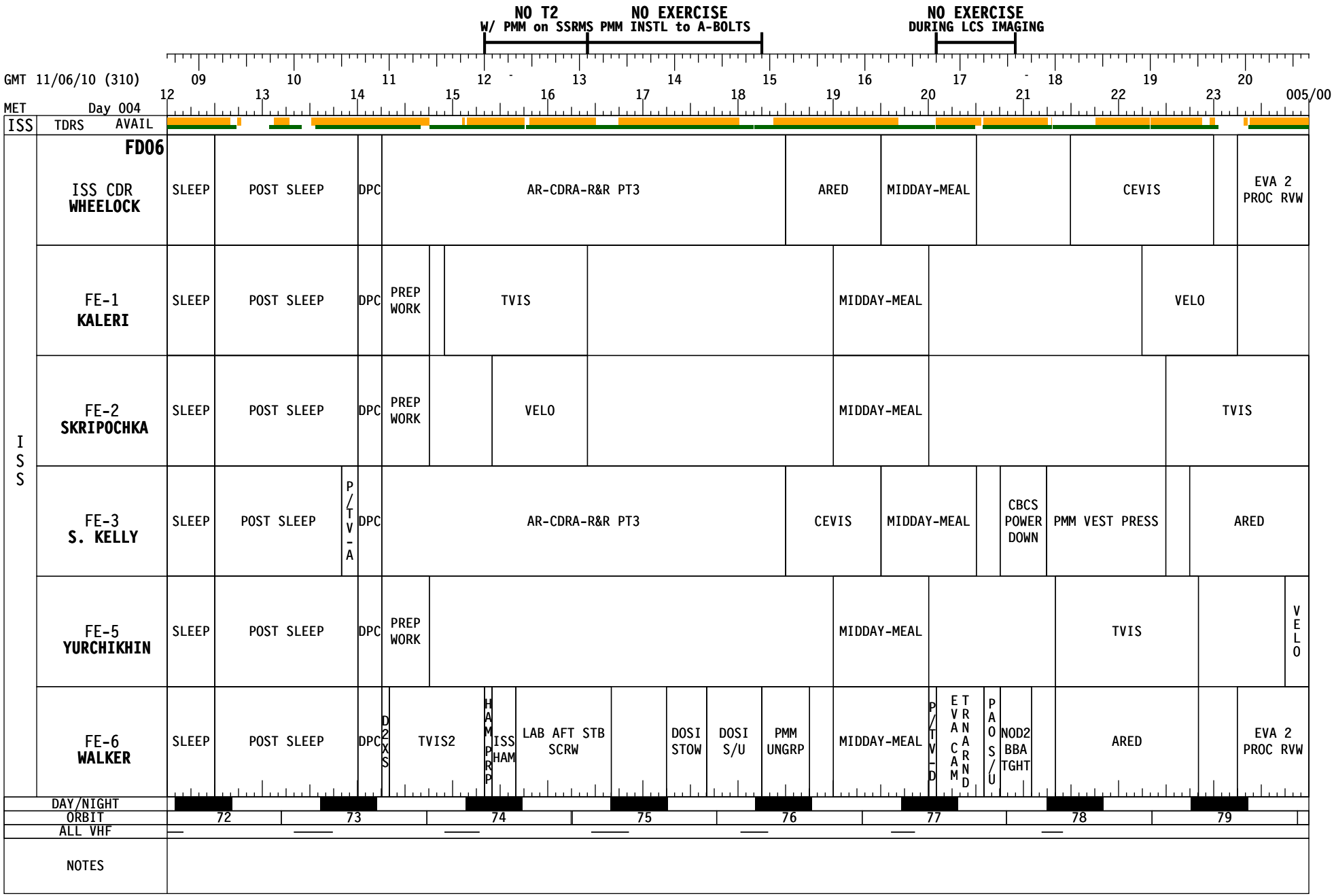
STS-133	FD06 CDR LINDSEY	SLEEP; POST SLEEP; IMU; POST SLEEP; MCIU%; P/TV6 OPS; PRLA; P/TV6 OPS; XFER OPS; PRLA; CLOSE; MEAL; FI DOUG REVIEW; FOCUSED INSPECTION; EXERCISE; XFER OPS; EVA 2 PROC RVW
	PLT BOE	SLEEP; LOG; POST SLEEP; PMM^; POST SLEEP; WCS*; VERIF; 1ST STG CAP; N1 CBM 2ND CAP; MEAL; FI DOUG REVIEW; FOCUSED INSPECTION; PMM VEST PRESS; EVA 2 PROC RVW
	MS1 DREW	SLEEP; LOG; ASPIRIN; POST SLEEP; EXERCISE; CWCI-I; FILL #11; CWCI-I; FILL #12; CWCI; XFER; MINSOTXL; XFER OPS; APFR HEAT SHLD RMVL; MEAL; E_LK PREP; TOOL CONFG; EVA 2 PROC RVW
	MS2 KOPRA	SLEEP; LOG; ASPIRIN; POST SLEEP; PMM GRAPL; PMM UNBTH; PMM INSTL; LIMP; BSA-T; MINSOTXL; EXERCISE; MEAL; E_LK PREP; TOOL CONFG; EVA 2 PROC RVW
	MS3 BARRATT	SLEEP; LOG; POST SLEEP; CBCS; PMM GRAPL; PMM UNBTH; PMM INSTL; LIMP; MEAL; PMM UNGRP; HACH$; SSRMS POSN FOR FI; E_LK PREP; SEVRAMS; EXERCISE; EVA 2 PROC RVW
	MS4 STOTT	SLEEP; POST SLEEP; APCU*; POST SLEEP; APCU@; POST SLEEP; MDK@; AEM#; XFR; UPDAT; VERIF; 1ST STG CAP; N1 CBM 2ND CAP; MEAL; SSRMS POSN FOR FI; SSRMS CAMERA SUPPORT; SEVRAMS; XFER OPS; TOOL CONFG; EVA 2 PROC RVW

STS: DAY/NIGHT; ORBIT 72 73 74 75 76 77 78 79; TDRS W E Z

ISS: TDRS AVAIL

ORB ATT: BIAS -XLV -ZVV

NOTES: *ACT; %FILTER CK; *FILTER CK; *TERM; $LATCH; ^SHELL HTR DEACT; @DEACT; #STATUS CHECK; @STATUS CHECK


NO T2
W/ PMM on SSRMS
NO EXERCISE
PMM INSTL to A-BOLTS
NO EXERCISE
DURING LCS IMAGING
GMT 11/06/10 (310)
09 10 11 12 13 14 15 16 17 18 19 20
MET Day 004
12 13 14 15 16 17 18 19 20 21 22 23 005/00
ISS TDRS AVAIL
FD06
ISS CDR WHEELOCK
SLEEP
POST SLEEP
DPC
AR-CDRA-R&R PT3
ARED
MIDDAY-MEAL
CEVIS
EVA 2 PROC RVW
FE-1 KALERI
SLEEP
POST SLEEP
DPC
PREP WORK
TVIS
MIDDAY-MEAL
VELO
FE-2 SKRIPOCHKA
SLEEP
POST SLEEP
DPC
PREP WORK
VELO
MIDDAY-MEAL
TVIS
FE-3 S. KELLY
SLEEP
POST SLEEP
P/TV-A
DPC
AR-CDRA-R&R PT3
CEVIS
MIDDAY-MEAL
CBCS POWER DOWN
PMM VEST PRESS
ARED
FE-5 YURCHIKHIN
SLEEP
POST SLEEP
DPC
PREP WORK
MIDDAY-MEAL
TVIS
VELO
FE-6 WALKER
SLEEP
POST SLEEP
DPC
D2XS
TVIS2
HAMPRP
ISS HAM
LAB AFT STB SCRW
DOSI STOW
DOSI S/U
PMM UNGRP
MIDDAY-MEAL
P/TV-D
EVA CAM
TRNARND
PAO S/U
NOD2 BBA TGHT
ARED
EVA 2 PROC RVW
ISS
DAY/NIGHT
ORBIT
72 73 74 75 76 77 78 79
ALL VHF
NOTES

GMT 11/06/10 (310) 21 22 23 11/07 01 02 03 04 05 06 07 08

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

FD06

STS-133

CDR **LINDSEY**	COND, CHG/O, PAO EVENT, ILL-1, PRE SLEEP, DPC, PRE SLEEP, PMC A/G, PRE SLEEP	SLEEP
PLT **BOE**	PAO EVENT, PRE SLEEP, EXERCISE, PRE SLEEP	SLEEP — **ISS EXERNAL SURVEYS**
MS1 **DREW**	PAO EVENT, PRE SLEEP, MASK PREBREATHE, 10.2 DPRS, PRE SLEEP	SLEEP
MS2 **KOPRA**	PRE SLEEP, MASK PREBREATHE, PRE SLEEP	SLEEP
MS3 **BARRATT**	PAO EVENT, MDK@, PRE SLEEP	SLEEP
MS4 **STOTT**	XFER TAGUP, PAO EVENT, EXERCISE, XFER BREF, PRE SLEEP	SLEEP

STS

DAY/NIGHT

ORBIT 80 81 82 83 84 85 86 87

TDRS W E Z

ISS TDRS AVAIL

ORB ATT BIAS -XLV -ZVV

NOTES @STATUS CHECK

GMT 11/06/10 (310) 21 22 23 11/07 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

ISS	**FD06** ISS CDR **WHEELOCK**	EVA 2 / PROC RVW	PAO / EVENT	PAO	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP
	FE-1 **KALERI**				PREP WORK	DPC	PRE SLEEP-ISS	SLEEP
	FE-2 **SKRIPOCHKA**				PREP WORK	DPC	PRE SLEEP-ISS	SLEEP
	FE-3 **S. KELLY**	ARED	PAO / EVENT		PREP WORK	DPC	PRE SLEEP-ISS	SLEEP
	FE-5 **YURCHIKHIN**	VELO			PREP WORK	DPC	PRE SLEEP-ISS	SLEEP
	FE-6 **WALKER**	EVA 2 / PROC RVW	PAO / EVENT		PREP WORK	DPC	PRE SLEEP-ISS	SLEEP

DAY/NIGHT								
ORBIT	80	81	82	83	84	85	86	87
ALL VHF								
NOTES								

NO UNISOLATED EXERCISE
While Crew is on ESP-2 & ELC4

GMT 11/07/10 (311) 09 10 11 12 13 14 15 16 17 18 19 20
MET Day 005 12 13 14 15 16 17 18 19 20 21 22 23 006/00

STS-133

FD07 CDR **LINDSEY**	POST SLEEP; PMC A/G; POST SLEEP; ILL-0; MCIU*; OBS CLR; INHIB; PAD; PWR FILL #4; PWR XFER; P/TV 07 EVA S/U; P/TV07 EVA; OBSS*; P/TV07; EVA; MEAL; P/TV07 EVA; EXERCISE	
PLT **BOE**	LOG; POST SLEEP; PMM VEST INGRS CNFG; PMM VEST CPA RMV; PMM IMV INSTL; VEST CLS INSTL; PMM INGR; MEAL; XFER OPS; EXERCISE; PRE SLEEP	
MS1 **DREW**	POST SLEEP; HYG BRK/ PREBREATHE (14.7 RPRS, 10.2 DPRS); EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; EGRS; EGRESS/ SETUP; VENT OPS/QD BAG C/U; ELC4 EXPCA MLI RMV; JSB; PICKUP; P3 CETA LIGHT; P1 RBVM BOOTIE; P1 RAD TROUBLE SHOOT; NODE 3 MLI REMOVAL; POACLA; COVER; GET; AHEAD; CLNUP & INGRS; P-RPS; RPRS; POST EVA W/H20	EVA 2 - 6:30
MS2 **KOPRA**	POST SLEEP; HYG BRK/ PREBREATHE; EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; EGRS; EGRESS/ SETUP; SSRMS SETUP; LWAPA RETRIEVE; LWAPA; INSTALL; SPDM CLPA 1 INSTALL; SPDM EP1 REMOVE; SSRMS CLEANUP; SSRMAS; CLPMAS; P1 RAD TROUBLE SHOOT; SPDMA; COVER; GET; AHEAD; CLNUP & INGRS; P-RPS; RPRS; POST EVA W/H20	
MS3 **BARRATT**	POST SLEEP; HYG BRK/ PREBREATHE; EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; SSRMS EVA 2 SUPT; MEAL; XFER OPS; P-RPS; RPRS; POST EVA W/H20	
MS4 **STOTT**	POST SLEEP; MDK#; AEM^; GLCR SET; XFR; UPDAT; EXERCISE; EVA 2 IVA SUPPORT; XFER OPS	

STS

DAY/NIGHT	
ORBIT	88 89 90 91 92 93 94 95
TDRS W E Z	

ISS

TDRS AVAIL	
ORB ATT	BIAS -XLV -ZVV
NOTES	*FILTER CK; #STATUS CHECK; ^STATUS CHECK; *MNVR TO EVA2 VIEWING

NO UNISOLATED EXERCISE
While Crew is on ESP-2 & ELC4

GMT 11/07/10 (311) 09 10 11 12 13 14 15 16 17 18 19 20

MET Day 005 12 13 14 15 16 17 18 19 20 21 22 23 006/00

ISS TDRS AVAIL

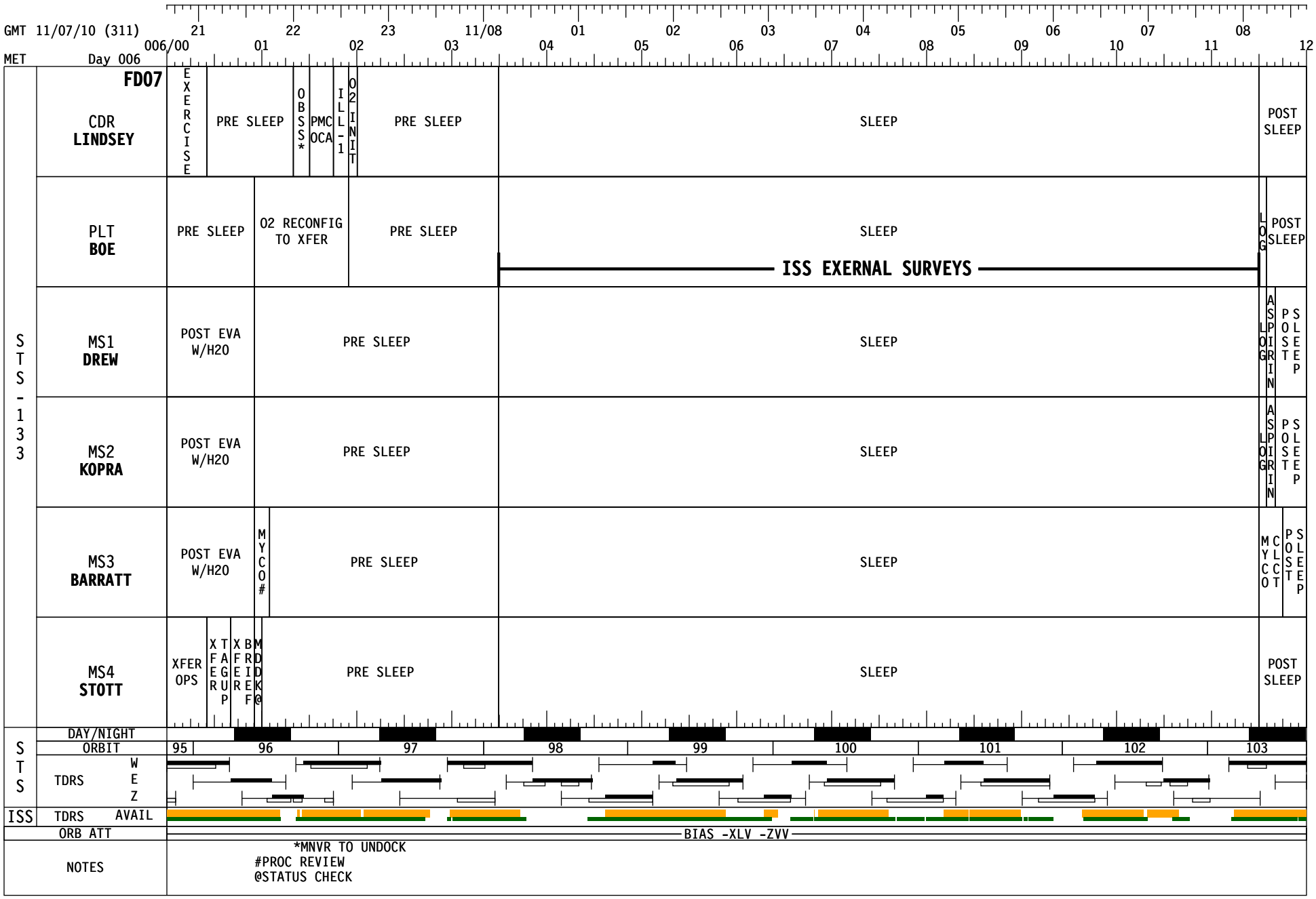
ISS		
	FD07 ISS CDR **WHEELOCK**	IMMNLQD; POST SLEEP; DPC♣; EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; ARED; DMS; MIDDAY-MEAL; CWC PT1; CWC PT2; TVIS2; CFSA PHOTO2; DMS; P-RPS; RPRS; POST EVA W/H2O
	FE-1 **KALERI**	POST SLEEP; DPC; PREP WORK; VELO; TVIS; MIDDAY-MEAL
	FE-2 **SKRIPOCHKA**	POST SLEEP; DPC; PREP WORK; MIDDAY-MEAL; TVIS; ARED
	FE-3 **S. KELLY**	BISP; POST SLEEP; DPC♣; HAMPD; TEST; P/TV-A; PMM VEST INGRS CNFG; PMM VEST CPA RMV; PMM IMV INSTL; VEST CLS INSTL; PMM INGR; MIDDAY-MEAL; ARED; GLOVE; TVIS2; IMAGE
	FE-5 **YURCHIKHIN**	POST SLEEP; DPC; PREP WORK; TVIS; MIDDAY-MEAL; VELO
	FE-6 **WALKER**	LAB CL; IMMNLQD; POST SLEEP; DPC; PREP WORK; RFTA ACS; RFTA QD CFG; RFTA CLS; ARED; SSRMS EVA 2 SUPT; MIDDAY-MEAL; CEVIS

DAY/NIGHT

ORBIT: 88 89 90 91 92 93 94 95

ALL VHF

NOTES: ♣PREP WORK


GMT 11/07/10 (311)
21 22 23 11/08 01 02 03 04 05 06 07 08
006/00 01 02 03 04 05 06 07 08 09 10 11 12
MET Day 006
FD07
STS-133
CDR LINDSEY
EXERCISE
PRE SLEEP
OBSS*
PMC OCA
ILL-1
O2 INIT
PRE SLEEP
SLEEP
POST SLEEP
PLT BOE
PRE SLEEP
O2 RECONFIG TO XFER
PRE SLEEP
SLEEP
ISS EXERNAL SURVEYS
LOG
POST SLEEP
MS1 DREW
POST EVA W/H2O
PRE SLEEP
SLEEP
LOG
ASPIRIN
POST SLEEP
MS2 KOPRA
POST EVA W/H2O
PRE SLEEP
SLEEP
LOG
ASPIRIN
POST SLEEP
MS3 BARRATT
POST EVA W/H2O
MYCO#
PRE SLEEP
SLEEP
MYCO
CLCT
POST SLEEP
MS4 STOTT
XFER OPS
XFER TAGUP
XFER BRIEF
MDDK@
PRE SLEEP
SLEEP
POST SLEEP
STS
DAY/NIGHT
ORBIT
95 96 97 98 99 100 101 102 103
TDRS
W
E
Z
ISS
TDRS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
*MNVR TO UNDOCK
#PROC REVIEW
@STATUS CHECK

GMT 11/07/10 (311) 21 22 23 11/08 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

ISS	**FD07** ISS CDR **WHEELOCK**	POST EVA W/H2O				MYCO RVW	PRE SLEEP-ISS														IMMN DRY	MYCO	MELF*
	FE-1 **KALERI**		PREP WORK		DPC	♣	PRE SLEEP-ISS															POST SLEEP	
	FE-2 **SKRIPOCHKA**		PREP WORK		DPC	♣	PRE SLEEP-ISS															POST SLEEP	
	FE-3 **S. KELLY**	IMAGE	P/TV-D	HAMPU	PREP WORK	DPC	O2 RECONFIG TO XFER			O2 INIT	PRE SLEEP-ISS										REACT	POST SLEEP	
	FE-5 **YURCHIKHIN**	VELO			PREP WORK	DPC	♣	PRE SLEEP-ISS														POST SLEEP	
	FE-6 **WALKER**	CEVIS		MYCO PREP		DPC	MYCO RVW	PRE SLEEP-ISS													IMMN DRY	MYCO	⊕

DAY/NIGHT

ORBIT 95 96 97 98 99 100 101 102 103

ALL VHF

NOTES ♣PREP WORK ⊕POST SLEE *MYCO INSER

NO UNISOLATED EXERCISE
DIRECT DEADBAND COLLAPSE

GMT 11/08/10 (312) 09 10 11 12 13 14 15 16 17 18 19 20

MET Day 006 12 13 14 15 16 17 18 19 20 21 22 23 007/00

FD08

STS-133		
CDR **LINDSEY**	POST SLEEP; PAO EVENT; VISION EXAM; XFER OPS; H/O; MNVR%; RBST CNFG 3; MNVR#; DDC; IMU; H/O*; MEAL; CREW DNLK; PMM FLAG; OFF DUTY; EXERCISE; OFF DUTY	
PLT **BOE**	POST SLEEP; PAO EVENT; N2-I; ILL-O; VISION EXAM; XFER OPS; RBST CNFG 3; PAO EVENT; N2-T; MEAL; CREW DNLK; PMM FLAG; OFF DUTY; EXERCISE; OFF DUTY; PFC OCA; OFF DUTY	
MS1 **DREW**	POST SLEEP; CWC S/U; PAO EVENT; VISION EXAM; CWC TERM; CWC#2 INIT; XFER OPS; CWC TERM; CWC XFER; MEAL; CREW DNLK; PMM FLAG; OFF DUTY; EXERCISE; OFF DUTY; PFC OCA; OFF DUTY	
MS2 **KOPRA**	POST SLEEP; PAO EVENT; VISION EXAM; XFER OPS; GLCR P/TV; HHL CHECKOUT; SAFER C/O & SWAP; SAFER XFER; MEAL; CREW DNLK; PMM FLAG; OFF DUTY; PFC OCA; OFF DUTY; EXERCISE; OFF DUTY	
MS3 **BARRATT**	POST SLEEP; AEM^; PAO EVENT; MDDK#; VISION EXAM; FILTER INSPECT; XFER OPS; ULTR SND SCN CMO; MEAL; PMM FLAG; OFF DUTY; EXERCISE; OFF DUTY; PFC OCA; OFF DUTY	
MS4 **STOTT**	POST SLEEP; XFR UPDAT; VISION EXAM; PAO EVENT; GLACIER STS XFER; GLCR CK; GLCR SMP; XFR RVW; GLACIER SAMPLE XFER; CELLS SWAP; ULTR SND SCN SBJ; GLCR CK; MEAL; GLC CNFG; PMM FLAG; OFF DUTY; PFC OCA; OFF DUTY; EXERCISE; OFF DUTY	

STS: DAY/NIGHT; ORBIT 103 104 105 106 107 108 109 110 111

TDRS W E Z

ISS: TDRS AVAIL

ORB ATT: BIAS -XLV -ZVV; REBOOST; BIAS -XLV -ZVV

NOTES: #STATUS CHECK; %REBOOST; #TEA; *TO ISS; ^STATUS CHECK

NO UNISOLATED EXERCISE
DIRECT DEADBAND COLLAPSE

GMT 11/08/10 (312): 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

MET Day 006: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 007/00

ISS TDRS AVAIL

FD08

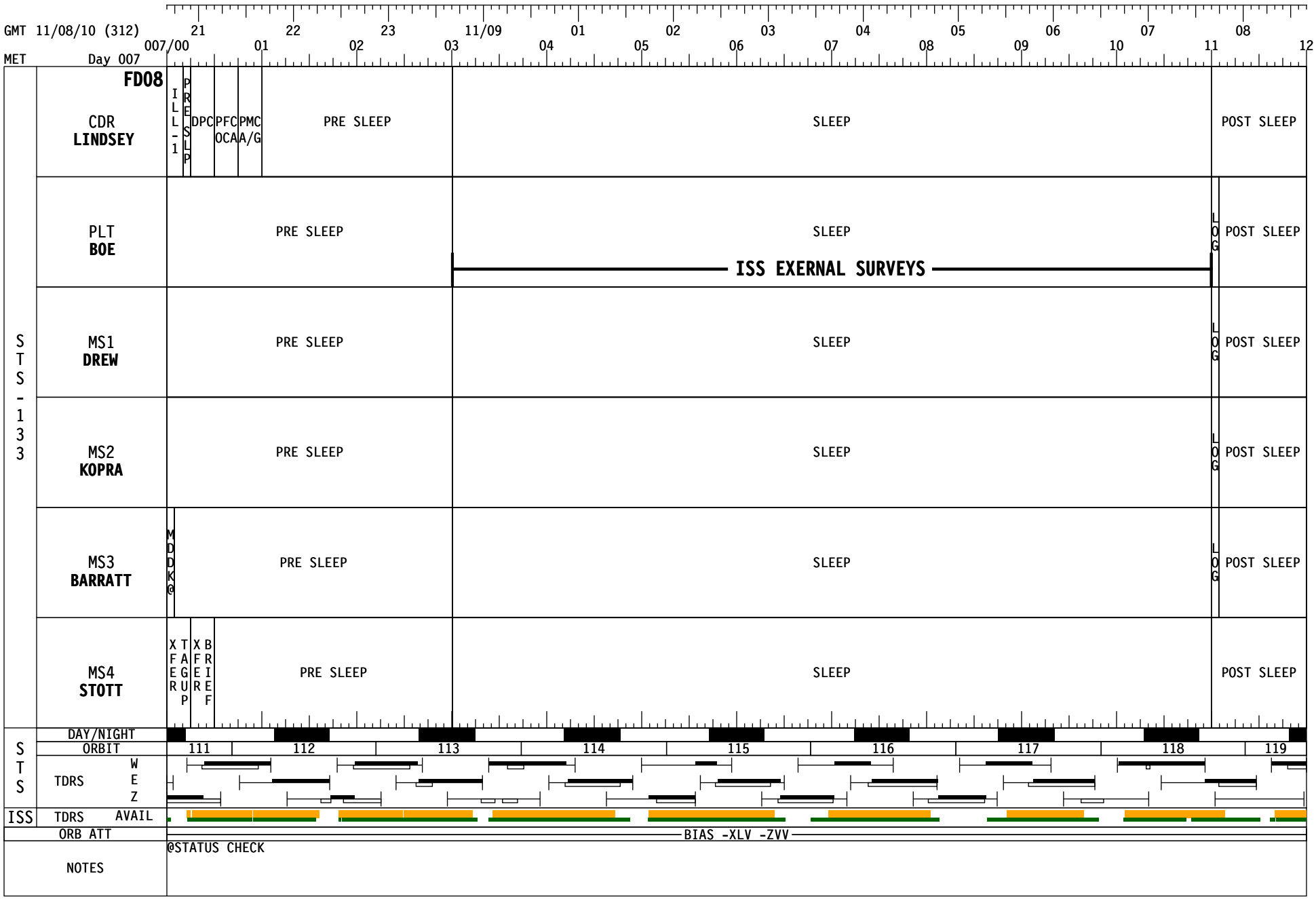
ISS	Activities (in time order)
ISS CDR **WHEELOCK**	PST SLP; DPC; PREP WORK; PAO EVENT; GLACIER ISS XFER; GLCR SMP; XFR RVW; GLACIER SAMPLE XFER; PAO EVENT; SPNL; SPNL; MIDDAY-MEAL; CREW DNLK; PMM FLAG; MICB MDS PHOTO; MELF&; SPACE BTTL STOW; ULTRA SOUND SCN SBJ; SPNL CLT; SPNL OPR; CEVIS; ARED
FE-1 **KALERI**	POST SLEEP; PREP WORK; DPC; ARED; MIDDAY-MEAL; PMM FLAG; TVIS; PREP WORK
FE-2 **SKRIPOCHKA**	POST SLEEP; PREP WORK; DPC; TVIS; VELO; MIDDAY-MEAL; PMM FLAG; PREP WORK
FE-3 **S. KELLY**	POST SLEEP; PREP WORK; DPC; CUP; S/U; PAO EVENT; EVA CAM RCFG; ULTRA SOUND S/U1; ULT SD CL; ULT SD; S/U2; PAO EVENT; MIDDAY-MEAL; CREW DNLK; PMM FLAG; ULTRA SOUND SCN CMO; ULTRA SOUND SCN SBJ; ARED EVAC; ARED; ULTRA SOUND STW; CEVIS; PREP WORK
FE-5 **YURCHIKHIN**	POST SLEEP; PREP WORK; DPC; TVIS; MIDDAY-MEAL; PMM FLAG; VELO; PREP WORK
FE-6 **WALKER**	POST SLEEP; PW; DPC; SPINAL H/W SETUP; PAO EVENT; ARED; PAO EVENT; SPNL; STND; SPNL; MIDDAY-MEAL; PMM FLAG; PAO; ULTRA SOUND SCN SBJ; ULTRA SOUND SCN CMO; ULTRA SOUND SCN CMO; SPNL OPR; SPNL CLT; H/W STOW; TVIS2; PREP WORK

DAY/NIGHT

ORBIT	103	104	105	106	107	108	109	110	111

ALL VHF

NOTES


GMT 11/08/10 (312)
21 22 23 11/09 01 02 03 04 05 06 07 08
MET Day 007
007/00 01 02 03 04 05 06 07 08 09 10 11 12
FD08
STS-133
CDR LINDSEY
ILL-1
PRESLP
DPC
PFC OCA
PMC A/G
PRE SLEEP
SLEEP
POST SLEEP
PLT BOE
PRE SLEEP
SLEEP
LOG
POST SLEEP
ISS EXERNAL SURVEYS
MS1 DREW
PRE SLEEP
SLEEP
LOG
POST SLEEP
MS2 KOPRA
PRE SLEEP
SLEEP
LOG
POST SLEEP
MS3 BARRATT
MDDK@
PRE SLEEP
SLEEP
LOG
POST SLEEP
MS4 STOTT
XFER
TAGUP
XFER
BRIEF
PRE SLEEP
SLEEP
POST SLEEP
STS
DAY/NIGHT
ORBIT
111 112 113 114 115 116 117 118 119
TDRS
W
E
Z
ISS
TDRS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
@STATUS CHECK

GMT 11/08/10 (312) 21 22 23 11/09 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

ISS	**FD08** ISS CDR **WHEELOCK**	AREA D	DPC	PRE SLEEP-ISS	SLEEP	IMMNL/QD REACT	POST SLEEP
ISS	FE-1 **S. KELLY**	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP		POST SLEEP
ISS	FE-2 **KALERI**	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP		POST SLEEP
ISS	FE-3 **SKRIPOCHKA**	PREP WORK	DPC	PRE SLEEP-ISS REACT	SLEEP		POST SLEEP
ISS	FE-5 **YURCHIKHIN**	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP		POST SLEEP
ISS	FE-6 **WALKER**	PREP WORK	DPC	PRE SLEEP-ISS	SLEEP	IMMNL/QD REACT	POST SLEEP

DAY/NIGHT									
ORBIT	111	112	113	114	115	116	117	118	119
ALL VHF									

NOTES

GMT 11/09/10 (313) 09 10 11 12 13 14 15 16 17 18 19 20

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

FD09

STS-133		
CDR **LINDSEY**	POST SLEEP	PAO EVENT; POST SLEEP; ILL-0; EXERCISE; N2 XFER TERM; PCS DCT; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; PTV05 DEACT; O2 TERM; O2 XFER TEARDOWN; FAREL WELL; EGRS HATCH CLOSE; ODS LEAK CHECK
PLT **BOE**	POST SLEEP	PAO EVENT; IMU; POST SLEEP; MCIU#; EXERCISE; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; FAREL WELL; NOM H2O CNFG; WCS#; ODS LEAK CHECK
MS1 **DREW**	POST SLEEP	PAO EVENT; POST SLEEP; EVA RECONFIG & XFER; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; EXERCISE; FAREL WELL; C/L CAMR INSTL
MS2 **KOPRA**	POST SLEEP	PAO EVENT; POST SLEEP; EVA RECONFIG & XFER; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; PTV04 SETUP; RNDZ TOOLS C/O; FAREL WELL; EGRS HATCH CLOSE; EXERCISE
MS3 **BARRATT**	POST SLEEP	PAO EVENT; XFR UPDAT; XFER OPS; EXERCISE; SSC TEAR DOWN; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; XFER TAGUP; XFER BRIEF; RNDZ TOOLS C/O; FAREL WELL; PRE SLEEP
MS4 **STOTT**	POST SLEEP; AEM*; MDDK@	PAO EVENT; EXERCISE; XFER OPS; P/TV 05 S/U; THANKS; CREW CONF; CREW PHOTO; MEAL; OFF DUTY; P/TV 08 S/U; P/TV 08 OPS; PTV08 DEACT; FAREL WELL; PTV04 DEACT; P/TV03 UNDOCK SETUP; C/L CAMR INSTL; MDDK@

STS	
DAY/NIGHT	
ORBIT	119 120 121 122 123 124 125 126 127
TDRS	W E Z
ISS TDRS AVAIL	
ORB ATT	BIAS -XLV -ZVV
NOTES	*STATUS CHECK @STATUS CHECK #FILTER CK #COMPACT STATUS CHECK@

GMT 11/09/10 (313) 09 10 11 12 13 14 15 16 17 18 19 20

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

ISS TDRS AVAIL

ISS	**FD09** ISS CDR **WHEELOCK**	POST SLEEP	DPC	PREP WORK		PAO EVENT	ARED	N2 XFER TERM	PMC		IMMN BLD SBJ	TOCA	THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL	TOCA		TVIS2	DCB RVW	DCB PACK		FARE	WELL	EGRS HATCH CLOSE	PREP WORK	DPC
	FE-1 **KALERI**	POST SLEEP	DPC	PREP WORK			TVIS	VELO		PMC			THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL							FARE	WELL		PREP WORK	DPC
	FE-2 **SKRIPOCHKA**	POST SLEEP	DPC	PREP WORK					PMC				THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL			TVIS			ARED	FARE	WELL		PREP WORK	DPC
	FE-3 **S. KELLY**	POST SLEEP	DPC	PREP WORK		PAO EVENT	TVIS2		PMC	N1 FWD STB SCRW	BLD SU	IMMN BLD OPR	THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL	CUP		IMMN BLD OPR	ARED	O2 TERM	O2 XFER TEARDOWN	FARE	WELL	EGRS HATCH CLOSE	PREP WORK	DPC
	FE-5 **YURCHIKHIN**	POST SLEEP	DPC	PREP WORK				TVIS					THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL	PMC			VELO			FARE	WELL		PREP WORK	DPC
	FE-6 **WALKER**	POST SLEEP	DPC	PREP WORK	S/U	PAO EVENT	CSA CAL	CEVIS	ARED				THANKS	CREW CONF	CREW PHOTO	MIDDAY-MEAL	SLV STOW		IMMN BLD SBJ	BLD STW	PMC	DCB RVW	DCB PACK	DCB XFR	FARE WELL	PAO	PREP WORK	DPC

DAY/NIGHT								
ORBIT	119	120	121	122	123	124	125	126	127
ALL VHF								

NOTES

GMT 11/09/10 (313) 21 22 23 11/10 01 02 03 04 05 06 07 08

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

FD09

STS-133				
CDR **LINDSEY**	PMC A/G	PRE SLEEP	SLEEP	POST SLEEP
PLT **BOE**		PRE SLEEP	SLEEP	LOG POST SLEEP
MS1 **DREW**		PRE SLEEP	SLEEP	LOG POST SLEEP
MS2 **KOPRA**	EXERCISE	PRE SLEEP	SLEEP	LOG POST SLEEP
MS3 **BARRATT**		PRE SLEEP	SLEEP	LOG POST SLEEP
MS4 **STOTT**		PRE SLEEP	SLEEP	POST SLEEP

STS		
DAY/NIGHT		
ORBIT		127 128 129 130 131 132 133 134 135
TDRS	W	
TDRS	E	
TDRS	Z	
ISS TDRS	AVAIL	
ORB ATT		BIAS -XLV -ZVV
NOTES		

GMT 11/09/10 (313) 21 22 23 11/10 01 02 03 04 05 06 07 08

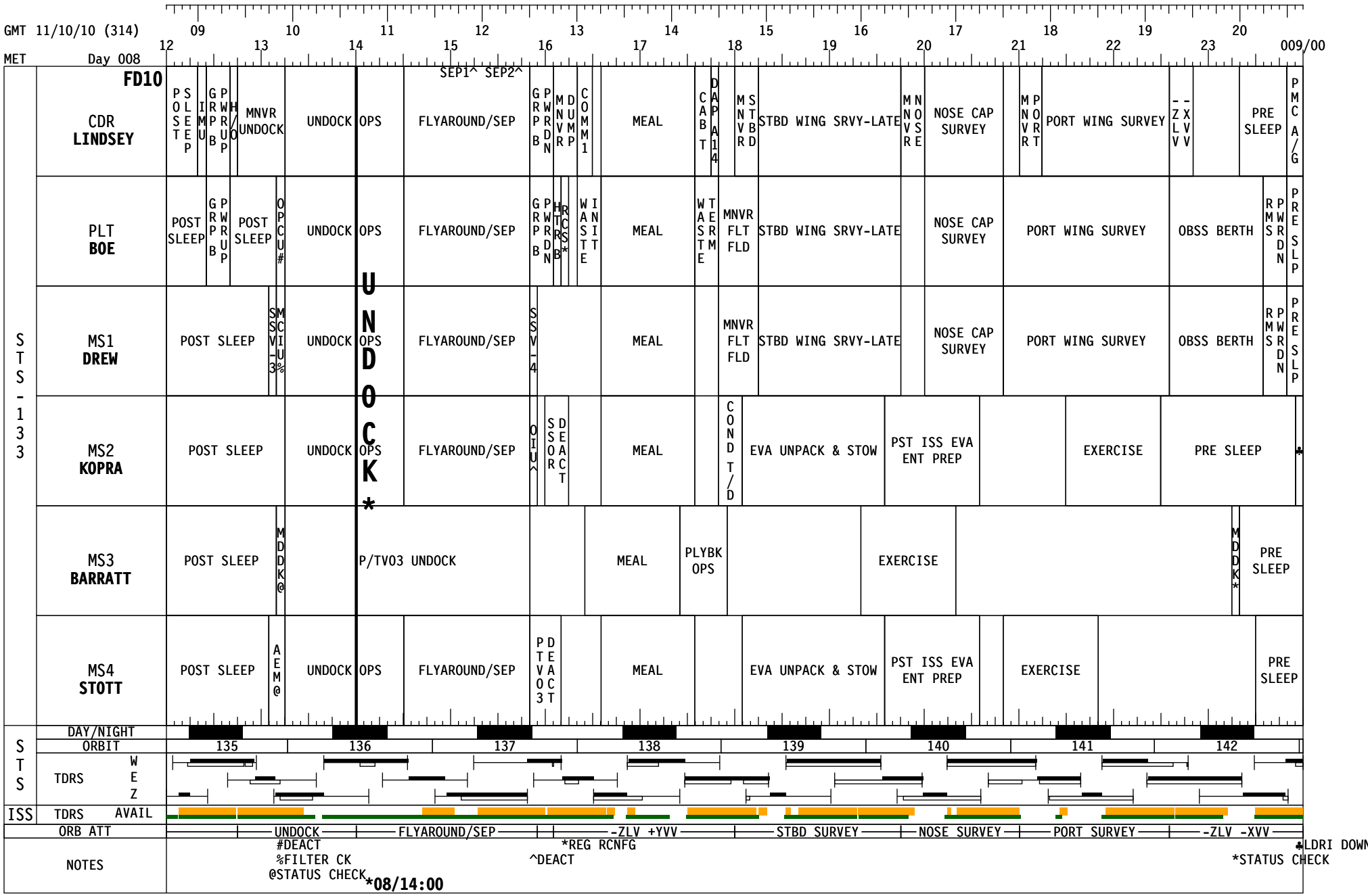
MET Day 008 008/00 01 02 03 04 05 06 07 08 09 10 11 12

ISS TDRS AVAIL

ISS	**FD09** ISS CDR **WHEELOCK**	PRE SLEEP-ISS	REACT	SLEEP	POST SLEEP
ISS	FE-1 **KALERI**	PRE SLEEP-ISS		SLEEP	POST SLEEP
ISS	FE-2 **SKRIPOCHKA**	PRE SLEEP-ISS		SLEEP	POST SLEEP
ISS	FE-3 **S. KELLY**	PRE SLEEP-ISS		SLEEP	POST SLEEP
ISS	FE-5 **YURCHIKHIN**	PRE SLEEP-ISS		SLEEP	POST SLEEP
ISS	FE-6 **WALKER**	PRE SLEEP-ISS	REACT	SLEEP	POST SLEEP

DAY/NIGHT									
ORBIT	127	128	129	130	131	132	133	134	135
ALL VHF									

NOTES


GMT 11/10/10 (314)
09 10 11 12 13 14 15 16 17 18 19 20
MET Day 008
12 13 14 15 16 17 18 19 20 21 22 23 009/00
FD10
STS-133
CDR LINDSEY
POST SLEEP
IMU
GRPB
PWRUP
H/O
MNVR UNDOCK
UNDOCK
OPS
FLYAROUND/SEP
SEP1^ SEP2^
GRPB
PWRDN
MNVR
DUMP
COMM1
MEAL
CAB T
DAP A14
MNVR
STBD
STBD WING SRVY-LATE
MNVR
NOSE
NOSE CAP SURVEY
MNVR
PORT
PORT WING SURVEY
-ZLV
-XVV
PRE SLEEP
PMC A/G
PLT BOE
POST SLEEP
GRPB
PWRUP
POST SLEEP
OPCU#
UNDOCK
OPS
FLYAROUND/SEP
GRPB
PWRDN
HTRB
RCS*
WASTE
INIT
MEAL
WASTE
TERM
MNVR FLT FLD
STBD WING SRVY-LATE
NOSE CAP SURVEY
PORT WING SURVEY
OBSS BERTH
RMS
PWRDN
PRE SLP
MS1 DREW
POST SLEEP
SSV-3
MCIU%
UNDOCK
OPS
FLYAROUND/SEP
SSV-4
MEAL
MNVR FLT FLD
STBD WING SRVY-LATE
NOSE CAP SURVEY
PORT WING SURVEY
OBSS BERTH
RMS
PWRDN
PRE SLP
MS2 KOPRA
POST SLEEP
UNDOCK
OPS
FLYAROUND/SEP
OIU^
SSOR
DEACT
MEAL
COND T/D
EVA UNPACK & STOW
PST ISS EVA ENT PREP
EXERCISE
PRE SLEEP
MS3 BARRATT
POST SLEEP
MDDK@
P/TV03 UNDOCK
MEAL
PLYBK OPS
EXERCISE
MDDK*
PRE SLEEP
MS4 STOTT
POST SLEEP
AEM@
UNDOCK
OPS
FLYAROUND/SEP
PTV03
DEACT
MEAL
EVA UNPACK & STOW
PST ISS EVA ENT PREP
EXERCISE
PRE SLEEP
STS
DAY/NIGHT
ORBIT
135 136 137 138 139 140 141 142
TDRS
W
E
Z
ISS
TDRS AVAIL
ORB ATT
UNDOCK
FLYAROUND/SEP
-ZLV +YVV
STBD SURVEY
NOSE SURVEY
PORT SURVEY
-ZLV -XVV
NOTES
#DEACT
%FILTER CK
@STATUS CHECK
*08/14:00
*REG RCNFG
^DEACT
*LDRI DOWN
*STATUS CHECK

GMT 11/10/10 (314) 09 10 11 12 13 14 15 16 17 18 19 20 009/00

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

ISS TDRS AVAIL

ISS	FD10 ISS CDR **WHEELOCK**	PREP WORK	DPC	CDM S/U		PMA2	SETUP		PMA2 DPRT	PMA2 DEPRS PT1		PMA1 PT2		PMA2 PT3	AUDIO		MIDDAY-MEAL	IMMN	SRVY		HRNS S/U	TVIS2	HRNS D/L	HRNS SRY	ARED		CDM D/L	PREP WORK
	FE-1 **KALERI**	PREP WORK	DPC					U									MIDDAY-MEAL									ARED	TVIS		PREP WORK
	FE-2 **SKRIPOCHKA**	PREP WORK	DPC					N D O		TVIS			VELO				MIDDAY-MEAL												PREP WORK
	FE-3 **S. KELLY**	PREP WORK	DPC	N1 NAD AFT SCRW				C K *	UNDK BKWY		N1 FWD PRT SCRW			CEVIS			MIDDAY-MEAL	PLCK	PMA1-N1 IMV SCRN-INS						ARED			*
	FE-5 **YURCHIKHIN**	PREP WORK	DPC									ARED		TVIS			MIDDAY-MEAL												PREP WORK
	FE-6 **WALKER**	PREP WORK	DPC	N3 STB RING INST	N3 NAD RING INST				PMA2 DPRT					ARED			MIDDAY-MEAL	BPSMU STOW	IMMN	SRVY		IMAK UNPACK		MED KIT		CEVIS	⊕	PREP WORK

DAY/NIGHT								
ORBIT	135	136	137	138	139	140	141	142
ALL VHF								

NOTES

*08/14:00

♣PREP WORK
⊕CMS-T2 SNBBR-INS

GMT 11/10/10 (314) 21 22 23 11/11 01 02 03 04 05 06 07 08

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

FD10

STS-133					
CDR **LINDSEY**	PMCA/G	PRE SLEEP	SLEEP		POST SLEEP
PLT **BOE**		PRE SLP	SLEEP	LOG	POST SLEEP
MS1 **DREW**		PRE SLP	SLEEP	LOG	POST SLEEP
MS2 **KOPRA**		LDRI DOWNLINK / PRE SLEEP	SLEEP	LOG	POST SLEEP
MS3 **BARRATT**		PRE SLEEP / OCA@ / PRE SLEEP	SLEEP	LOG	POST SLEEP
MS4 **STOTT**		PRE SLEEP	SLEEP		POST SLEEP

STS		
DAY/NIGHT		
ORBIT		143 144 145 146 147 148 149 150
TDRS	W	
	E	
	Z	
ISS TDRS AVAIL		
ORB ATT		-ZLV -XVV
NOTES		@RATE RECONFIG

GMT 11/10/10 (314) 21 22 23 11/11 01 02 03 04 05 06 07 08

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

ISS TDRS AVAIL

ISS	**FD10** ISS CDR **WHEELOCK**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP
ISS	FE-1 **KALERI**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP
ISS	FE-2 **SKRIPOCHKA**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP
ISS	FE-3 **S. KELLY**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP
ISS	FE-5 **YURCHIKHIN**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP
ISS	FE-6 **WALKER**	PREP / WORK	DPC	PRE SLEEP - ISS	SLEEP

DAY/NIGHT								
ORBIT	143	144	145	146	147	148	149	150
ALL VHF								
NOTES								

GMT 11/11/10 (315) 09 10 11 12 13 14 15 16 17 18 19 20

MET Day 009 12 13 14 15 16 17 18 19 20 21 22 23 010/00

STS-133

FD11 CDR LINDSEY	POST SLEEP	W/B*	POST SLEEP	FCS C/O	RCS HOT	FIRE	PILOT OPS	CABIN STOW	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF	MNVR DUMP	WASTE	INITIU	L-1 COMM CHK	EXERCISE		-ZLV -XVV		SSV DEACT		L-1 COMM CHK	COMM 2	ENTRY*	KU STOW	PRE SLEEP
PLT BOE	POST SLEEP			FCS C/O	RCS HOT	FIRE	PILOT OPS	CABIN STOW	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF	EXERCISE		WASTE TERM	COND INIT	CABIN STOW	COND TERM		CABIN STOW				MADS@	KU STOW	PRE SLEEP
MS1 DREW	POST SLEEP			CABIN STOW			EXERCISE	CABIN STOW	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF	CABIN STOW													PRE SLEEP
MS2 KOPRA	POST SLEEP			FCS C/O	RCS HOT	FIRE	PILOT OPS	CABIN STOW	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF		EXERCISE			CABIN STOW									PRE SLEEP
MS3 BARRATT	POST SLEEP	OCA^	FILTER CLEANING	POST SLEEP	MDK#	WLES	EXERCISE	CABIN STOW	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF	CABIN STOW					ERG STOW		WLES DEACT		PGSC STOW PART I		MDK#		PRE SLEEP
MS4 STOTT	POST SLEEP			FCS C/O P/TV	AEM@	EXERCISE		CABIN STOW	PAO SETUP	PAO EVENT	MEAL	TRIBUTE	D/O BRIEF	ENTRY SIDT EUOP	CABIN STOW			ERG STOW	CABIN STOW							PRE SLEEP

