

Flight Plan

STS-400

(STS-400 OCF Trajectory)

Mission Operations Directorate Operations Division

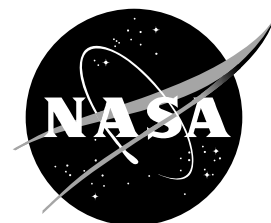
Basic
June 2, 2008

For the latest working copy of the Flight Plan, visit
<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=400>

<u>EVENT</u>	<u>FD</u>	<u>MET</u>	<u>DATE</u>	<u>CDT</u>	<u>GMT</u>
Launch	1	00/00:00	8/14/2008	03:58	227/08:58
OMS-2	1	00/00:43	8/14/2008	04:41	227/09:41
125 Grapple	2	00/23:07	8/15/2008	03:05	228/08:05
EVA 1	3	01/18:45	8/16/2008	22:43	229/03:43
EVA 2	4	02/17:50	8/17/2008	21:48	230/02:48
EVA 3	4	02/23:25	8/17/2008	03:23	230/08:23
125 Release	4	03/04:24	8/17/2008	08:22	230/13:22
Late Inspection	5	03/17:30	8/18/2008	21:28	231/02:28
Deorbit	8	06/22:23	8/20/2008	02:21	234/07:21
Landing	8	06/23:32	8/20/2008	03:31	234/08:30

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas



Verify this is the correct version for the pending operation (training, simulation or flight).
Electronic copies of FDF books are available. URL: <http://mod.jsc.nasa.gov/do3/FDF/index.html>

MISSION OPERATIONS DIRECTORATE

**FLIGHT PLAN
STS-400**

BASIC
June 2, 2008

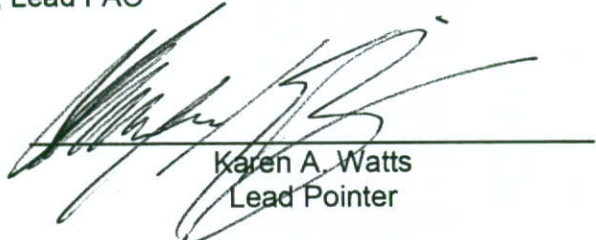
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Incorporates the following:
482#: FLT PLN-2059

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Timeline Support	DO4/C. Hyde	281-483-5734
Lead Pointer	DO4/K. Watts	281-244-5368

FLIGHT PLAN
STS-400

LIST OF EFFECTIVE PAGES

BASIC 06/02/08

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ii.....	*	400/BAS	3-18	400/BAS
iii.....	*	400/BAS	3-19	400/BAS
iv.....	*	400/BAS	3-20	400/BAS
v	*	400/BAS	3-21	400/BAS
vi.....	*	400/BAS	3-22	400/BAS
1-1		400/BAS	3-23	400/BAS
1-2		400/BAS	3-24	400/BAS
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1-4		400/BAS	3-26	400/BAS
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3-5		400/BAS	3-53	400/BAS
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3-16		400/BAS	3-64	400/BAS

* – Omit from flight book

3-65.....	400/BAS
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INTRODUCTION

The STS-400 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-17462-400, STS-400 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints

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-400 Flight Plan is based on a launch date of August 14, 2008 at 08:58 GMT (3:58 AM CDT). Orbiter inertial attitudes are expressed relative to a mean of 1950 (M50) reference frame.

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

<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=400>

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-400 HST LON (7+4+2)