DAY/NIGHT

ORBIT 151 152 153 154 155 156 157 158

TDRS W E Z

ORB ATT -ZLV -XVV | BIAS -ZLV -YVV | -ZLV -XVV

GND — MLA — DFR — WSS — DFR — WSS

NOTES
*HEATER ACT #STATUS CHECK
^RATE DECONFIG @STATUS CHECK
*COOLING CNFG #STATUS CHECK
@POWER ON

GMT 11/11/10 (315) 21 22 23 11/12 01 02 03 04 05 06 07 08

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

FD11

STS-133						
CDR **LINDSEY**	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP		POST SLEEP
PLT **BOE**	PRE SLEEP			SLEEP	LOG	POST SLEEP
MS1 **DREW**	PRE SLEEP			SLEEP	LOG	POST SLEEP
MS2 **KOPRA**	PRE SLEEP			SLEEP	LOG	POST SLEEP
MS3 **BARRATT**	PRE SLEEP			SLEEP	LOG	POST SLEEP
MS4 **STOTT**	PRE SLEEP			SLEEP		POST SLEEP

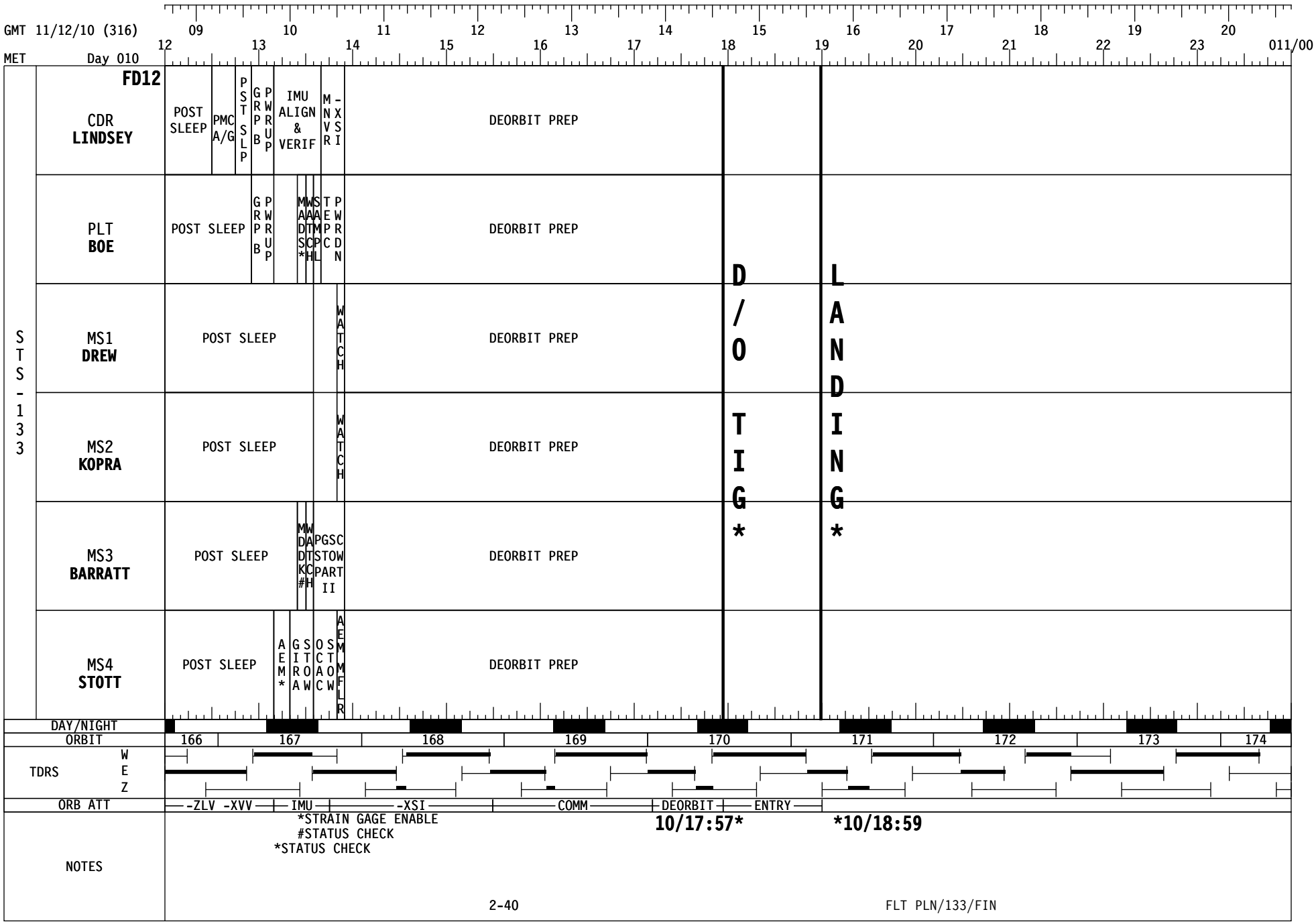
DAY/NIGHT

ORBIT 158 159 160 161 162 163 164 165 166

TDRS W E Z

ORB ATT -ZLV -XVV

NOTES


GMT 11/12/10 (316)
MET Day 010
09 10 11 12 13 14 15 16 17 18 19 20
12 13 14 15 16 17 18 19 20 21 22 23 011/00
FD12
STS-133
CDR LINDSEY
POST SLEEP
PMC A/G
PST SLP
GRPB
PWRUP
IMU ALIGN & VERIF
MNVR
-XSI
DEORBIT PREP
PLT BOE
POST SLEEP
GRPB
PWRUP
MADS*
WSAMCH
STEPC
PWRDN
DEORBIT PREP
MS1 DREW
POST SLEEP
WATCH
DEORBIT PREP
MS2 KOPRA
POST SLEEP
WATCH
DEORBIT PREP
MS3 BARRATT
POST SLEEP
MDDK#
WATCH
PGSC STOW PART II
DEORBIT PREP
MS4 STOTT
POST SLEEP
AEM*
GIRA
STOW
OCAC
STOW
AEM MFLR
DEORBIT PREP
D/O TIG*
LANDING*
DAY/NIGHT
ORBIT
166 167 168 169 170 171 172 173 174
TDRS
W
E
Z
ORB ATT
-ZLV -XVV
IMU
-XSI
COMM
DEORBIT
ENTRY
NOTES
*STRAIN GAGE ENABLE
#STATUS CHECK
*STATUS CHECK
10/17:57*
*10/18:59

DETAILED TIMELINE

DETAILED TIMELINE

STS-133 FD (01)

GMT Date 11/01 (305) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

THE ACTIVITIES PRIOR TO 0/02:30 ARE IN THE ASCENT AND POST INSERTION CHECKLISTS.
THE ORBITER SHOULD BE IN A -ZLV -XVV 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 vlvs (two) - CL
LAMP TEST (ORB OPS, EPS)
SMOKE 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
DATE/TIME SET (PHOTO/TV, D2Xs and D3s)

00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 21:00 | 22:00 | 23:00 | 00:00

ASC | OMS2 | -ZLV -XVV | NC1

6 1 | 7 2 | 8 3

A Steps 2,5,6(Single G2), & 12
(In Step 12, IMU 3 STBY-ITEM 23 EXEC)

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
STS-133 DAP A(B) CONFIGURATIONS
(ORB OPS, DAP TABLES)
AFT CONTROLLER C/O
(ORB OPS, GNC)
ELEVON PARK
(ORB OPS, GNC)
ON-ORBIT OMS BURN
(ORB OPS, OMS)
< NC1 TIG (03:34)
MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A1/AUTO/VERN Init TRK
PRIORITY PWRDN GRP B(ORB PKT,PRIOR PWRDN) A

ON-ORBIT INITIALIZATION
(PDRS, ON-ORBIT INIT)
TISSUE EQUIVALENT PROPORTIONAL COUNTER (TEPC)
(ORB OPS, CREW SYSTEMS)
Power On
APU FD1 RECONFIGS
R2 BLR PWR(three) - OFF
A12 APU HTR GG/FU PMP(three) - A AUTO
ON-ORBIT OMS BURN
(ORB OPS, OMS)
RMS PWRUP
(PDRS, RMS PWRUP)
PRIORITY PWRDN GRP B(ORB PKT,PRIOR PWRDN) A

SSP OIU PWR - OIU 1 ON (tb-UP)
On MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON
PGSC ACT
OCA SETUP
PGSC HARD DISK LATE UPDATE if req'd
PGSC NETWORK (A. SETUP)
WINDECOM OPS (A. ACT)
WORLDMAP INITIALIZATION
(ORB OPS, PGSC)
COLOR PRINTER UNSTOW & ASSEMBLE
COLOR PRINTER WARMUP & SELF-TEST
On MCC GO: A15 APCU 1 CONV - OFF
OUTPUT - OFF
SSP1 OIU PWR - OFF (tb-bp)
RMS PWRUP
(PDRS, RMS PWRUP)

UPDATE β21+MASK
UPDATE ORBITAL MNVR PAD
UPDATE TFL 199
PMM ENVRNMT CHECK
UPDATE TFL 188

STS-133 FD (01)

GMT Date 11/01 (305) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT | MS2 KOPRA | MS3 BARRATT | MS4 STOTT | NOTES

21:00
22:00
23:00
00:00

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

6 1
7 2
8 3

ASC
OMS2
-ZLV
-XVV
NC1

POST INSERTION

POST INSERTION

POST INSERTION

OCAC SETUP
(ORB OPS, CREW SYS)

GIRA INSTALLATION
(ORB OPS, ECLS)

SHUTTLE EMER EYEWASH (SEE)
After GIRA INSTALL, unstow and fill one drink container, label "FOR EYE RINSE ONLY." Attach on or near galley.

PGSC ACT
OCA SETUP
PGSC HARD DISK LATE UPDATE if req'd
PGSC NETWORK (A. SETUP)
WINDECOM OPS (A. ACT)
WORLDMAP INITIALIZATION
(ORB OPS, PGSC)
COLOR PRINTER UNSTOW & ASSEMBLE
COLOR PRINTER WARMUP & SELF-TEST

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

STS-133 FD (01)

GMT Date 11/02 (306) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATI | CDR LINDSEY | PLT BOE | MS1 DREW | NOTES

CDR LINDSEY

- PRIORITY PWRDN GRP B(ORB PKT,PRIOR PWRDN) [A]
- INSTALL BLEED ORIFICE [B]
- O6 √UHF MODE - OFF
- L9 PAYLOAD STATION A/G (two) - OFF
- PRIVATE MEDICAL CONFERENCE
  Perform via A/G2
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- SLEEP

PLT BOE

- PRIORITY PWRDN GRP B(ORB PKT,PRIOR PWRDN) [A]
- RMS CHECKOUT
  (PDRS, RMS C/O)
- RMS PWRDN (PDRS, RMS PWRDN)
  Step 1 Only
- DON ACTIWATCH (ORB OPS, SDBI)
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- SLEEP

MS1 DREW

- RMS CHECKOUT
  (PDRS, RMS C/O)
- RMS PWRDN (PDRS, RMS PWRDN)
  Step 1 Only
- DON ACTIWATCH (ORB OPS, SDBI)
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- SLEEP

[A] Steps 2,5,6(Single G2), & 12
(In Step 12, IMU 3 STBY-ITEM 23 EXEC)

[B] MO69M Insert Bleed Orifice Assembly into LEH O2 8 QD
LEH O2 8 vlv-OP

Time scale: 01:00, 02:00, 03:00, 04:00; 04:00, 05:00, 06:00, 07:00, 08:00

STS-133 FD (01)

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MS2 KOPRA

- SHUTTLE EMER EYEWASH (SEE)
  After GIRA INSTALL, unstow and fill one drink container, label "FOR EYE RINSE ONLY." Attach on or near galley.
- DON ACTIWATCH (ORB OPS, SDBI)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- HD DIGITAL VIA CC (CUE CARD, DIGITAL PLAYBACK)
  ET HANDHELD VIDEO D/L
  KU TDRE: 04:32-04:53
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- SLEEP

MS3 BARRATT

- PGSC SETUP (PART I)
  See Page 3-3 for steps
- IMAGE FILE TRANSFER (PHOTO/TV, D2XS) D
- WLES ACTIVATION AND CHECKOUT (ORB OPS, WLE SENSORS)
- DON ACTIWATCH (ORB OPS, SDBI)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- SLEEP

MS4 STOTT

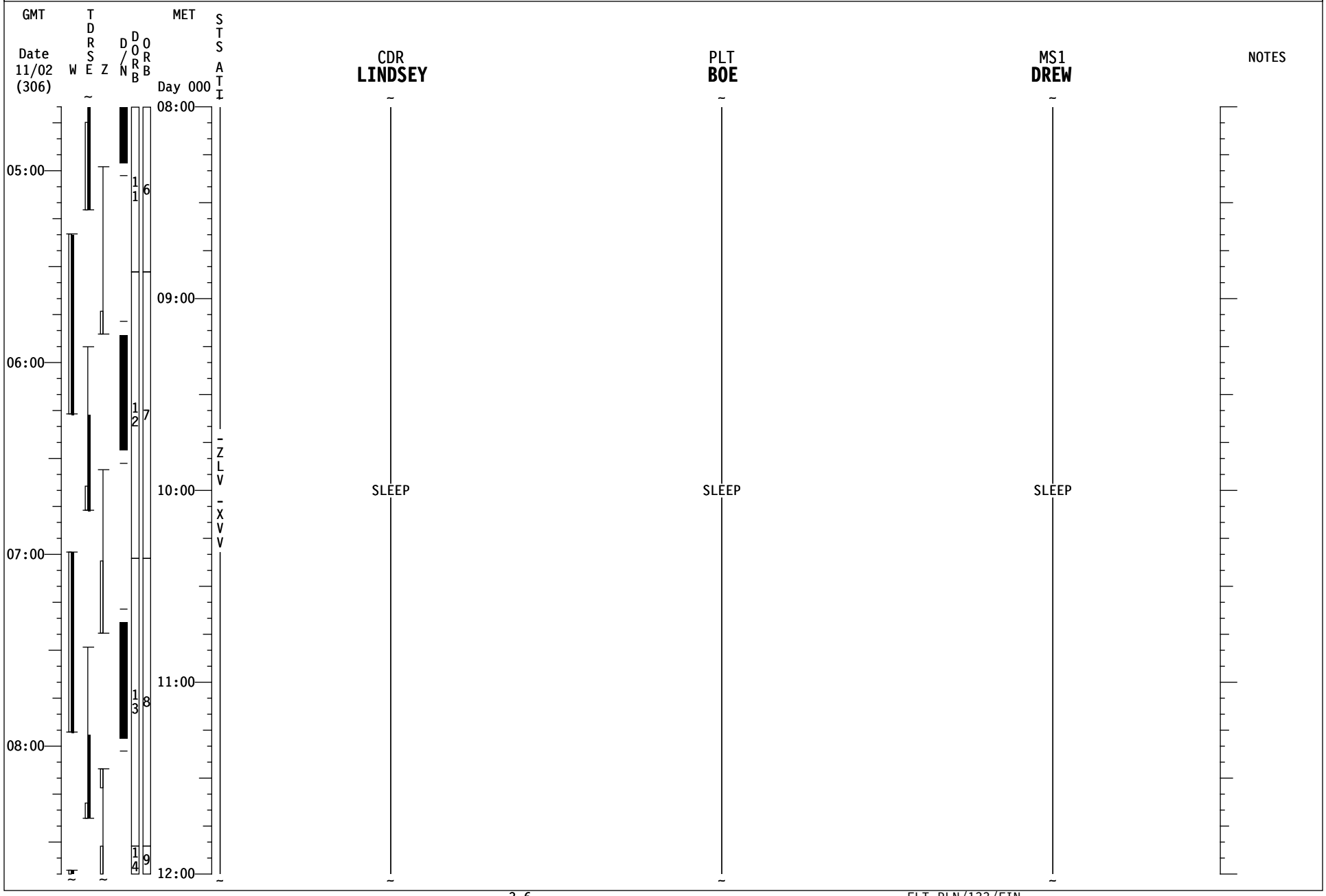
- P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)
- GLACIER STATUS CK (Cue Card) - MA16F/G
- CGBA STATUS CK (Cue Card)
- AEM MUFFLER INSTALL C
- AEM CHECK (CUE CARD)
- UMBILICAL WELL TPS CAMERA
- IMAGERY DOWNLOADING (ORB OPS, PGSC)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- SLEEP

NOTES

C Unstow mufflers from MF430, attach to faceplate at Velcro tabs on AEM Unit #1 (MF71K), and repeat for AEM Unit #2 (MF43K)

D Perform DCS FILE TO HARD DRIVE for ET HANDHELD PHOTO

STS-133 FD (01)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-XVV
CDR
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MS1
DREW
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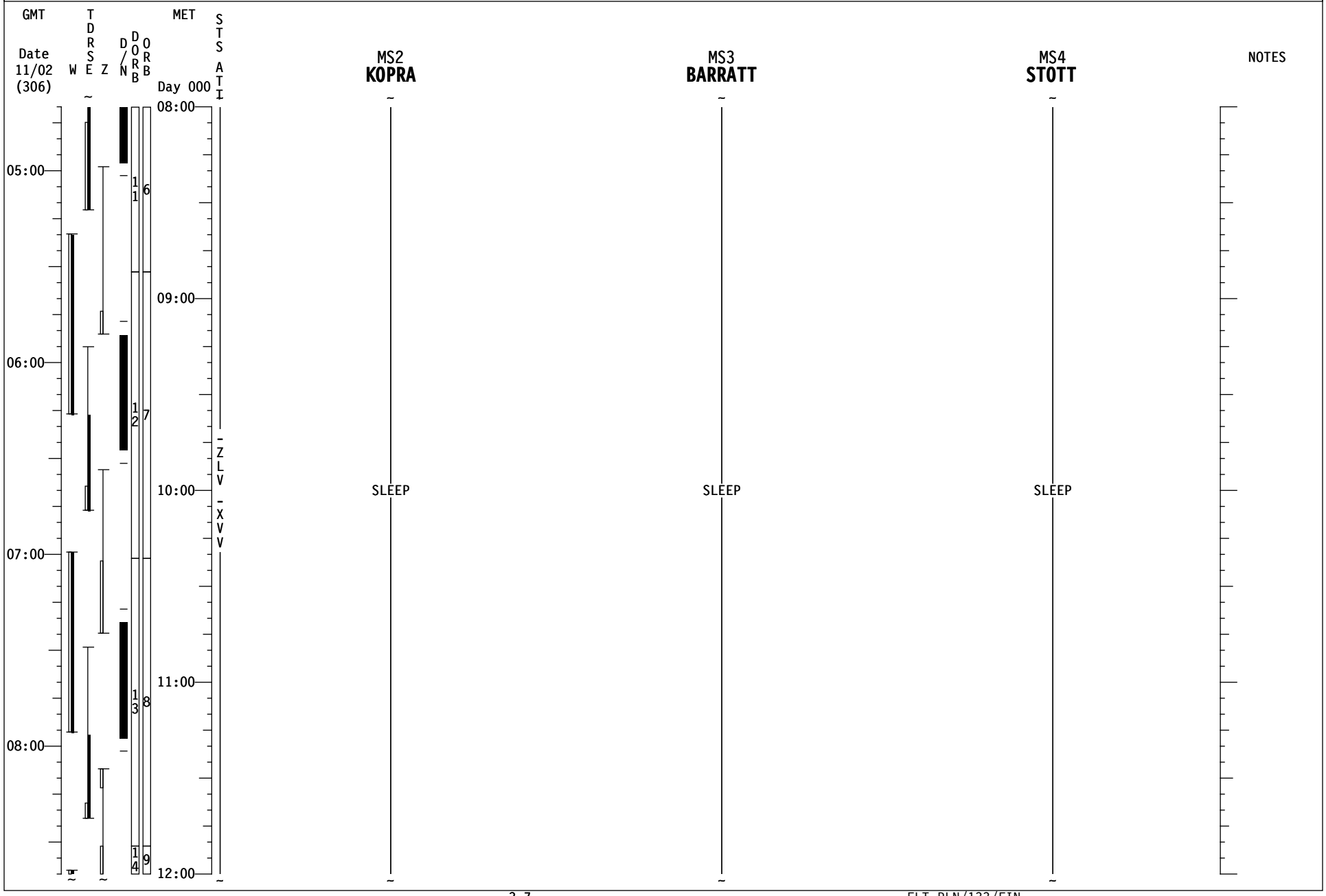
SLEEP
SLEEP
NOTES

STS-133 FD (01)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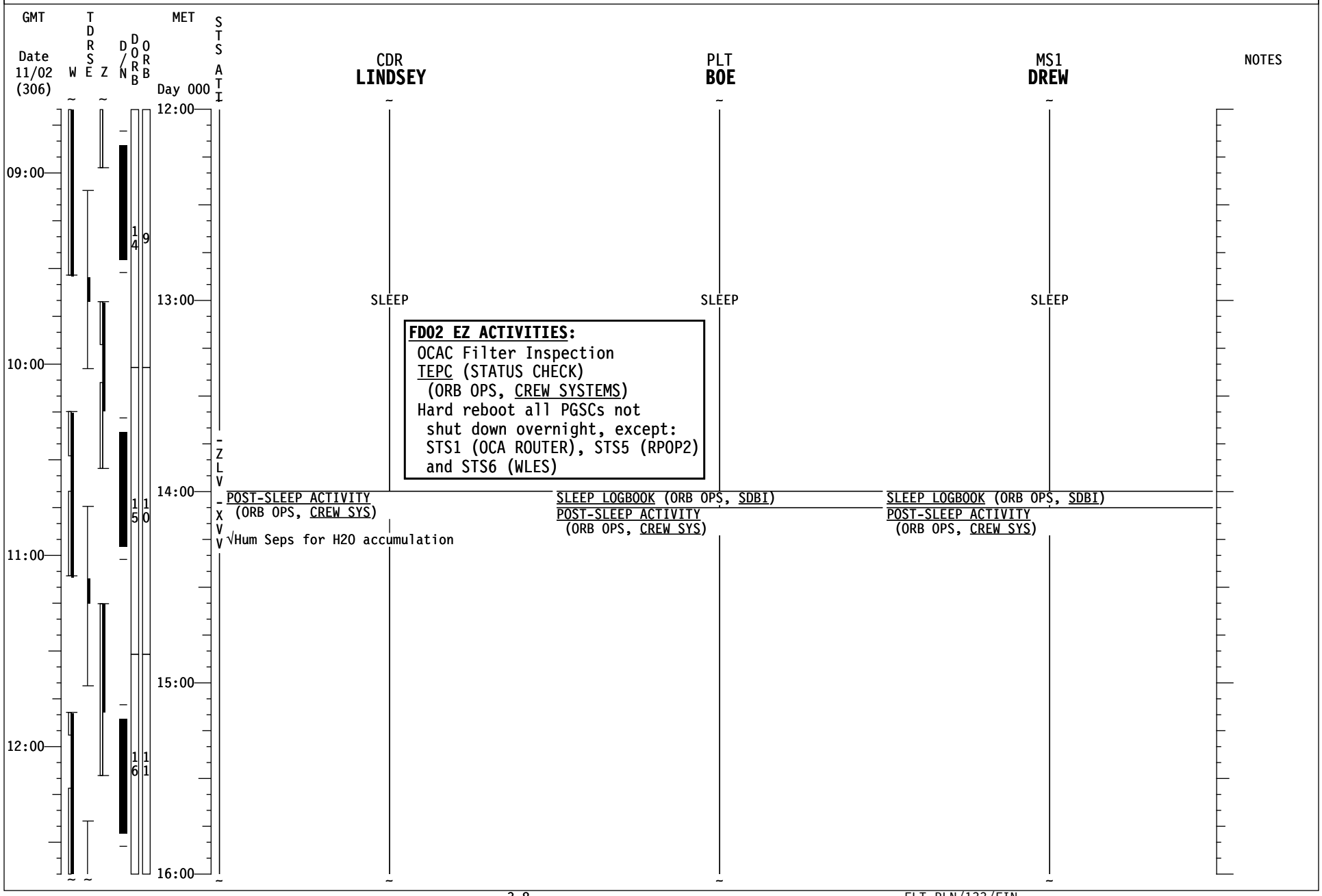
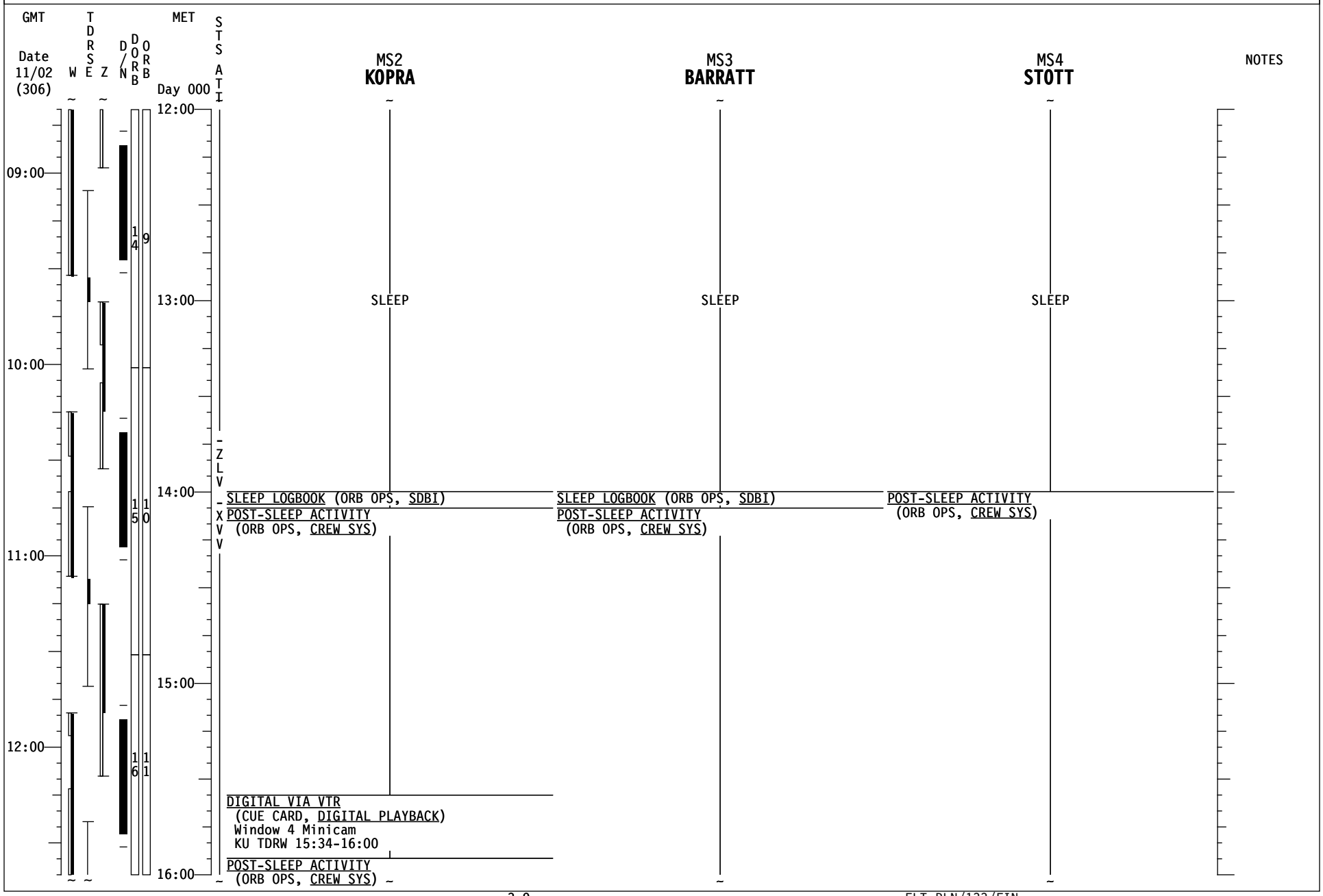
-ZLV
-XVV
MS2
KOPRA
SLEEP
MS3
BARRATT
SLEEP
MS4
STOTT
SLEEP
NOTES

STS-133 FD (02)



FD02 EZ ACTIVITIES:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

STS-133 FD (02)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STS ATI
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
NOTES
09:00
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15:00
16:00
14
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16
11
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK) Window 4 Minicam KU TDRW 15:34-16:00
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-133 FD (02)

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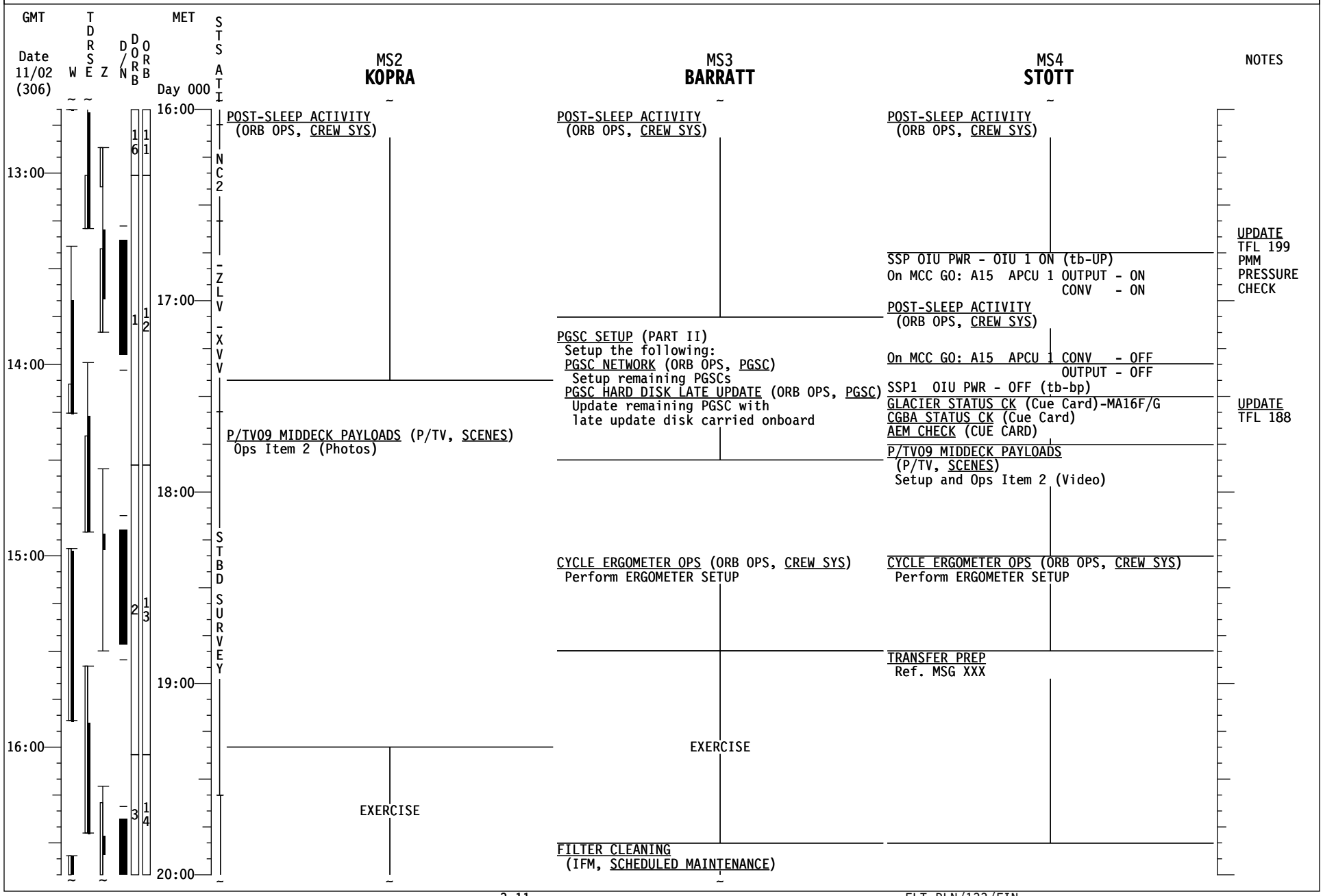
CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPDATE ORBITAL MNVR PAD
ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)		
< NC2 TIG (16:33)		L17 Check MCIU filter screen	
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	OBSS UNBERTH (PDRS, OBSS OPS) Prior to Step 3: SM 179 POWER TRANSFER √PTU 2 APCU OUTVOLTS: <10V OUTPUT - OFF Verify MNVR Complete prior to performing Step 5	OBSS UNBERTH (PDRS, OBSS OPS) Prior to Step 3: SM 179 POWER TRANSFER √PTU 2 APCU OUTVOLTS: <10V OUTPUT - OFF Verify MNVR Complete prior to performing Step 5	
IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)			
RCS/OMS POD HTR RECONFIG A			
R2 BLR CNTLR/HTR (three) - B			
FC PURGE - MANUAL (ORB OPS, EPS)			
CRYO 02 TK HTR SNSR CK (ORB OPS, EPS) Tank 1-4 Only			
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=310 A14/AUTO/VERN, OBSS UNBERTH cmplt, Init TRK			
OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	
MNVR (TRK) BIAS +XSI (Nose Cap) TG=4 BV=5 P=330 Y=0 OM=340 A14/AUTO/VERN,RCC SRVY-STBD cmplt,Init TRK			
OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	

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

STS-133 FD (02)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16:00
NC2
-ZLV
-XVV
STBD SURVEY
MS2
KOPRA
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
P/TV09 MIDDECK PAYLOADS (P/TV, SCENES)
Ops Item 2 (Photos)
EXERCISE
MS3
BARRATT
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PGSC SETUP (PART II)
Setup the following:
PGSC NETWORK (ORB OPS, PGSC)
Setup remaining PGSCs
PGSC HARD DISK LATE UPDATE (ORB OPS, PGSC)
Update remaining PGSC with
late update disk carried onboard
CYCLE ERGOMETER OPS (ORB OPS, CREW SYS)
Perform ERGOMETER SETUP
EXERCISE
FILTER CLEANING
(IFM, SCHEDULED MAINTENANCE)
MS4
STOTT
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SSP OIU PWR - OIU 1 ON (tb-UP)
On MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
On MCC GO: A15 APCU 1 CONV - OFF
OUTPUT - OFF
SSP1 OIU PWR - OFF (tb-bp)
GLACIER STATUS CK (Cue Card)-MA16F/G
CGBA STATUS CK (Cue Card)
AEM CHECK (CUE CARD)
P/TV09 MIDDECK PAYLOADS
(P/TV, SCENES)
Setup and Ops Item 2 (Video)
CYCLE ERGOMETER OPS (ORB OPS, CREW SYS)
Perform ERGOMETER SETUP
TRANSFER PREP
Ref. MSG XXX
NOTES
UPDATE
TFL 199
PMM
PRESSURE
CHECK
UPDATE
TFL 188

STS-133 FD (02)

GMT Date 11/02 (306) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATI | CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

17:00 18:00 19:00 20:00

3 1 4 4 1 5 5 1 6 6

20:00 21:00 22:00 23:00 00:00

NOSE SURVEY

PORT SURVEY

CDR LINDSEY

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

MEAL

MNVR TRK BIAS -YSI (Port Survey)
TG=4 BV=5 P=0 Y=323 OM=160
A14/AUTO/VERN,RCC SRVY-PORT Step 3 cmplt, Init TRK

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

B TG=2 BV=3 OM=0
A14/AUTO/VERN,RCC SRVY-PORT
Step 15 cmplt,Init TRK

MNVR (TRK) -ZLV -XVV B

OBSS BERTH
(PDRS, OBSS OPS)

PLT BOE

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

MEAL

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

OBSS BERTH
(PDRS, OBSS OPS)

MS1 DREW

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

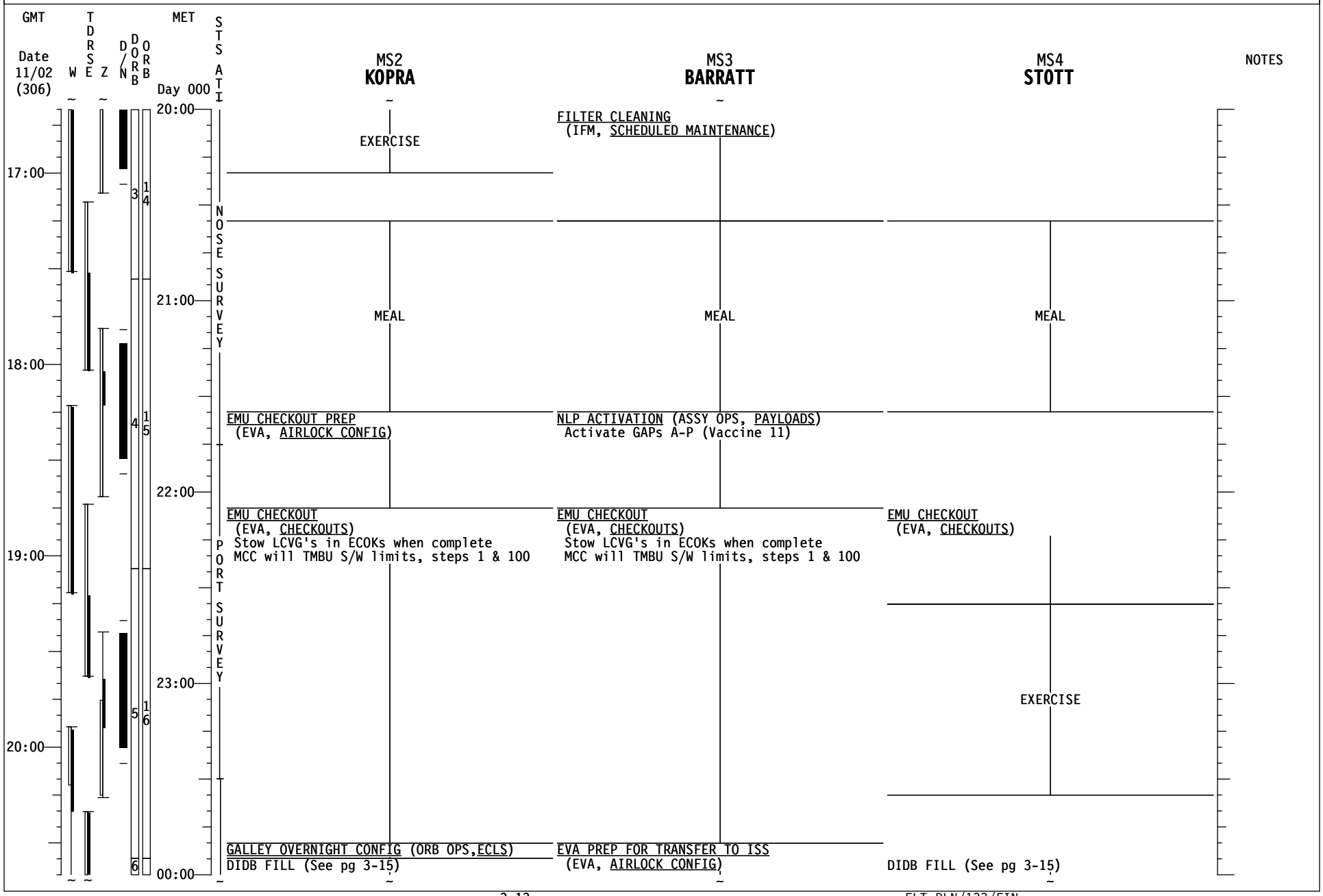
MEAL

EMU CHECKOUT PREP
(EVA, AIRLOCK CONFIG)

EMU CHECKOUT
(EVA, CHECKOUTS)
Stow LCVG's in ECOKs when complete
MCC will TMBU S/W limits, steps 1 & 100

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)

STS-133 FD (02)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MS3 BARRATT
MS4 STOTT
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NOSE SURVEY
PORT SURVEY
EXERCISE
MEAL
EMU CHECKOUT PREP
(EVA, AIRLOCK CONFIG)
EMU CHECKOUT
(EVA, CHECKOUTS)
Stow LCVG's in ECOKs when complete
MCC will TMBU S/W limits, steps 1 & 100
GALLEY OVERNIGHT CONFIG (ORB OPS,ECLS)
DIDB FILL (See pg 3-15)
FILTER CLEANING
(IFM, SCHEDULED MAINTENANCE)
MEAL
NLP ACTIVATION (ASSY OPS, PAYLOADS)
Activate GAPs A-P (Vaccine 11)
EMU CHECKOUT
(EVA, CHECKOUTS)
Stow LCVG's in ECOKs when complete
MCC will TMBU S/W limits, steps 1 & 100
EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)
MEAL
EMU CHECKOUT
(EVA, CHECKOUTS)
EXERCISE
DIDB FILL (See pg 3-15)

STS-133 FD (02)

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21:00 | 22:00 | 23:00 | 00:00

6 | 17 | 7 | 18 | 8 | 19

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

-ZLV -XVV | NC3 | -ZLV -XVV

CDR LINDSEY

OBSS BERTH
(PDRS, OBSS OPS)

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

DIGITAL VIA VTR
(CUE CARD, DIGITAL PLAYBACK)
LDRI SURVEYS
KU TDRZ (01:04-01:11)
KU TDRE (01:20-02:18)

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

< NC3 TIG (02:24)

MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A1/AUTO/VERN Init TRK

FUTURE LOADED MNVR E
PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLT BOE

OBSS BERTH
(PDRS, OBSS OPS)

O2 REPRESS INIT C

FC MONITORING SYS (FCMS) OPS
(ORB OPS, EPS)

O2 REPRESS TERM (On MCC GO) D

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

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

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 DREW

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)

EXERCISE

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

C OCAC PWR - OFF
C5 DIRECT O2 vlv - OP

D C5 DIRECT O2 vlv - CL
OCAC PWR - ON

E TG=2 BV=3 OM=270
A1/AUTO/VERN (13:15), Init TRK

STS-133 FD (02)

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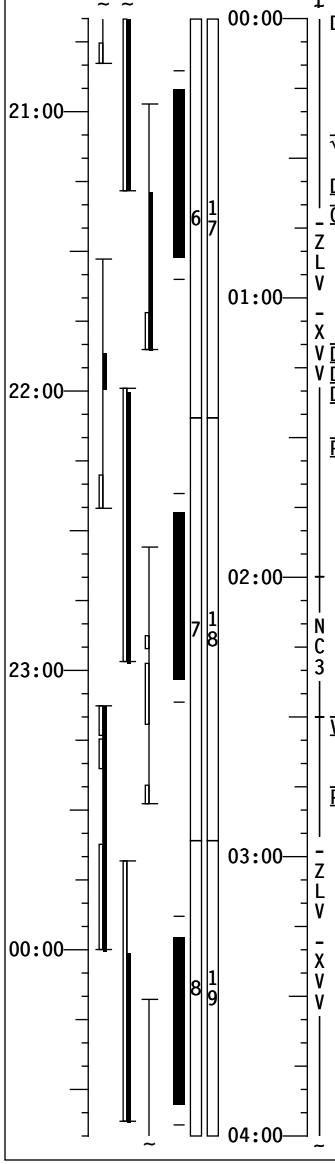


MS2 KOPRA

DIDB FILL
Use DIDBs from A/L Floor Bag
Fill 4 DIDBs from Galley
Remove gas
When filled, stow 2 each in crew specific ECOKs
Dispose of fill tool in wet trash

√All EVA drink bag fills complete
THEN: GALLEY MORNING CONFIG (ORB OPS, ECLS)

DOCKING MECH INITIALIZATION (RNDZ, APDS)

C/L CAMR INSTALL
(P/TV, C/L CAMR)
Setup & Align C/L Camera

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

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 BARRATT

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES)
OMS POD SURVEY. Setup, Perform Step 1
OPS, Perform Item 1
BEST LIGHTING: (02:22-03:06)

RECONFIGURE OCA RATE F

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 STOTT

DIDB FILL
Use DIDBs from A/L Floor Bag
Fill 4 DIDBs from Galley
Remove gas
When filled, stow 2 each in crew specific ECOKs
Dispose of fill tool in wet trash

DOCKING MECH INITIALIZATION
(RNDZ, APDS)

C/L CAMR INSTALL
(P/TV, C/L CAMR)
Setup & Align C/L Camera

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

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire
GLACIER STATUS CK (Cue Card)-MA16F/G
CGBA STATUS CK (Cue Card)
P/TV09 MIDDECK PAYLOADS
(PHOTO/TV, SCENES)
Setup & Ops Item 1 (During Stat Ck)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

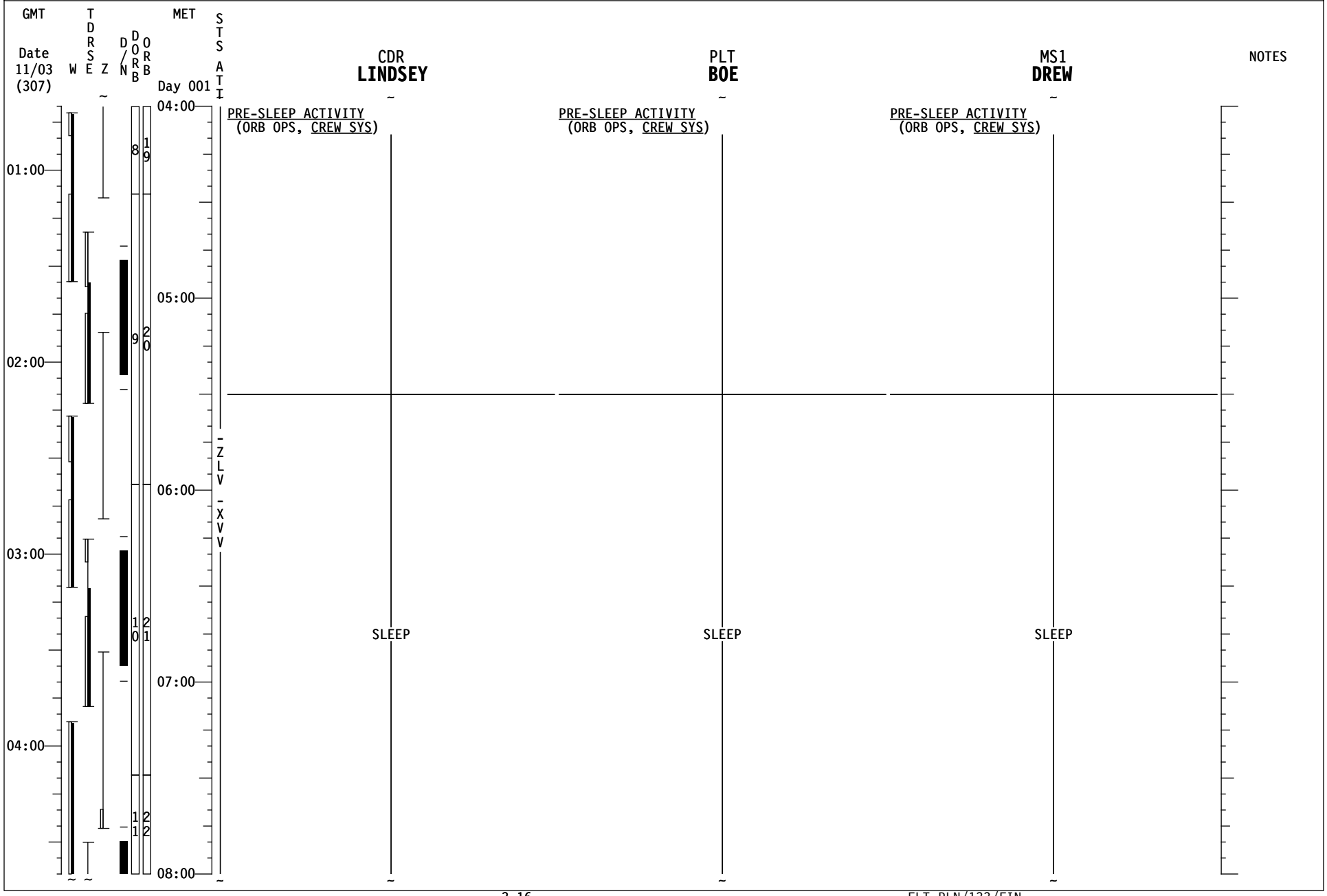
F After LDRI PLAYBACK Complete
L10(MUX) √MUX/VTR/CC PWR - ON (LED ON)
RECONFIGURE OCA DOWNLINK RATE
(ORB OPS, PGSC) Perform Part C

NOTES

UPDATE TFL 192

UPDATE TFL 188

STS-133 FD (02)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PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
-ZLV
-XVV
SLEEP
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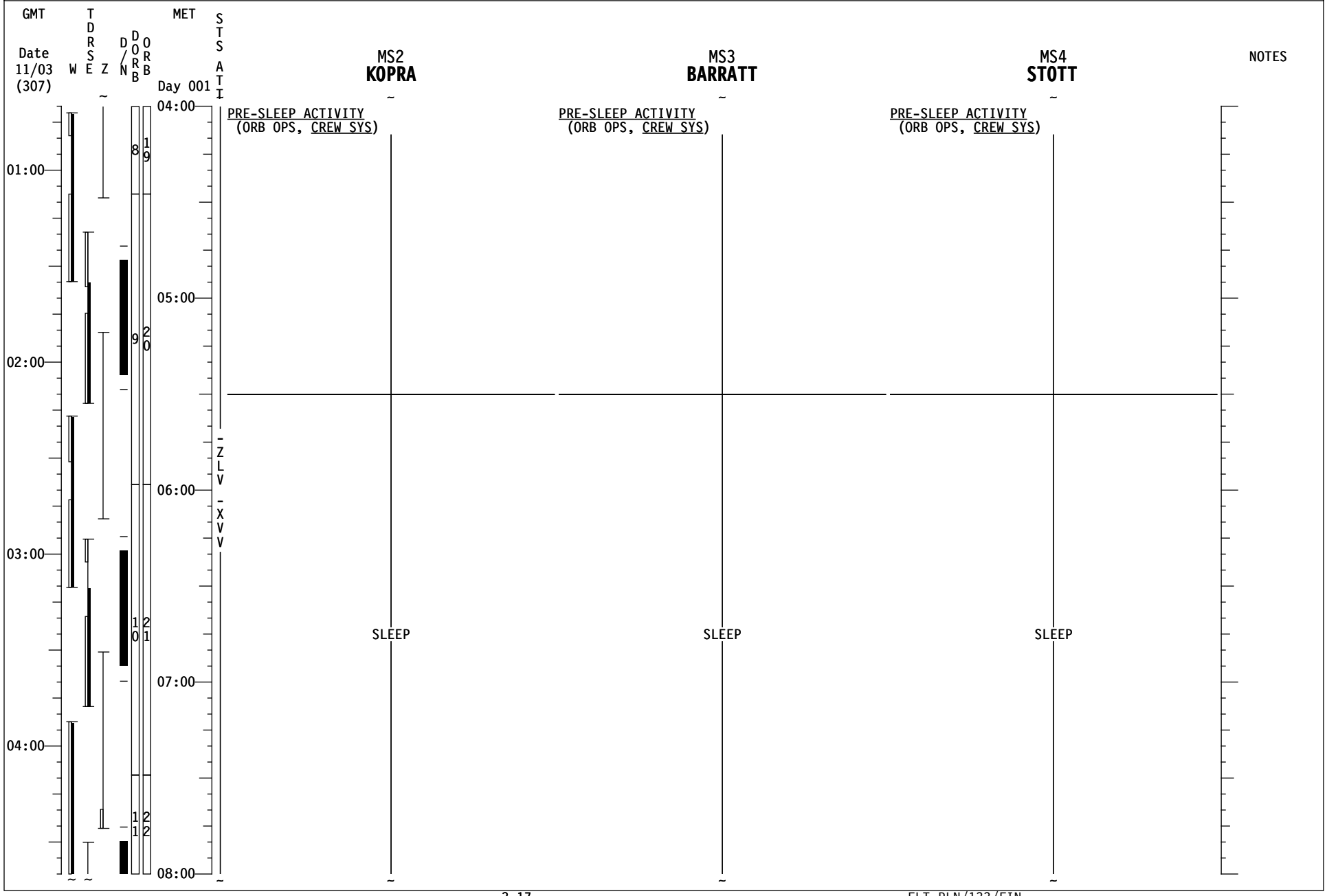
SLEEP

STS-133 FD (02)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STOTT
NOTES
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
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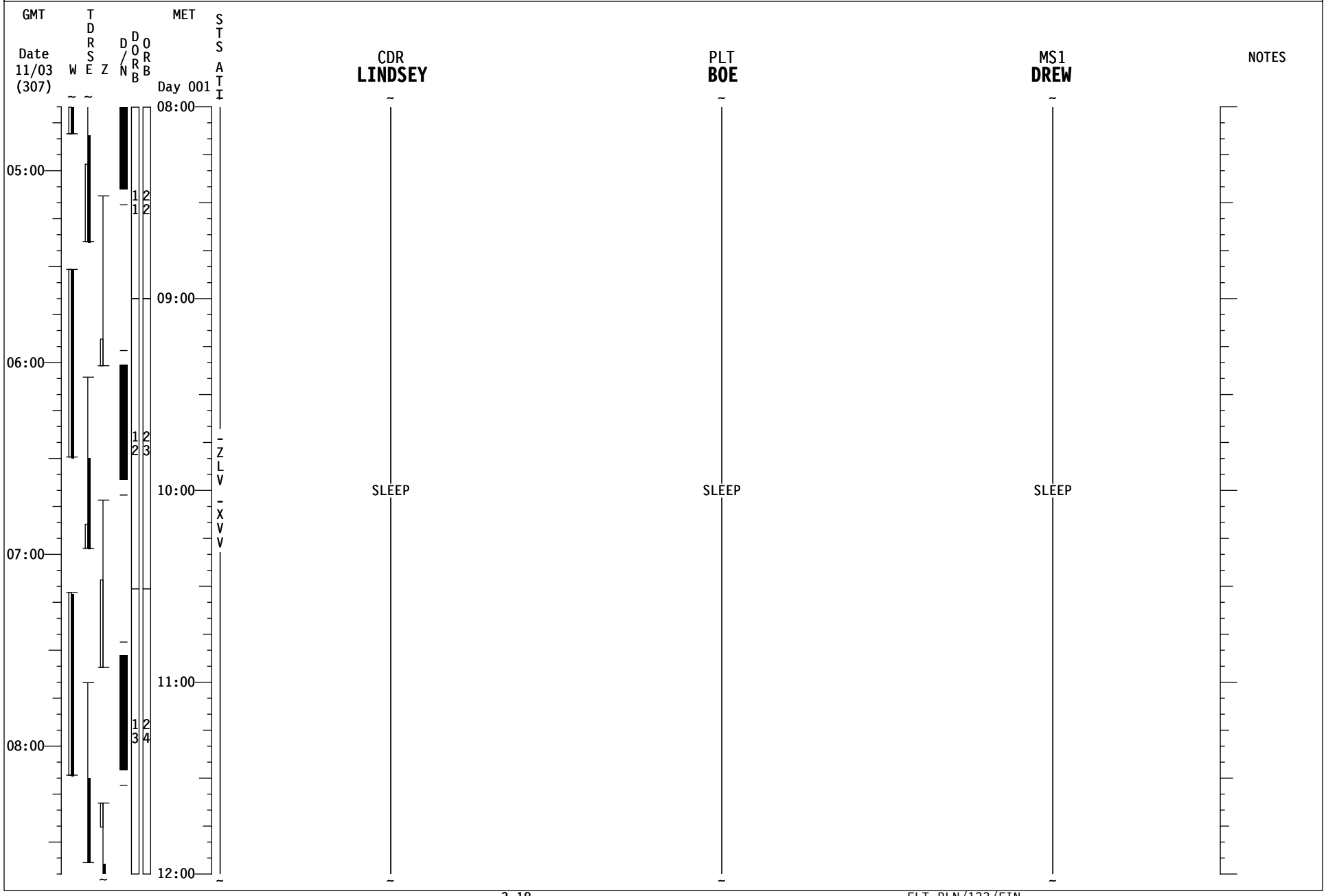
STS-133 FD (02)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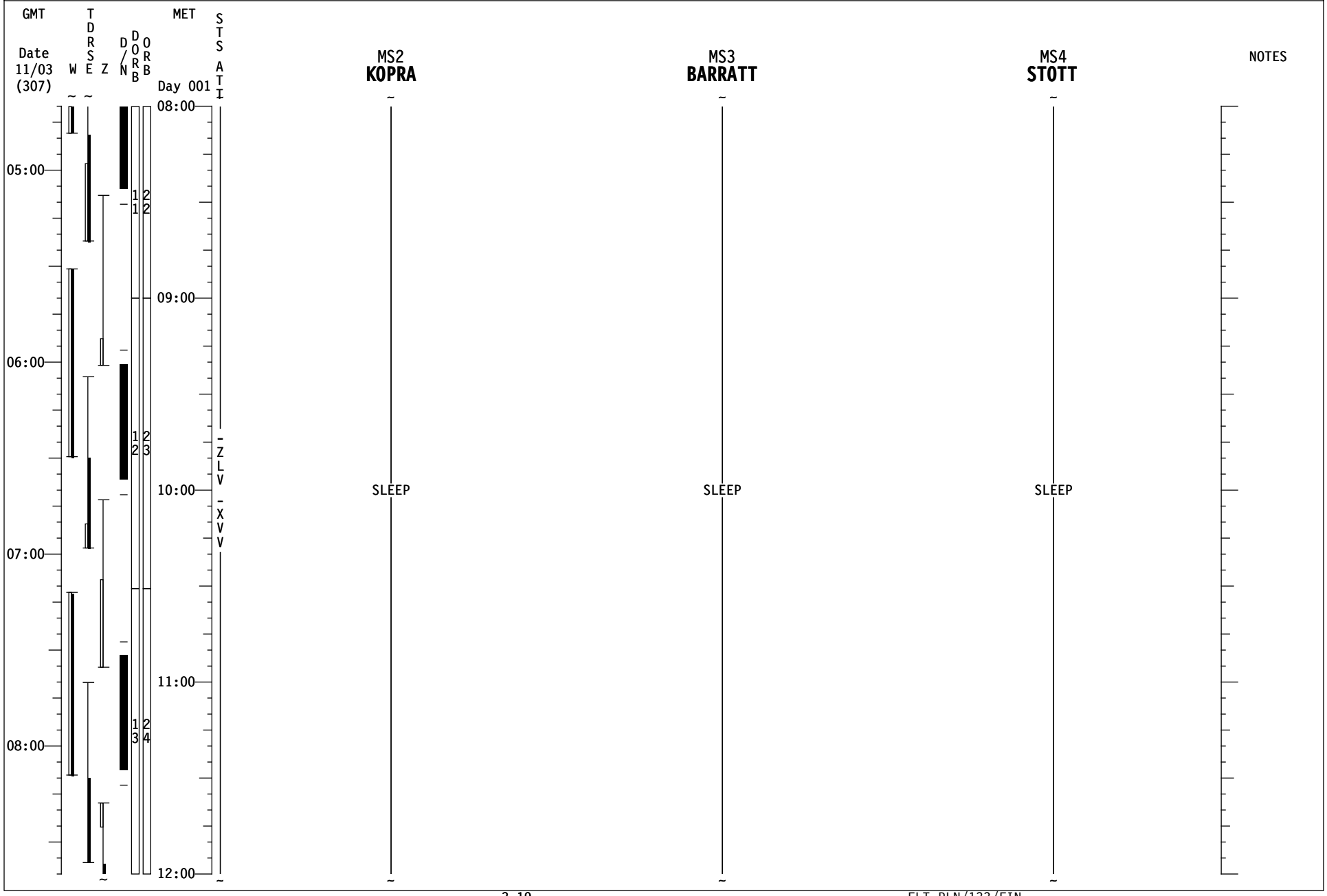
1 3
2 4
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

STS-133 FD (02)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-ZLV
-XVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

12:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00

-ZLV -XVV | -ZLV +YVV | -ZLV -XVV

SLEEP | SLEEP | SLEEP

FD03 EZ ACTIVITIES:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

FUT MNVR INIT (DUMP)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

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

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

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A1/AUTO/VERN Init TRK
PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN)
Step 12(Recover IMU 3),6(TripleG2),5

RCS/OMS POD HTR RECONFIG A
PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN)
Step 12(Recover IMU 3),6(TripleG2),5

RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)

RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)

L17 Check MCIU filter screen
SSP OIU PWR - OIU 1 ON (tb-UP)
On MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

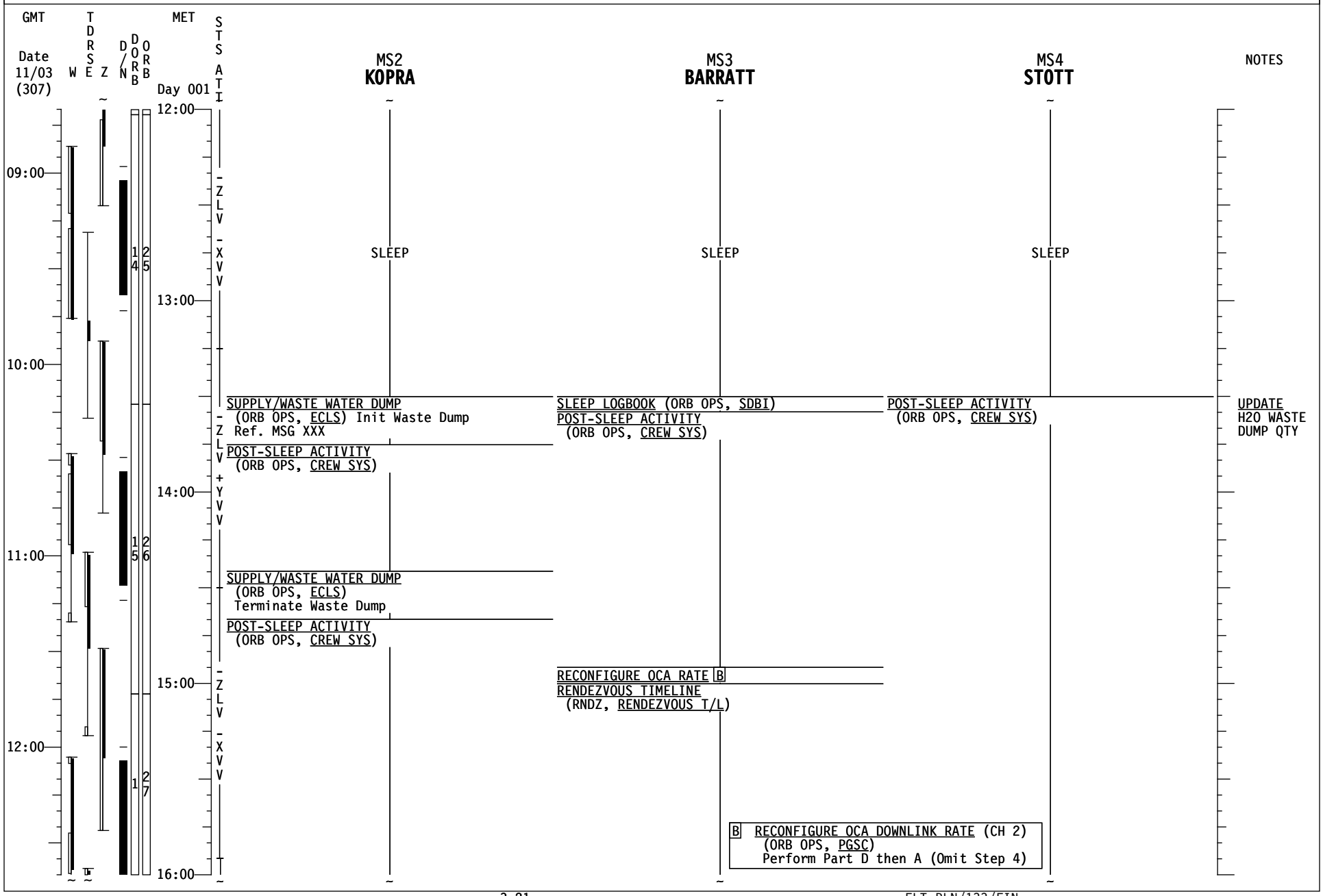
On MCC GO: A15 APCU 1 CONV - OFF
OUTPUT - OFF
SSV OUTRATE - 3
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

UPDATE TFL 199
PMM PRESSURE CHECK
UPDATE TFL 192

TRANSITION TO RNDZ C/L at MET 01/15:00

RNDZ PET 00:00 (Ti) at MET 01/17:48

STS-133 FD (03)


GMT
Date 11/03 (307)
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D/N
DORB
ORB
MET
Day 001
STS ATI
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
NOTES
09:00
10:00
11:00
12:00
12:00
13:00
14:00
15:00
16:00
-ZLV
-XVV
+YVV
SLEEP
SLEEP
SLEEP
SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS) Init Waste Dump
Ref. MSG XXX
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS)
Terminate Waste Dump
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
RECONFIGURE OCA RATE B
RENDEZVOUS TIMELINE
(RNDZ, RENDEZVOUS T/L)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
UPDATE
H2O WASTE
DUMP QTY
B RECONFIGURE OCA DOWNLINK RATE (CH 2)
(ORB OPS, PGSC)
Perform Part D then A (Omit Step 4)

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATI

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
< NC4 TIG (16:16)			
		EXERCISE	
< Ti TIG (17:48)			
RNDZ		RENDEZVOUS TIMELINE (RNDZ, RENDEZVOUS T/L)	
		EMU REMOVAL Disconnect EMUs from AAP and stow in MDDK	
APPROACH (CUE CARD)	APPROACH (CUE CARD)	APPROACH (CUE CARD)	UPDATE β21+MASK Box 1,2

Time scale: 13:00, 14:00, 15:00, 16:00; 16:00, 17:00, 18:00, 19:00, 20:00

Orbit scale: 1, 2, 3, 4; 27, 28, 29, 30

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATI | MS2 KOPRA | MS3 BARRATT | MS4 STOTT | NOTES

13:00 14:00 15:00 16:00

16:00 17:00 18:00 19:00 20:00

1 2 7 2 8 3 2 9 4 3 0

RNDZ

MS2 KOPRA

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SHUTTLE CONDENSATE COLLECTION
(ORB OPS, ECLS)
Perform SETUP

EXERCISE

EMU REMOVAL
Disconnect EMUs from AAP and stow in MDDK

APPROACH (CUE CARD)

MS3 BARRATT

RENDEZVOUS TIMELINE
(RNDZ, RENDEZVOUS T/L)

APPROACH (CUE CARD)

MS4 STOTT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

GLACIER STATUS CK (Cue Card)-MA16F/G
CGBA STATUS CK (Cue Card)
AEM CHECK (CUE CARD)

P/TV09 MIDDECK PAYLOADS
(P/TV, SCENES)
Setup Step 1 and Ops Item 2 (Video)

TRANSFER LIST UPDATE
Ref. Transfer List & MSG XXX

P/TV02 DOCK
(PHOTO/TV, SCENES)
Setup

EXERCISE

P/TV02 DOCK
(PHOTO/TV, SCENES)
Ops

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATT

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
APPROACH (CUE CARD)	APPROACH (CUE CARD)	APPROACH (CUE CARD)	
DOCKING (1/20:33)			
RETURN TO FLIGHT PLAN			
POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)	MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=161.91 Y=0.03 OM=170.10 Init TRK, DAP:FREE > 2 sec, then DAP: A12/AUTO/VERN	JOINT OPS: 6.107 PCS SETUP-SHUTTLE	UPDATE β21+MASK Box 1,3 UPDATE TFL 184
PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(C), & 12 (In Step 12, IMU 3 STBY-ITEM 23 EXEC) O6 S TRK PWR -Z - OFF When ISS is GO for deadband collapse: DAP: B13 SSV OUTRATE - 2 JOINT OPS: 2.104 HATCH OPENING AND SHUTTLE/ISS DUCT INSTALL Perform Steps 3-18 MCC-H will perform Steps 12-13 & 16-18	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(C), & 12 (In Step 12, IMU 3 STBY-ITEM 23 EXEC) O6 S TRK PWR -Z - OFF When ISS is GO for deadband collapse: DAP: B13 When ISS is GO for ATT control, DAP:FREE Return to DAP A12/FREE/VERN, Reconfig DAP B to B12 SSPTS ODS CONNECTOR VERIF A15 ODS MATE X1,X2 (two) - ON √MCC then - OFF SSPTS OPCU ACT D ELC4 UNBERTH VIEWING (PDRS, ELC4 NOMINAL)	C Single G2 - After MNVR Complete Step 3: √MCC or Pause ~4 min (DAP settling) DAP: as req'd D On MCC GO: A15 OPCU 1,2 CONV(two) - ON R1 MN BUS TIE B - ON(tb-ON) C - ON(tb-ON) ELC4 UNBERTH VIEWING (PDRS, ELC4 NOMINAL)	NO UNISOLATED EXERCISE WHILE ON DAP:B13
WELCOME	WELCOME	WELCOME	
SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	
P/TV05 ISS INTERNAL OPS (HC) (PHOTO/TV, SCENES) Setup ROBO: 1.120 ELC4 UNBERTH AND INSTALL Steps 3-5 P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Setup P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops	CWC-I FILL (ORB OPS, ECLS) Setup Perform Parts A-C,F Ref. MSG XXX SODF TRANSFER Ref. Transfer List & MSG XXX	POST DOCKING EVA TRANSFER & RECONFIG (EVA, AIRLOCK CONFIG)	NO EXERCISE WHILE ELC IS <2ft FROM STRUCTURE

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATI

MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
APPROACH (CUE CARD)	APPROACH (CUE CARD)	P/TV02 DOCK (PHOTO/TV, SCENES) Ops	
	RETURN TO FLIGHT PLAN		
POST DOCKING HATCH LEAK CHECK (RNDZ, APDS)		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Setup	
	EXERCISE		
AIRLOCK PREP FOR INGRESS - AIRLOCK FAN ACTIVE (RNDZ, APDS)		AIRLOCK PREP FOR INGRESS - AIRLOCK FAN ACTIVE (RNDZ, APDS)	NO UNISOLATED EXERCISE WHILE ON DAP:B13
JOINT OPS: 2.104 HATCH OPENING AND SHUTTLE/ISS DUCT INSTALL Perform Steps 3-18 MCC-H will perform Steps 12-13 & 16-18		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Ops	
	DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK) Docking KU TDRW (22:28-22:51)		
WELCOME	WELCOME	WELCOME	
SAFETY BRIEFING	SAFETY BRIEFING	SAFETY BRIEFING	
ROBO: 1.120 ELC4 UNBERTH AND INSTALL Steps 1-7 EXERCISE CONSTRAINT	ORBITER SSC SETUP Ref. MSG XXX, Steps X-X	ROBO: 1.120 ELC4 UNBERTH AND INSTALL Steps 1-7 EXERCISE CONSTRAINT	NO EXERCISE WHILE ELC IS <2ft FROM STRUCTURE
	POST DOCKING EVA TRANSFER & RECONFIG (EVA, AIRLOCK CONFIG)		

Time scale: 17:00, 18:00, 19:00, 20:00; 20:00, 21:00, 22:00, 23:00, 00:00

STS ATI: RNDZ; BIAS-XLV-ZVV

Day 001: 4 30; 5 31; 6 32

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops	SODF TRANSFER Ref. Transfer List & MSG XXX	POST DOCKING EVA TRANSFER & RECONFIG (EVA, AIRLOCK CONFIG)	
	ELC4 HANDOFF (PDRS, ELC4 NOMINAL) EXERCISE CONSTRAINT	ELC4 HANDOFF (PDRS, ELC4 NOMINAL) EXERCISE CONSTRAINT	
	ELC4 HANDBACK (PDRS, ELC4 NOMINAL) Steps 1,2	ELC4 HANDBACK (PDRS, ELC4 NOMINAL) Steps 1,2	NO EXERCISE DURING ELC HANDOFF
JOINT OPS: 3.102 NITROGEN TRANSFER INIT Setup and Initiate Verify MCC-H complete with Step 2, then perform 3-4.3		P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops	
S&M: A.6 PASSIVE CBM INSPECTION REFERENCE Use Shuttle Airlock Hatch Window			
P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops	ELC4 HANDBACK (PDRS, ELC4 NOMINAL) Step 3 EXERCISE CONSTRAINT	ELC4 HANDBACK (PDRS, ELC4 NOMINAL) Step 3 EXERCISE CONSTRAINT	
	JOINT OPS: 3.120 PREBREATHE USING SHUTTLE O2 SETUP Steps 2-6, MCC-H will perform steps 2.4 and 6.14	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
DAILY PLANNING CONFERENCE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		NO EXERCISE FROM MNVR TO INSTL TO 1st STAGE CAPTURE
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		S&M: 1.911 PAS NORMAL MATE Steps 6-17 EXERCISE CONSTRAINT	
MNVR TO OBSS HANDOFF PRE-GRAPPLE (PDRS, ELC4 NOMINAL)	MNVR TO OBSS HANDOFF PRE-GRAPPLE (PDRS, ELC4 NOMINAL)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	NO UN-ISOLATED EXERCISE FROM 1st STAGE CAPTURE TO UMA MATE
PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		

Time scale: 21:00, 22:00, 23:00, 00:00; 00:00, 01:00, 02:00, 03:00, 04:00

STS ATI: BIAS-XLV-ZVV

Notes: NO EXERCISE DURING ELC HANDOFF; NO EXERCISE FROM MNVR TO INSTL TO 1st STAGE CAPTURE; NO UN-ISOLATED EXERCISE FROM 1st STAGE CAPTURE TO UMA MATE

STS-133 FD (03)

GMT Date 11/03 (307) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

MS2 KOPRA

00:00
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 1-7
  EXERCISE CONSTRAINT
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Step 8
  EXERCISE CONSTRAINT
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 9-11

01:00
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 12-15
  EXERCISE CONSTRAINT

02:00
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 16-19
  EXERCISE CONSTRAINT

03:00
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)

04:00

BIAS-XLV-ZVV

MS3 BARRATT

- POST DOCKING EVA TRANSFER & RECONFIG
  (EVA, AIRLOCK CONFIG)
- TRANSFER TAGUP
  Coordinate with transfer counterpart
- TRANSFER BRIEF
  Call down status to MCC
- GLACIER STATUS CK (Cue Card)-MA16F/G
  CGBA STATUS CK (Cue Card)
  PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- S&M: 1.911 PAS NORMAL MATE
  Steps 6-17
  EXERCISE CONSTRAINT
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)

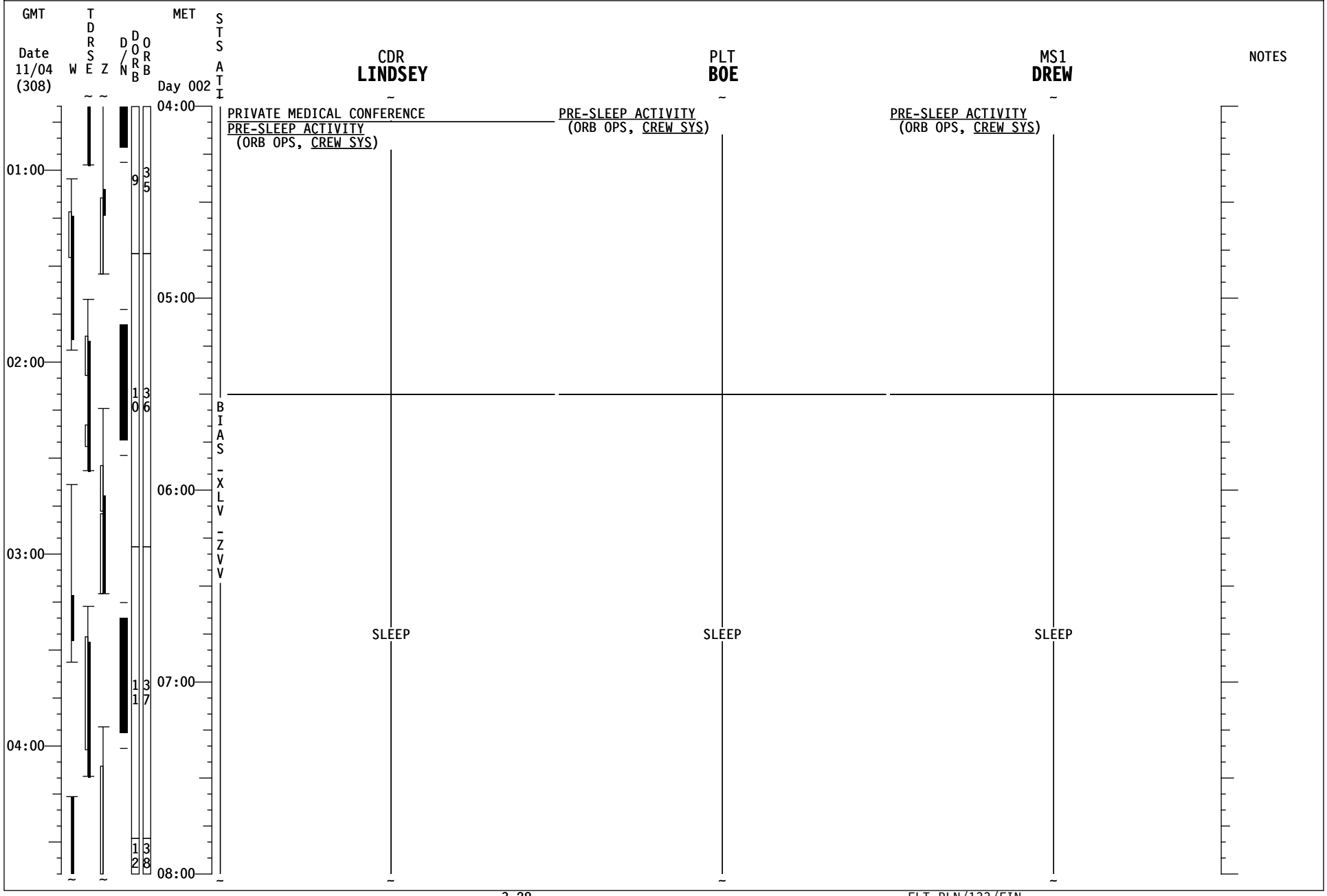
MS4 STOTT

- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 1-7
  EXERCISE CONSTRAINT
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Step 8
  EXERCISE CONSTRAINT
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 9-11
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 12-15
  EXERCISE CONSTRAINT
- ROBO: 1.120 ELC4 UNBERTH AND INSTALL
  Steps 16-19
  EXERCISE CONSTRAINT
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)

NOTES

- NO EXERCISE DURING ELC HANDOFF
- NO EXERCISE FROM MNVR TO INSTL TO 1st STAGE CAPTURE
- NO UN-ISOLATED EXERCISE FROM 1st STAGE CAPTURE TO UMA MATE

STS-133 FD (03)


GMT
Date 11/04 (308)
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NOTES
04:00
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PRIVATE MEDICAL CONFERENCE
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
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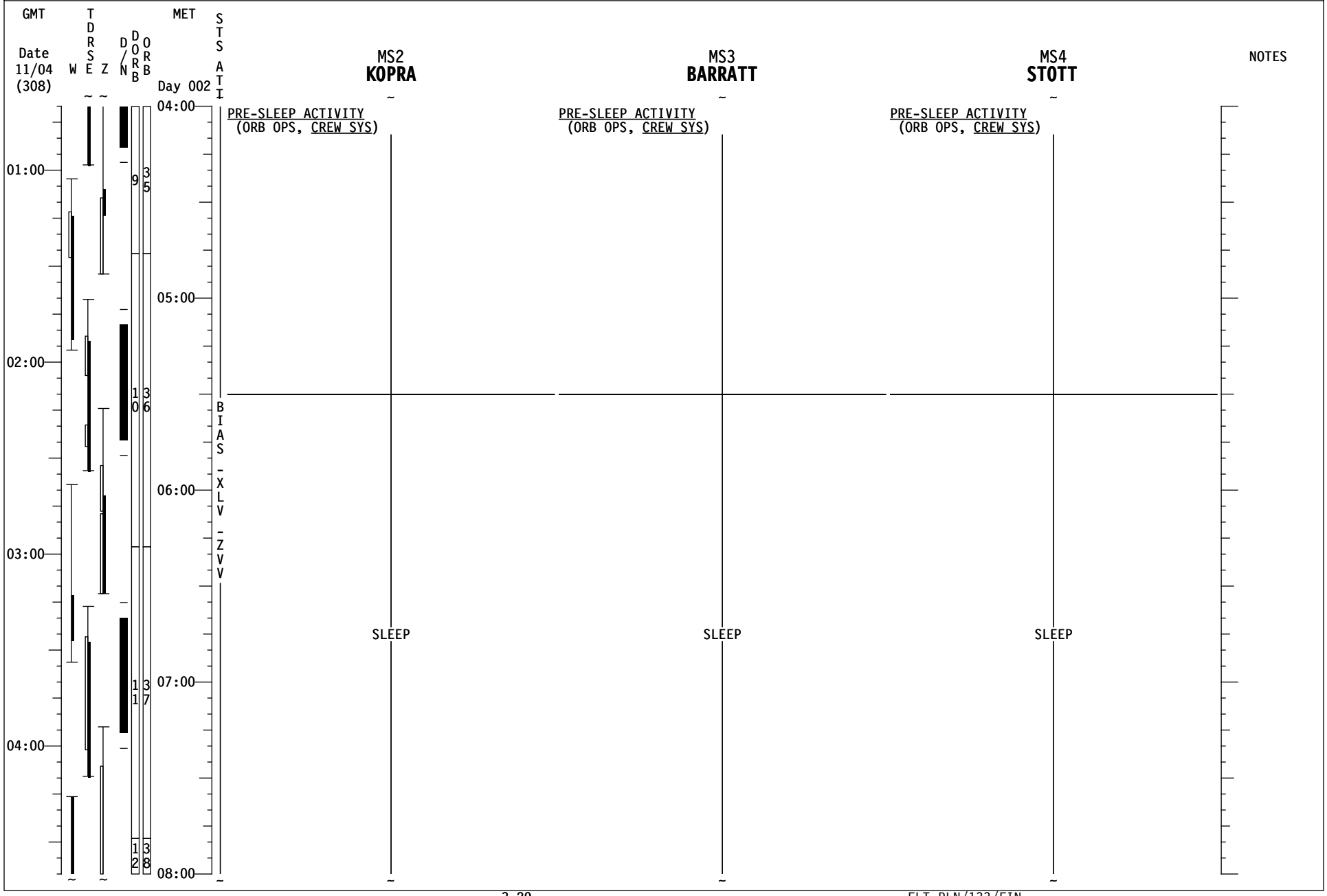
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

STS-133 FD (03)


GMT
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STS ATI
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
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BIAS-XLV-ZVV
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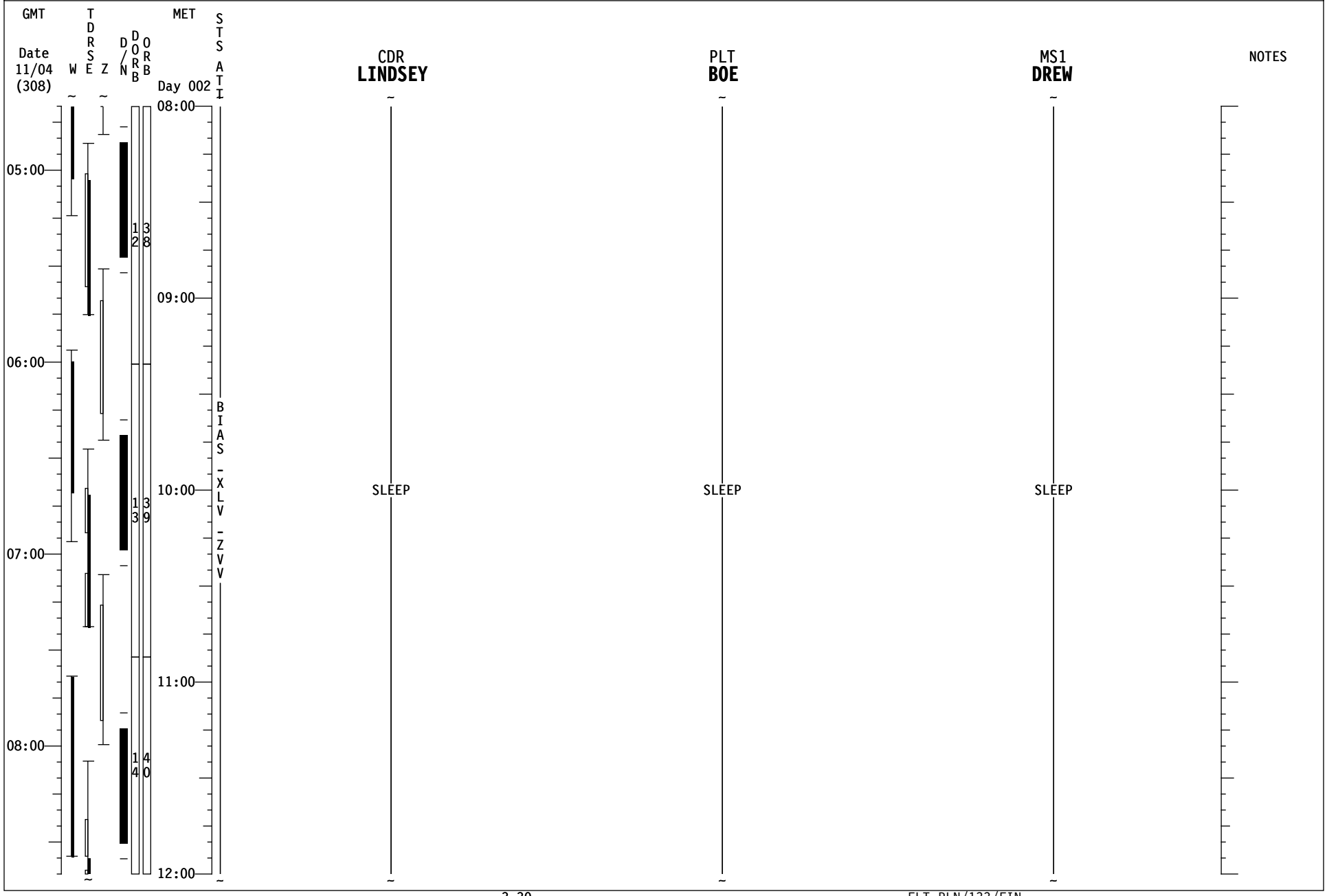
STS-133 FD (03)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BIAS-XLV-ZVV
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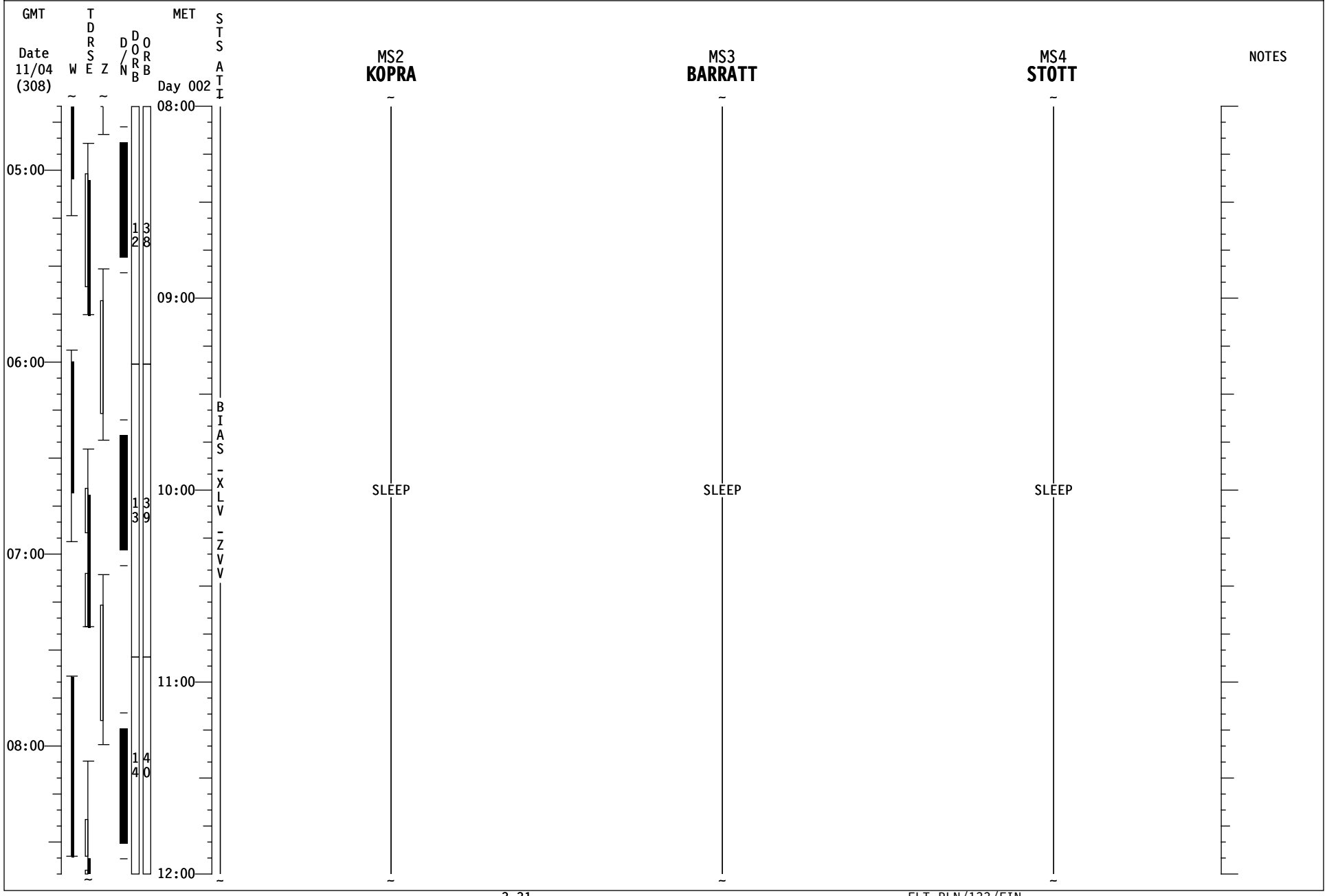
NOTES

STS-133 FD (03)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BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB 14 15 16 | DORB 40 41 42 43 | MET Day 002 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

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

09:00 10:00 11:00 12:00

SLEEP (CDR) | SLEEP (PLT) | SLEEP (MS1)

FD04 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
√Hum Seps for H2O accumulation

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

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

BIAS-XLV-ZVV

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRS E | Z | D/N | DORB 14 15 16 | ORB 40 41 42 43 | MET Day 002 | STS ATI

MS2 **KOPRA** | MS3 **BARRATT** | MS4 **STOTT** | NOTES

12:00 — 13:00 — 14:00 — 15:00 — 16:00

09:00 — 10:00 — 11:00 — 12:00

SLEEP (MS2)

SLEEP (MS3)

SLEEP (MS4)

BIAS -XLV -ZVV

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

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

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

ON MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

On MCC Go: A15 APCU 1 CONV - OFF
OUTPUT - OFF

NOTES:
UPDATE TFL 199
PMM PRESSURE CHECK
UPDATE TFL 184

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

CDR LINDSEY

- L17 Check MCIU filter screen
- IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
- P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Setup
- P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops
- OBSS HANDOFF FROM SSRMS (PDRS, OBSS NOMINAL) Steps 1-3
- P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops
- OBSS HANDOFF FROM SSRMS (PDRS,OBSS NOMINAL) Steps 4-5 EXERCISE CONSTRAINT
- P/TV06 ROBOTICS OPERATIONS (P/TV, SCENES) Ops
- OBSS MNVR TO PMM INSTALL VIEWING (PDRS, OBSS NOMINAL)
- EXERCISE

PLT BOE

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- CWC-I FILL (ORB OPS, ECLS) Fill CWC-I #1, Perform Parts D & E Ref. MSG XXX
- CWC-I FILL (ORB OPS, ECLS) Fill CWC-I #2, Perform Parts D & E Ref. MSG XXX
- OBSS HANDOFF FROM SSRMS (PDRS, OBSS NOMINAL) Steps 1-3
- CWC-I FILL (ORB OPS FS, ECLS) Fill CWC-I #3, Perform Parts D & E Ref. MSG XXX
- CWC-I TRANSFER Transfer 3 CWC-I to ISS
- OBSS HANDOFF FROM SSRMS (PDRS,OBSS NOMINAL) Steps 4-5 EXERCISE CONSTRAINT
- N2 REPRESS USING P/L N2 VLVS (ORB OPS, ECLS)Steps 1-5; on MCC go, perform step 6
- OBSS MNVR TO PMM INSTALL VIEWING (PDRS, OBSS NOMINAL)
- TRANSFER OPS Ref. Transfer List

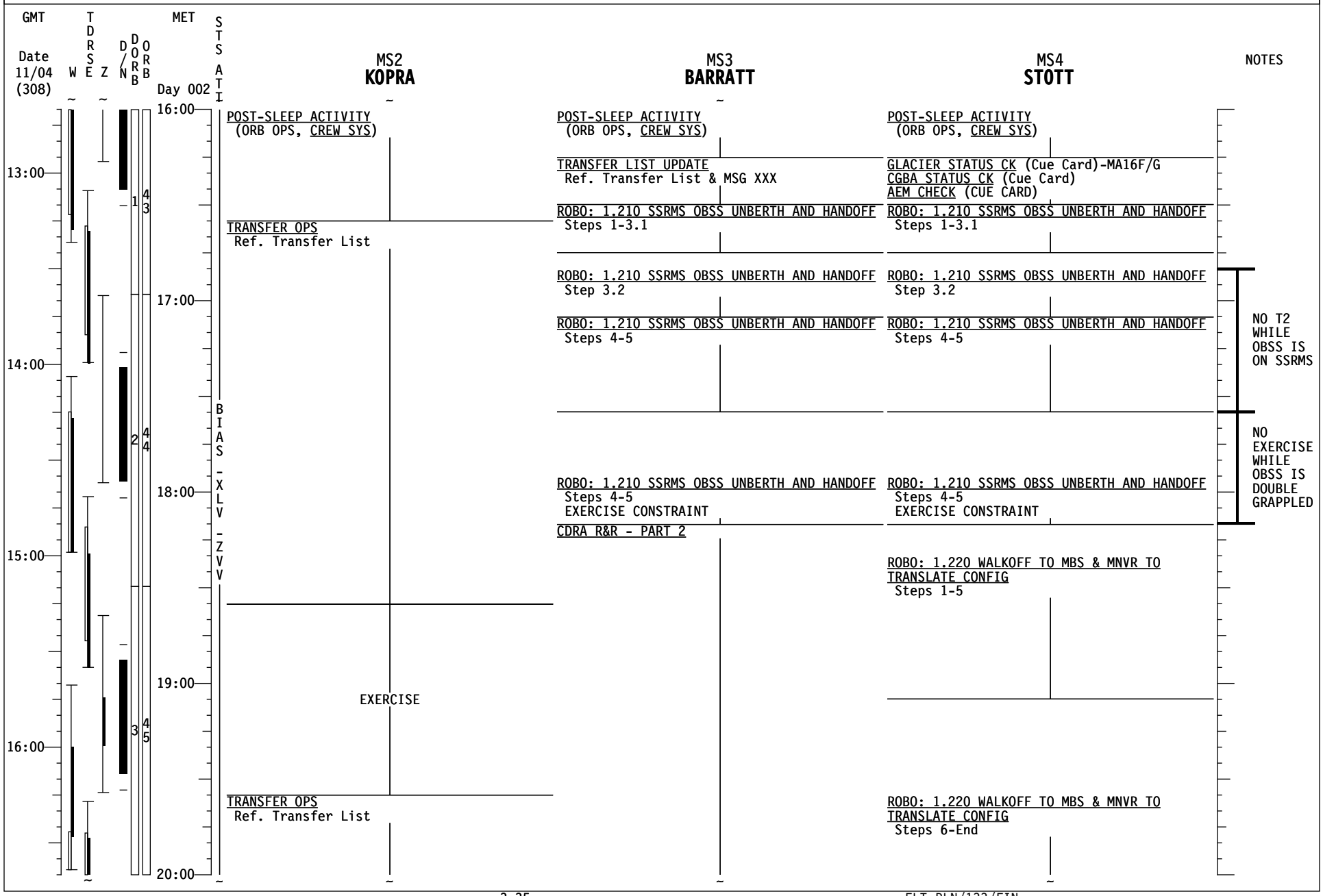
MS1 DREW

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- TRANSFER OPS Ref. Transfer List
- EXERCISE
- TRANSFER OPS Ref. Transfer List

NOTES

- NO T2 WHILE OBSS IS ON SSRMS
- NO EXERCISE WHILE OBSS IS DOUBLE GRAPPLED

STS-133 FD (04)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Day 002
STS ATI
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
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4 4
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4 5
BIAS - XLV - ZVV
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
TRANSFER OPS Ref. Transfer List
EXERCISE
TRANSFER OPS Ref. Transfer List
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
TRANSFER LIST UPDATE Ref. Transfer List & MSG XXX
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 1-3.1
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Step 3.2
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 4-5
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 4-5 EXERCISE CONSTRAINT
CDRA R&R - PART 2
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
GLACIER STATUS CK (Cue Card)-MA16F/G
CGBA STATUS CK (Cue Card)
AEM CHECK (CUE CARD)
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 1-3.1
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Step 3.2
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 4-5
ROBO: 1.210 SSRMS OBSS UNBERTH AND HANDOFF Steps 4-5 EXERCISE CONSTRAINT
ROBO: 1.220 WALKOFF TO MBS & MNVR TO TRANSLATE CONFIG Steps 1-5
ROBO: 1.220 WALKOFF TO MBS & MNVR TO TRANSLATE CONFIG Steps 6-End
NO T2 WHILE OBSS IS ON SSRMS
NO EXERCISE WHILE OBSS IS DOUBLE GRAPPLED

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

20:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 | 00:00

BIAS -XLV -ZVV

BIAS -XLV +YVV

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
EXERCISE	N2 RPRS USING P/L N2 VLVS (ORB OPS,ECLS) on MCC go, perform steps 7-12	TRANSFER OPS Ref. Transfer List	
MEAL	MEAL	MEAL	
HANDOVER ATTITUDE CONTROL [A]		EVA SYSTEMS: 1.307 REBA INSTALLATION Ref: STS-133 CTCC	
MNVR (TRK) BIAS -XLV +YVV (Dump) [B]			
SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Init Supply Dump	CWC OVERBOARD DUMP (ORB OPS, ECLS) Init, Ref. MSG XXX	EVA SYSTEMS: 1.403 REBA POWERED HARDWARE CHECK	
LiOH TRANSFER Ref. Transfer List		EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 not required Ref: STS-133 CTCC	
SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Term Supply Dump	CWC OVERBOARD DUMP (ORB OPS, ECLS) Term	133 EVA 1 TOOL CONFIG (EVA, TIMELINES)	
PWR OVERBOARD DUMP (ORB OPS, ECLS) Dump SN TBS (Barcode #TBS) Dump dur. ~xx min Ref. MSG XXX	CWC-I FILL (ORB OPS, ECLS) Fill CWC-I #4, Perform Parts D & E Ref. MSG XXX		
	CWC-I FILL (ORB OPS, ECLS) Fill CWC-I #5, Perform Parts D & E Ref. MSG XXX		
MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=161.91 Y=0.03 OM=170.10 A12/AUTO/VERN Init TRK	CWC-I TRANSFER Transfer 2 CWC-I to ISS		
When ISS is GO for deadband collapse, DAP:B13			NO UN-ISOLATED EXERCISE DURING DDC
ATT H/O TO ISS [C]			

[A] √A12/FREE/VERN
When ISS in Free Drift, DAP:LVLH
When Jet activity stopped for >5 sec, DAP:FREE > 2 sec, then DAP:AUTO

[B] TG=2 BV=5 P=162 Y=0 OM=193
A12/AUTO/VERN, Init TRK
When in Attitude, DAP:B12

EXERCISE

[C] When ISS is GO for att. control, DAP: FREE
Then return to DAP A, √A12/FREE/VERN
Reconfig DAP B to B12

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

MS2 **KOPRA**

MS3 **BARRATT**

MS4 **STOTT**

NOTES

17:00 18:00 19:00 20:00

20:00 21:00 22:00 23:00 00:00

BIAS -XLV -ZVV

BIAS -XLV +YVV

KOPRA

TRANSFER OPS
Ref. Transfer List

MEAL

EVA SYSTEMS: 1.307 REBA INSTALLATION
Ref: STS-133 CTCC

EVA SYSTEMS: 1.403 REBA POWERED HARDWARE CHECK

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP
Steps 1-3 not required
Ref: STS-133 CTCC

133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)

BARRATT

CDRA R&R - PART 2

MEAL

NLP TERMINATION (ASSY OPS, PAYLOADS)
Terminate GAPs A-P (Vaccine 11)

CGBA ADJUST SET TEMP (ASSY OPS, PAYLOADS)
Set temp to +4C

TRANSFER OPS
Ref. Transfer List

EXERCISE

TRANSFER OPS
Ref. Transfer List

STOTT

ROBO: 1.220 WALKOFF TO MBS & MNVR TO TRANSLATE CONFIG Steps X-End

MEAL

GLACIER UNPACK AND POWER ON
(ASSY OPS, PAYLOADS) GLACIER S/N007

EXERCISE

TRANSFER OPS
Ref. Transfer List

NO UN-ISOLATED EXERCISE DURING DDC

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI | CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

21:00 | 22:00 | 23:00 | 00:00

6 | 48 | 7 | 49 | 8 | 50 | 9 | 51

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

BIAS - XLV - ZVV

CDR LINDSEY

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DAILY PLANNING CONFERENCE

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLT BOE

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 DREW

133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

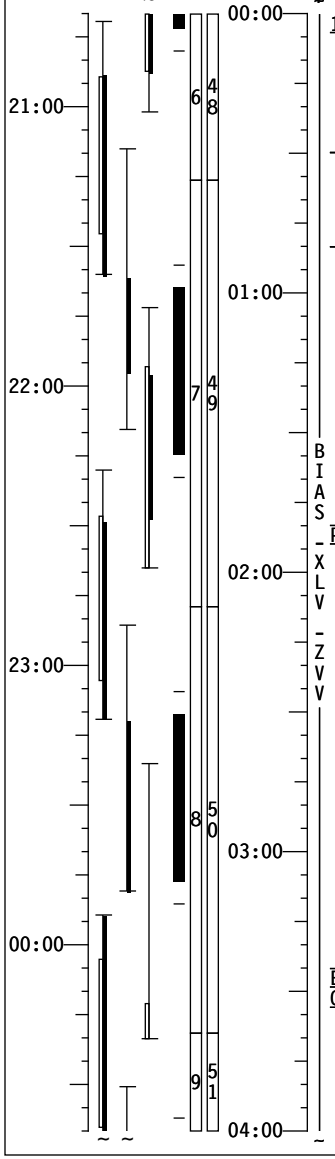
EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC

STS-133 FD (04)

GMT Date 11/04 (308) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI



BIAS - XLV - ZVV

MS2 KOPRA

133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC

MS3 BARRATT

TRANSFER TAGUP
Coordinate with transfer counterpart

TRANSFER BRIEF
Call down status to MCC

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC

MS4 STOTT

133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Audit

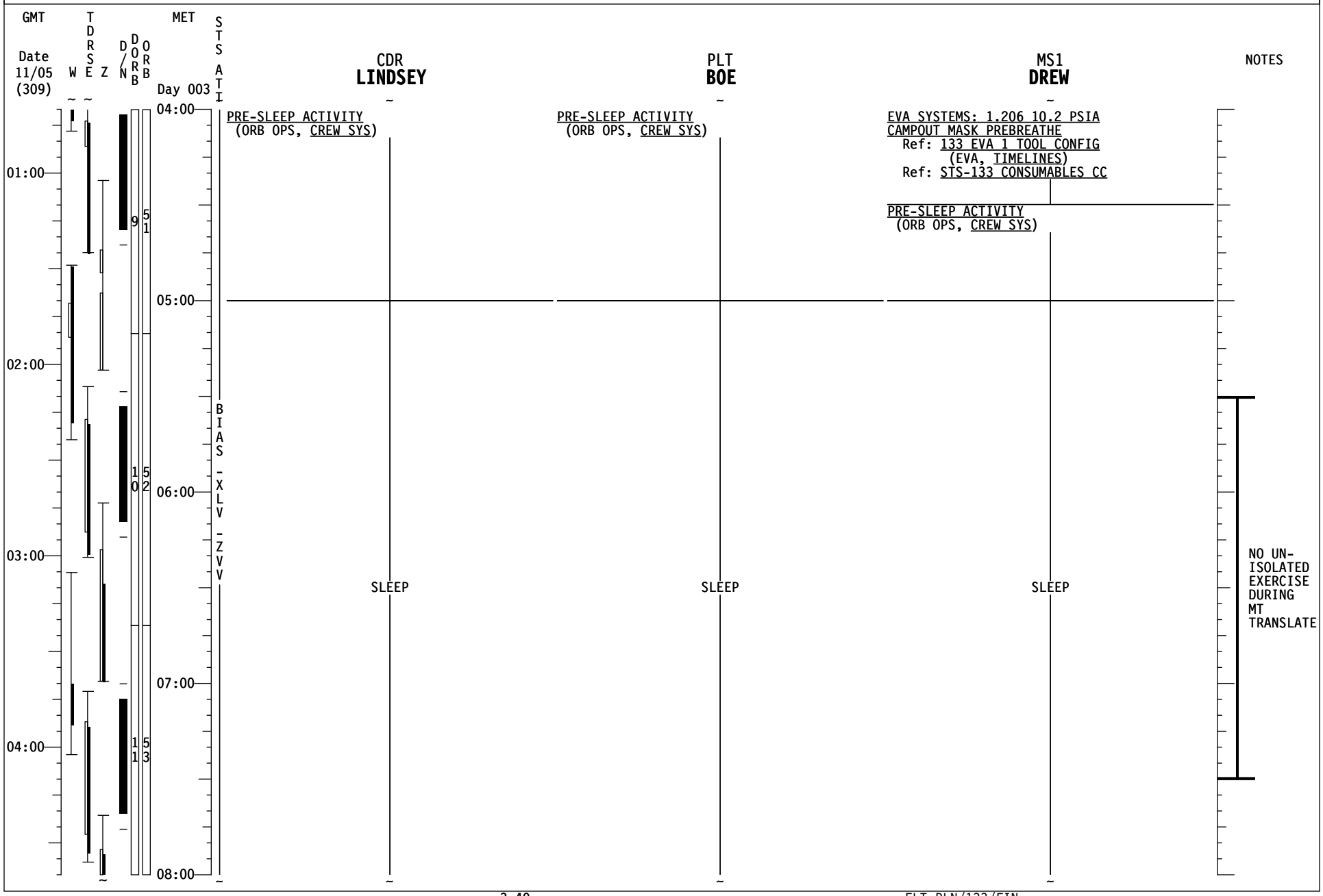
PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:05-00:50

EVA PROCEDURE REVIEW
Ref. EVA 1 BRIEFING CARD
(EVA, TIMELINES)

GLACIER STATUS CK (Cue Card) - Both Units
Skip step 1.4 for the FWD Unit in MF28E/G
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

STS-133 FD (04)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Date 11/05 (309)
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Day 003
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CDR
LINDSEY
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MS1
DREW
NOTES
04:00
05:00
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07:00
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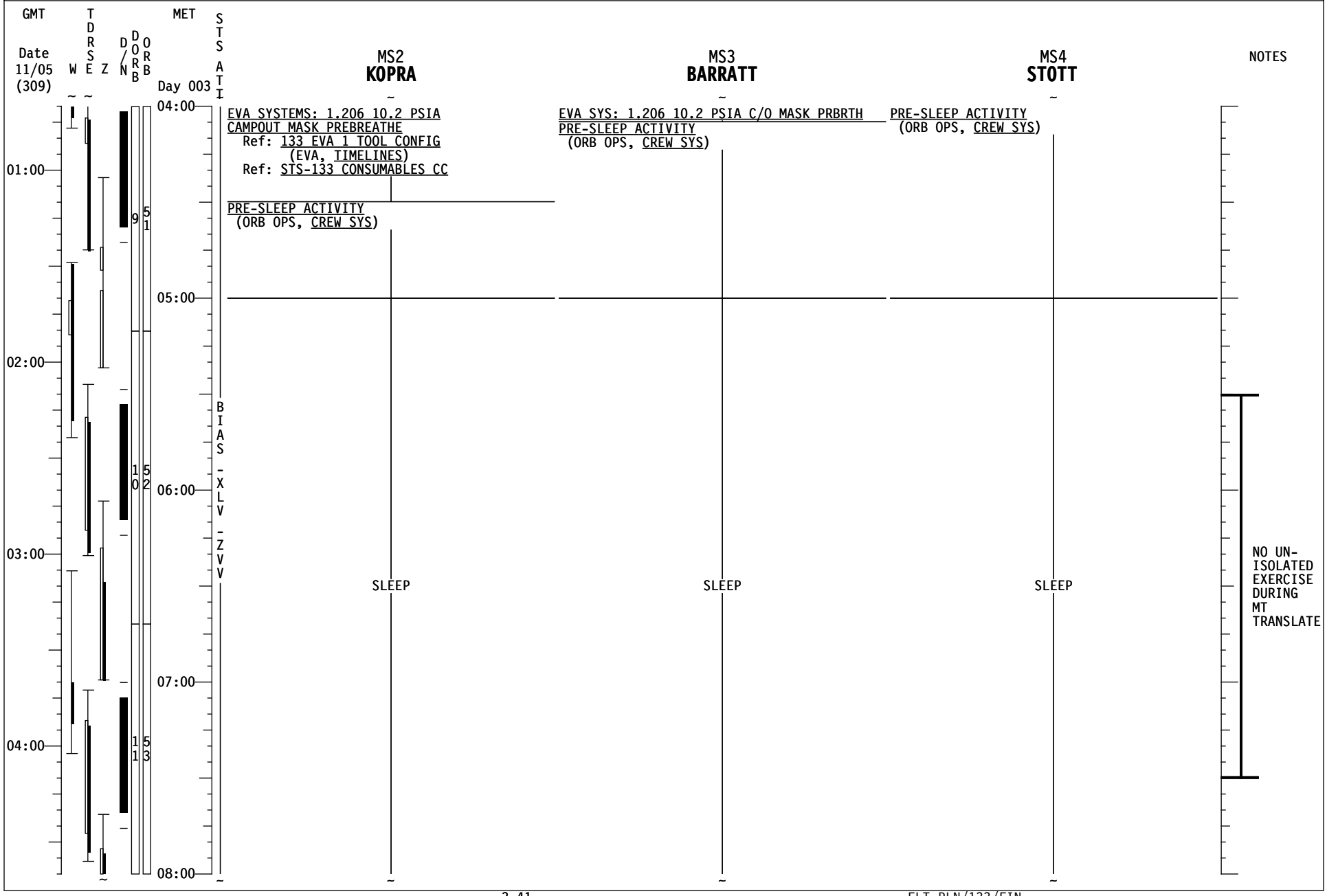
3
BIAS -XLV -ZVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP
NO UN-ISOLATED EXERCISE DURING MT TRANSLATE

STS-133 FD (04)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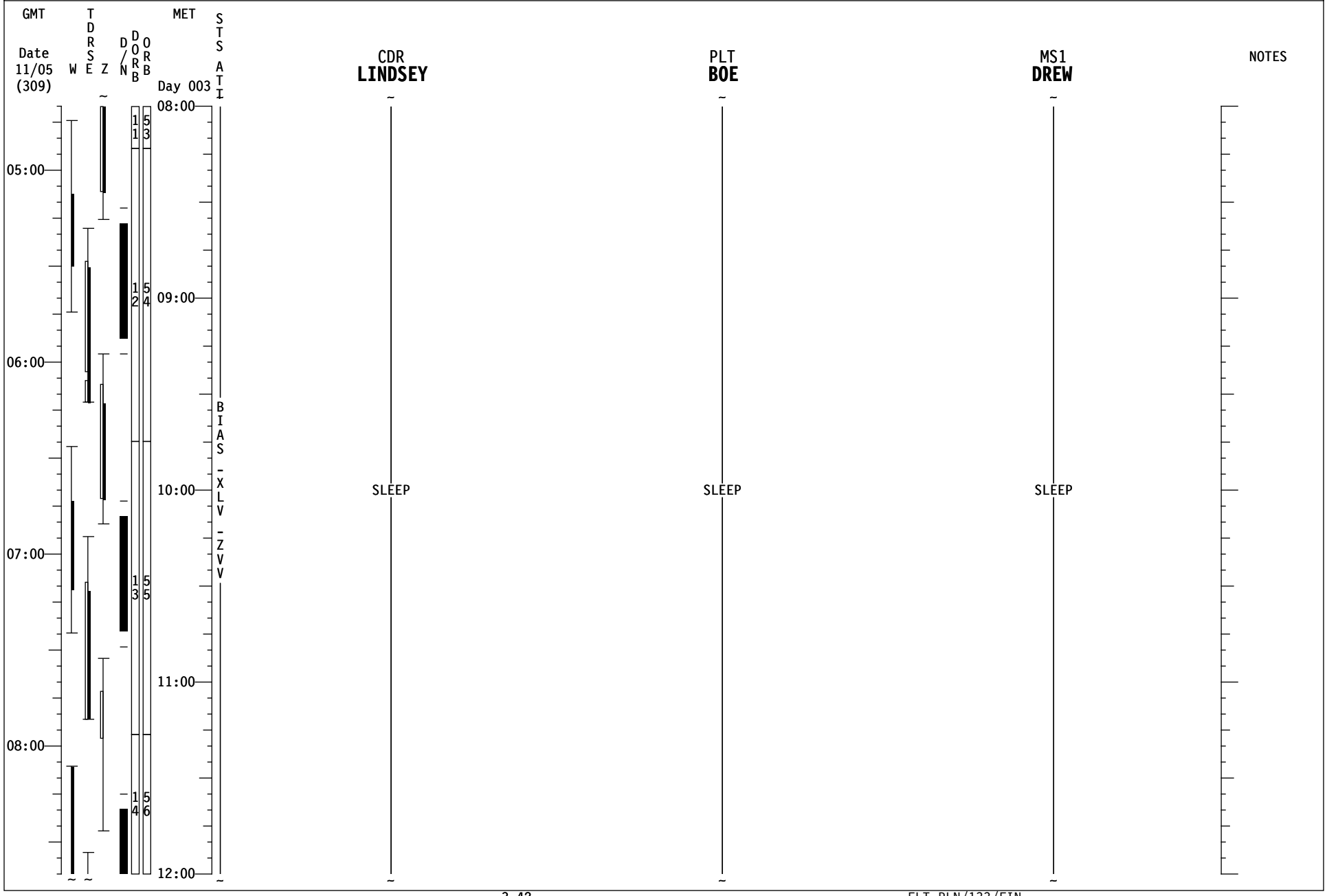
9 5 1
1 0 5 2
1 1 5 3
B I A S - X L V - Z V V
MS2
KOPRA
EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 1 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS3
BARRATT
EVA SYS: 1.206 10.2 PSIA C/O MASK PRBRTH
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS4
STOTT
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
NOTES
NO UN-ISOLATED EXERCISE DURING MT TRANSLATE

STS-133 FD (04)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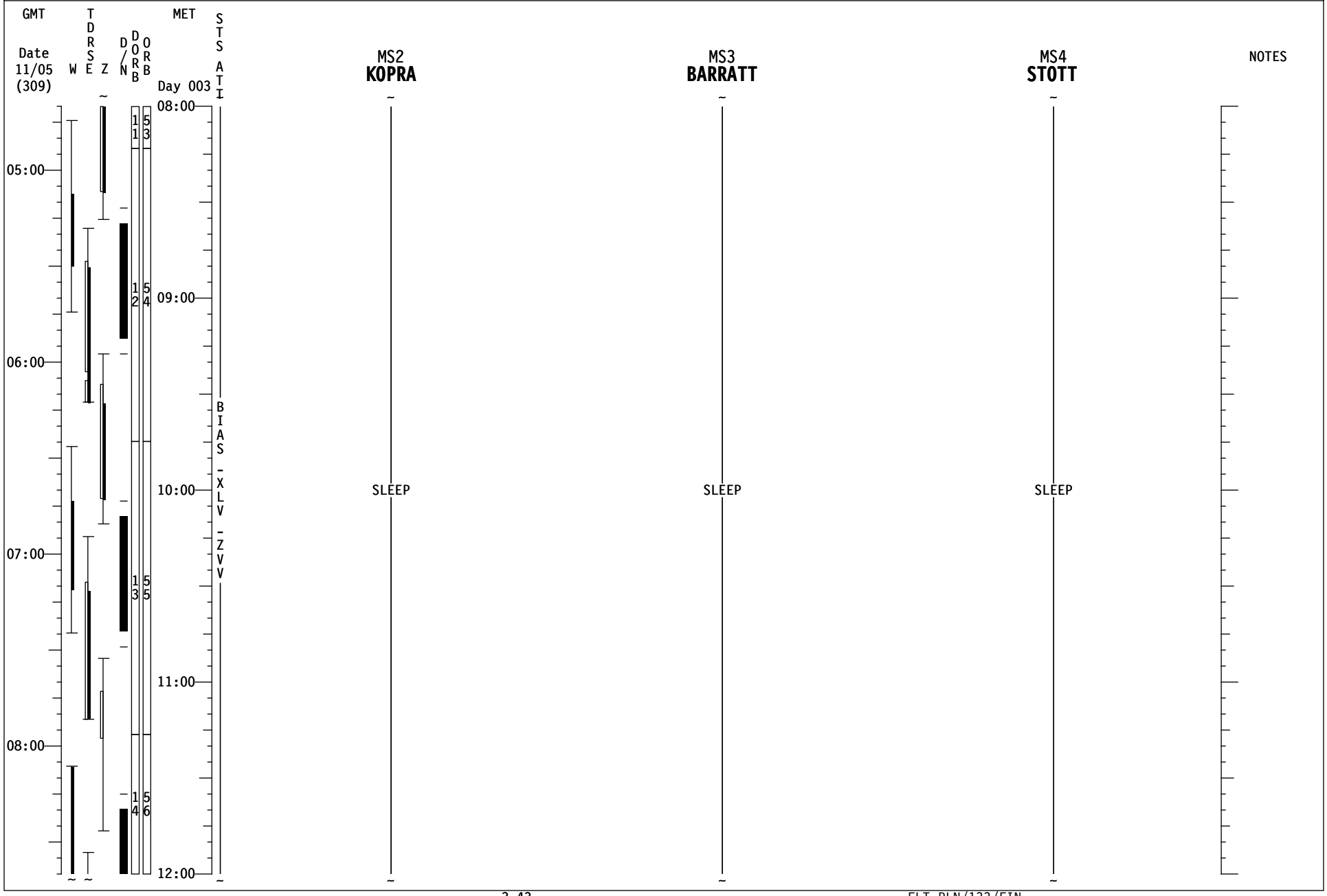
55
56
BIAS -XLV -ZVV
CDR
LINDSEY
SLEEP
PLT
BOE
SLEEP
MS1
DREW
SLEEP
NOTES

STS-133 FD (04)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56
BIAS-XLV-ZVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

FD05 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

SLEEP | SLEEP | SLEEP

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

09:00 | 10:00 | 11:00 | 12:00

14 | 15 | 15 | 16 | 17 | 18 | 19

BIAS-XLV-ZVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)

EVA 1 INHIBIT PAD (EVA, TIMELINES)

CWC-I FILL (ORB OPS, ECLS)
Fill CWC-I #6,
Perform Parts D & E
Ref. MSG XXX

CWC-I FILL (ORB OPS, ECLS) (See pg 3-46)

SLEEP LOGBOOK (ORB OPS, SDBI)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

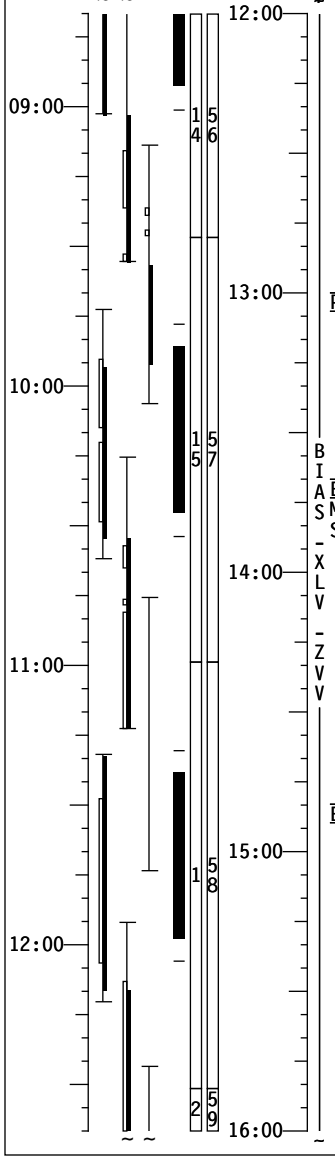
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI



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

BIAS-XLV-ZVV

MS2 KOPRA

SLEEP

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

MS3 BARRATT

SLEEP

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

MS4 STOTT

SLEEP

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

ON MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

On MCC Go: A15 APCU 1 CONV - OFF
OUTPUT - OFF

NOTES

UPDATE
TFL 199

PMM
PRESSURE
CHECK

UPDATE
TFL 184

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

CDR LINDSEY

16:00
- CWC-I FILL (ORB OPS, ECLS)
  Fill CWC-I #7,
  Perform Parts D & E
  Ref. MSG XXX
- CWC-I FILL (ORB OPS, ECLS)
  Fill CWC-I #8,
  Perform Parts D & E
  Ref. MSG XXX
- CWC-I TRANSFER
  Transfer 3 CWC-I to ISS
- FILTER CLEANING (IFM,SCHEDULED MAINTENANCE)
  Inspect filters and clean as necessary

17:00

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

18:00
- P/TV07 EVA
  (PHOTO/TV, SCENES)
  Ops

19:00

20:00

PLT BOE

- POST-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- EXERCISE
- TRANSFER OPS
  Ref. Transfer List

MS1 DREW

- EVA SYSTEMS: 1.216 EVA PREP
- EVA SYSTEMS: 1.220 EMU PURGE
- EVA SYSTEMS: 1.225 EMU PREBREATHE
- EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD
- EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)
- EGRESS
- EGRESS/SETUP
- 612 CABLE
- VTE BAGS/ APFR ESP2
- VENT TOOL SETUP
- FAILED PM STOW

NOTES

NO UN-ISOLATED EXERCISE WHILE CREW IS ON ESP-2

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
EVA SYSTEMS: 1.216 EVA PREP	EVA SYSTEMS: 1.216 EVA PREP	TRANSFER LIST UPDATE Ref. Transfer List & MSG XXX	
EVA SYSTEMS: 1.220 EMU PURGE	EVA SYSTEMS: 1.220 EMU PURGE	GLACIER STATUS CK (Cue Card) - Both Units Skip step 1.4 for the FWD Unit in MF28E/G CGBA STATUS CK (Cue Card) AEM CHECK (CUE CARD)	
EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	TOOL CHECK AND IV SETUP Ref MSGXXX	
		TRANSFER OPS Ref. Transfer List	
EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD		
EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)		
EGRESS	ROBO: 1.405 EVA 1 SSRMS SUPPORT		
EGRESS/SETUP			
612 CABLE			
SSRMS SETUP		EVA 1 IVA SUPPORT	NO UN-ISOLATED EXERCISE WHILE CREW IS ON ESP-2
FAILED PUMP MODULE RETRIEVE FROM POA			
FAILED PM STOW			

Time scale: 13:00, 14:00, 15:00, 16:00; Day 003: 16:00, 17:00, 18:00, 19:00, 20:00

BIAS-XLV-ZVV

Day 003: 2 59; 3 60; 4 61

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

20:00 — 17:00 — 18:00 — 19:00 — 20:00 — 21:00 — 22:00 — 23:00 — 00:00

4 6 1 — 5 6 2 — 6 6 3 — 7 6 4

BIAS - XLV - ZVV

CDR LINDSEY

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

MEAL

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

PLT BOE

TRANSFER OPS
Ref. Transfer List

MEAL

CWC-I FILL (ORB OPS, ECLS)
Fill CWC-I #9,
Perform Parts D & E
Ref. MSG XXX

CWC-I FILL (ORB OPS, ECLS)
Fill CWC-I #10,
Perform Parts D & E
Ref. MSG XXX

CWC-I TRANSFER
Transfer 2 CWC-I to ISS

TRANSFER OPS
Ref. Transfer List

R1 PL PRI MN C - ON (tb-ON)
SSP1 PMM CH 1,2 HTR (two) - ON (tb-gray)
PWR FILL (ORB OPS, ECLS)
Perform WATER FILL #1
Fill SN TBS (Barcode #TBS)
Fill dur ~30 min

MS1 DREW

FAILED PM STOW

APFR-Z1

Z1 MLI

TOOL STANCHON RELOCATE/APFR TO A/L

CP3 CAMERA WEDGE

GET AHEAD

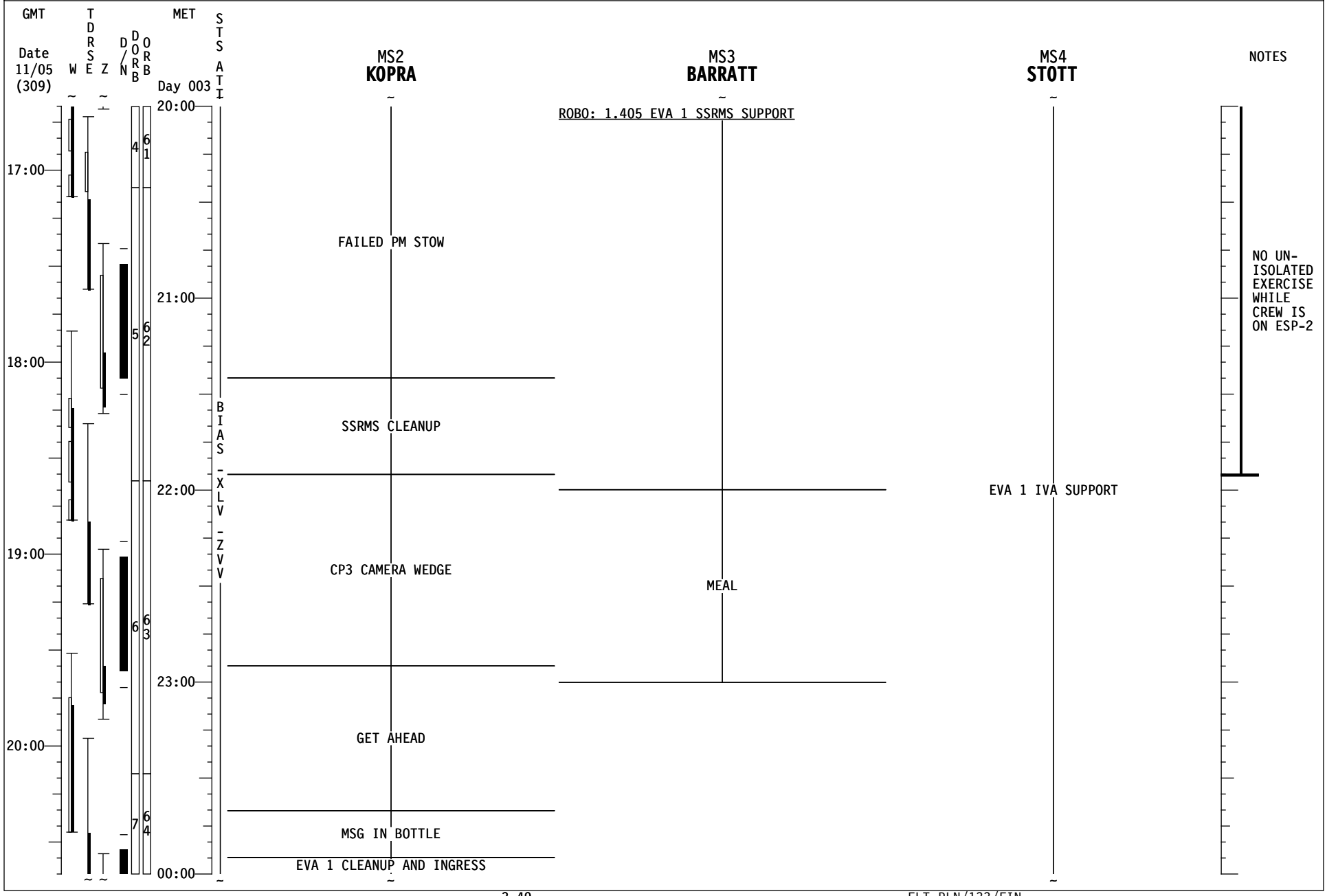
MSG IN BOTTLE

EVA 1 CLEANUP AND INGRESS

NOTES

NO UN-ISOLATED EXERCISE WHILE CREW IS ON ESP-2

STS-133 FD (05)


GMT
Date 11/05 (309)
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D O R B
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MET
Day 003
S T S A T I
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
17:00
18:00
19:00
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20:00
21:00
22:00
23:00
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61
62
63
64
B I A S - X L V - Z V V
FAILED PM STOW
SSRMS CLEANUP
CP3 CAMERA WEDGE
GET AHEAD
MSG IN BOTTLE
EVA 1 CLEANUP AND INGRESS
ROBO: 1.405 EVA 1 SSRMS SUPPORT
MEAL
EVA 1 IVA SUPPORT
NO UN-ISOLATED EXERCISE WHILE CREW IS ON ESP-2

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

21:00 | 22:00 | 23:00 | 00:00

7 64 | 8 65 | 9 66

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

BIAS - XLV - ZVV

CDR LINDSEY

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

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DAILY PLANNING CONFERENCE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLT BOE

PWR FILL (ORB OPS, ECLS) Perform WATER FILL #1
Fill SN TBS (Barcode #TBS)
Fill dur ~30 min

PWR FILL
(ORB OPS, ECLS)
Perform WATER FILL #2
Fill SN TBS (Barcode #TBS)
Fill dur ~30 min

PWR FILL
(ORB OPS, ECLS)
Perform WATER FILL #3
Fill SN TBS (Barcode #TBS)
Fill dur ~30 min

PWR TRANSFER
Transfer 3 PWRs to ISS

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 DREW

EVA 1 CLEANUP AND INGRESS

EVA SYSTEMS: PRE REPRESS (CC)

EVA SYSTEMS: CREWLOCK REPRESS (CC)

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA Init
Ref: STS-133 CTCC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

STS-133 FD (05)

GMT Date 11/05 (309) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

MS2 **KOPRA**

EVA 1 CLEANUP AND INGRESS

EVA SYSTEMS: PRE REPRESS (CC)

EVA SYSTEMS: CREWLOCK REPRESS (CC)

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
Step 60, temp stow HL batts for BSA Init
Ref: STS-133 CTCC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 **BARRATT**

EVA SYSTEMS: PRE REPRESS (CC)

EVA SYSTEMS: CREWLOCK REPRESS (CC)

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
Step 60, temp stow HL batts for BSA Init
Ref: STS-133 CTCC

EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE
Initiate Battery Charge
Ref: STS-133 CTCC
Ref: STS-133 Battery Recharge Plan CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 **STOTT**

EVA 1 IVA SUPPORT

TRANSFER TAGUP
Coordinate with transfer counterpart

GLACIER STATUS CK (Cue Card) - Both Units
Skip step 1.4 for the FWD Unit in MF28E/G
CGBA STATUS CK (Cue Card)

EXERCISE

TRANSFER BRIEF
Call down status to MCC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

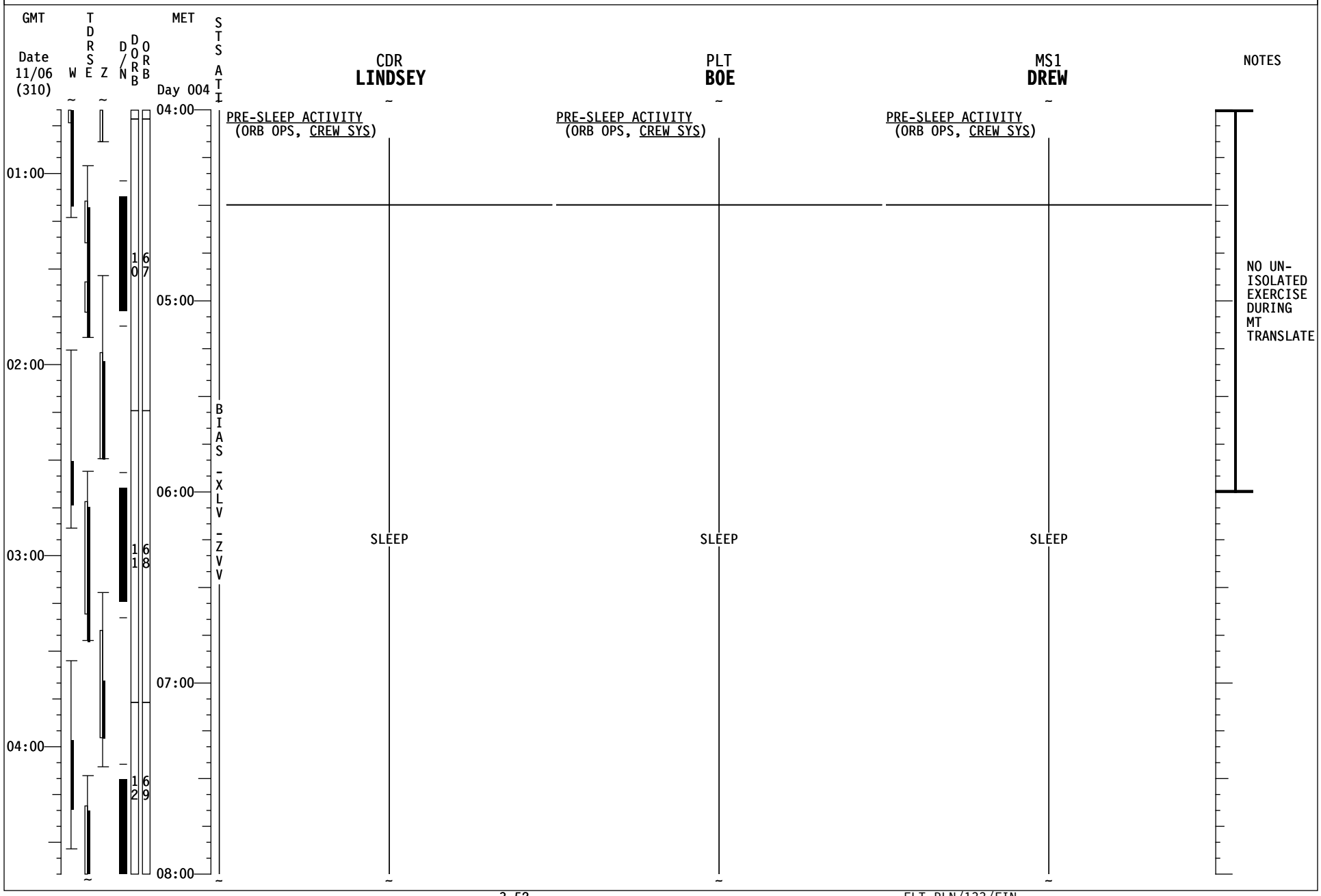
NOTES

Time scale: 21:00, 22:00, 23:00, 00:00 — 00:00, 01:00, 02:00, 03:00, 04:00

Orbit labels: 7 64, 8 65, 9 66

BIAS-XLV-ZVV

STS-133 FD (05)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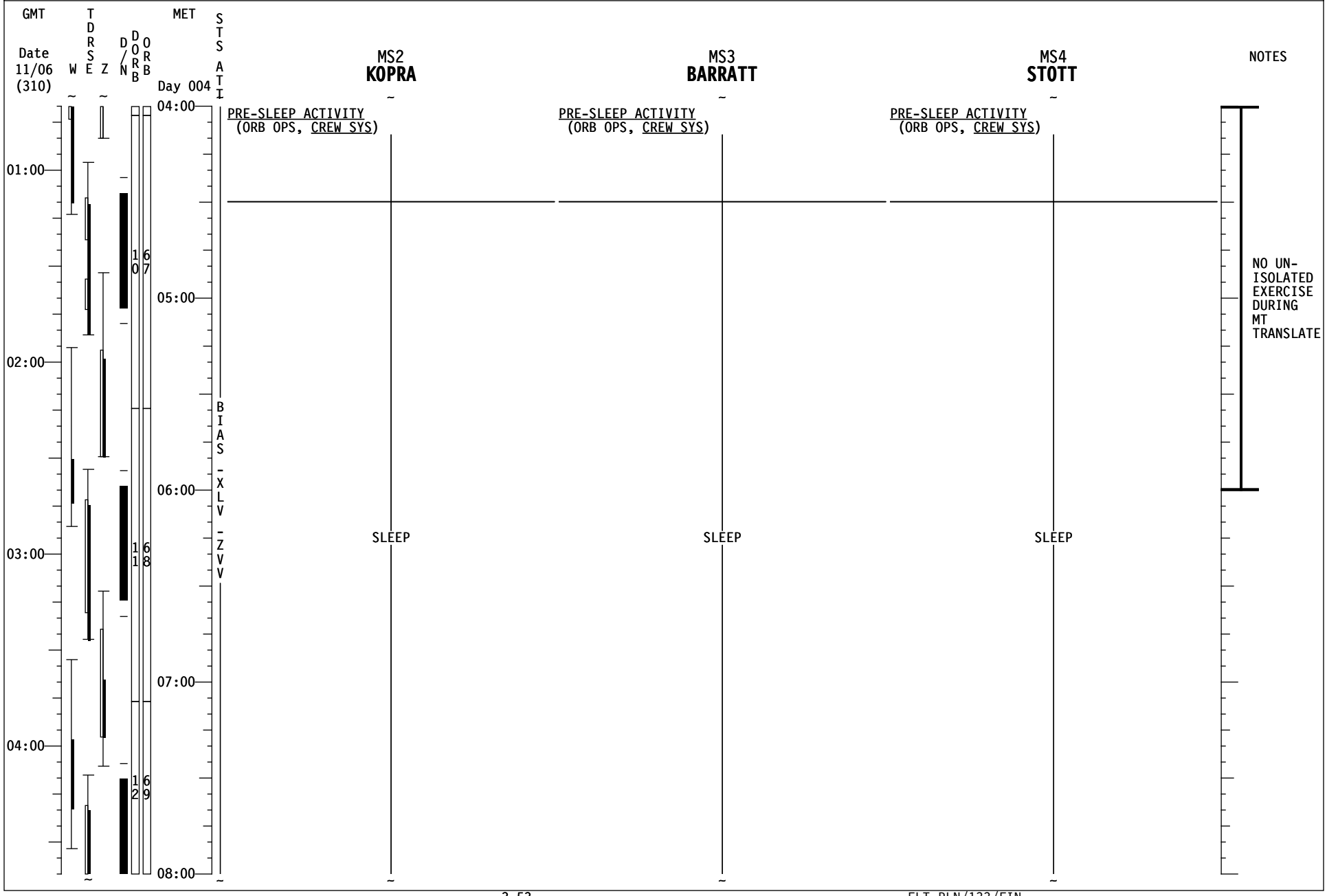
BIAS -XLV -ZVV
CDR
LINDSEY
PLT
BOE
MS1
DREW
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP
NOTES
NO UN-
ISOLATED
EXERCISE
DURING
MT
TRANSLATE

STS-133 FD (05)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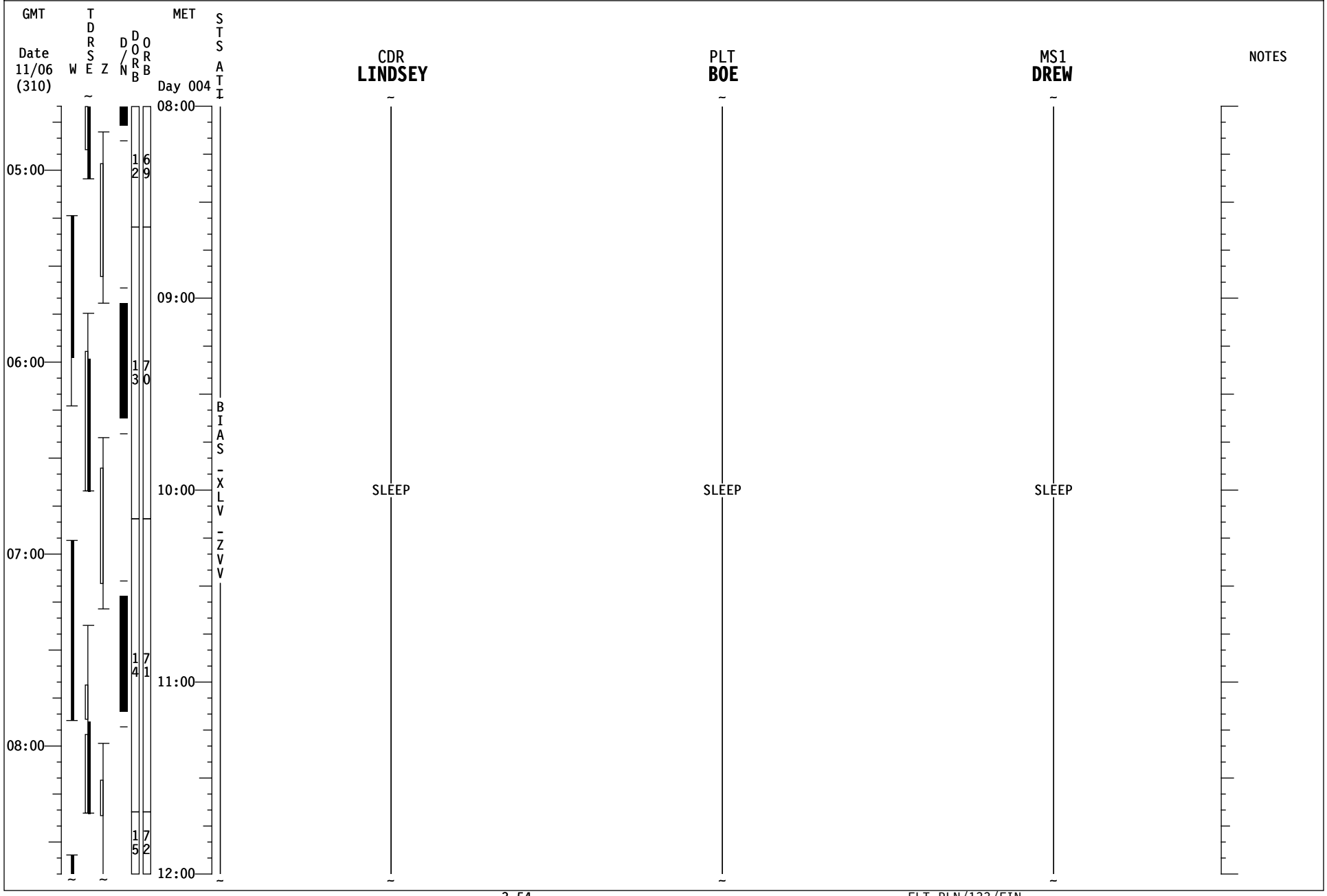
BIAS -XLV -ZVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
NOTES
NO UN-ISOLATED EXERCISE DURING MT TRANSLATE

STS-133 FD (05)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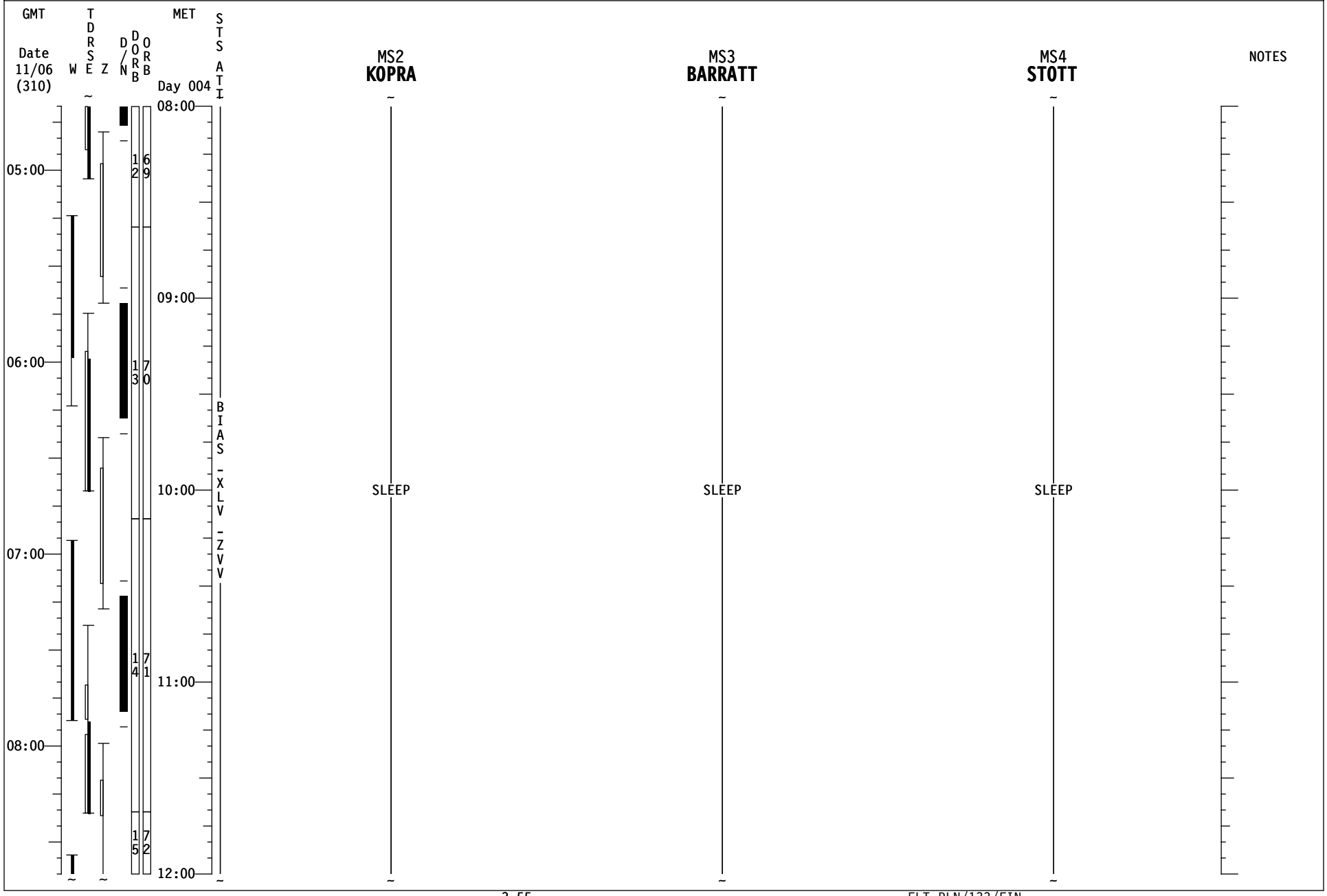
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

STS-133 FD (05)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BIAS
-XLV
-ZVV
MS2
KOPRA
SLEEP
MS3
BARRATT
SLEEP
MS4
STOTT
SLEEP
NOTES

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

09:00 | 10:00 | 11:00 | 12:00

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

BIAS-XLV-ZVV

CDR LINDSEY

SLEEP

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

L17 Check MCIU filter screen

P/TV06 ROBOTICS OPERATIONS
(P/TV, SCENES) Ops

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 4-8, EXERCISE CONSTRAINT
P/TV06 ROBOTICS OPERATIONS
(P/TV, SCENES) Ops

PLT BOE

SLEEP

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

SSP1 PMM CH 1,2 HTR (two) - OFF (tb-bp)
R1 PL PRI MN C - OFF (tb-OFF)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

WCS CRADLE - AUTO INHIBIT
Inspect hose block filter, change if req'd
WCS CRADLE - AUTO

MS1 DREW

SLEEP

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

EXERCISE

NOTES

NO T2 EXERCISE WITH PMM ON SSRMS

FD06 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

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

09:00 | 10:00 | 11:00 | 12:00

BIAS - XLV - ZVV

MS2 KOPRA

SLEEP

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

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 1-3

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 9-10, EXERCISE CONSTRAINT

MS3 BARRATT

SLEEP

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

1.100 CBCS INSTALL - PMM INSTL TO N1 NADIR
(ASSY OPS, ACT & C/O) Steps 8-9
ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 1-3

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 9-10, EXERCISE CONSTRAINT

MS4 STOTT

SLEEP

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

ON MCC GO: A15 APCU 1 OUTPUT - ON
CONV - ON
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

On MCC Go: A15 APCU 1 CONV - OFF
OUTPUT - OFF
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

GLACIER STATUS CK (Cue Card) - Both Units
Skip step 1.4 for the FWD Unit in MF28E/G
CGBA STATUS CK (Cue Card)
AEM CHECK (CUE CARD)

TRANSFER LIST UPDATE
Ref. Transfer List &~MSG XXX

NOTES

UPDATE TFL 199

PMM PRESSURE CHECK UPDATE TFL 184

NO T2 EXERCISE WITH PMM ON SSRMS

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

16:00 17:00 18:00 19:00 20:00

13:00 14:00 15:00 16:00

1 2 3 4 | 74 75 76 77

BIAS-XLV-ZVV

CDR LINDSEY

P/TV06 ROBOTICS OPERATIONS
(P/TV, SCENES) Ops

TRANSFER OPS
Ref. Transfer List

PRLA CLOSE
(ORB OPS, PRLA)

MEAL

DOUG REVIEW
Ref. MSG XXX

OBSS FOCUSED INPSECTION
Ref. MSG XXX
EXERCISE CONSTRAINT

PLT BOE

S&M: 1.505 N1 CBM VERIFY PRE-MATE STATUS

ASSY OPS: 1.102 PMM INSTALL:
N1N CBM CAP/ABOLT
Steps 1-4
EXERCISE CONSTRAINT

ASSY OPS: 1.102 PMM INSTALL:
N1N CBM CAP/ABOLT
Steps 5-end
EXERCISE CONSTRAINT

MEAL

DOUG REVIEW
Ref. MSG XXX

OBSS FOCUSED INPSECTION
Ref. MSG XXX
EXERCISE CONSTRAINT

MS1 DREW

EXERCISE

CWC-I FILL (ORB OPS, ECLS)
Fill CWC-I #11,
Perform Parts D & E
Ref. MSG XXX

CWC-I FILL (ORB OPS, ECLS)
Fill CWC-I #12,
Perform Parts D & E
Ref. MSG XXX

CWC-I TRANSFER
Transfer 2 CWC-I to ISS

EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATT REPLACE
Stow used LiOH in EVA Sys Transfer Bag
Ref: STS-133 CTCC

TRANSFER OPS
Ref. Transfer List

APFR HEAT SHIELD REMOVAL
Ref MSGXXX

MEAL

NOTES

NO T2 EXERCISE WITH PMM ON SSRMS

NO EXERCISE FROM PMM INSTALL TO A-BOLT COMPLETE

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRS E | Z | D/N | DORB 1 2 3 4 | ORB 7 4 7 5 7 6 7 7 | MET Day 004 | STS ATI

MS2 **KOPRA** | MS3 **BARRATT** | MS4 **STOTT** | NOTES

16:00

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 9-10, EXERCISE CONSTRAINT

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 9-10, EXERCISE CONSTRAINT

TRANSFER LIST UPDATE
Ref. Transfer List & MSG XXX

NO T2 EXERCISE WITH PMM ON SSRMS

13:00

S&M: 1.505 N1 CBM VERIFY PRE-MATE STATUS

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Step 11, EXERCISE CONSTRAINT

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Step 11, EXERCISE CONSTRAINT

17:00

ASSY OPS: 1.102 PMM INSTALL: N1N CBM CAP/ABOLT
Steps 1-4
EXERCISE CONSTRAINT

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Step 12, EXERCISE CONSTRAINT
EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE
Terminate Battery Charge
EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATT REPLACE
Stow used LiOH in EVA Sys Transfer Bag
Ref: STS-133 CTCC

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Step 12, EXERCISE CONSTRAINT

ASSY OPS: 1.102 PMM INSTALL: N1N CBM CAP/ABOLT
Steps 5-end
EXERCISE CONSTRAINT

NO EXERCISE FROM PMM INSTALL TO A-BOLT COMPLETE

14:00

BIAS-XLV-ZVV

MEAL

18:00

ROBO: 1.310 SSRMS PMM UNBERTH AND INSTALL TO NODE 1 NADIR
Steps 13-17

15:00

EXERCISE

NODE 1 NADIR HATCH LATCH
1. Verify Node 1 Nadir Ratchet in LATCH pos'n
2. Engage Crank Handle
3. Turn Crank Handle in LATCH direction until fully latched
4. Stow Crank Handle

MEAL

19:00

ROBO: 1.510 MNVR TO FI VIEWING

ROBO: 1.510 MNVR TO FI VIEWING

16:00

MEAL

SSRMS FOCUSED INSPECTION CAMERA SUPPORT

20:00

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
OBSS FOCUSED INPSECTION Ref. MSG XXX EXERCISE CONSTRAINT	OBSS FOCUSED INPSECTION Ref. MSG XXX EXERCISE CONSTRAINT	MEAL EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 not required Ref: STS-133 CTCC	NO EXERCISE DURING LCS IMAGING
		133 EVA 2 TOOL CONFIG (EVA, TIMELINES)	
EXERCISE	1.105 NODE1/PMM VESTIBULE PRESSURIZATION AND LEAK CHECK (ASSY OPS, ACTIVATION AND CHECKOUT)		
TRANSFER OPS Ref. Transfer List			
EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD (EVA, TIMELINES)	

Time scale: 17:00, 18:00, 19:00, 20:00; 20:00, 21:00, 22:00, 23:00, 00:00

BIAS-XLV-ZVV

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

MS2 **KOPRA**

MS3 **BARRATT**

MS4 **STOTT**

NOTES

20:00

MEAL

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP
Steps 1-3 not required
Ref: STS-133 CTCC

EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP
Steps 1-3 not required
Ref: STS-133 CTCC

SSRMS FOCUSED INSPECTION CAMERA SUPPORT

NO EXERCISE DURING LCS IMAGING

17:00

4 7 7

21:00

133 EVA 2 TOOL CONFIG
(EVA, TIMELINES)

ROBO: 1.520 MNVR TO EVA 2 START

ROBO: 1.520 MNVR TO EVA 2 START

18:00

5 7 8

TRANSFER OPS
Ref. Transfer List

BIAS - XLV - ZVV

22:00

19:00

EXERCISE

133 EVA 2 TOOL CONFIG
(EVA, TIMELINES)

23:00

EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD
(EVA, TIMELINES)

EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD
(EVA, TIMELINES)

EVA PROC REVIEW Ref. EVA 2 BRIEFING CARD
(EVA, TIMELINES)

6 7 9

20:00

7

00:00

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 005 | STS ATI | CDR LINDSEY | PLT BOE | MS1 DREW | NOTES

21:00 | 22:00 | 23:00 | 00:00

7 | 80 | 8 | 81 | 9 | 82

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

BIAS - XLV - ZVV

CDR LINDSEY

SHUTTLE CONDENSATE COLLECTION
(ORB OPS, ECLS)
Perform CHANGEOUT

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:09-00:34

ILLUMINATOR OPS (CUE CARD, TV)
ILLUMINATORS ON - A,D

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DAILY PLANNING CONFERENCE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLT BOE

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:09-00:34

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 DREW

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:09-00:34

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 2 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (06)

GMT Date 11/06 (310) | W | TDRS E | Z | D/N | DORB 7 8 9 | ORB 80 81 82 | MET Day 005 | STS ATI

MS2 KOPRA

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

BIAS-XLV-ZVV

EVA SYSTEMS: 1.206 10.2 PSIA
CAMPOUT MASK PREBREATHE
Ref: 133 EVA 2 TOOL CONFIG
(EVA, TIMELINES)
Ref: STS-133 CONSUMABLES CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 BARRATT

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:09-00:34

GLACIER STATUS CK (Cue Card) - Both Units
Skip step 1.4 for the FWD Unit in MF28E/G
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 STOTT

TRANSFER TAGUP
Coordinate with transfer counterpart

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 00:09-00:34

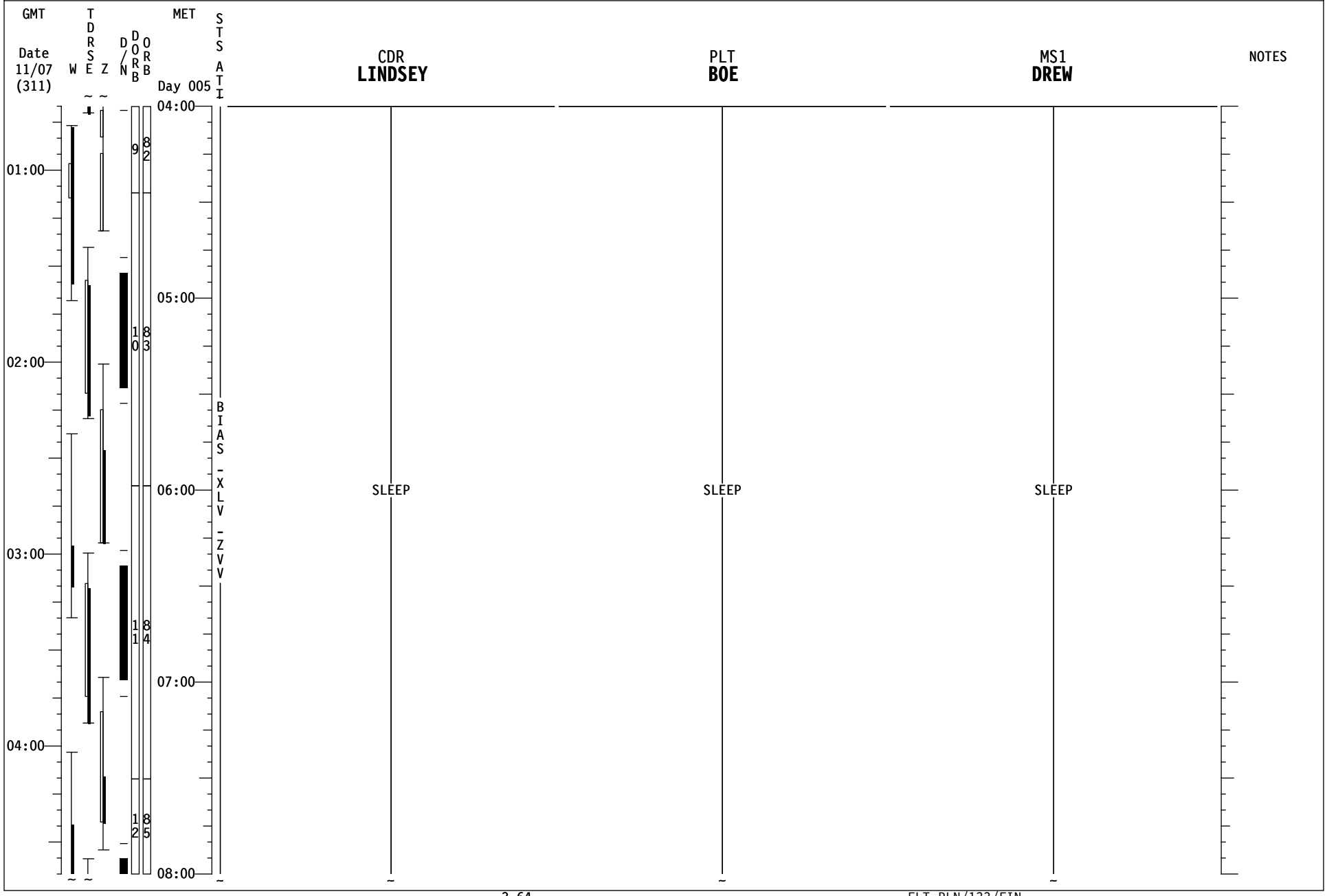
EXERCISE

TRANSFER BRIEF
Call down status to MCC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

STS-133 FD (06)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BIAS-XLV-ZVV
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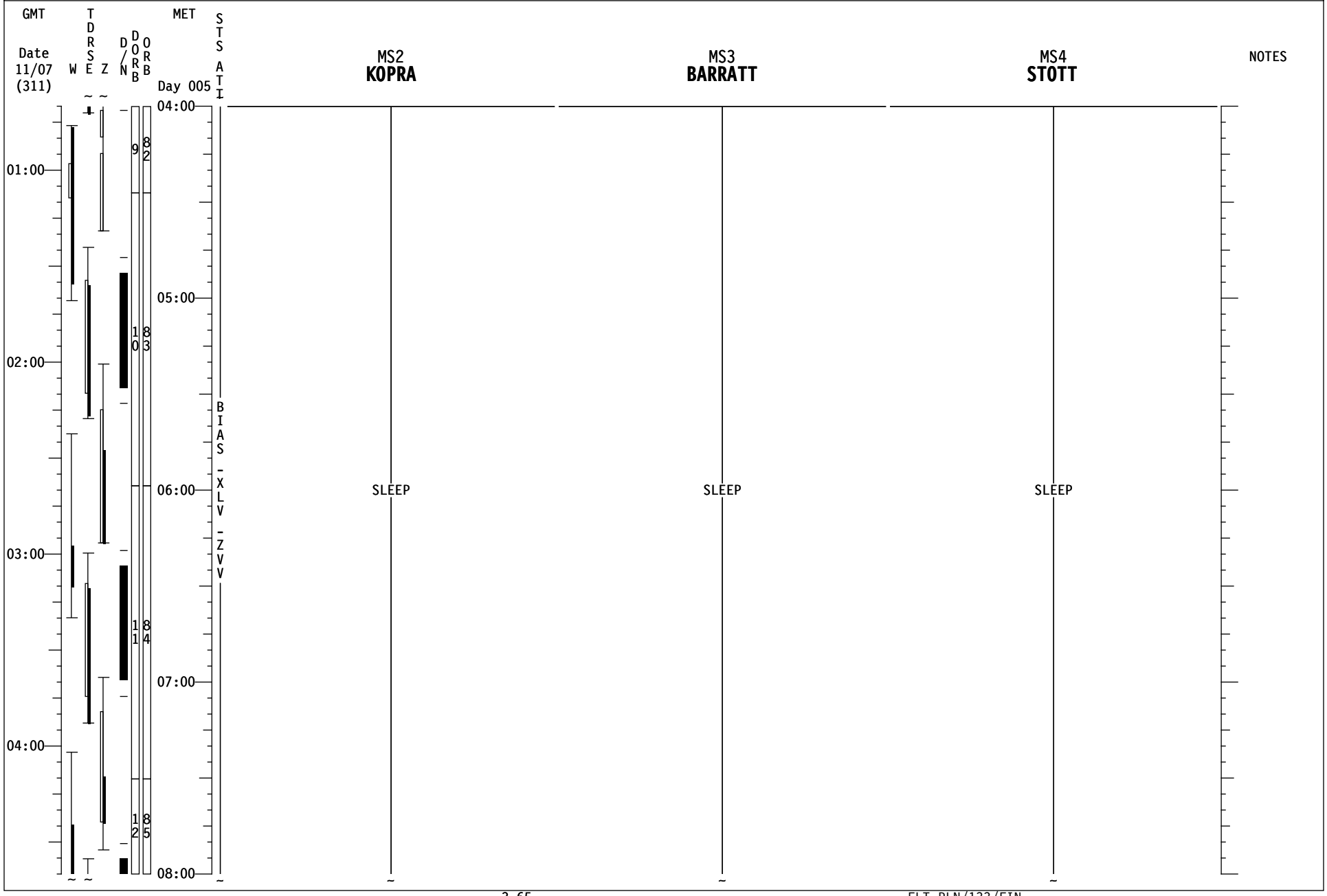
STS-133 FD (06)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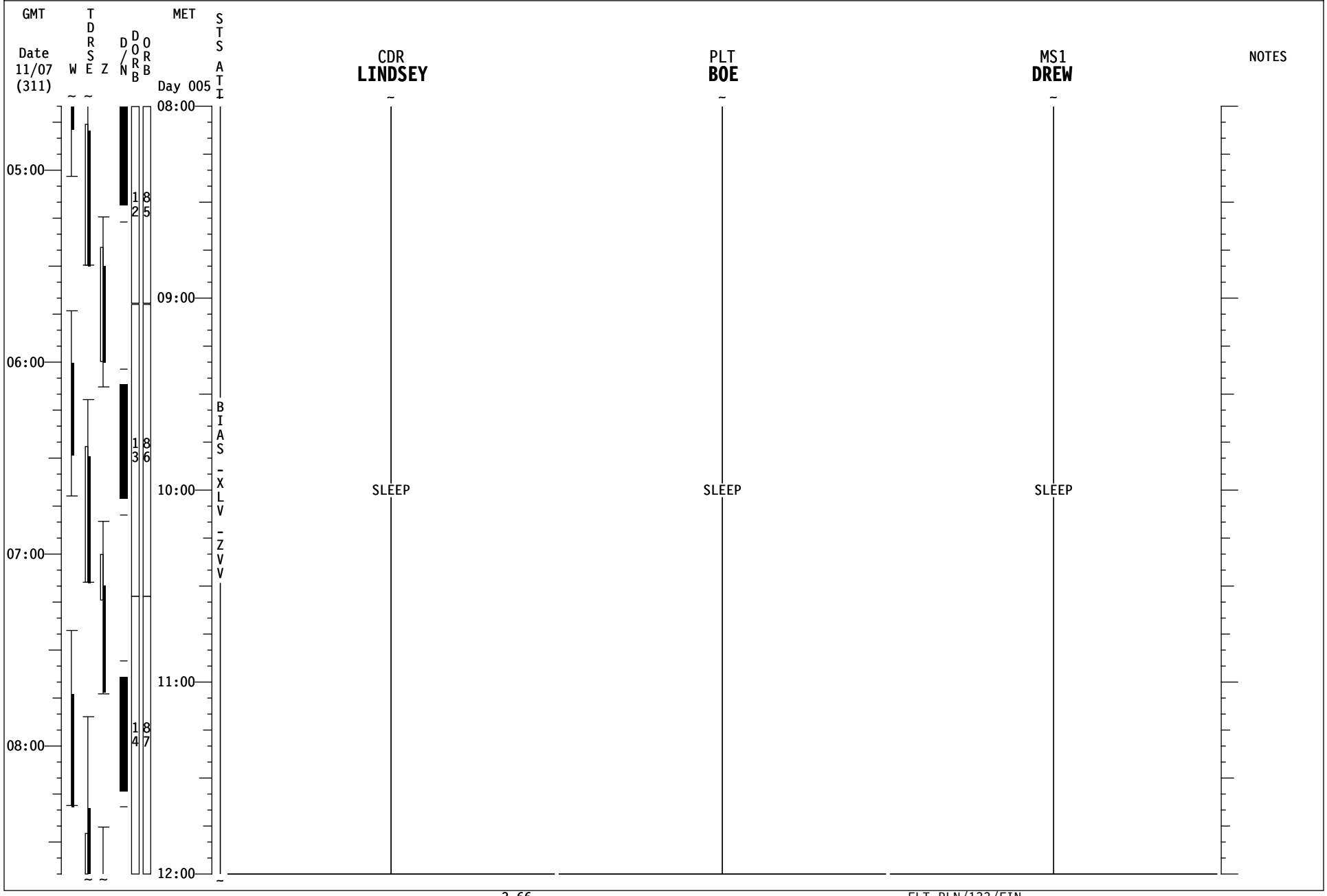
STOTT
SLEEP
NOTES

STS-133 FD (06)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BIAS-XLV-ZVV
SLEEP
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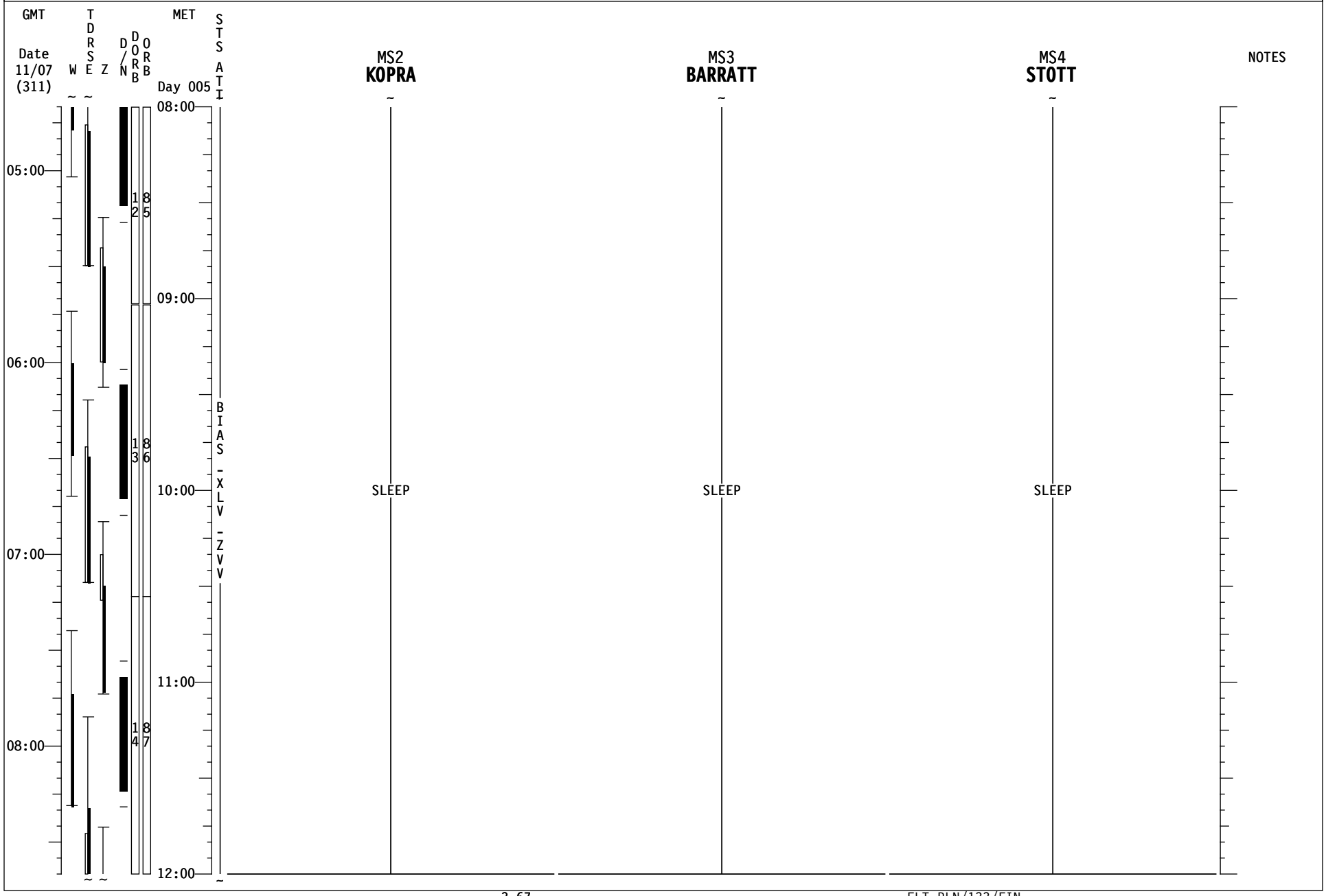
SLEEP

STS-133 FD (06)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MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 005 | STS ATI

CDR LINDSEY

12:00

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

√Hum Seps for H2O accumulation

09:00

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

13:00

10:00

BIAS - XLV - ZVV

14:00

11:00

ILLUMINATOR OPS (CUE CARD, TV)
ILLUMINATORS OFF - A,D

L17 Check MCIU filter screen

15:00

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)

OBSS MNVR TO PM VENT SENSOR CLEAR
(PDRS, OBSS NOMINAL)

12:00

EVA 2 INHIBIT PAD
(EVA,TIMELINES)

PWR FILL
(ORB OPS, ECLS)
Perform WATER FILL #4
Fill SN TBS (Barcode #TBS)
Fill dur ~30 min

16:00

PLT BOE

SLEEP LOGBOOK (ORB OPS, SDBI)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

1.115 PMM VESTIBULE - CONFIGURE FOR INGRESS
(ASSY OPS, ACTIVATION AND CHECKOUT)
Steps 2-8

ON MCC GO:
S&M: 1.101 CBM CNTRLR PANEL ASSEMBLY RMVL-GEN
Steps 2.2-4.10

MS1 DREW

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

EVA SYSTEMS: 1.220 EMU PURGE

EVA SYSTEMS: 1.225 EMU PREBREATHE

NOTES

FD07 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 005 | STS ATI

12:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00

15 88 | 1 89 | 2 90

BIAS - XLV - ZVV

MS2 KOPRA

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

EVA SYSTEMS: 1.220 EMU PURGE

EVA SYSTEMS: 1.225 EMU PREBREATHE

MS3 BARRATT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
MCC-H performs Steps 1-4, 16-20 & 23
Start NET 8:40 hrs from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE

EVA SYSTEMS: 1.216 EVA PREP

EVA SYSTEMS: 1.220 EMU PURGE

EVA SYSTEMS: 1.225 EMU PREBREATHE

MS4 STOTT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

GLACIER STATUS CK (Cue Card) - Both Units
Skip step 1.4 for the FWD Unit in MF28E/G
CGBA STATUS CK (Cue Card)
AEM CHECK (CUE CARD)

GLACIER SET POINT CONTROL MODE
(ASSY OPS, PAYLOADS) GLACIER S/N007

TRANSFER LIST UPDATE
Ref. Transfer List & MSG XXX

EXERCISE

NOTES

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 005 | STS ATI

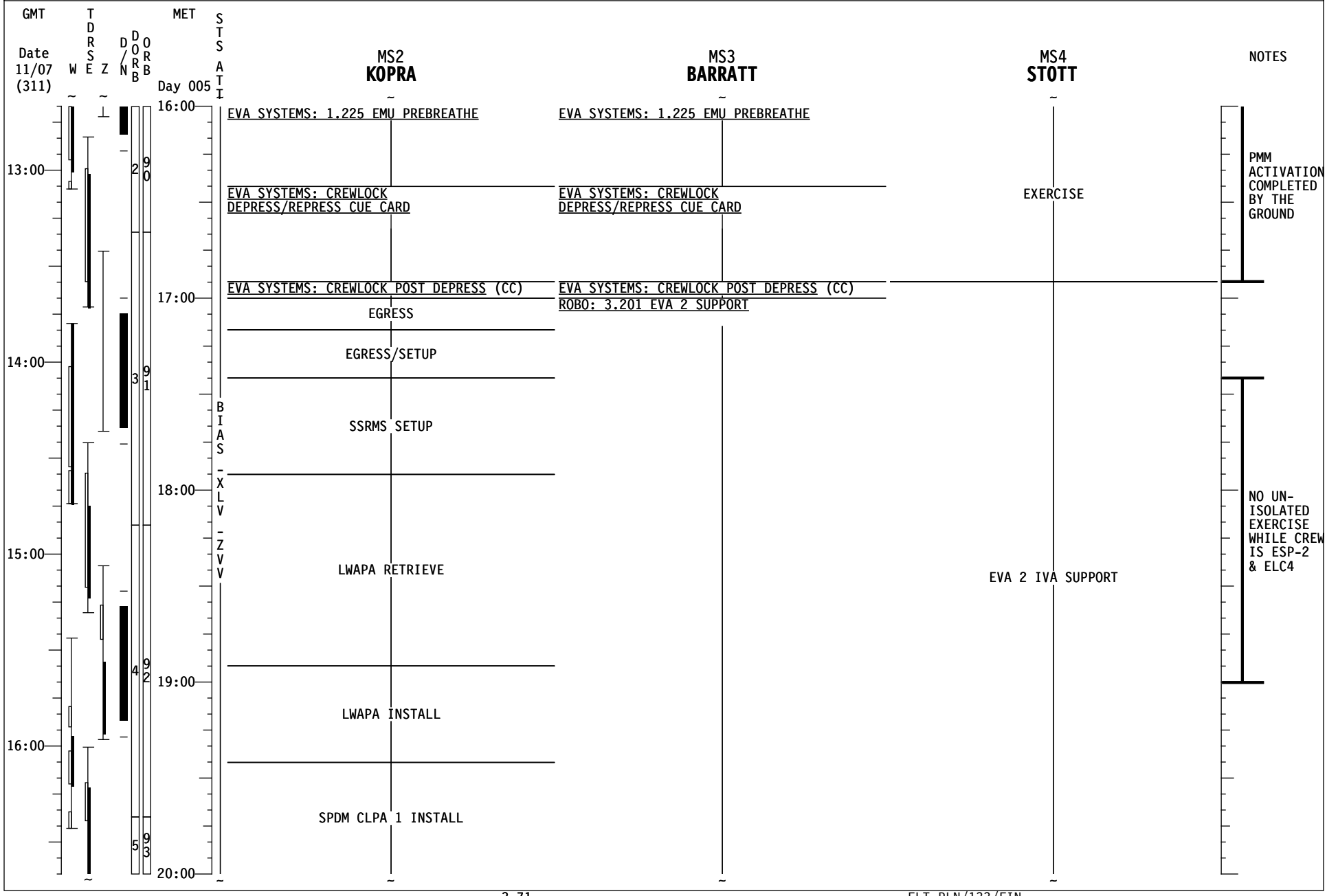
CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
PWR TRANSFER Transfer 1 PWR to ISS	ASSY OPS; 1.115 PMM VESTIBULE - CONFIG FOR INGRESS Step 9	EVA SYSTEMS: 1.225 EMU PREBREATHE	PMM ACTIVATION COMPLETED BY THE GROUND
P/TV07 EVA (PHOTO/TV, SCENES) Setup		EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD	
P/TV07 EVA (PHOTO/TV, SCENES) Ops		EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	
		EGRESS	
		EGRESS/SETUP	
	1.115 PMM VESTIBULE-CONFIG FOR INGRESS (ASSY OPS, ACT & C/O) Steps 10-11		
		VENT OPS & QD BAG CLEANUP	NO UN-ISOLATED EXERCISE WHILE CREW IS ESP-2 & ELC4
		ELC4 EXPCA MLI RMV	
OBSS MNVR TO EVA 2 VIEWING (PDRS, OBSS NOMINAL)	1.115 PMM VESTIBULE-CONFIGURE FOR INGRESS (ASSY OPS, ACT & C/O) Steps 12-15		
P/TV07 EVA (PHOTO/TV, SCENES) Ops		JSB PICKUP	
	1.125 PMM INGRESS (ASSY OPS, ACT & C/O) skip step 3.2		
MEAL	MEAL	P3 CETA LIGHT	

Time scale: 13:00, 14:00, 15:00, 16:00; 16:00, 17:00, 18:00, 19:00, 20:00

Orbits: 2 90, 3 91, 4 92, 5 93

BIAS - XLV - ZVV

STS-133 FD (07)


GMT
Date 11/07 (311)
W
T D R S E
Z
D/N
D O R B
O R B
MET
Day 005
S T S A T I
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
13:00
14:00
15:00
16:00
16:00
17:00
18:00
19:00
20:00
2
3
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90
91
92
93
B I A S - X L V - Z V V
EVA SYSTEMS: 1.225 EMU PREBREATHE
EVA SYSTEMS: 1.225 EMU PREBREATHE
EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD
EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CUE CARD
EXERCISE
EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)
EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)
ROBO: 3.201 EVA 2 SUPPORT
EGRESS
EGRESS/SETUP
SSRMS SETUP
LWAPA RETRIEVE
EVA 2 IVA SUPPORT
LWAPA INSTALL
SPDM CLPA 1 INSTALL
PMM ACTIVATION COMPLETED BY THE GROUND
NO UN-ISOLATED EXERCISE WHILE CREW IS ESP-2 & ELC4

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 005 | STS ATI

17:00 | 18:00 | 19:00 | 20:00

5 9 3 | 6 9 4 | 7 9 5

20:00 | 21:00 | 22:00 | 23:00 | 00:00

BIAS - XLV - ZVV

CDR LINDSEY

MEAL

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

EXERCISE

PLT BOE

MEAL

TRANSFER OPS
Ref. Transfer List

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 DREW

P3 CETA LIGHT

P1 RBVM BOOTIE

P1 RADIATOR GRAPPLE STOW
BEAM TROUBLESHOOTING

NODE 3 MLI REMOVAL

POA CLA COVER

GET AHEAD

EVA 2 CLEANUP AND INGRESS

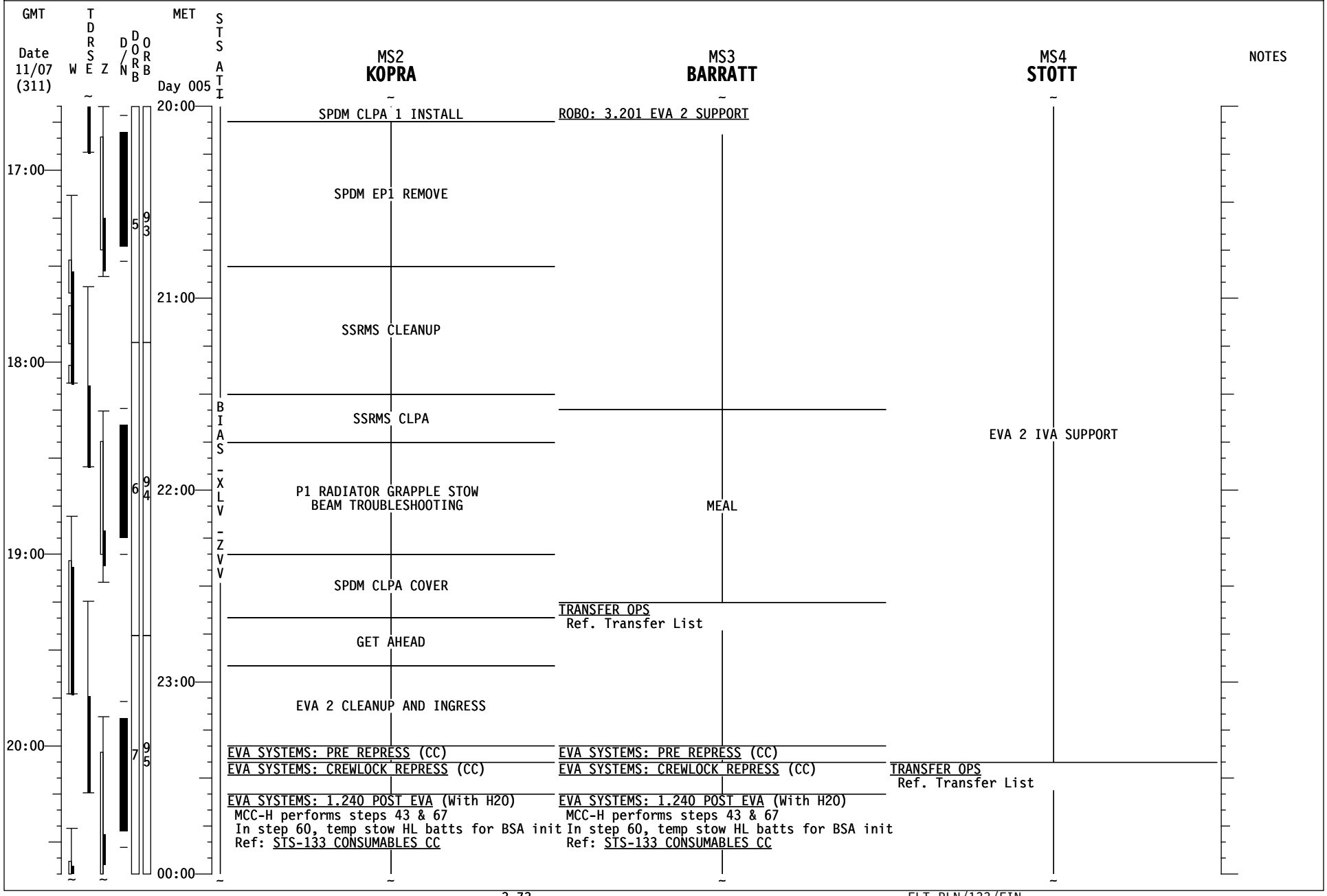
EVA SYSTEMS: PRE REPRESS (CC)

EVA SYSTEMS: CREWLOCK REPRESS (CC)

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC

NOTES

STS-133 FD (07)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Date 11/07 (311)
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TDRS E
Z
D/N
DORB
DORB
MET
Day 005
STS ATI
BIAS -XLV -ZVV
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
NOTES
17:00
18:00
19:00
20:00
20:00
21:00
22:00
23:00
00:00
5
6
7
93
94
95
SPDM CLPA 1 INSTALL
SPDM EP1 REMOVE
SSRMS CLEANUP
SSRMS CLPA
P1 RADIATOR GRAPPLE STOW
BEAM TROUBLESHOOTING
SPDM CLPA COVER
GET AHEAD
EVA 2 CLEANUP AND INGRESS
EVA SYSTEMS: PRE REPRESS (CC)
EVA SYSTEMS: CREWLOCK REPRESS (CC)
EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC
ROBO: 3.201 EVA 2 SUPPORT
MEAL
TRANSFER OPS
Ref. Transfer List
EVA SYSTEMS: PRE REPRESS (CC)
EVA SYSTEMS: CREWLOCK REPRESS (CC)
EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC
EVA 2 IVA SUPPORT
TRANSFER OPS
Ref. Transfer List

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 006 | STS ATI | CDR LINDSEY | PLT BOE | MS1 DREW | NOTES

21:00 | 22:00 | 23:00 | 00:00

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

7 95 | 8 96 | 9 97 | 10 98

BIAS-XLV-ZVV

CDR LINDSEY

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

OBSS MNVR TO UNDOCK
(PDRS, OBSS NOMINAL)

PRIVATE MEDICAL CONFERENCE D

ILLUMINATOR OPS (CUE CARD, TV)
ILLUMINATORS ON - A,D

JNT OPS:3.117 LOW PRESS TANK O2 XFER Step 2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

D L9 PAYLOAD STATION AUDIO A/G (two) - OFF
NETMEETING VIDEO CONFERENCING
(ORB OPS, OCA) Private Medical Conference
Omit steps 1.2 and 3, use A/G2 for audio,
Inform MCC which PGSC will be used
KU TDRW (01:32-02:06)

SLEEP

PLT BOE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

JOINT OPS: 3.123 O2 TRANSFER SETUP (POST PREBREATHE USING SHUTTLE O2)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS1 DREW

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

STS-133 FD (07)

GMT Date 11/07 (311) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 006 | STS ATI

21:00 | 22:00 | 23:00 | 00:00

7 95 | 8 96 | 9 97 | 10 98

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

BIAS - XLV - ZVV

MS2 KOPRA

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS3 BARRATT

EVA SYSTEMS: 1.240 POST EVA (With H2O)
MCC-H performs steps 43 & 67
In step 60, temp stow HL batts for BSA init
Ref: STS-133 CONSUMABLES CC

MYCO BODY SAMPLE COLLECTION
(ASSY OPS, PAYLOADS) REVIEW ONLY

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS4 STOTT

TRANSFER OPS
Ref. Transfer List

TRANSFER TAGUP
Coordinate with transfer counterpart

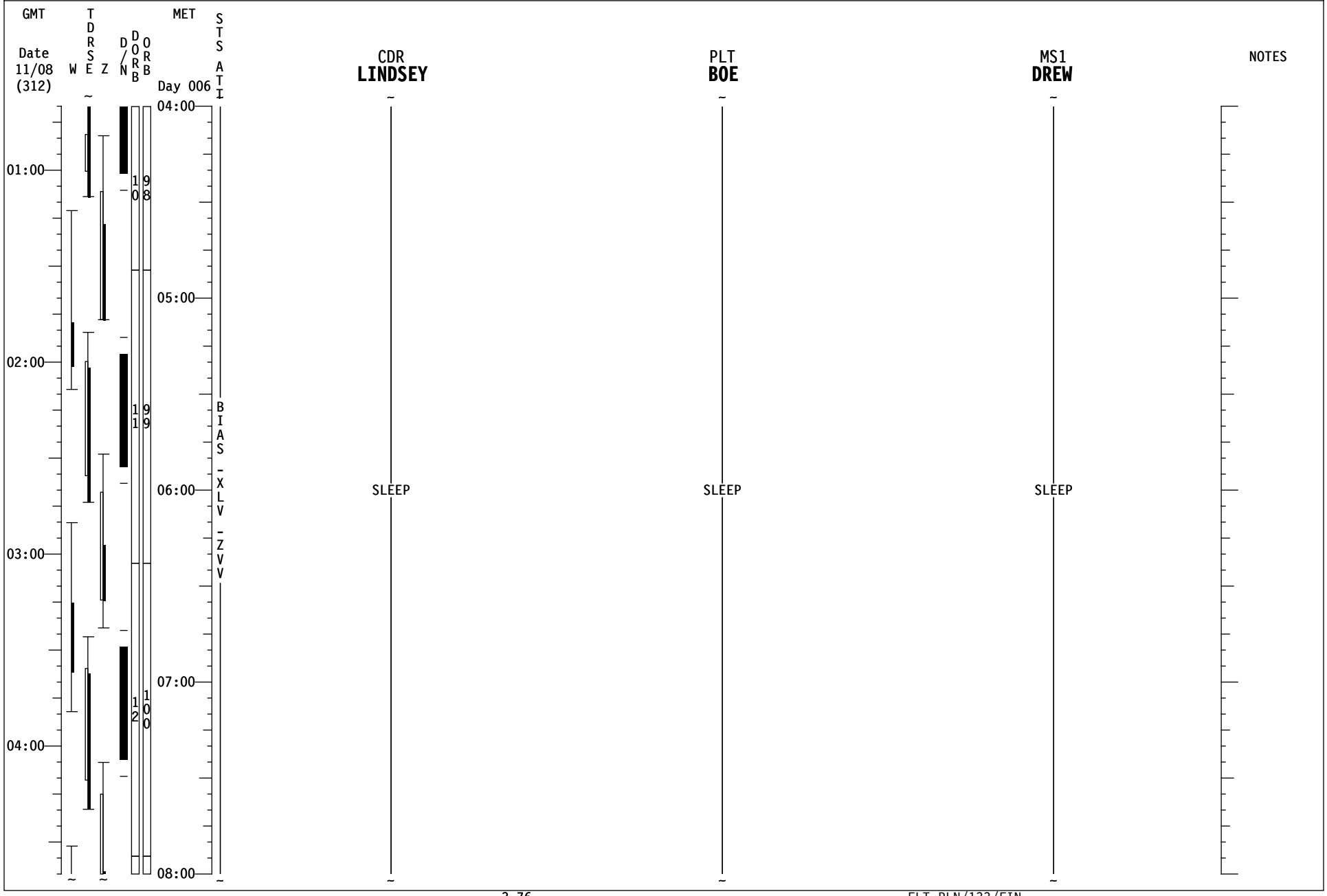
TRANSFER BRIEF
Call down status to MCC

GLACIER STATUS CK (Cue Card) - Both Units
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

NOTES

STS-133 FD (07)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(312)
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CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
01:00
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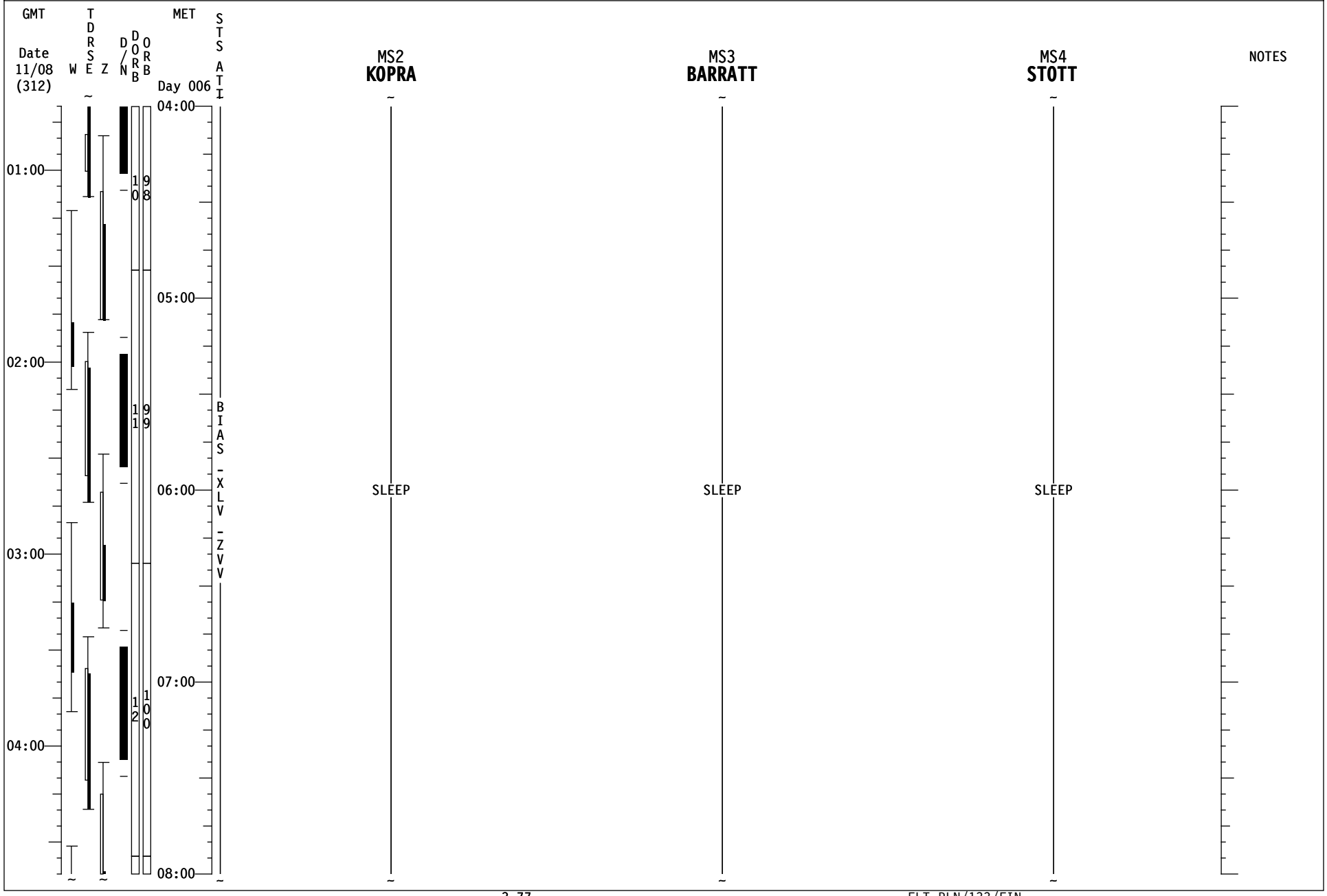
BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP

STS-133 FD (07)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12
98
99
100
BIAS -XLV -ZVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (08)

GMT Date 11/08 (312) | W | TDRSE | Z | D/N | DORB 13 14 15 | DORB 101 102 103 | MET Day 006 | STS ATI

08:00 09:00 10:00 11:00 12:00

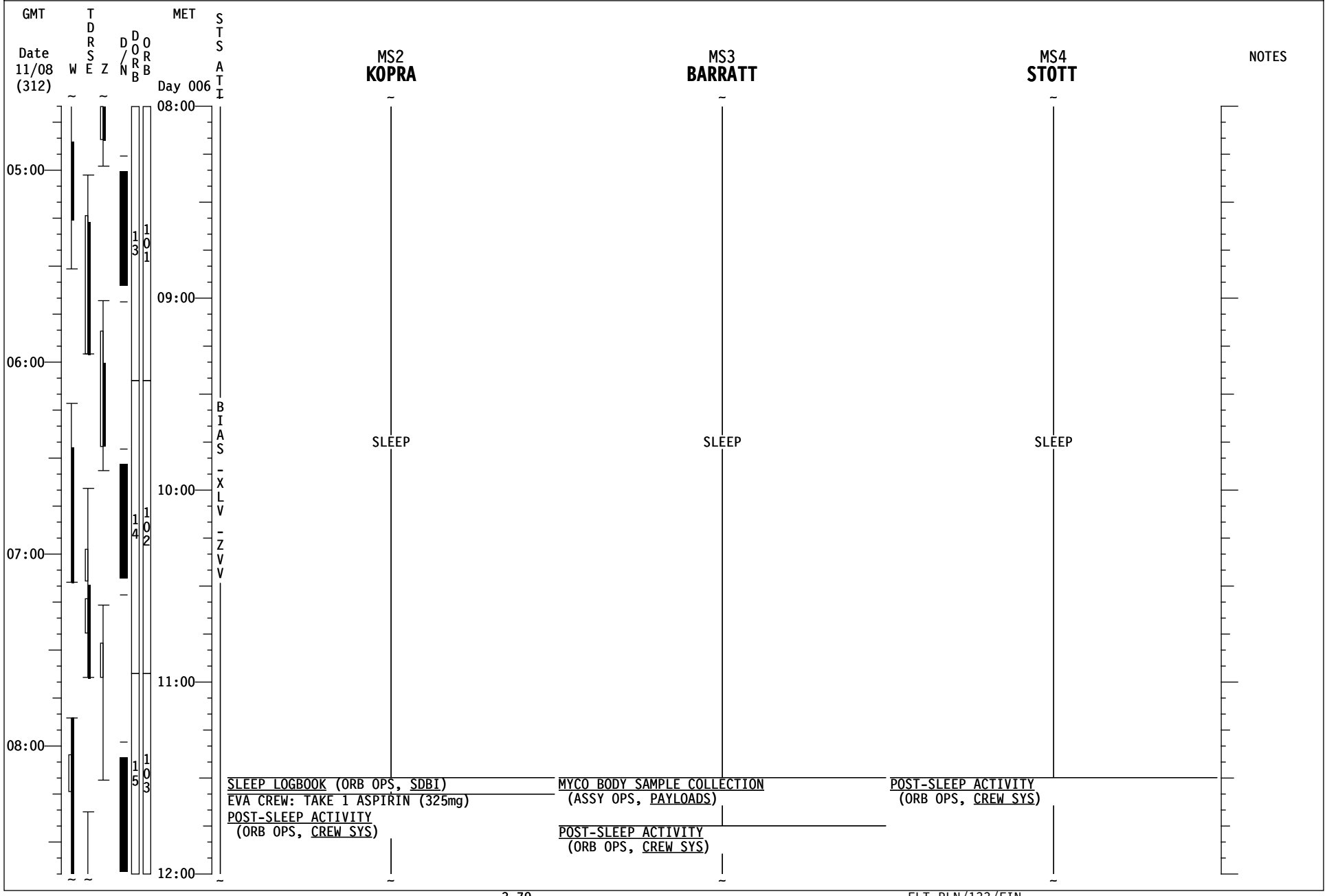
05:00 06:00 07:00 08:00

STS ATI: BIAS -XLV -ZVV

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
SLEEP	SLEEP	SLEEP	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (ORB OPS, SDBI) EVA CREW: TAKE 1 ASPIRIN (325mg) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

FD08 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

STS-133 FD (08)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Date 11/08 (312)
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DORB
ORB
MET
Day 006
STS ATI
08:00
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06:00
07:00
08:00
09:00
10:00
11:00
12:00
13
14
15
101
102
103
BIAS -XLV -ZVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
EVA CREW: TAKE 1 ASPIRIN (325mg)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
MYCO BODY SAMPLE COLLECTION
(ASSY OPS, PAYLOADS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (08)

GMT Date 11/08 (312) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 006 | STS ATI

09:00 | 10:00 | 11:00 | 12:00

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

15 | 103 | 16 | 104 | 1 | 105 | 2 | 106

BIAS - XLV - ZVV

CDR LINDSEY

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

TRANSFER OPS
Ref. Transfer List

HANDOVER ATTITUDE CONTROL B

PLT BOE

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

A N2 REPRESS USING P/L N2 VLVS
(ORB OPS, ECLS)Steps 1-5;
on MCC go, perform step 6

B √A12/FREE/VERN
When ISS in Free Drift, DAP:LVLH
When Jet activity stopped for >5 sec,
DAP:FREE > 2 sec, then DAP:AUTO

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

N2 REPRESS INIT A
ILLUMINATOR OPS (CUE CARD, TV)
ILLUMINATORS OFF - A,D

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

TRANSFER OPS
Ref. Transfer List

MS1 DREW

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform EQUIP PREP and
WATER TRANSFER HOSE PURGE
Init CWC FILL #1
Fill duration ~XX min
Ref MSG XXX

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

VISION EXAM
Retrieve Visual Acuity Charts from MAK,
Complete Exam and Questionnaire

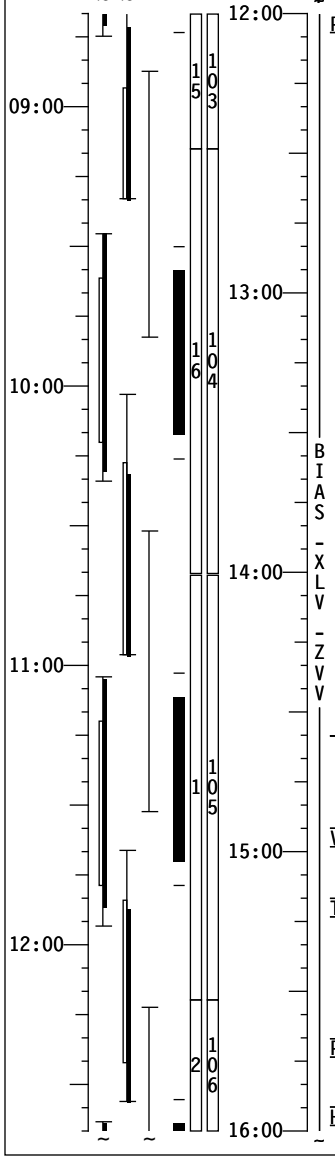
SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform FILL TERMINATION

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS) Init Fill #2
Ref MSG XXX

NOTES

STS-133 FD (08)

GMT Date 11/08 (312) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 006 | STS ATI



BIAS - XLV - ZVV

MS2 KOPRA

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

VISION EXAM
Retrieve Visual Acuity Charts from MAK, Complete Exam and Questionnaire

TRANSFER OPS
Ref. Transfer List

P/TV09 MIDDECK PAYLOADS
(PHOTO/TV, SCENES)
Ops Item 1 (Hardware)

HAND-HELD LIDAR CHECKOUT/OPS
(RNDZ, RNDZ TOOLS)

MS3 BARRATT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

AEM CHECK (CUE CARD)

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

GLACIER STATUS CK (Cue Card) - Both Units

CGBA STATUS CK (Cue Card)

VISION EXAM
Retrieve Visual Acuity Charts from MAK, Complete Exam and Questionnaire

FILTER CLEANING (IFM,SCHEDULED MAINTENANCE)
Inspect filters and clean as necessary

MS4 STOTT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

TRANSFER LIST UPDATE
Ref. Transfer List & MSG XXX

VISION EXAM
Retrieve Visual Acuity Charts from MAK, Complete Exam and Questionnaire

PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 14:26-15:06

GLACIER SWAP - SHUTTLE
(ASSY OPS, PAYLOADS)

GLACIER COLD HEAD CHECK (ASSY OPS, PAYLOADS)
Check Glacier S/N007

NOTES

STS-133 FD (08)

GMT Date 11/08 (312) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 006 | STS ATT

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
MNVR (TRK) REBOOST TGT=2 BV=5 P=176 Y=0 OM=177 A12/AUTO/VERN, Init TRK AUTO REBOOST Ref. MSG XXX TIG: XX:XX	TRANSFER OPS Ref. Transfer List AUTO REBOOST Ref. MSG XXX TIG: XX:XX	TRANSFER OPS Ref. Transfer List	
MNVR (TRK) BIAS -XLV -ZVV TGT=2 BV=5 P=162.91 Y=0.03 OM=170.10 A12/AUTO/VERN, Init TRK When ISS is GO for deadband collapse, DAP:B13 IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) ATT H/O TO ISS C	PUBLIC AFFAIRS EVENT ISS KU AVAIL: 16:48-17:18 N2 REPRESS USING P/L N2 VLVS (ORB OPS, ECLS) on MCC go, perform steps 7-12	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION CWC TRANSFER Transfer 2 CWCs to ISS	NO UN-ISOLATED EXERCISE DURING DDC
C When ISS is GO for att. control, DAP: FREE Then return to DAP A, √A12/FREE/VERN Reconfig DAP B to B12			
MEAL	MEAL	MEAL	
CREW CHOICE DOWNLINK (CUE CARD, PLAYBACK) ISS KU: 18:20-18:59	CREW CHOICE DOWNLINK (CUE CARD, PLAYBACK) ISS KU: 18:20-18:59	CREW CHOICE DOWNLINK (CUE CARD, PLAYBACK) ISS KU: 18:20-18:59	
PMM FLAG SIGNING	PMM FLAG SIGNING	PMM FLAG SIGNING	
OFF DUTY	OFF DUTY	OFF DUTY	

Time scale: 13:00, 14:00, 15:00, 16:00; 16:00, 17:00, 18:00, 19:00, 20:00

STS ATT: REBOOST; BIAS -XLV -ZVV

ORB: 2 106; 3 107; 4 108

STS-133 FD (08)

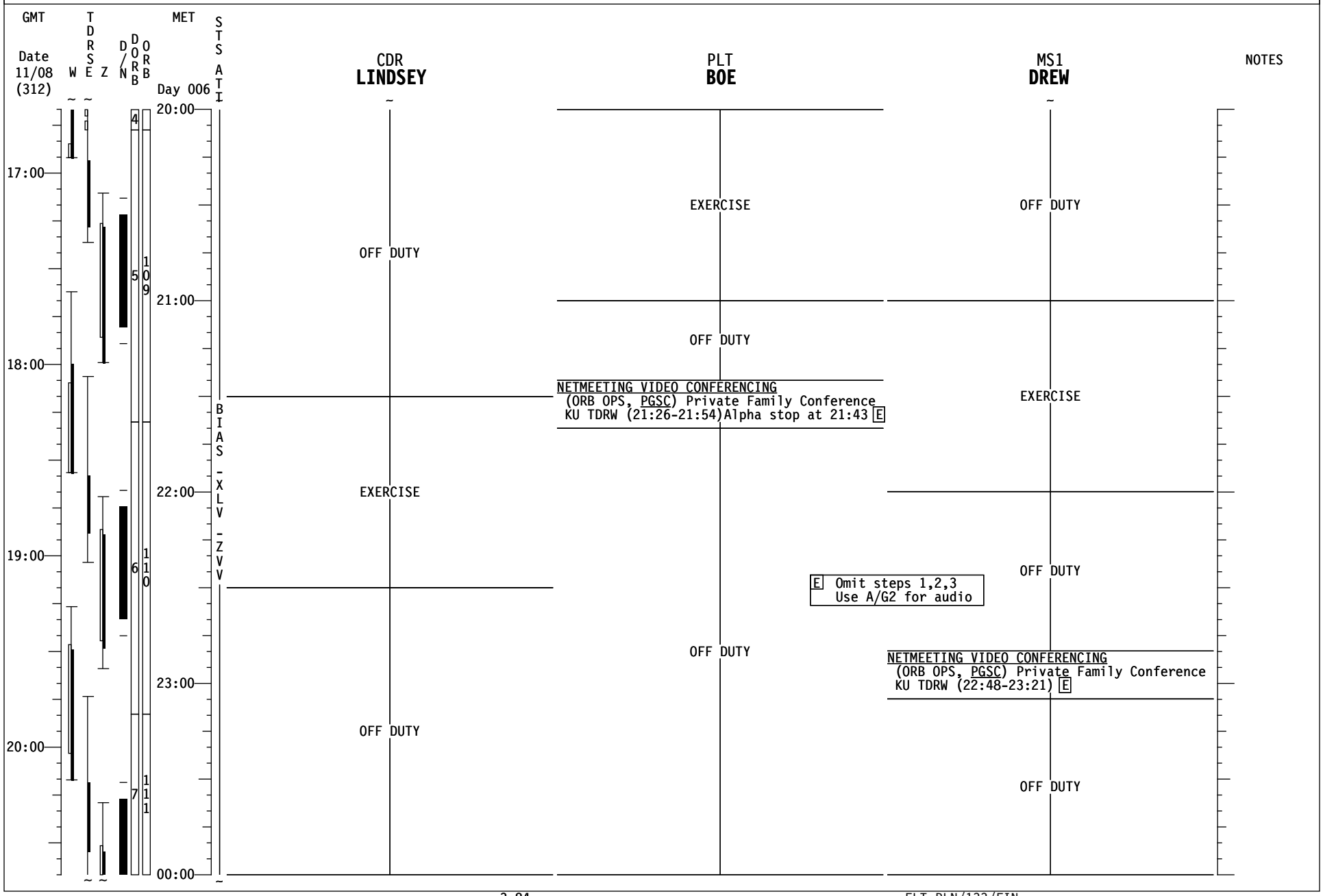
GMT Date 11/08 (312) | W | TDRS E | TDRS Z | D/N | DORB 2 | DORB 3 | DORB 4 | ORB 106 | ORB 107 | ORB 108 | MET Day 006

STS ATI REBOOST BIAS-XLV-ZVV

MET	MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
16:00	HAND-HELD LIDAR CHECKOUT/OPS (RNDZ, RNDZ TOOLS)	TRANSFER OPS Ref. Transfer List	GLACIER COLD HEAD CHECK (ASSY OPS, PAYLOADS) Check Glacier S/N007	
			REVIEW ONLY: ULF-5 DESCENT SAMPLE TRANSFER FROM MELFI TO GLACIER (ASSY OPS, PAYLOADS)	
13:00	SAFER CHECKOUT & SWAP (EVA, AIRLOCK CONFIG)		ULF-5 DESCENT SAMPLE TRANSFER FROM MELFI TO GLACIER (ASSY OPS, PAYLOADS) Insert into Glacier S/N007	
			CGBA: 2.026 NLP-CELLS STOW BAG SWAP	
17:00				
14:00	SAFER TRANSFER Ref. Transfer List	MED C/L: EYE EXAM - ULTRASOUND (Operator) Steps 7-9 Ref: REFERENCE IMAGES - EYE ULTRASOUND	MED C/L: EYE EXAM - ULTRASOUND (Subject) Steps 7-9 Ref: REFERENCE IMAGES - EYE ULTRASOUND	NO UN-ISOLATED EXERCISE DURING DDC
			GLACIER COLD HEAD CHECK (ASSY OPS, PAYLOADS) Check Glacier S/N007	
18:00	MEAL	MEAL	MEAL	
15:00	CREW CHOICE DOWNLINK (CUE CARD, PLAYBACK) ISS KU: 18:20-18:59		GLACIER CONFIG FOR DESCENT (ASSY OPS, PAYLOADS) GLACIER S/N007	
19:00	PMM FLAG SIGNING	PMM FLAG SIGNING	PMM FLAG SIGNING	
			OFF DUTY	
16:00	OFF DUTY	OFF DUTY	NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC) Private Family Conference KU TDRZ (19:20-19:36) [E]	
			OFF DUTY	
20:00				

[E] Omit steps 1,2,3
Use A/G2 for audio

STS-133 FD (08)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Date 11/08 (312)
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ORB
MET
Day 006
STS ATI
CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
17:00
18:00
19:00
20:00
20:00
21:00
22:00
23:00
00:00
4
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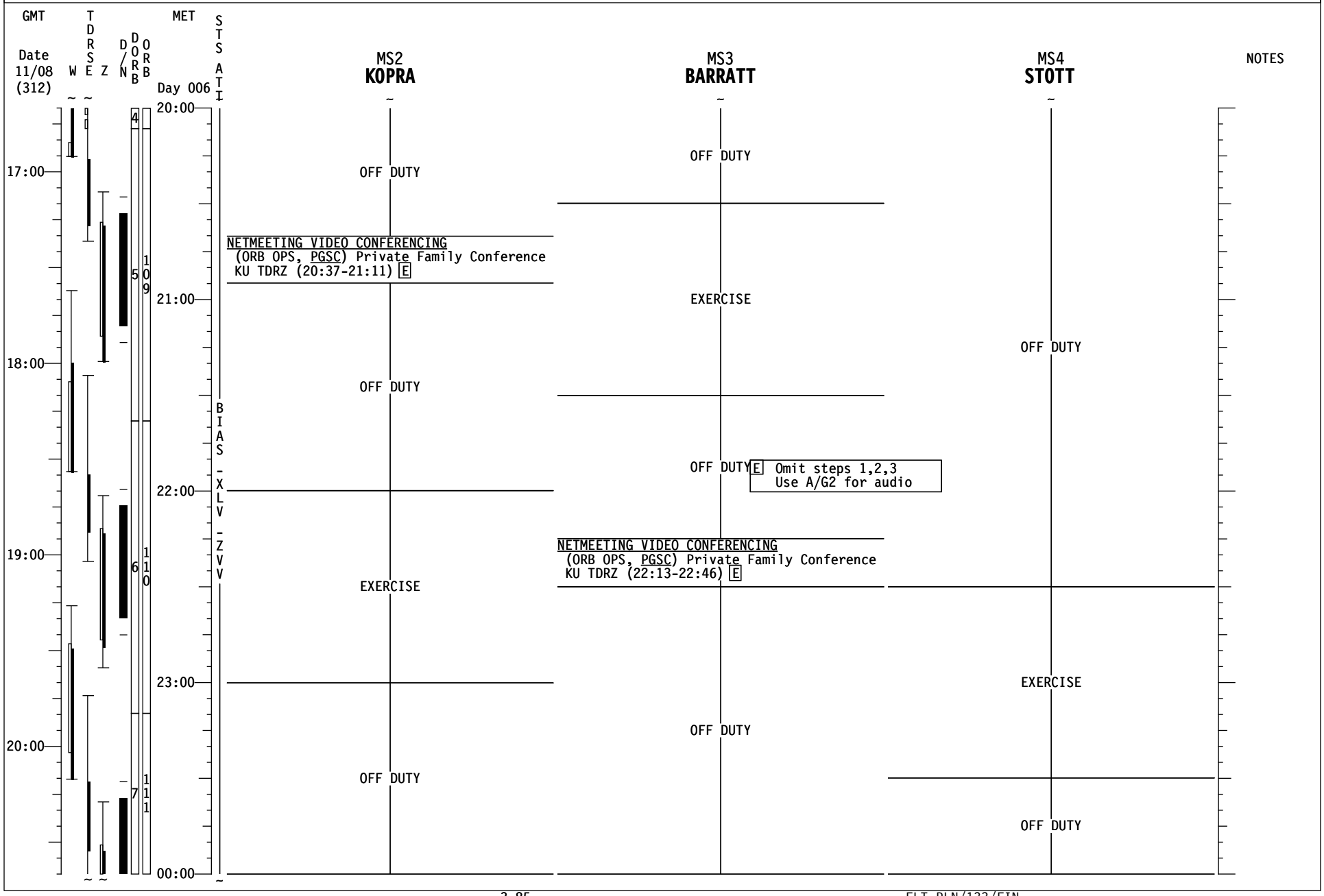
6
7
109
110
111
BIAS - XLV - ZVV
OFF DUTY
EXERCISE
OFF DUTY
EXERCISE
OFF DUTY
OFF DUTY
OFF DUTY
EXERCISE
OFF DUTY
OFF DUTY
NETMEETING VIDEO CONFERENCING
(ORB OPS, PGSC) Private Family Conference
KU TDRW (21:26-21:54)Alpha stop at 21:43 E
E Omit steps 1,2,3
Use A/G2 for audio
NETMEETING VIDEO CONFERENCING
(ORB OPS, PGSC) Private Family Conference
KU TDRW (22:48-23:21) E

STS-133 FD (08)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STS ATI
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
17:00
18:00
19:00
20:00
20:00
21:00
22:00
23:00
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4
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7
109
110
111
BIAS-XLV-ZVV
OFF DUTY
NETMEETING VIDEO CONFERENCING
(ORB OPS, PGSC) Private Family Conference
KU TDRZ (20:37-21:11) E
OFF DUTY
EXERCISE
OFF DUTY
OFF DUTY
OFF DUTY
E Omit steps 1,2,3
Use A/G2 for audio
NETMEETING VIDEO CONFERENCING
(ORB OPS, PGSC) Private Family Conference
KU TDRZ (22:13-22:46) E
EXERCISE
OFF DUTY
OFF DUTY
EXERCISE
OFF DUTY

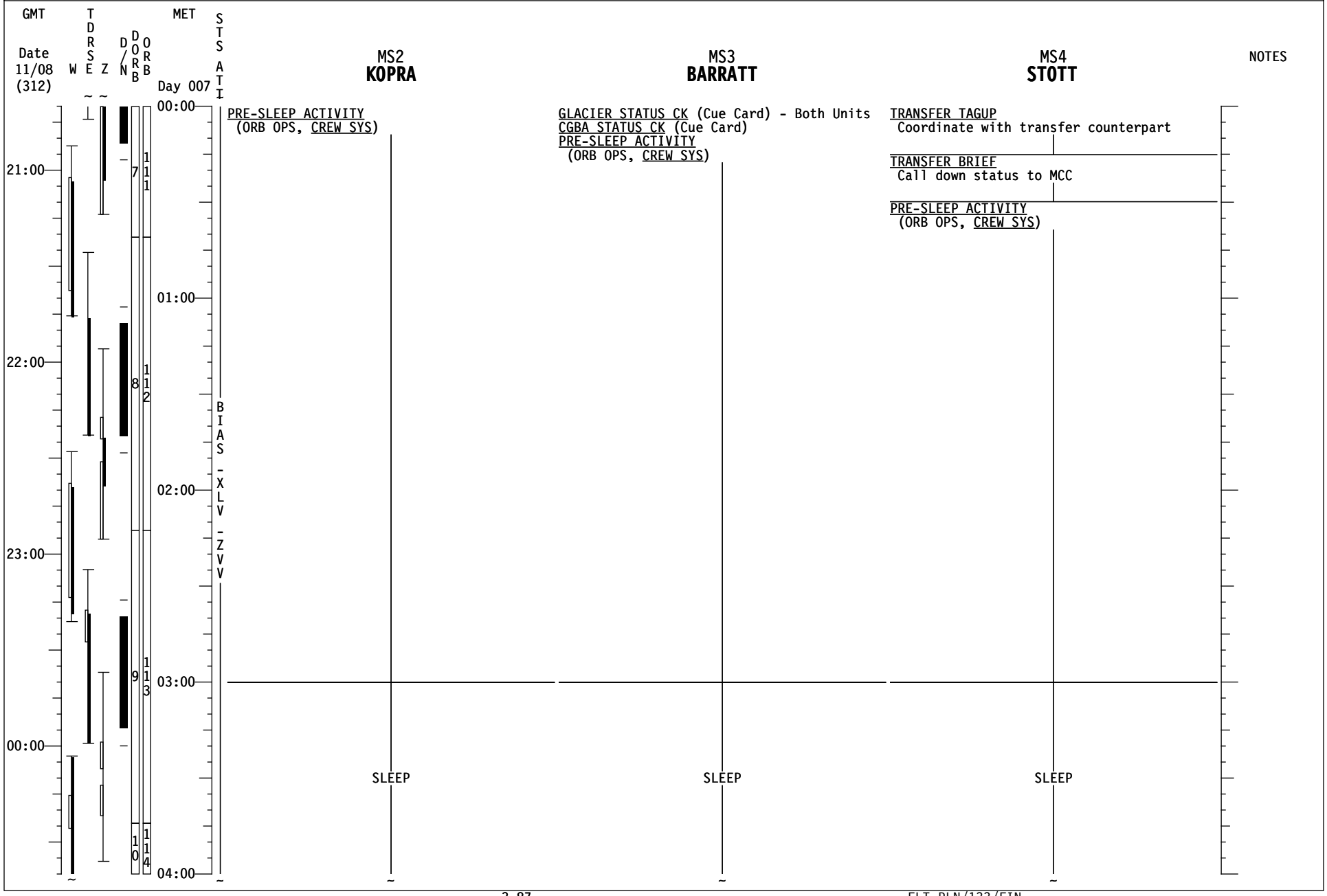
STS-133 FD (08)

GMT Date 11/08 (312) | W | TDRS E | TDRS Z | D/N | DORB 7 8 9 10 | ORB 111 112 113 114 | MET Day 007 | STS ATI BIAS -XLV -ZVV

CDR **LINDSEY**	PLT **BOE**	MS1 **DREW**	NOTES
ILLUMINATOR OPS (CUE CARD, TV) ILLUMINATORS ON - A,D	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
DAILY PLANNING CONFERENCE			
NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC) Private Family Conference KU TDRW (00:23-00:57) [E]			
PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
SLEEP	SLEEP	SLEEP	

[E] Omit steps 1,2,3
Use A/G2 for audio

STS-133 FD (08)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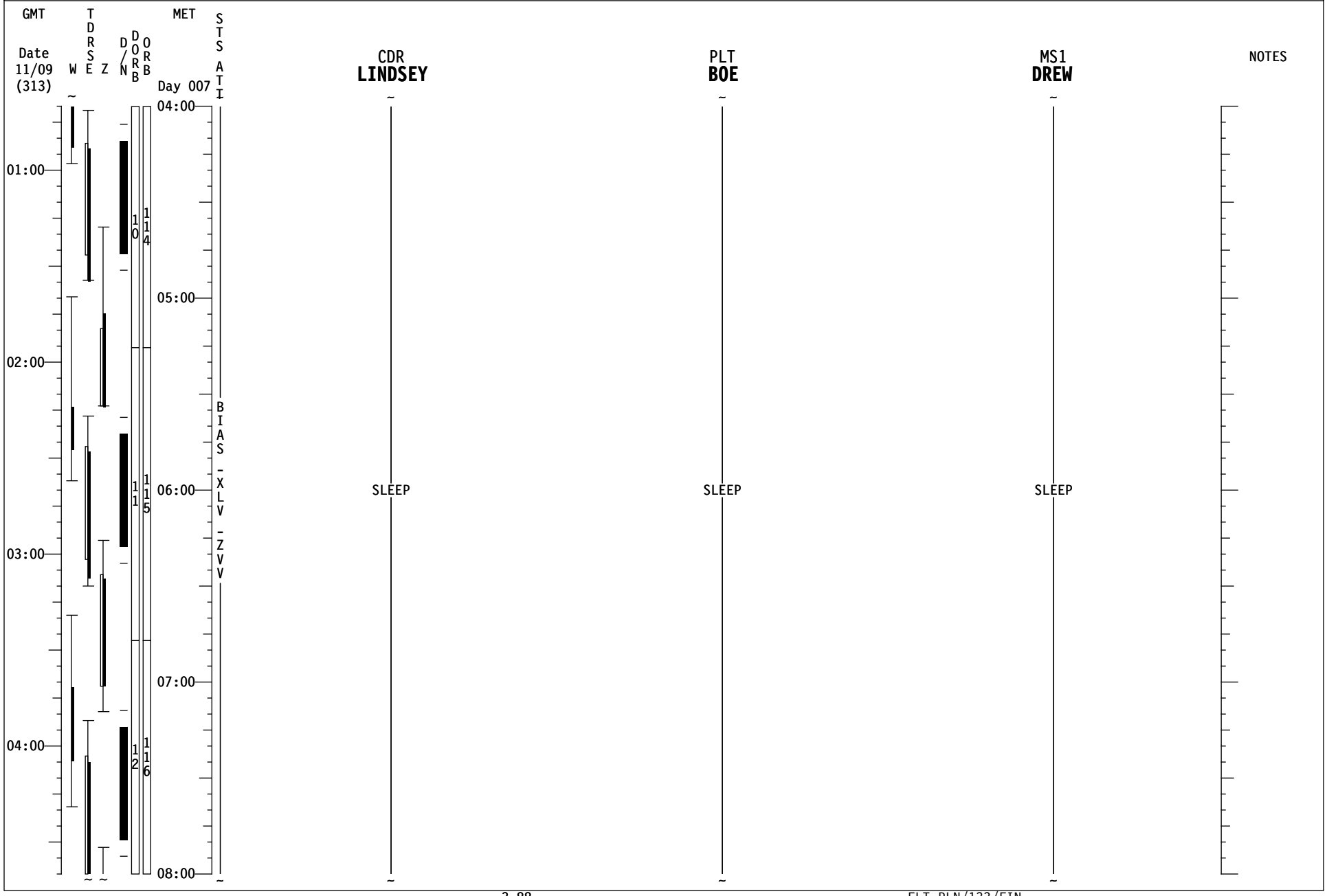
112
113
114
BIAS -XLV -ZVV
MS2
KOPRA
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS3
BARRATT
GLACIER STATUS CK (Cue Card) - Both Units
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS4
STOTT
TRANSFER TAGUP
Coordinate with transfer counterpart
TRANSFER BRIEF
Call down status to MCC
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
NOTES

STS-133 FD (08)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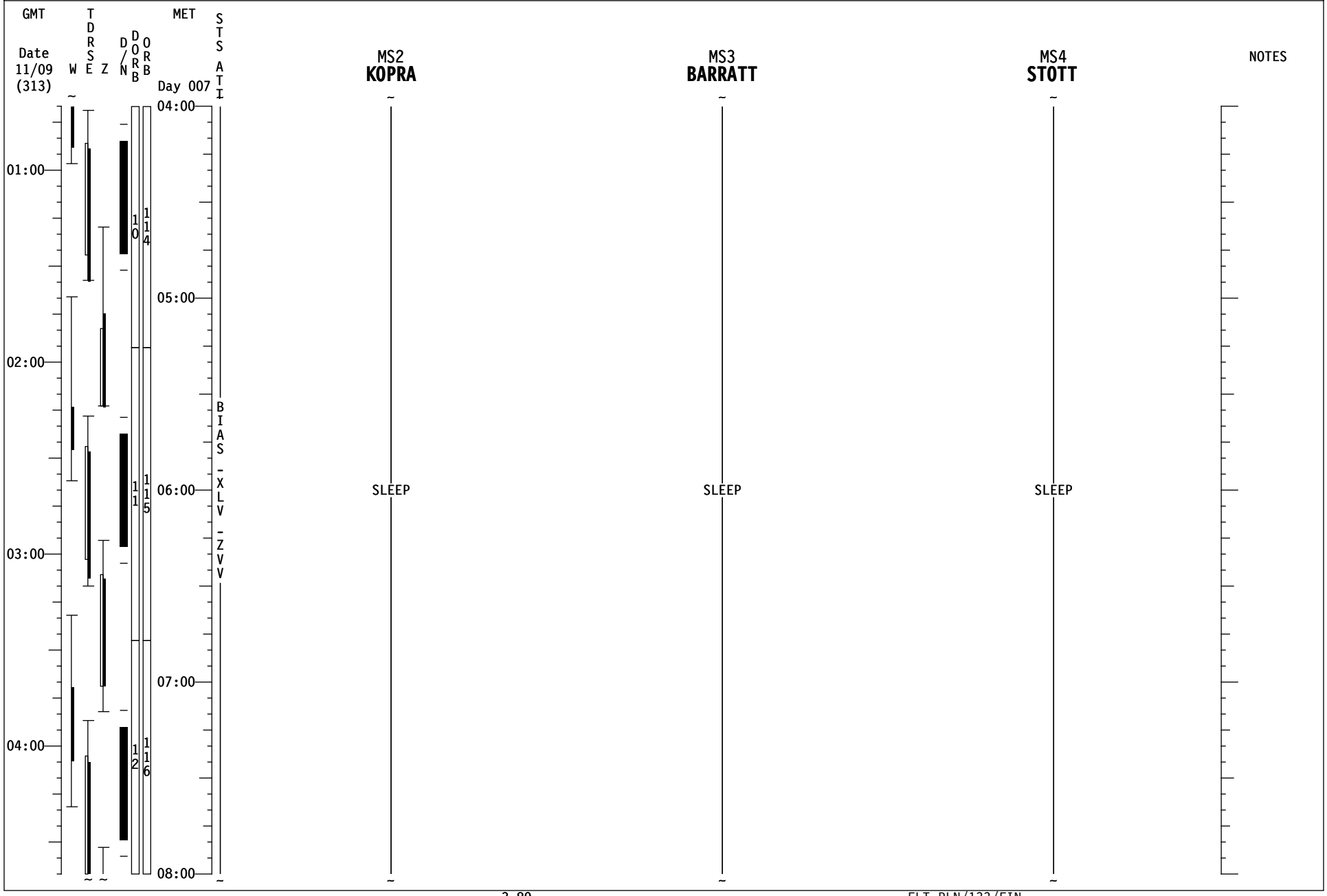
114
115
116
BIAS -XLV -ZVV
CDR
LINDSEY
SLEEP
PLT
BOE
SLEEP
MS1
DREW
SLEEP
NOTES

STS-133 FD (08)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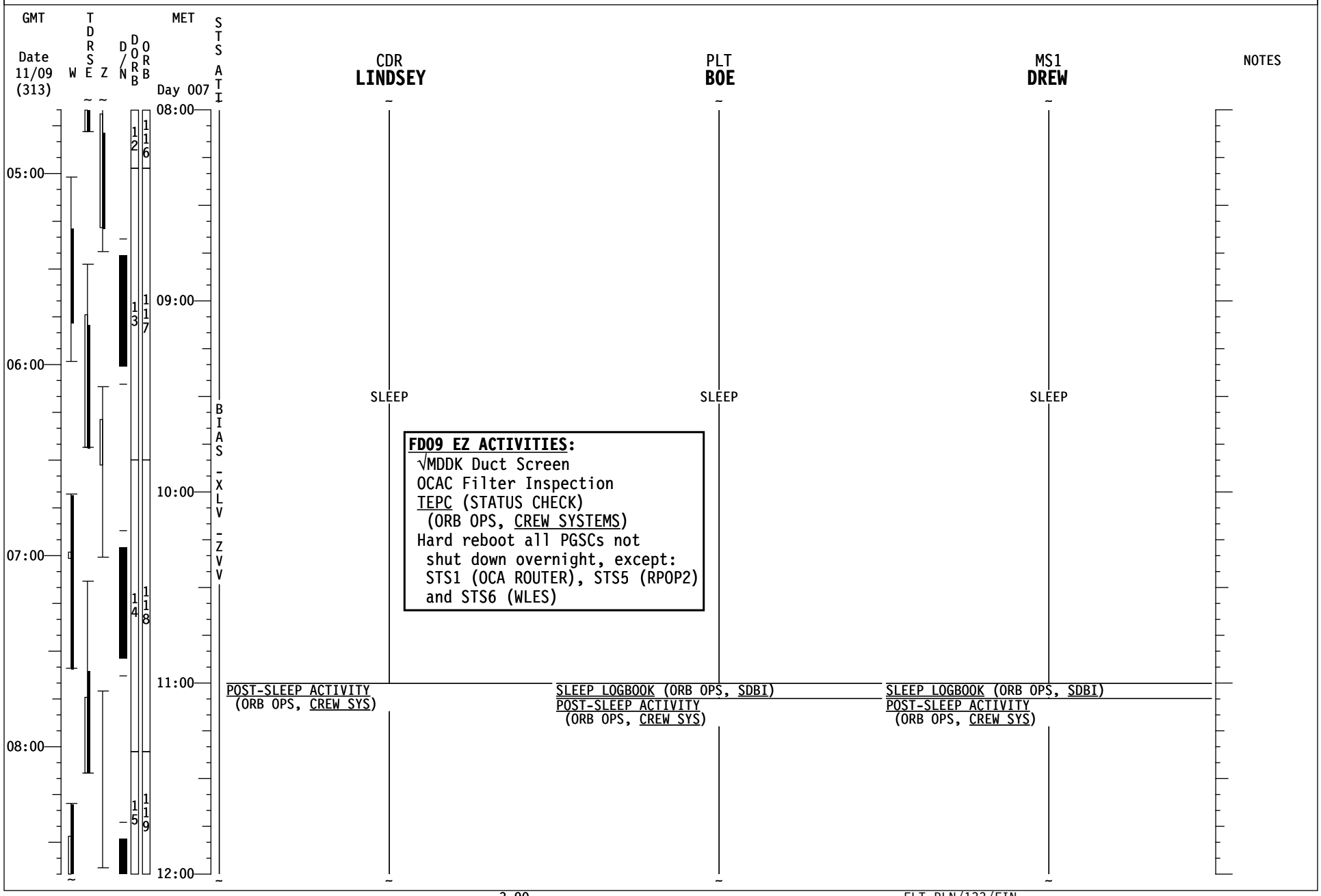
114
115
116
BIAS-XLV-ZVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (09)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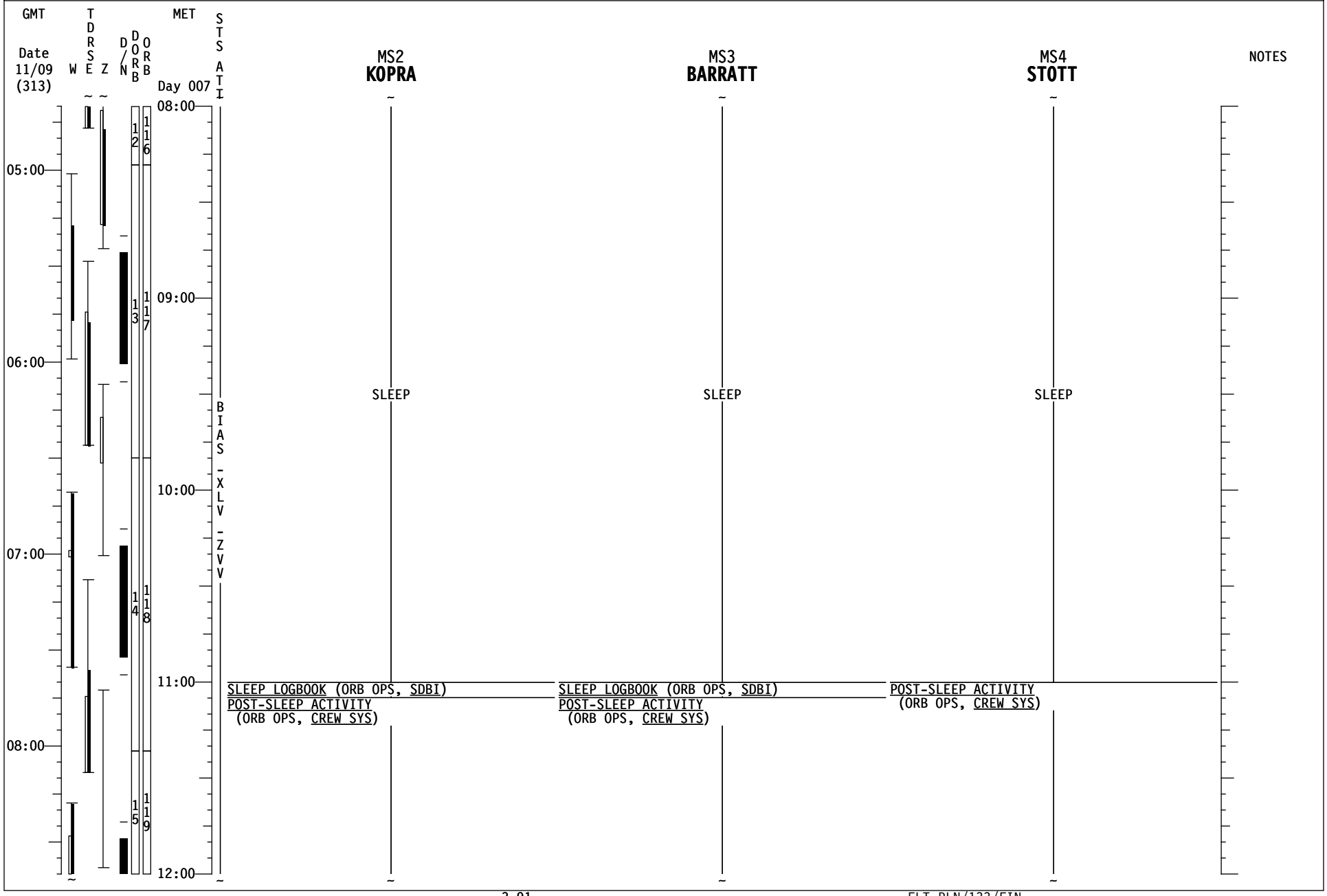
119
BIAS -XLV -ZVV
CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
SLEEP
SLEEP
SLEEP
FD09 EZ ACTIVITIES:
√MDDK Duct Screen
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not
shut down overnight, except:
STS1 (OCA ROUTER), STS5 (RPOP2)
and STS6 (WLES)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (09)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STS ATI
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
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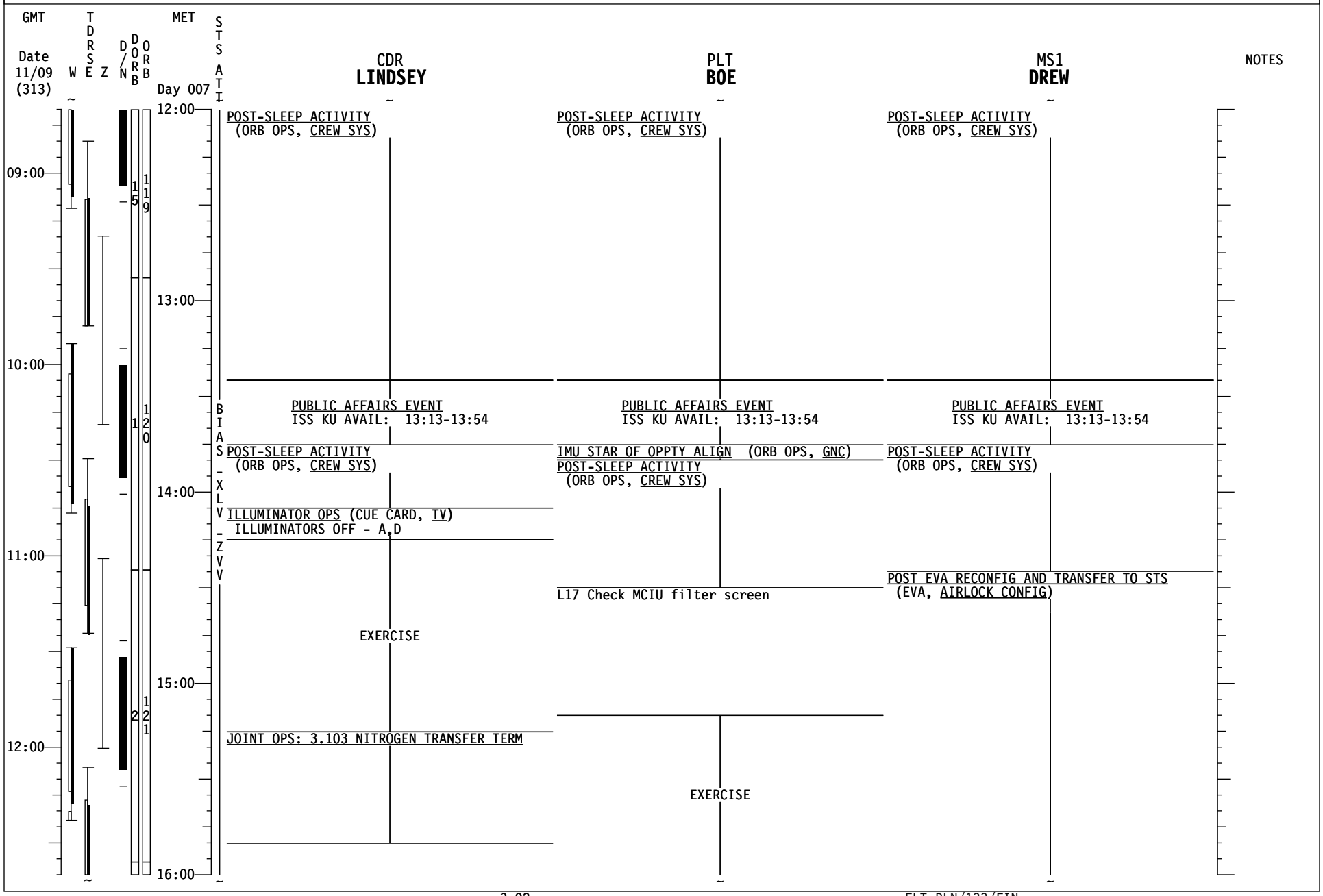
119
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (09)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NOTES
09:00
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16:00
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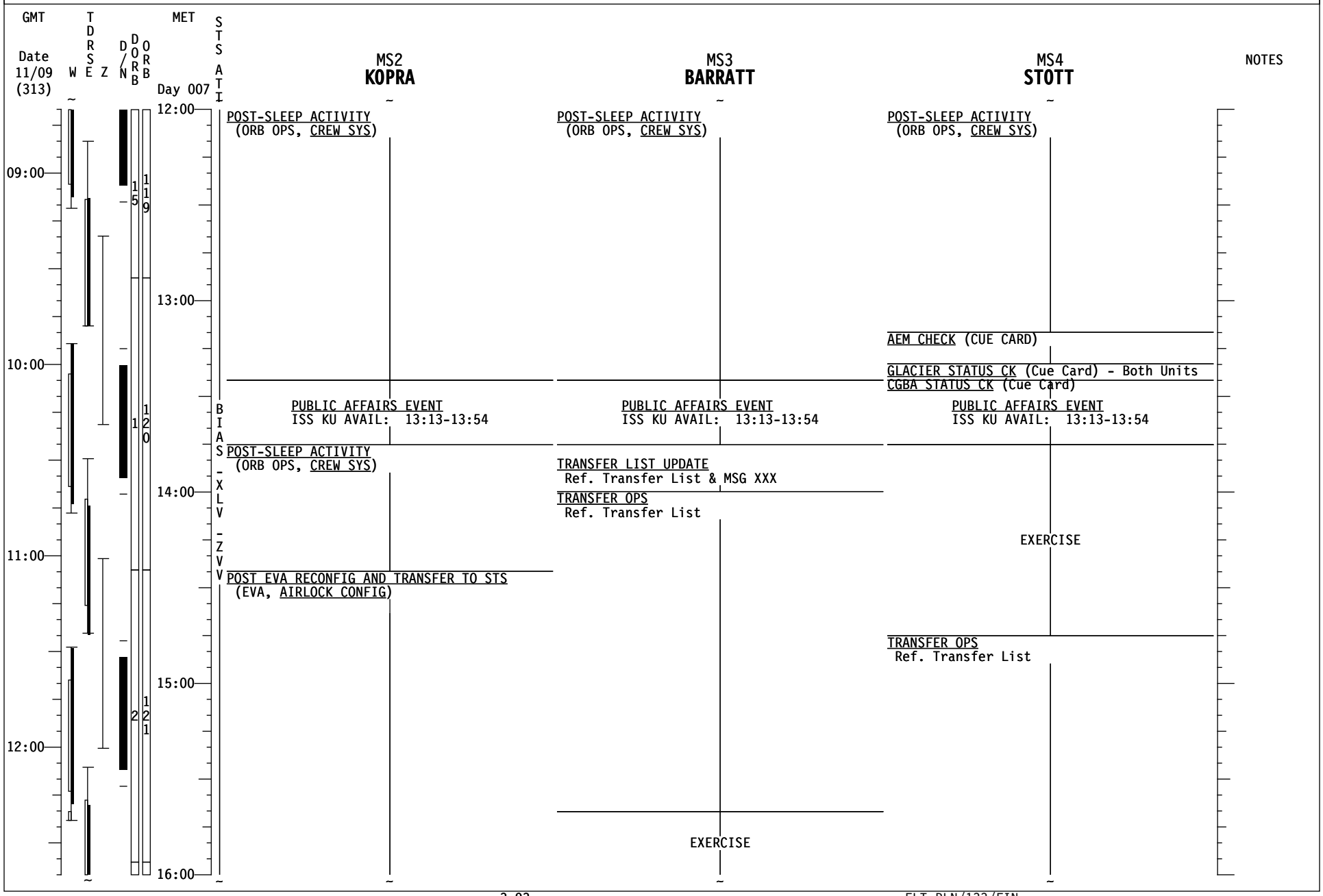
119
1
120
2
121
BIAS_XLV_ZVV
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 13:13-13:54
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
ILLUMINATOR OPS (CUE CARD, TV)
ILLUMINATORS OFF - A,D
EXERCISE
JOINT OPS: 3.103 NITROGEN TRANSFER TERM
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 13:13-13:54
IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
L17 Check MCIU filter screen
EXERCISE
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT
ISS KU AVAIL: 13:13-13:54
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST EVA RECONFIG AND TRANSFER TO STS
(EVA, AIRLOCK CONFIG)

STS-133 FD (09)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STS ATI
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
NOTES
09:00
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119
1
120
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121
BIAS-XLV-ZVV
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT ISS KU AVAIL: 13:13-13:54
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST EVA RECONFIG AND TRANSFER TO STS (EVA, AIRLOCK CONFIG)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PUBLIC AFFAIRS EVENT ISS KU AVAIL: 13:13-13:54
TRANSFER LIST UPDATE Ref. Transfer List & MSG XXX
TRANSFER OPS Ref. Transfer List
EXERCISE
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
AEM CHECK (CUE CARD)
GLACIER STATUS CK (Cue Card) - Both Units
CGBA STATUS CK (Cue Card)
PUBLIC AFFAIRS EVENT ISS KU AVAIL: 13:13-13:54
EXERCISE
TRANSFER OPS Ref. Transfer List

STS-133 FD (09)

GMT Date 11/09 (313) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 007 | STS ATI | CDR LINDSEY | PLT BOE | MS1 DREW | NOTES

13:00 14:00 15:00 16:00

16:00 17:00 18:00 19:00 20:00

3 1 2 2

4 1 2 3

5 1 2 4

BIAS - XLV - ZVV

EXERCISE

POST EVA RECONFIG AND TRANSFER TO STS
(EVA, AIRLOCK CONFIG)

JNT OPS: 2.303 PCS DEACTIVATION

PAO EVENT ISS KU AVAIL:16:29-17:07

PAO EVENT ISS KU AVAIL:16:29-17:07

PAO EVENT ISS KU AVAIL:16:29-17:07

CREW CONFERENCE
ISS KU AVAIL: 16:29-17:43
TDRS HANDOVER @ 17:07

CREW CONFERENCE
ISS KU AVAIL: 16:29-17:43
TDRS HANDOVER @ 17:07

CREW CONFERENCE
ISS KU AVAIL: 16:29-17:43
TDRS HANDOVER @ 17:07

CREW PHOTO

CREW PHOTO

CREW PHOTO

MEAL

MEAL

MEAL

OFF DUTY

OFF DUTY

OFF DUTY

STS-133 FD (09)

GMT Date 11/09 (313) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 007 | STS ATI

MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
POST EVA RECONFIG AND TRANSFER TO STS (EVA, AIRLOCK CONFIG)	EXERCISE	TRANSFER OPS Ref. Transfer List	
	ORBITER SSC SETUP Ref. MSG XXX, Steps X-X	P/TV05 ISS INTERNAL OPS (HC) (PHOTO/TV, SCENES) Setup for Crew Photo	
PAO EVENT ISS KU AVAIL:16:29-17:07	PAO EVENT ISS KU AVAIL:16:29-17:07	PAO EVENT ISS KU AVAIL:16:29-17:07	
CREW CONFERENCE ISS KU AVAIL: 16:29-17:43 TDRS HANDOVER @ 17:07	CREW CONFERENCE ISS KU AVAIL: 16:29-17:43 TDRS HANDOVER @ 17:07	CREW CONFERENCE ISS KU AVAIL: 16:29-17:43 TDRS HANDOVER @ 17:07	
CREW PHOTO	CREW PHOTO	CREW PHOTO	
MEAL	MEAL	MEAL	
OFF DUTY	OFF DUTY	OFF DUTY	

Time scale: 13:00, 14:00, 15:00, 16:00; MET: 16:00, 17:00, 18:00, 19:00, 20:00

STS ATI: BIAS -XLV -ZVV

Z: 3, 4, 5; ORB: 1 2 2, 1 2 3, 1 2 4

STS-133 FD (09)

GMT Date 11/09 (313) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 007 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

17:00 | 18:00 | 19:00 | 20:00

20:00 | 21:00 | 22:00 | 23:00 | 00:00

5 | 6 | 7 | 8

124 | 125 | 126 | 127

BIAS - XLV - ZVV

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
OFF DUTY	OFF DUTY	OFF DUTY	
P/TV05 ISS INTERNAL OPS (PHOTO/TV, SCENES) Perform DEACTIVATION			
JOINT OPS: 3.116 O2 XFER to HIGH PRESSURE TANK (Term) Step 3.2-3.3			
JOINT OPS: 3.123 O2 TRANSFER TEARDOWN		EXERCISE	UPDATE TFL 192
FAREWELL	FAREWELL	FAREWELL	UPDATE TFL 184
JOINT OPS: 4.102 SHUTTLE/ISS DUCT REMOVAL & HATCH CLOSING MCC-H can perform Steps 2 & 3 on crew request	NOMINAL H2O CNFG (ORB OPS, ECLS) FES not req'd		
	WCS COMPACTOR OPS (DUAL-VANE) (ORB OPS, CUE CARD)		
JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK	JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK		
		C/L CAMR INSTALL (PHOTO/TV,C/L CAMR) Perform step 1 only	

STS-133 FD (09)

GMT Date 11/09 (313) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 007 | STS ATI

17:00 | 18:00 | 19:00 | 20:00

5 | 6 | 7 | 8

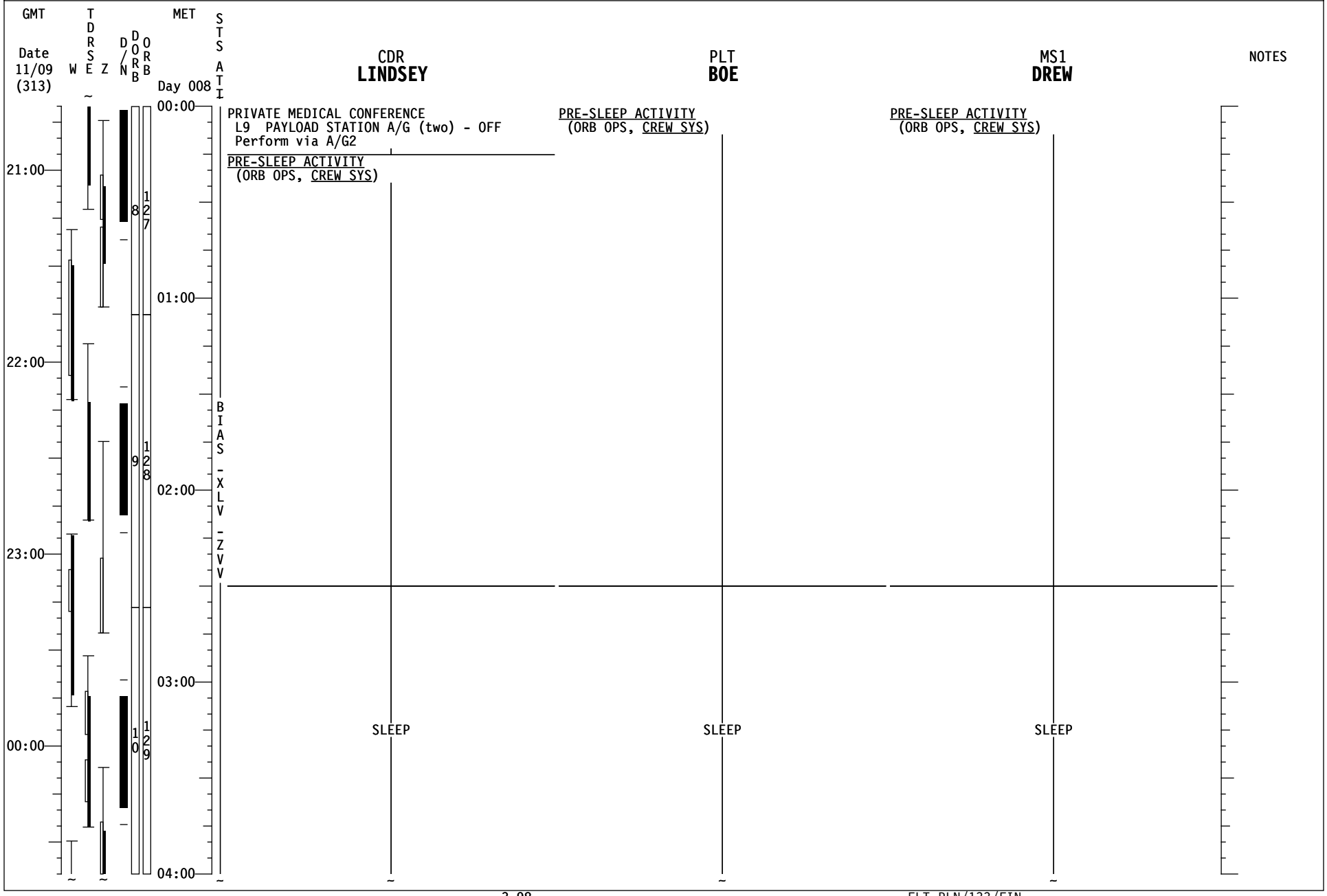
124 | 125 | 126 | 127

20:00 | 21:00 | 22:00 | 23:00 | 00:00

BIAS - XLV - ZVV

MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
OFF DUTY	OFF DUTY	OFF DUTY	
P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Setup	TRANSFER TAGUP Coordinate with transfer counterpart	P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Setup, Step 2	
	TRANSFER BRIEF Call down status to MCC	P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Ops, Item 2 for ISS Survey	
RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Perform DEACTIVATION	
FAREWELL	FAREWELL	FAREWELL	
JOINT OPS: 4.102 SHUTTLE/ISS DUCT REMOVAL & HATCH CLOSING MCC-H can perform Steps 2 & 3 on crew request		P/TV04 INGRESS/EGRESS (PHOTO/TV, SCENES) Perform DEACTIVATION	
		P/TV03 UNDOCK (PHOTO/TV, SCENES) Setup	
EXERCISE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	C/L CAMR INSTALL (PHOTO/TV,C/L CAMR) Perform step 1 only	
		GLACIER STATUS CK (Cue Card) - Both Units CGBA STATUS CK (Cue Card)	

STS-133 FD (09)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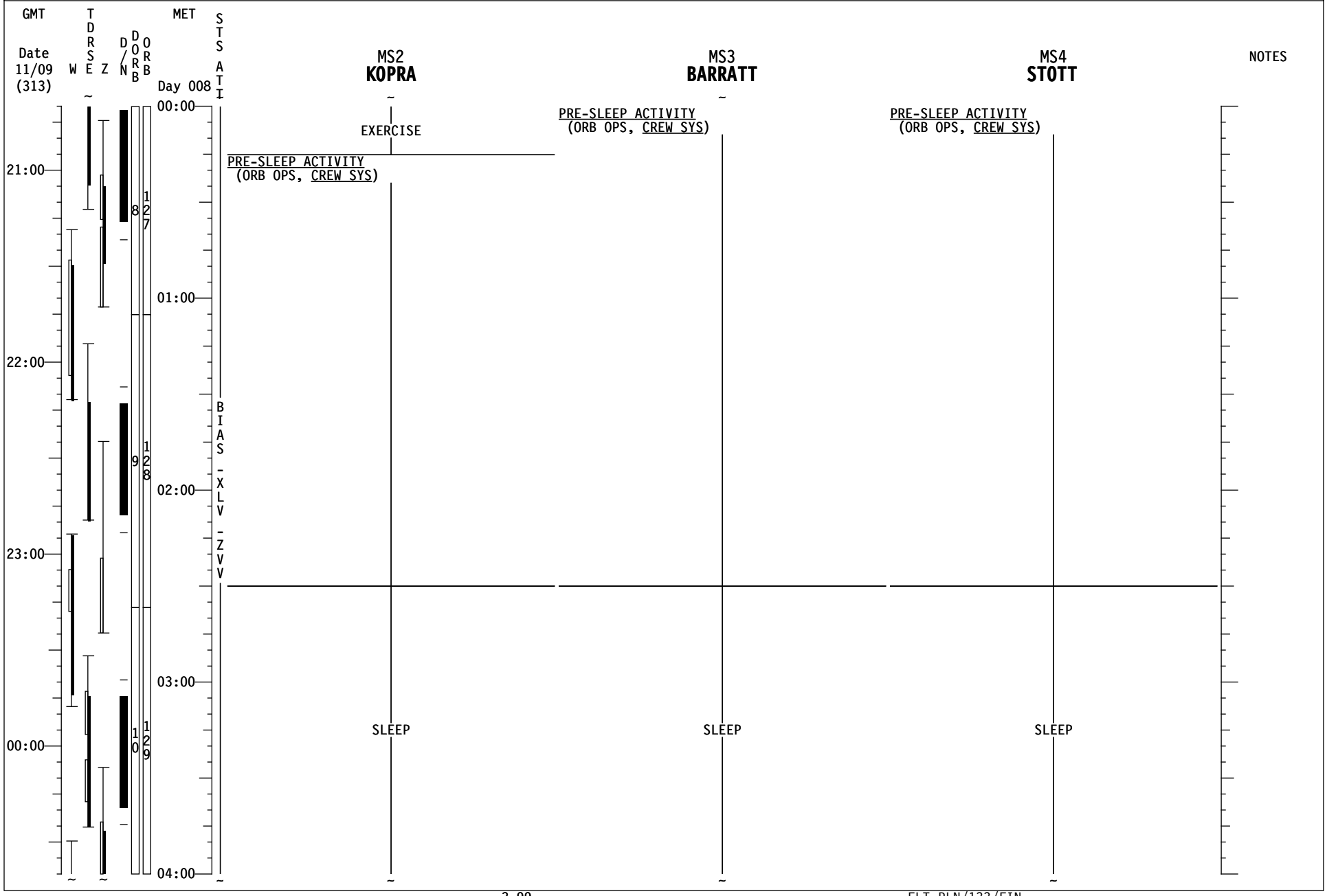
BIAS-XLV-ZVV
PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

STS-133 FD (09)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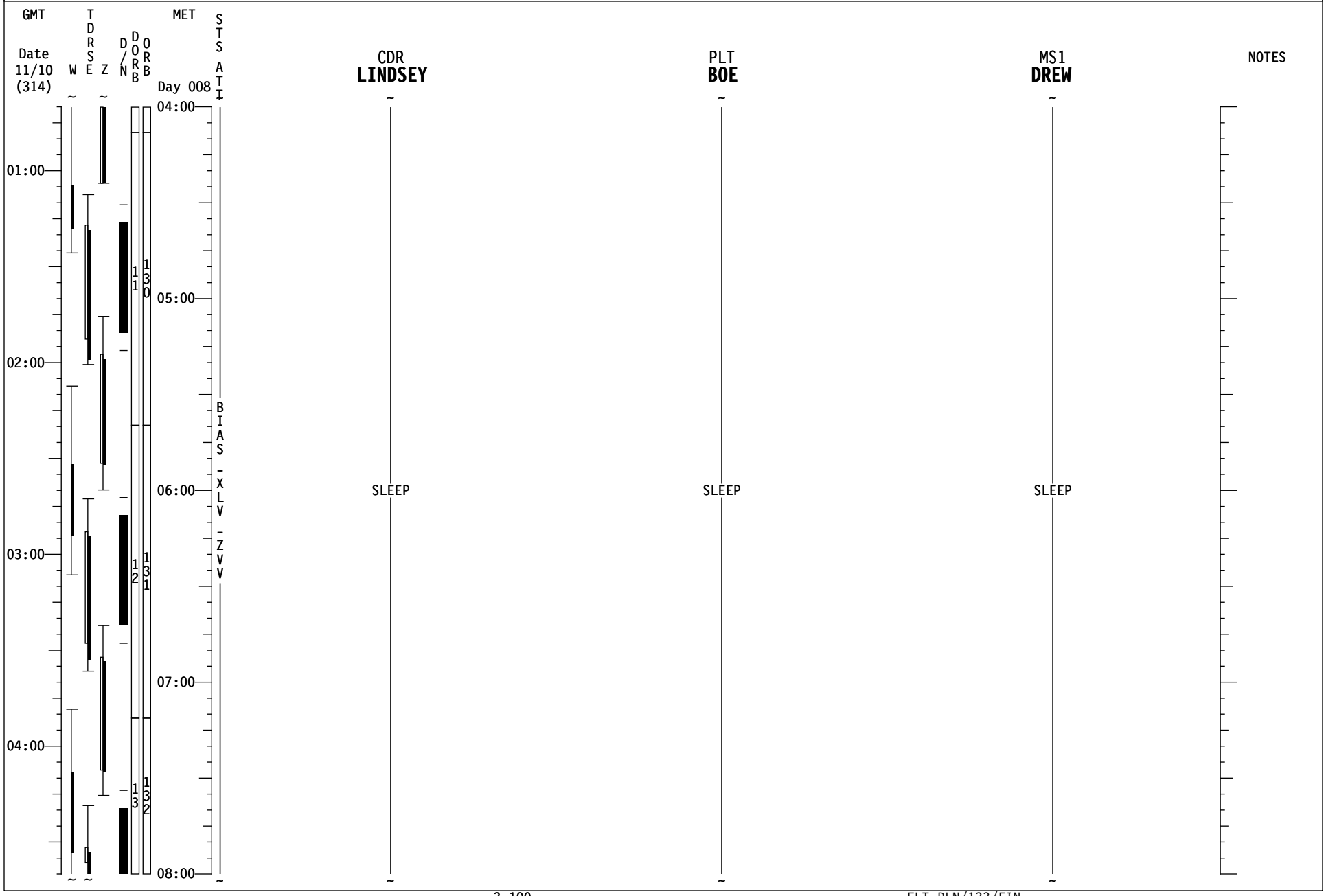
129
B I A S - X L V - Z V V
MS2
KOPRA
EXERCISE
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS3
BARRATT
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS4
STOTT
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
NOTES

STS-133 FD (09)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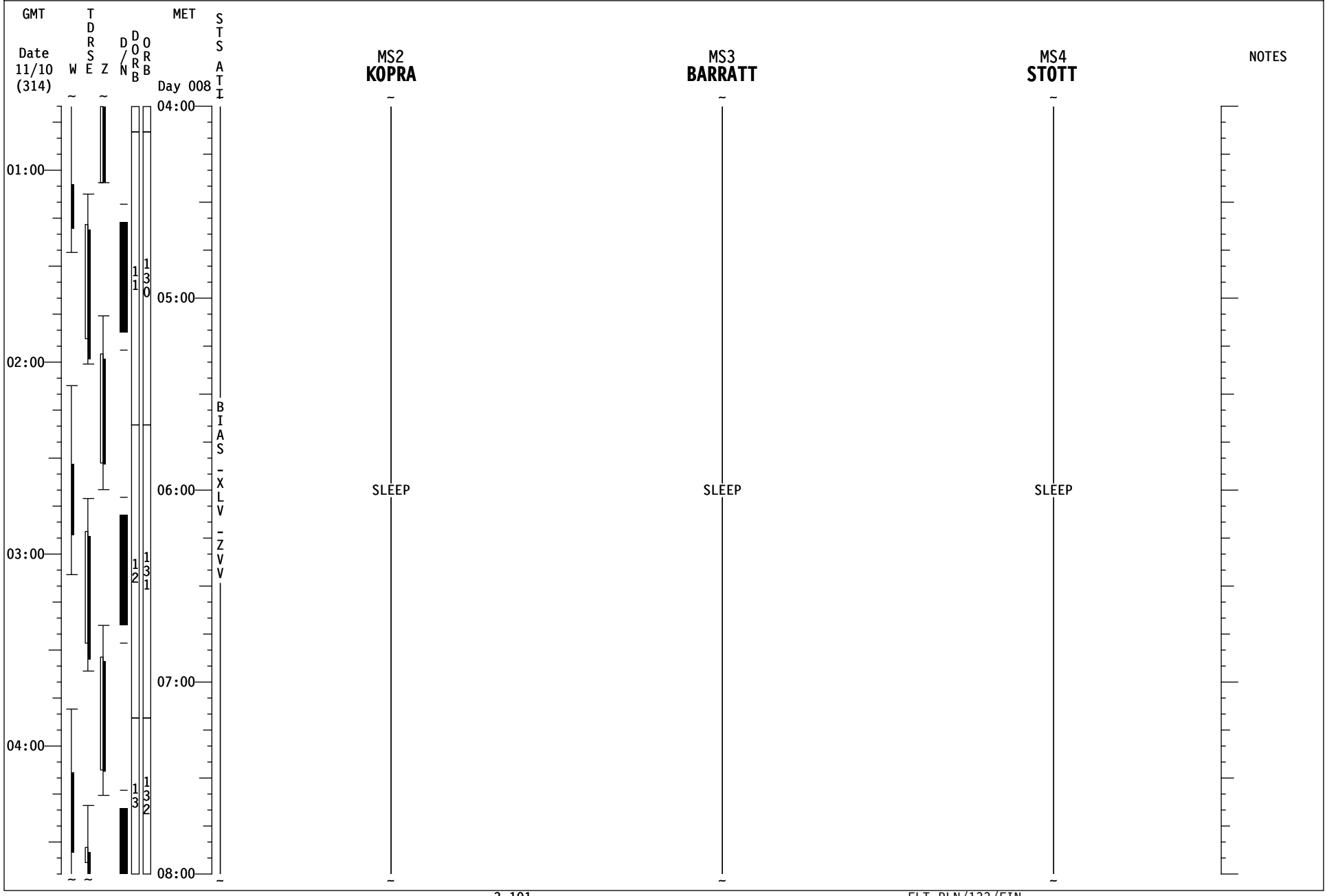
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP

STS-133 FD (09)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BIAS -XLV -ZVV
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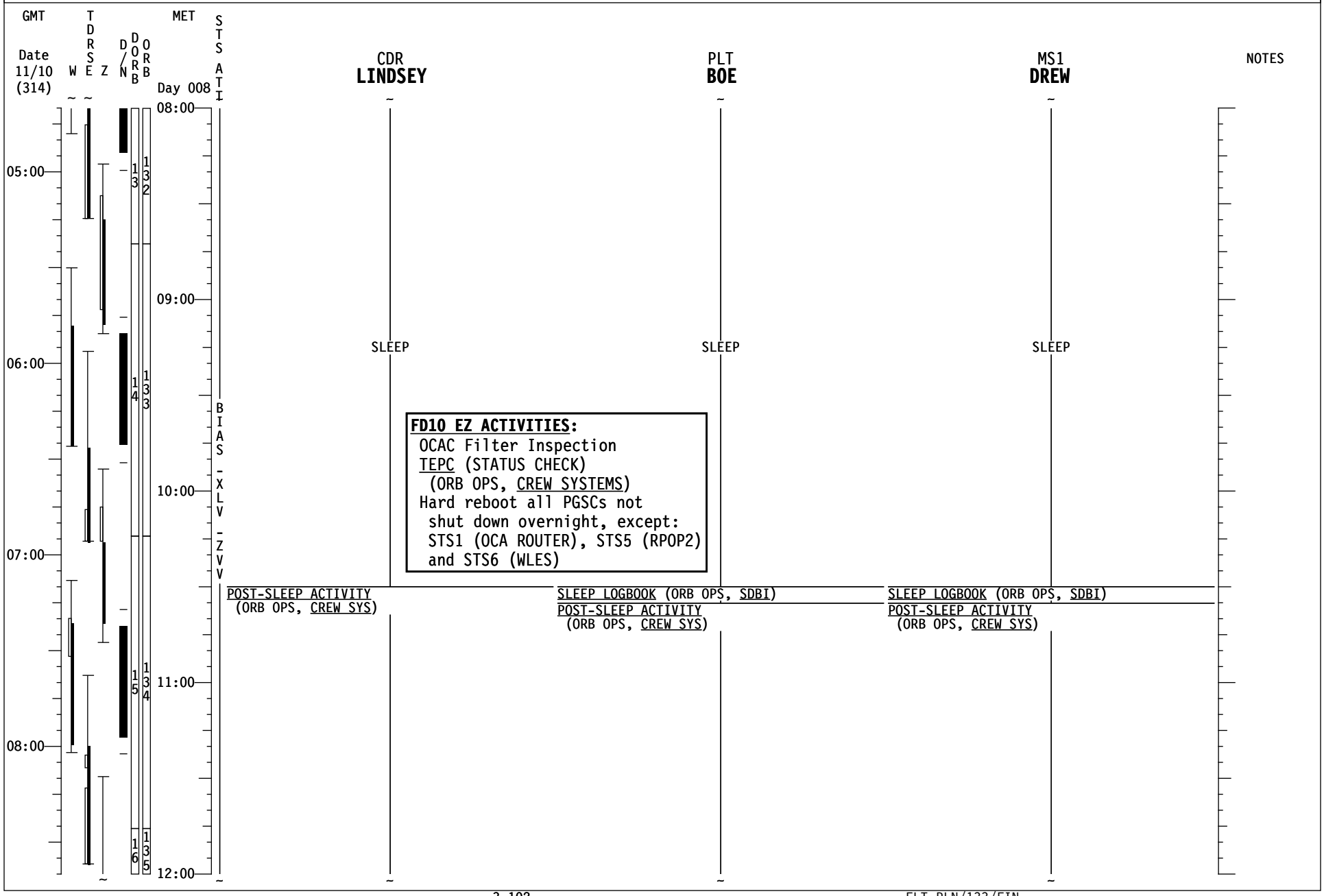
STS-133 FD (10)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B I A S - X L V - Z V V
CDR
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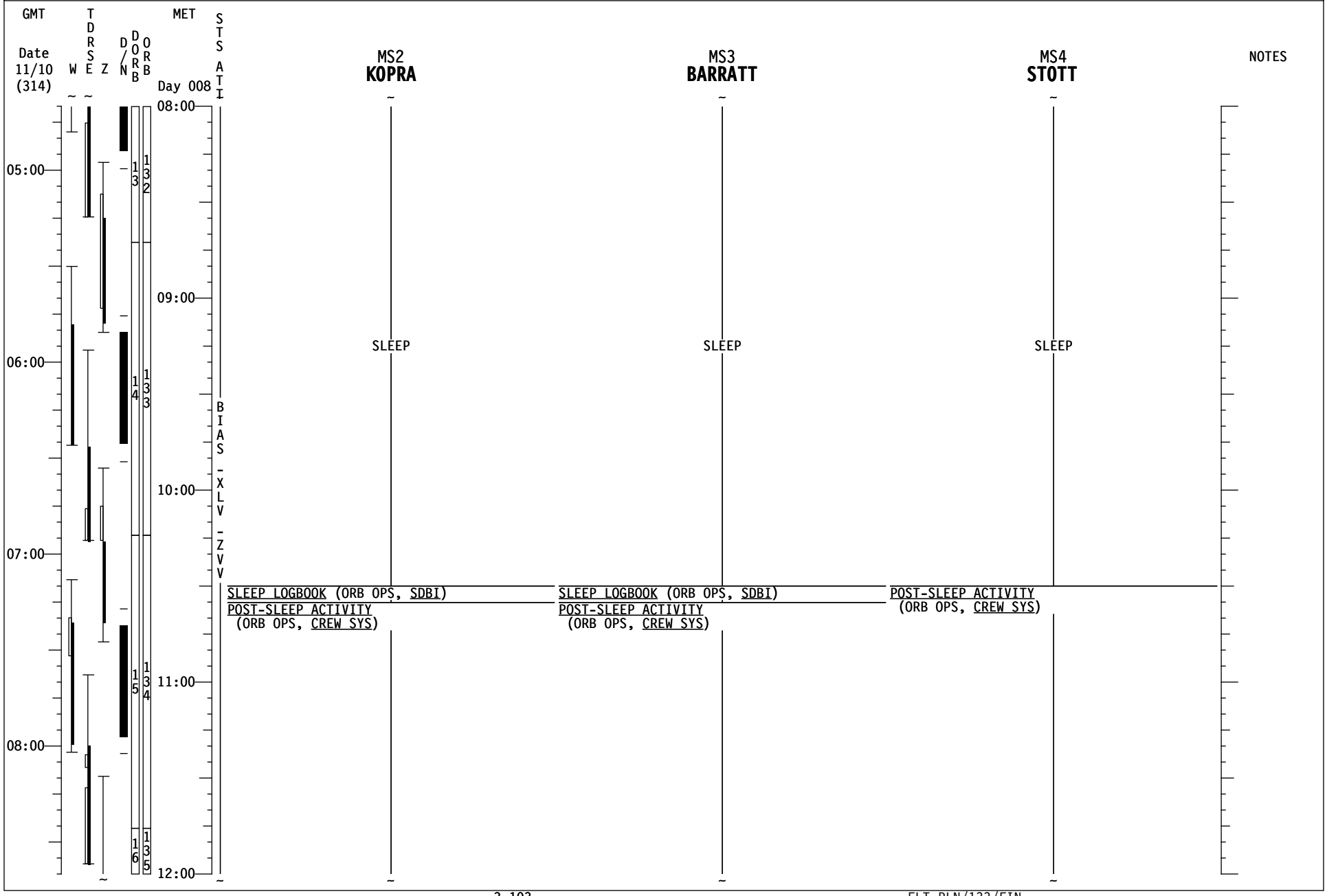
BOE
MS1
DREW
NOTES
SLEEP
SLEEP
SLEEP
FD10 EZ ACTIVITIES:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-133 FD (10)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STS ATI
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
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BIAS-XLV-ZVV
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI

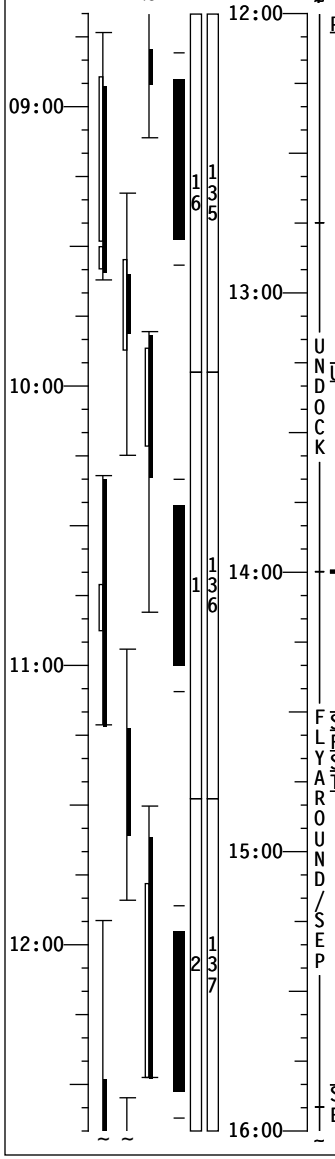
CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)			
PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12(Recover IMU3), 6(TripleG2,Remain FREE DRIFT),5 06 S Trk PWR-Z - ON CRT GNC I/O RESET	PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12(Recover IMU3), 6(TripleG2,Remain FREE DRIFT),5 06 S Trk PWR-Z - ON CRT GNC I/O RESET		
H/O ATTITUDE CONTROL CMG TA TO ORB [A] MNVR (TRK) UNDOCK TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN, Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
	SSPTS OPCU DEACT [B]	SSV OUTRATE - 3 L17 Check MCIU filter screen	UPDATE β21+MASK Box 1,2
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UPDATE TFL 192
[A] √A12/FREE/VERN When ISS in Free Drift, DAP:LVLH When Jet activity stopped for >5 sec, DAP:FREE > 2 sec, then DAP:AUTO	[B] On MCC GO: A15 OPCU 1,2 CONV(two) - OFF R1 MN BUS TIE B - OFF(tb-OFF) C - OFF(tb-OFF)		
UNDOCKING			
UNDOCKING (14:00)			
SEP/FLYAROUND FLYAROUND SEP BURNS TERMINATE SEP OPS (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND FLYAROUND SEP BURNS TERMINATE SEP OPS (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND FLYAROUND SEP BURNS TERMINATE SEP OPS (RNDZ, UNDOCK/SEP T/L)	
< SEP1 TIG (15:15)			
< SEP2 TIG (15:43)			UPDATE β21+MASK
PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9, & 12 (In Step 12, IMU 3 SIBY - ITEM 23 EXEC)	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9, & 12 (In Step 12, IMU 3 SIBY - ITEM 23 EXEC)	SSV OUTRATE - 4	

Time scale: 09:00, 10:00, 11:00, 12:00; 12:00, 13:00, 14:00, 15:00, 16:00

Orbits: 16, 135, 136, 137

STS-133 FD (10)

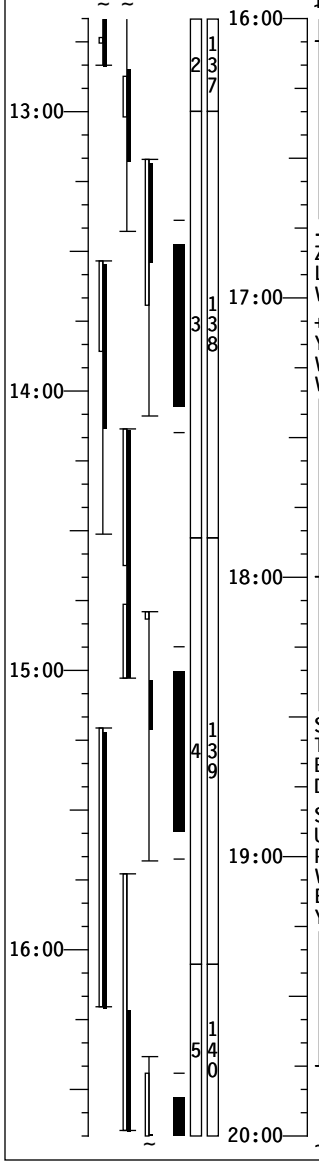
GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI



MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		AEM CHECK (CUE CARD)	
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	GLACIER STATUS CK (Cue Card) - Both Units CGBA STATUS CK (Cue Card) P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
UNDOCKING			
SEP/FLYAROUND FLYAROUND SEP BURNS TERMINATE SEP OPS (RNDZ, UNDOCK/SEP T/L)		SEP/FLYAROUND FLYAROUND SEP BURNS TERMINATE SEP OPS (RNDZ, UNDOCK/SEP T/L)	
SSP1 OIU PWR - OFF (tb-bp) Expect 'S62 BCE BYP PSP1' message		P/TV03 UNDOCK (PHOTO/TV, SCENES) Perform DEACTIVATION	UPDATE TFL 188

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI



CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN)	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN)		
MNVR (TRK) -ZLV +YVV (Dump) TG=2 BV=3 OM=270 A1/AUTO/VERN	HEATER RECONFIG-CONFIG B (ORB OPS, EPS) RCS REGULATOR RECONFIG (ORB OPS, RCS)		
COMM STRING 1 C/O (PART A) (ORB OPS, COMM/INST)	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Init Waste Dump Ref. MSG XXX		UPDATE H2O WASTE DUMP QTY
MEAL	MEAL	MEAL	
CABIN TEMP CONTROLLER RECNFG 2(1) (ORB OPS, ECLS) DAP: A14/AUTO/VERN	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump		
	OBSS MNVR TO FLAT FIELD (PDRS, OBSS NOMINAL)	OBSS MNVR TO FLAT FIELD (PDRS, OBSS NOMINAL)	
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=310 A14/AUTO/VERN Init TRK			
OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPS)	
MNVR (TRK) BIAS +XSI (Nose Cap Survey) TG=4 BV=5 P=330 Y=0 OM=330 A14/AUTO/VERN,RCC SRVY-STBD cmplt,Init TRK			

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI

MS2 **KOPRA** | MS3 **BARRATT** | MS4 **STOTT** | NOTES

16:00 — JOINT OPS: 6.106 SSOR DEACTIVATION

P/TV03 UNDOCK (PHOTO/TV, SCENES)
Perform DEACTIVATION

13:00

17:00 — MEAL

MEAL

MEAL

14:00

DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK)
Undocking
KU TDRE (17:28-17:57)

SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS)
Perform TEARDOWN

18:00 — POST EVA EMU RECONFIGURATION AND TRANSFER
(EVA, AIRLOCK CONFIG)
Perform EVA UNPACK AND STOW

POST EVA EMU RECONFIGURATION AND TRANSFER
(EVA, AIRLOCK CONFIG)
Perform EVA UNPACK AND STOW

15:00

19:00

16:00

POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)

EXERCISE

POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)

20:00

2 3 4 5 — 137 138 139 140

-ZLV +YVV

STBD SURVEY

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY-NOSE CAP (PDRS, OBSS OPS)	
	OBSS LDRI RCC SURVEY-PORT (PDRS, OBSS OPS)	OBSS LDRI RCC SURVEY-PORT (PDRS, OBSS OPS)	
MNVR TRK BIAS -YSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=150 A14/AUTO/VERN,RCC SRVY-PORT Step 3 cmplt,Init TRK			
OBSS LDRI RCC SURVEY-PORT (PDRS, OBSS OPS)			
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/VERN,RCC SRVY-PORT Step 14 cmplt, Init TRK	OBSS BERTH (PDRS, OBSS OPS)	OBSS BERTH (PDRS, OBSS OPS)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
	RMS PWRDN (PDRS, RMS PWRDN)	RMS PWRDN (PDRS, RMS PWRDN)	
PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

Time scale: 17:00, 18:00, 19:00, 20:00; 20:00, 21:00, 22:00, 23:00, 00:00

Stations: NOSE SURVEY; PORT SURVEY; -ZLV -XVV

Orbits: 5, 6, 7; 140, 141, 142

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 008 | STS ATI

MS2 **KOPRA** | MS3 **BARRATT** | MS4 **STOTT** | NOTES

17:00 | 18:00 | 19:00 | 20:00

5 | 140

6 | 141

7 | 142

20:00 | 21:00 | 22:00 | 23:00 | 00:00

NOSE SURVEY

PORT SURVEY

-ZLV -XVV

POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DIGITAL VIA VTR (CUE CARD,DIGITAL PLAYBACK)
LDRI SURVEYS
KU TDRW (23:56-00:22)
KU TDRE (00:23-00:59)

EXERCISE

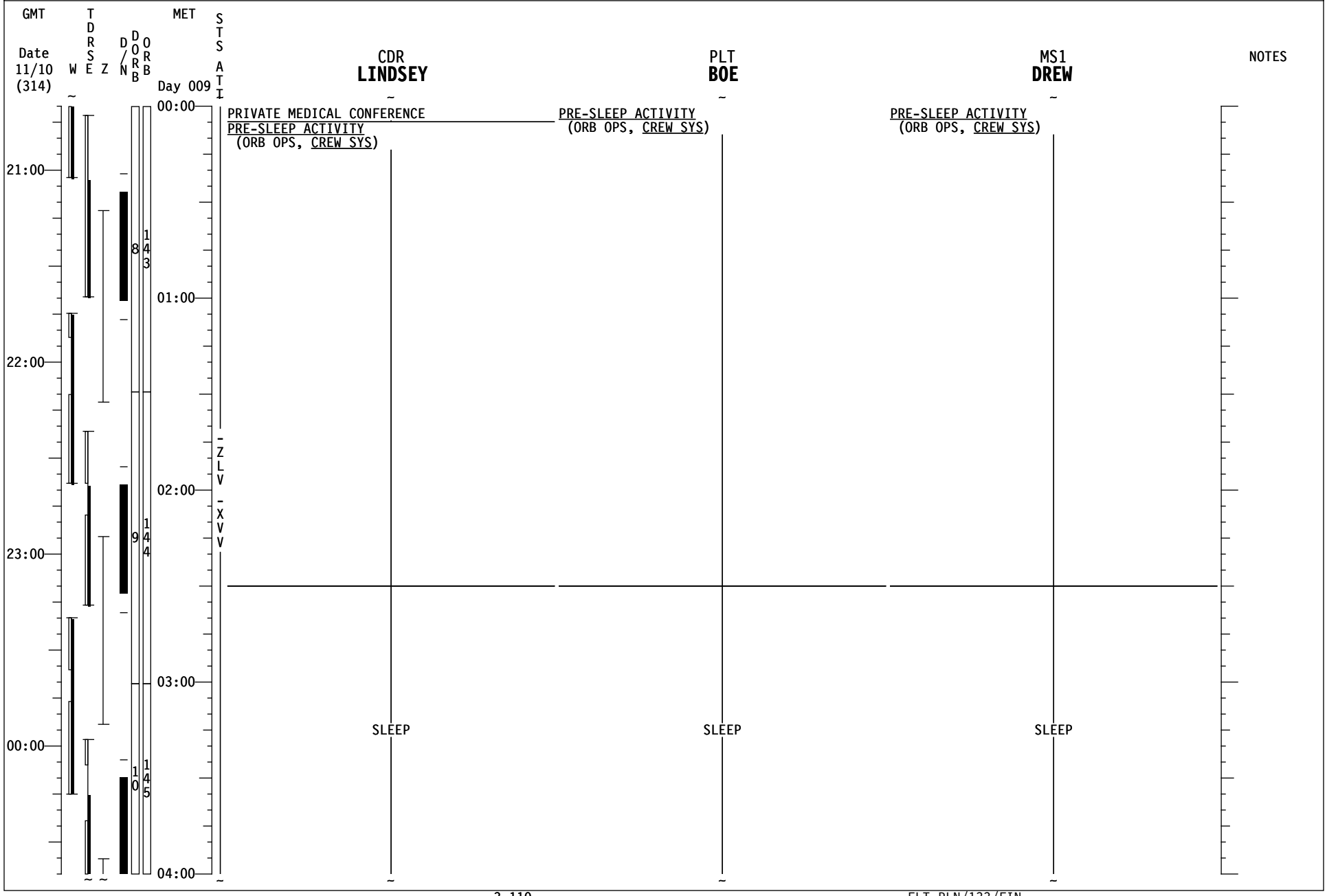
GLACIER STATUS CK (Cue Card) - Both Units
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST ISS EVA ENT PREP
(EVA, POST EVA ENT PREP)

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (10)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NOTES
21:00
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143
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144
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145
-ZLV-XVV
PRIVATE MEDICAL CONFERENCE
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

STS-133 FD (10)

GMT Date 11/10 (314) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATI | MS2 KOPRA | MS3 BARRATT | MS4 STOTT | NOTES

21:00 | 22:00 | 23:00 | 00:00

8 | 143

9 | 144

10 | 145

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

-ZLV -XVV

MS2 KOPRA

DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK)
LDRI SURVEYS
KU TDRW (23:56-00:22)
KU TDRE (00:23-00:59)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS3 BARRATT

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

RECONFIGURE OCA RATE C

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

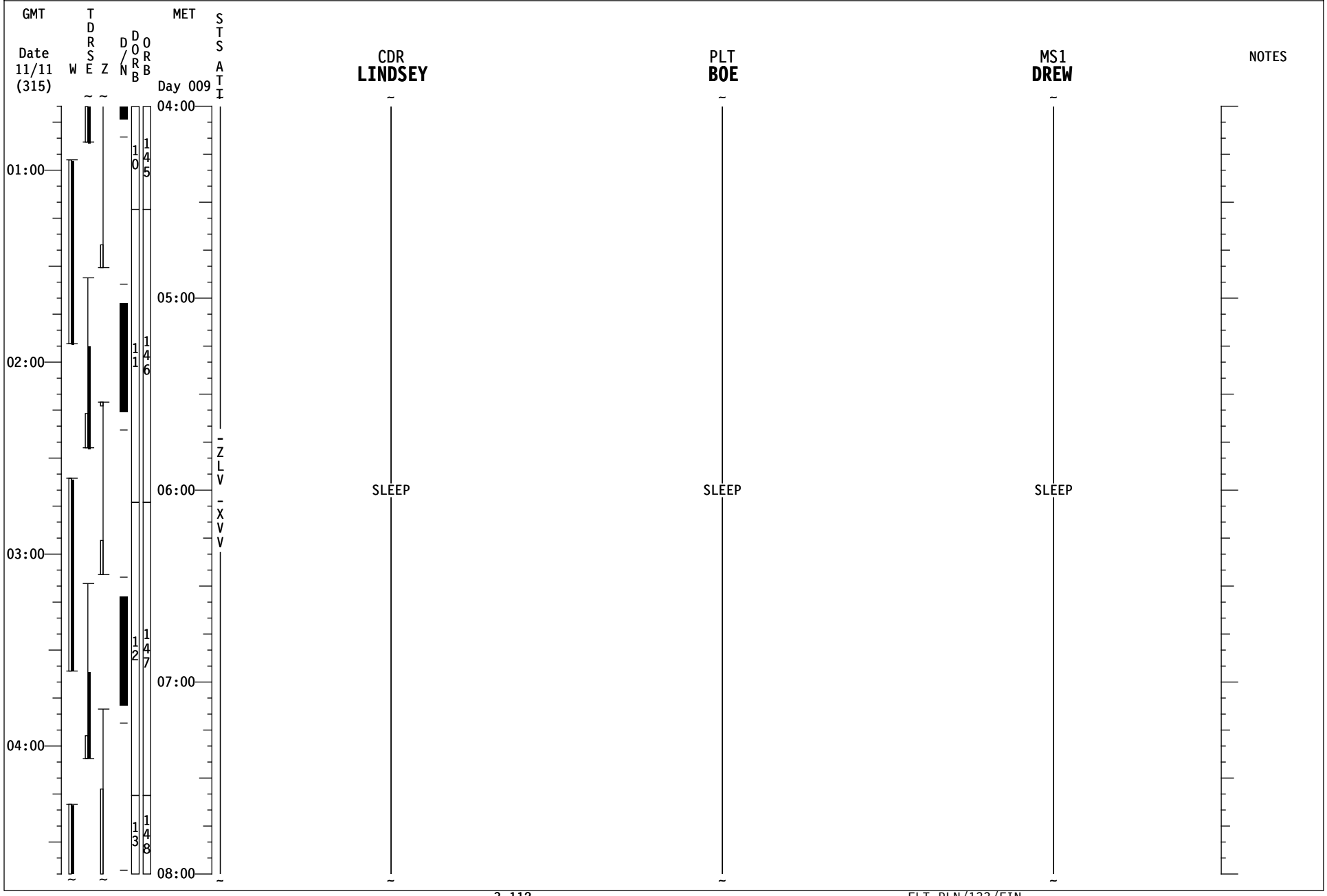
MS4 STOTT

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

C After LDRI PLAYBACK Complete:
L10(MUX) √MUX/VTR/CC PWR - ON (LED ON)
RECONFIGURE OCA DOWNLINK RATE
(ORB OPS, PGSC) Perform Part C

STS-133 FD (10)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MS1
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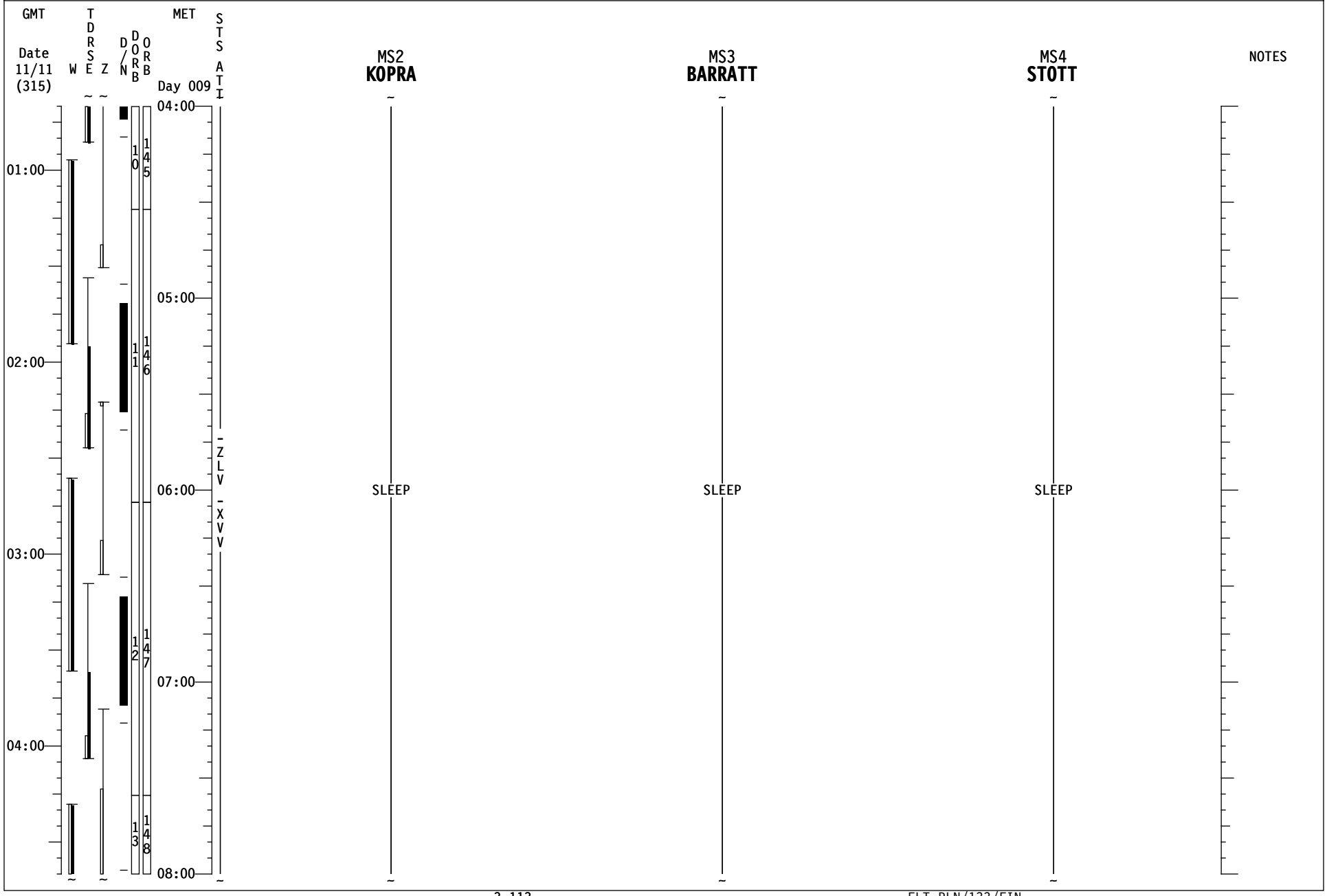
-XVV
SLEEP
SLEEP
SLEEP

STS-133 FD (10)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146
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148
-ZLV
-XVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
SLEEP
SLEEP
SLEEP
NOTES

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATI

CDR **LINDSEY** | PLT **BOE** | MS1 **DREW** | NOTES

05:00 | 06:00 | 07:00 | 08:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00

13 | 148 | 14 | 149 | 15 | 150

-ZLV -XVV

SLEEP | SLEEP | SLEEP

FD11 EZ ACTIVITIES:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

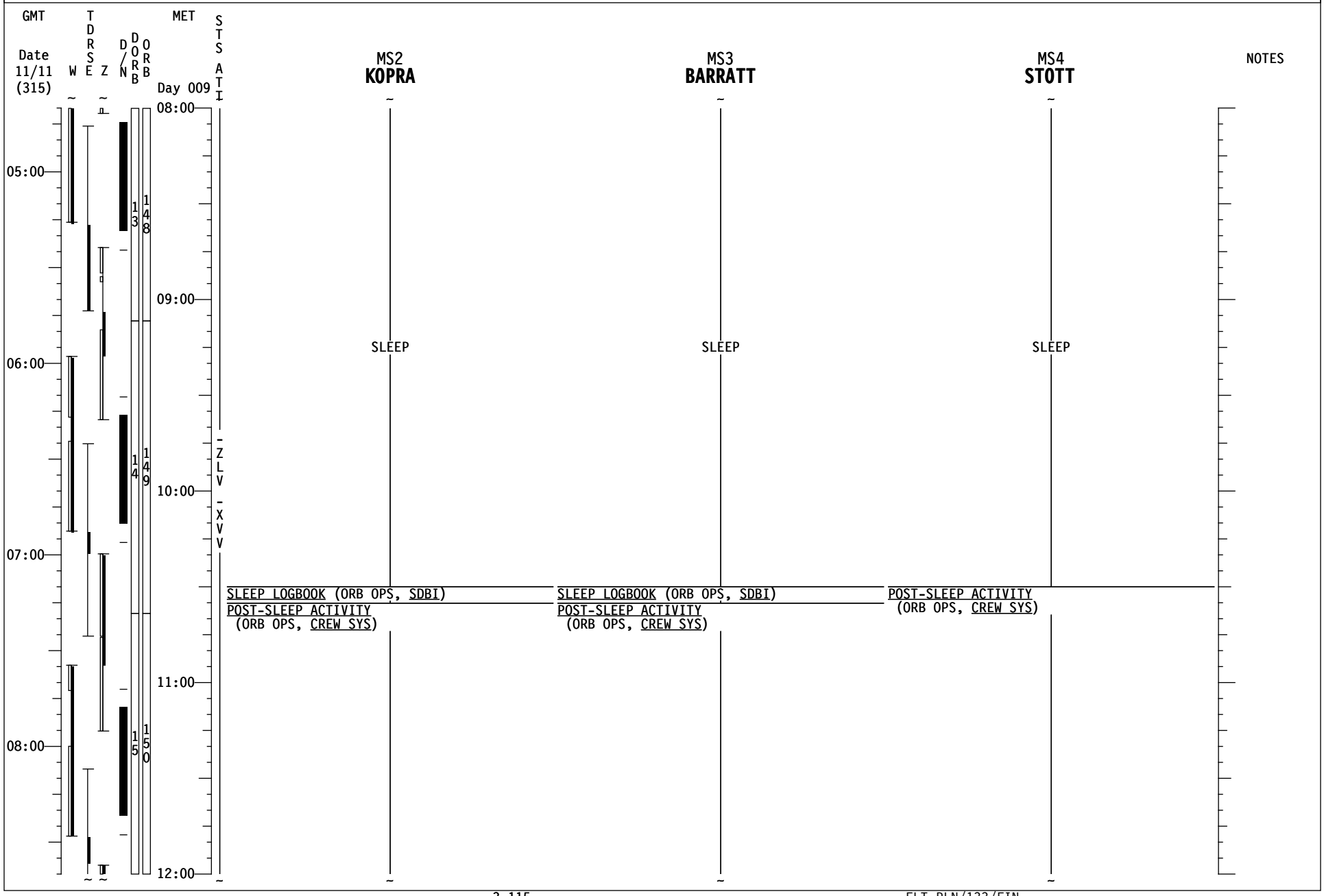
FD11 CABIN STOW ACTIVITIES:
Perform:
FLIGHT WITH RETENTION NET
(REF DATA, ENTRY STOW)
Ref. MSG XXX
SEAT INSTALLATION
Remove loose items stored in A/L

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
√Hum Seps for H2O accumulation

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

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

STS-133 FD (11)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MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
08:00
09:00
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149
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-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 009 | STS ATI

CDR LINDSEY

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

√Hum Seps for H2O accumulation

W/B STEAM VENT HTR ACT
R2 √BLR CNTLR/HTR(three) -B
PWR (three) -ON
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FCS CHECKOUT
(ORB OPS, GNC)

RCS HOT FIRE TEST
(ORB OPS, RCS)
In Step 6, DAP:A1/AUTO/VERN

PILOT WITH RHC (FOR A31p PGSC)
(ORB OPS, PGSC)

CABIN CONFIG/STOW

PLT BOE

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FCS CHECKOUT
(ORB OPS, GNC)

RCS HOT FIRE TEST
(ORB OPS, RCS)
In Step 6, DAP:A/AUTO/VERN

PILOT WITH RHC (FOR A31p PGSC)
(ORB OPS, PGSC)

CABIN CONFIG/STOW

MS1 DREW

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

CABIN CONFIG/STOW

EXERCISE

NOTES

UPDATE TFL 161

UPDATE TFL 188

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATI | MS2 KOPRA | MS3 BARRATT | MS4 STOTT | NOTES

09:00 10:00 11:00 12:00

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

15 | 151 | 152 | 153

-ZLV -XVV

MS2 KOPRA

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FCS CHECKOUT
(ORB OPS, GNC)

RCS HOT FIRE TEST
(ORB OPS, RCS)
In Step 6, DAP:A/AUTO/VERN

PILOT WITH RHC (FOR A31p PGSC)
(ORB OPS, PGSC)

CABIN CONFIG/STOW

MS3 BARRATT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

RECONFIGURE OCA RATE A

FILTER CLEANING
(IFM, SCHEDULED MAINTENANCE)

A RECONFIGURE OCA DOWNLINK RATE (CH 2)
(ORB OPS, PGSC)
Perform Part D then A (Omit Step 4)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

GLACIER STATUS CK (Cue Card) - Both Units

CGBA STATUS CK (Cue Card)

WLES RNDZ TOOLS CHECKOUT PREP (ORB OPS, WLE SNSRS)

EXERCISE

CABIN CONFIG/STOW

MS4 STOTT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

FCS C/O CAMR SETUP
(PHOTO/TV, REF PROC)
Perform Setup

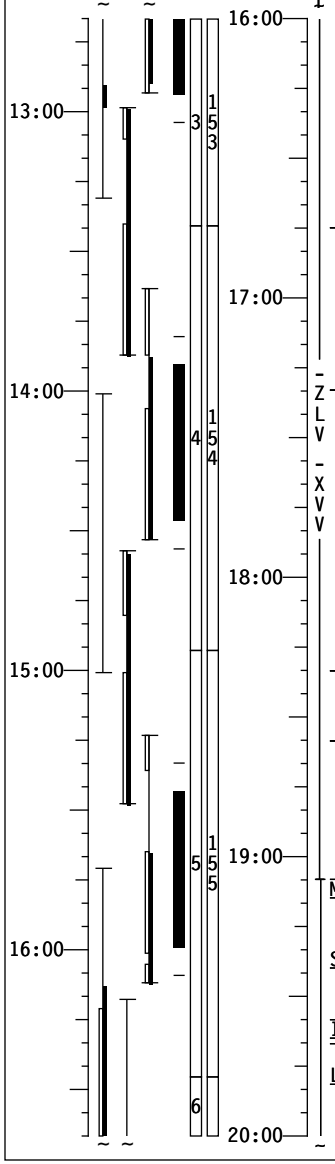
AEM CHECK (CUE CARD)

EXERCISE

CABIN CONFIG/STOW

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATI



CDR **LINDSEY**	PLT **BOE**	MS1 **DREW**	NOTES
		EXERCISE	
CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	
MEAL	MEAL	MEAL	
PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	
DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
MNVR (TRK) BIAS -ZLV -YVV (Dump) TG=2 BV=3 OM=70 A1/AUTO/VERN, Init TRK SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Init Waste Dump Ref. MSG XXX IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) LANDING-1 COMM C/O (ORB OPS, COMM/INST) MLA (19:52-20:01)	EXERCISE	CABIN CONFIG/STOW	UPDATE H2O WASTE DUMP QTY

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRS E | TDRS Z | D/N | DORB 3 4 5 6 | ORB 153 154 155 | MET Day 009 | STS ATI -ZLV -XVV

GMT	MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
16:00	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW CANON G1 (PHOTO/TV, REF PROC) HDCC DOWNLINK PAO Event Setup	
17:00	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 16:44-17:12	
18:00	MEAL	MEAL	MEAL	
19:00	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	PUBLIC AFFAIRS EVENT KU AVAIL: TDRE 18:20-18:48	
20:00	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
	EXERCISE	CABIN CONFIG/STOW	MINI-CAM (P/TV, REF PROC) Entry Video Setup CABIN CONFIG/STOW	

STS-133 FD (11)

GMT Date 11/11 (315) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATI

CDR LINDSEY	PLT BOE	MS1 DREW	NOTES
LANDING-1 COMM C/O (ORB OPS, COMM/INST) MLA (19:52-20:01)	EXERCISE		
	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump		
	CWC OVERBOARD DUMP (ORB OPS, ECLS) Init, Ref. MSG XXX		
EXERCISE			
	CABIN CONFIG/STOW		UPDATE TFL 161
	CWC OVERBOARD DUMP (ORB OPS, ECLS) Term		
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK		CABIN CONFIG/STOW	
SSV DEACTIVATION (PHOTO/TV, SSV)			
	CABIN CONFIG/STOW		
LANDING-1 COMM C/O (ORB OPS, COMM/INST) DFR (22:58-23:07)			
COMM STRING 1 C/O (PART B) (ORB OPS, COMM/INST)			
ENTRY COOLING CONFIG B	A6L MADS STRAIN GAGE - ON		
KU-BD ANT STOW (ORB OPS, COMM/INST) Deactivate CCTV	KU-BD ANT STOW (ORB OPS, COMM/INST) Deactivate CCTV		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

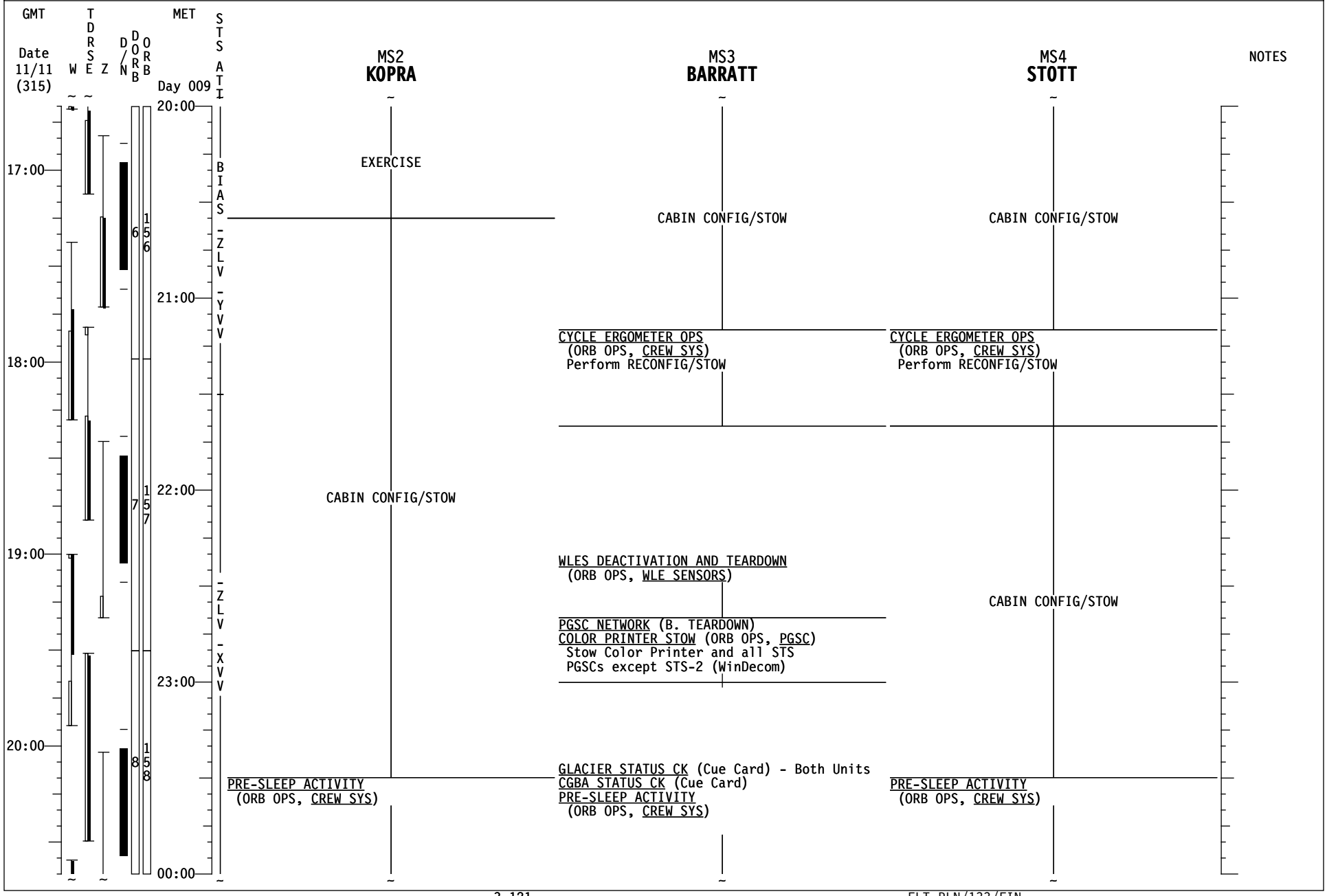
B R12 √VPU PWR - OFF(LED-off)
Minimize use of P/TV equipment
Dim cabin lighting to 25%

Time scale: 17:00, 18:00, 19:00, 20:00; 20:00, 21:00, 22:00, 23:00, 00:00

Day 009: 6 156; 7 157; 8 158

STS ATI: BIAS -ZLV -YVV; -ZLV -XVV

STS-133 FD (11)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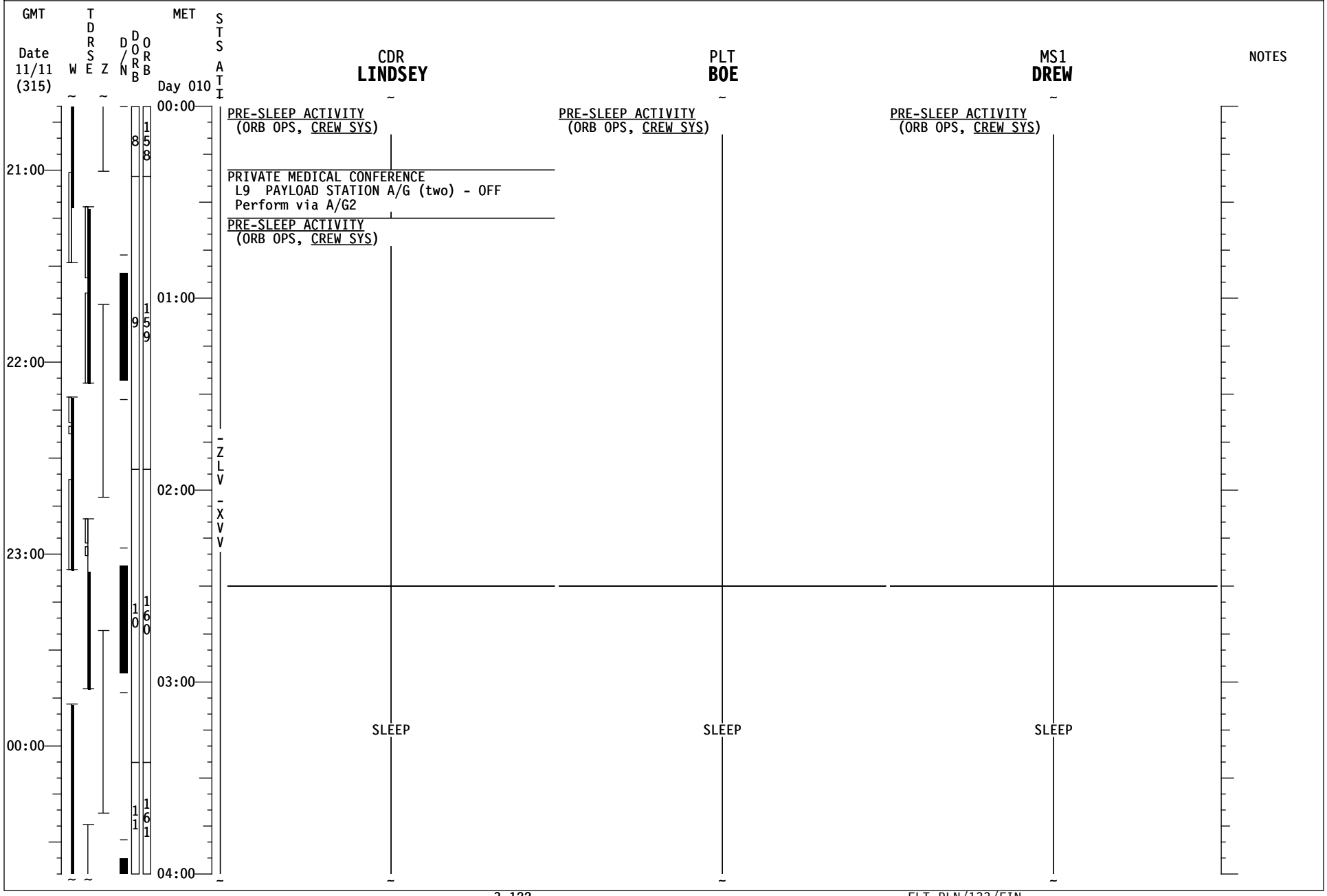
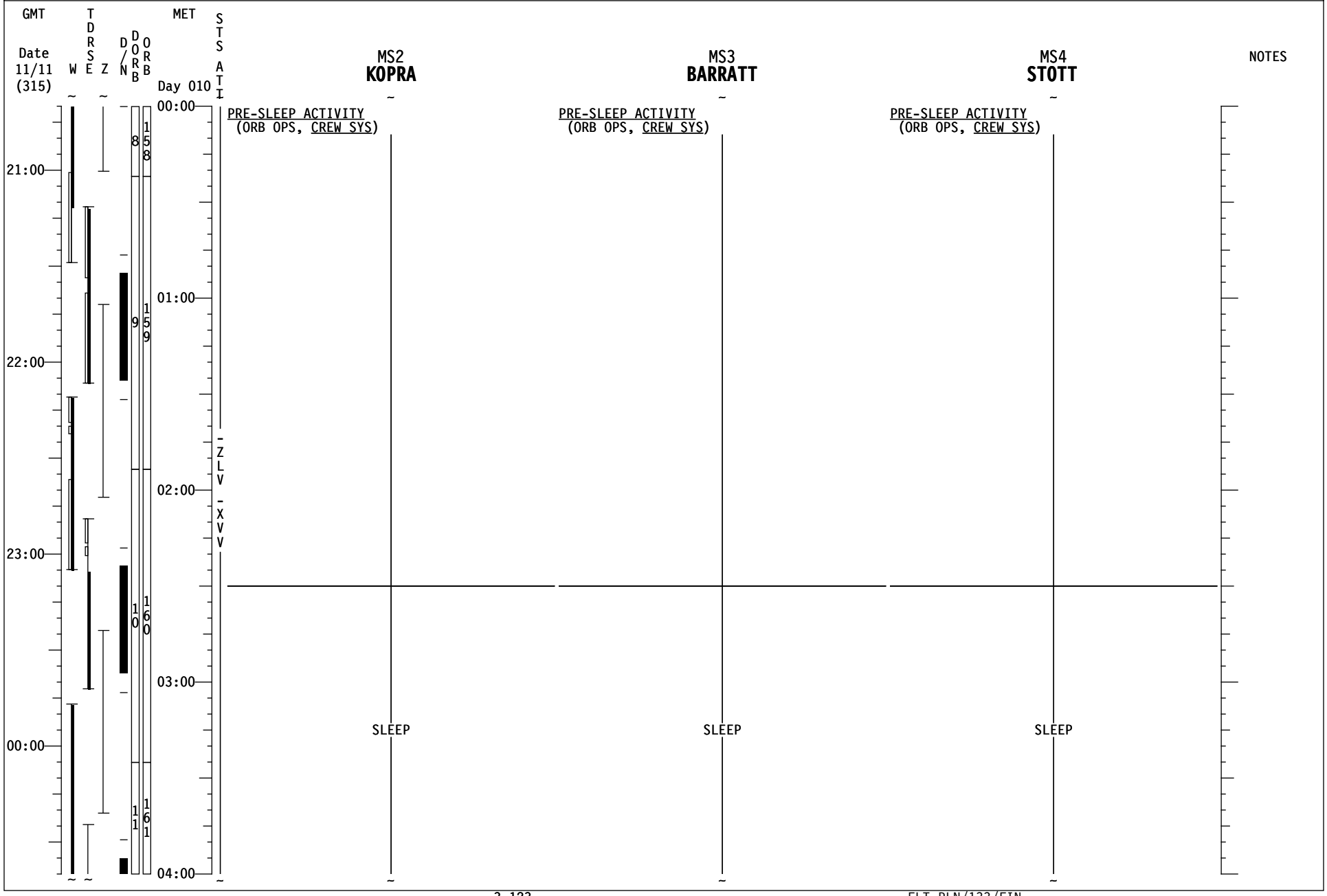
156
157
158
BIAS -ZLV -YVV
-ZLV -XVV
MS2
KOPRA
EXERCISE
CABIN CONFIG/STOW
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
MS3
BARRATT
CABIN CONFIG/STOW
CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW
WLES DEACTIVATION AND TEARDOWN
(ORB OPS, WLE SENSORS)
PGSC NETWORK (B. TEARDOWN)
COLOR PRINTER STOW (ORB OPS, PGSC)
Stow Color Printer and all STS
PGSCs except STS-2 (WinDecom)
GLACIER STATUS CK (Cue Card) - Both Units
CGBA STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
MS4
STOTT
CABIN CONFIG/STOW
CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW
CABIN CONFIG/STOW
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
NOTES

STS-133 FD (11)


GMT
Date 11/11 (315)
W
T D R S E
Z
D/N
D O R B
O R B
MET
Day 010
S T S A T I
21:00
22:00
23:00
00:00
00:00
01:00
02:00
03:00
04:00
8
158
9
159
10
160
11
161
-ZLV-XVV
CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

STS-133 FD (11)


GMT
Date
11/11
(315)
W
TDRS E
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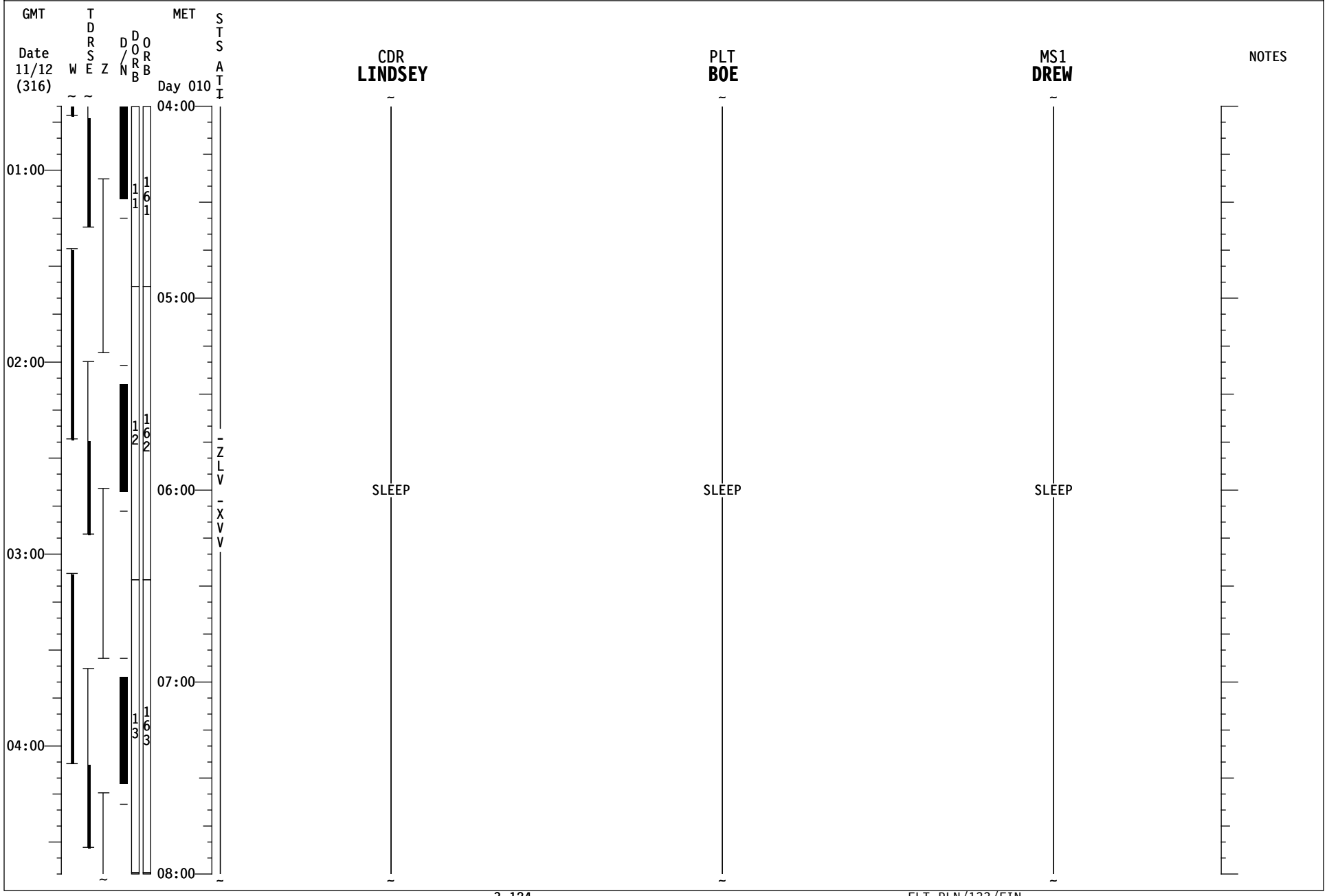
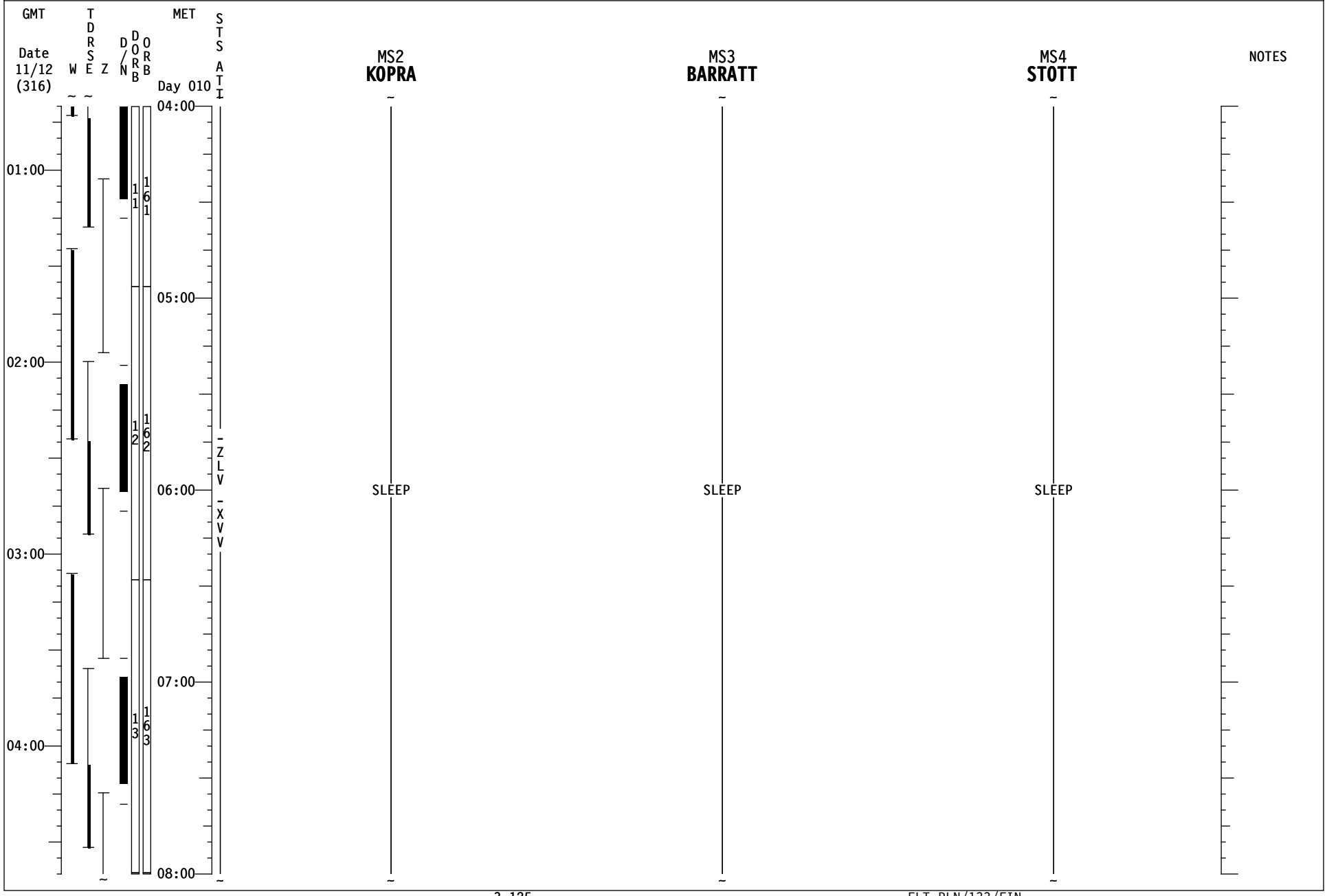
D/N
DORB
DORB
MET
Day 010
STS ATI
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
00:00
01:00
02:00
03:00
04:00
21:00
22:00
23:00
00:00
8
9
10
11
158
159
160
161
-ZLV-XVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

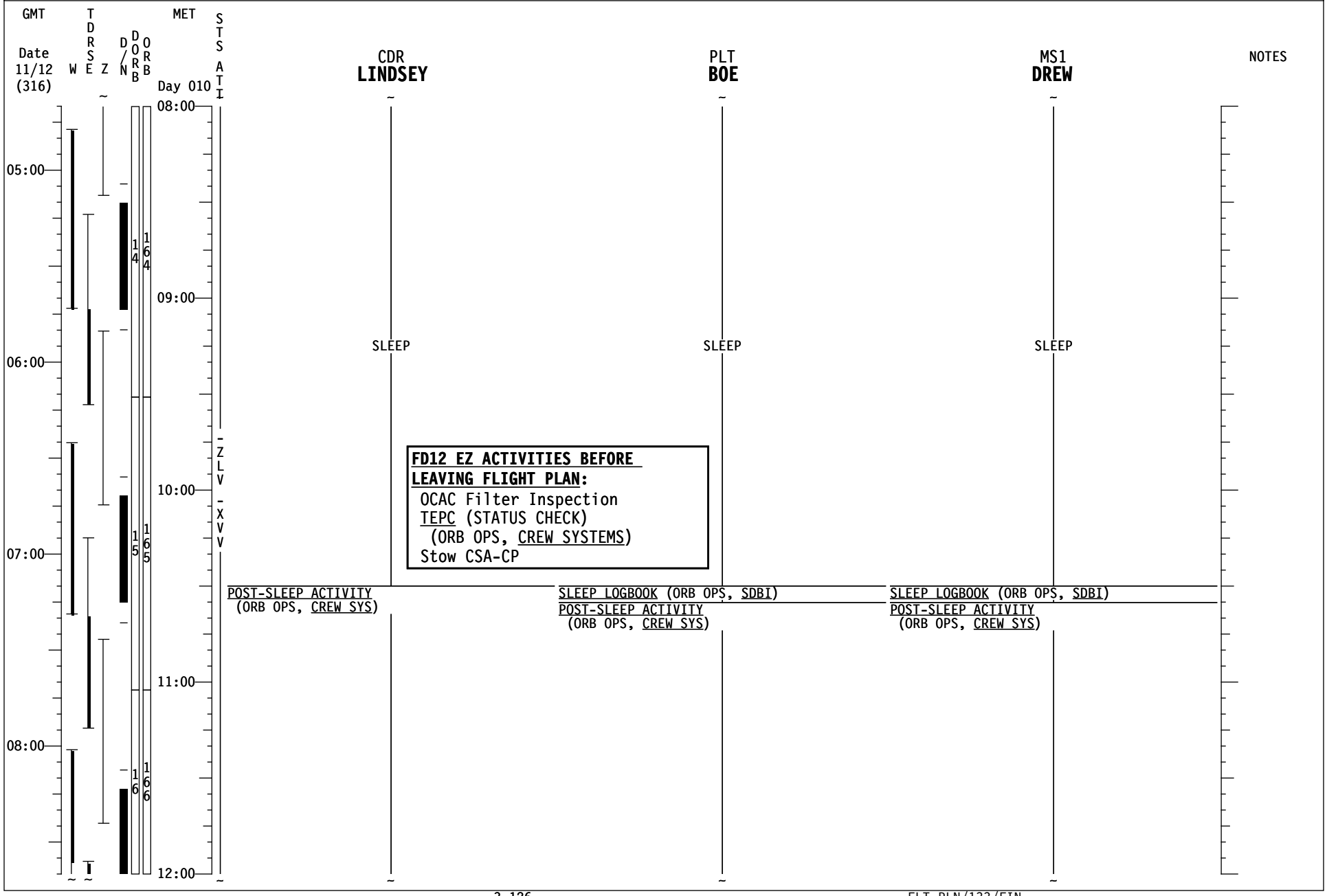
STS-133 FD (11)


GMT
Date
11/12
(316)
W
TDRS E
Z
D/N
DORB
DORB
MET
Day 010
STS ATI
CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
01:00
02:00
03:00
04:00
04:00
05:00
06:00
07:00
08:00
11
12
13
161
162
163
-ZLV
-XVV
SLEEP
SLEEP
SLEEP

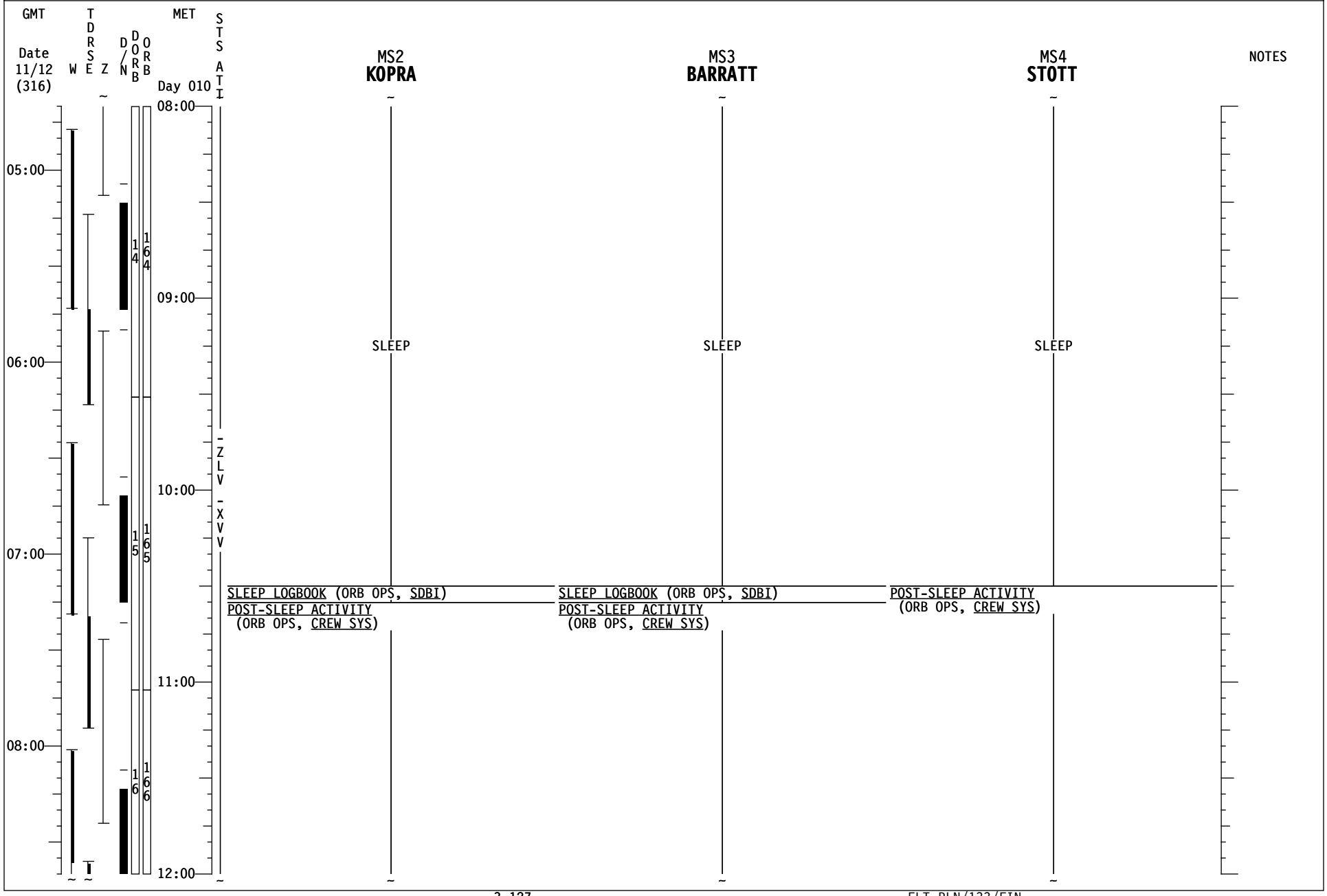
STS-133 FD (11)


GMT
Date 11/12 (316)
W
TDRSE
Z
D/N
DORB
ORB
MET
Day 010
STS ATI
MS2 KOPRA
MS3 BARRATT
MS4 STOTT
NOTES
01:00
02:00
03:00
04:00
04:00
05:00
06:00
07:00
08:00
11
161
12
162
13
163
ZLV
XVV
SLEEP
SLEEP
SLEEP

STS-133 FD (12)


GMT
Date 11/12 (316)
W
T D R S E
Z
D/N
D O R B
O R B
MET
Day 010
S T S A T I
CDR
LINDSEY
PLT
BOE
MS1
DREW
NOTES
05:00
06:00
07:00
08:00
08:00
09:00
10:00
11:00
12:00
14
15
16
164
165
166
-ZLV-XVV
SLEEP
SLEEP
SLEEP
FD12 EZ ACTIVITIES BEFORE LEAVING FLIGHT PLAN:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Stow CSA-CP
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (12)


GMT
Date 11/12 (316)
W
T D R S E
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D/N
D O R B
O R B
MET
Day 010
S T S A T I
05:00
06:00
07:00
08:00
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09:00
10:00
11:00
12:00
14
15
16
164
165
166
-ZLV-XVV
MS2
KOPRA
MS3
BARRATT
MS4
STOTT
NOTES
SLEEP
SLEEP
SLEEP
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-133 FD (12)

GMT Date 11/12 (316) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 010 | STS ATI

CDR LINDSEY

12:00
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

-ZLV
PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G (two) - OFF
Perform via A/G2

-XVV
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

13:00
PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN)
Step 12(Recover IMU 3),10,9,7,6(DualG2),5

IMU
MNVR IMU STAR ALIGN ATT A (pg 3-130)
A1/AUTO/VERN (13:19), Init MNVR
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 (13:49), Init TRK

14:00

-XSI

15:00

COMM

16:00

PLT BOE

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN)
Step 12(Recover IMU 3),10,9,7,6(DualG2),5

A6L MADS STRAIN GAGE - PCM ENA
DOFFING ACTIWATCH (ORB OPS, SDBI)
AIR SAMPLE Rcd MET and location on bottle
TISSUE EQUIVALENT PROPORTIONAL COUNTER(TEPC)
(ORB OPS, CREW SYSTEMS)
Powerdown

MS1 DREW

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DOFFING ACTIWATCH (ORB OPS, SDBI)

NOTES

GO TO DEORBIT PREP @ 10/13:55

STS-133 FD (12)

GMT Date 11/12 (316) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 010 | STS ATI

MS2 KOPRA	MS3 BARRATT	MS4 STOTT	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		AEM CHECK (CUE CARD)	
	GLACIER STATUS CK (Cue Card) - Both Units	GIRA STOWAGE (ORB OPS, ECLS)	
	CGBA STATUS CK (Cue Card)		
	DOFFING ACTIWATCH (ORB OPS, SDBI)		
	PGSC NETWORK (B. TEARDOWN) (ORB OPS, PGSC) Stow remaining PGSCs	OCAC STOWAGE (ORB OPS, CREW SYS)	
DOFFING ACTIWATCH (ORB OPS, SDBI)		AEM MUFFLER REMOVE C	

GO TO DEORBIT PREP @ 10/13:55

C Remove muffler from each AEM unit (MF71K and MF43K) and stow in MF430

Time scale: 09:00, 10:00, 11:00, 12:00; 12:00, 13:00, 14:00, 15:00, 16:00

Orbits: 16, 166, 167, 168, 169

STS ATI: -ZLV, -XVV, IMU, -XSI, COMM

A IMU STAR ALIGN PAD

ID: -Y: 72 ALUDRA
MET (010/13:18 TO 010/14:07)

ID: -Z: 95 BETA GRUIS
MET (010/13:05 TO 010/13:49)

ANG DIFF: 91.6

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z: 72	-Y: 95
R	194	R 96	282
P	143	P 129	130
Y	337	Y 327	350

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

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

EXECUTION TIME: ____/___:___:___MET

B IMU VERIFICATION STAR ALIGN PAD

ID: -Y: 47 GIENAH
MET (010/13:34 TO 010/14:23)

ID: -Z: 39 ALHENA
MET (010/13:07 TO 010/14:02)

ANG DIFF: 89.9

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z: 47	-Y: 39
R	84	R 358	173
P	85	P 75	84
Y	19	Y 8	28

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

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

If any ΔX, ΔY, OR ΔZ > 0.1 Check MCC

EXECUTION TIME: ____/___:___:___MET

A IMU STAR ALIGN PAD

ID: -Y:
MET (/ : TO / :)

ID: -Z:
MET (/ : TO / :)

ANG DIFF:

DUAL S TRKR ALIGNMENT

R
P
Y

2nd ATTITUDE (SINGLE S TRKR)
-Z: -Y:

R
P
Y

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

ANG: 1 2 3

ΔX ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

ΔY ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

ΔZ ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

EXECUTION TIME: ____/___:___:___MET

B IMU VERIFICATION STAR ALIGN PAD

ID: -Y:
MET (/ : TO / :)

ID: -Z:
MET (/ : TO / :)

ANG DIFF:

DUAL S TRKR ALIGNMENT

R
P
Y

2nd ATTITUDE (SINGLE S TRKR)
-Z: -Y:

R
P
Y

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

ANG: 1 2 3

ΔX ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

ΔY ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

ΔZ ( )___,___ ___ ( )___,___ ___ ( )___,___ ___

If any ΔX, ΔY, OR ΔZ > 0.1 Check MCC

EXECUTION TIME: ____/___:___:___MET

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Space Shuttle Program
FLIGHT DATA FILE

JSC-48000-133
FINAL

FLIGHT PLAN

STS
133

Flight Cover (trim bottom to expose tabs)