MET		12	13	14	15	16	17	18	19	20	21	22	23	00/0	1	2	3	4	5	6	7	8	9	10	11
FD1	LON														ASC	POST INSERT.	PTV01, PGSC, etc.	RMS C/O	RNDZ Tools	Pre Slp	Sleep				
	ATT														BIAS -ZLV+YVV				-ZLV -XVV						
	MET		12	13	14	15	16	17	18	19	20	21	22	23	01/0	1	2	3	4	5	6	7	8	9	10
FD2	LON	Sleep	Post Sleep	Rndz A/L Prep; EMU C/O					RMS Ops	MNVR	EVA Rvw		Pre Sleep	Sleep											
	HST/STS-125	Sleep	Post Sleep	Rndz EVA Prep/EVA Tool Config					EVA Prep	EVA Rvw		Pre Sleep	Sleep												
	ATT	-ZLV -XVV		Simo		Simo Dump^		^NH ^NC2		^Ti		^Grapple (23:07)		-XLV -ZVV											
MET		12	13	14	15	16	17	18	19	20	21	22	23	02/0	1	2	3	4	5	6	7	8	9	10	11
FD3	LON	Sleep	Post Sleep	EVA Support					EVA Rvw		Pre Sleep	Sleep													
	HST/STS-125	Sleep	Post Sleep	EVA Prep	EVA 1			Post EVA	EVA Rvw		Pre Sleep	Sleep													
	ATT														-XLV -ZVV										
MET		12	13	14	15	16	17	18	19	20	21	22	23	03/0	1	2	3	4	5	6	7	8	9	10	11
FD4	LON	Sleep	Post Sleep	EVA Support					Meal	EVA Support		STS-125 Release	Pre Sleep	Sleep											
	HST/STS-125	Sleep	Post Sleep	EVA Prep	EVA 2	Post EVA	EVA Prep	EVA 3	Post EVA	EVA Support		Pre Sleep	Sleep												
	ATT														-XLV -ZVV		Release (3/04:24)^					-ZLV -XVV			
MET		12	13	14	15	16	17	18	19	20	21	22	23	04/0	1	2	3	4	5	6	7	8	9	10	11
FD5	LON	Sleep	Post Sleep	Un Berth	STBD Wing/Tile	Nose	Port Wing	Meal	Port Wing/Tile	Berth	LDRI DnK	Pre Sleep	Sleep												
	ATT	-ZLV -XVV		Survey					-ZLV -XVV																
	MET		12	13	14	15	16	17	18	19	20	21	22	23	05/0	1	2	3	4	5	6	7	8	9	10
FD6	LON	Sleep	Post Sleep	Crw Cbn Survey	Cabin Stow		Meal	A/O	Off Duty		Pre Sleep	Sleep													
	ATT	-ZLV -XVV		-ZLV +YVV		-ZLV -XVV																			
			^Water Dump/CWC Dump					*Crew Conference																	
MET		12	13	14	15	16	17	18	19	20	21	22	23	06/0	1	2	3	4	5	6	7	8	9	10	11
FD7	LON	Sleep	Post Sleep	FCS C/O, RCS HF, PLT OPS	Cabin Stow/ EVA Ent Prp	LD	Meal	Seat Install		Pre Sleep	Sleep														
	ATT														-ZLV -XVV										
			*Brief					^Water Dump																	
MET		12	13	14	15	16	17	18	19	20	21	22	23	07/0											
FD8	LON	Sleep	Post Sleep	IMU	D/O PREP		LDG																		
	ATT	-ZLV -XVV		IMU	-XSI	COMM	ENTRY																		
																^ Landing KSC 6/23:33									

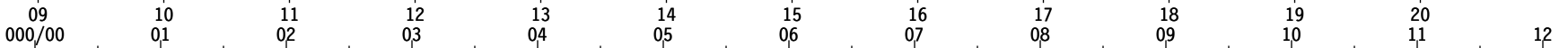
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SUMMARY TIMELINE

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FD01

GMT 08/14/08 (227)



MET Day 000

STS-400	LON CDR	POST INSERTION	GIRA INSTALL	OMS BURN	NC1A -ZLV -XVV FUT M NVR GRPB PWRDN UMB WELL D/L AFT CNTLR ELV PRK TEPC ON OCAC SETUP LOAD DAPS FC PURGE PMC A/G	PRE SLEEP	SLEEP	ASSUMPTIONS: 1. NC1 & NPC CAN BE COMBINED.					
	LON PLT	POST INSERTION	PVIDE 001 SETUP	IMU P/TV01 VIDEO SETUP	OMS BURN	RMS PWRUP	RMS C/O	RS SR PE LY	P/TV01 VIDEO SETUP	APU*	PRE SLEEP	SLEEP	
	LON MS1	POST INSERTION	PGSC SETUP			WLES ACT	H H V I D E O D / L	E T P H O T O	RNDZ TOOLS C/O	PRE SLEEP	SLEEP		
	LON MS2	POST INSERTION	RMS* PGSC SETUP	SEE SETUP	RMS PWRUP	RMS C/O	RS SR PE LY	RNDZ TOOLS C/O	PRE SLEEP	SLEEP			
STS	DAY/NIGHT	[Bar chart showing day/night cycle]											
	ORBIT	[Bar chart showing orbit segments 2-8]											
	TDRS	W -171	[Bar chart showing TDRS coverage]										
	E -46	[Bar chart showing TDRS coverage]											
	Z -275	[Bar chart showing TDRS coverage]											
	400 ORB ATT	ASCENT	-ZLV -YVV	NC-1	*ON-ORBIT INIT							*RECONFIG	-ZLV -XVV
NOTES													

FD02

GMT 08/14/08 (227)
MET Day 000

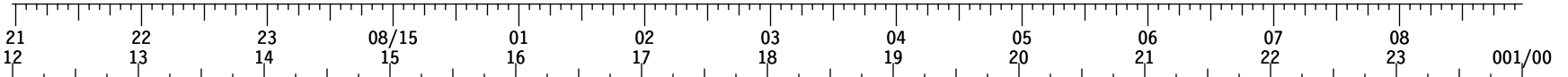
21 22 23 08/15 01 02 03 04 05 06 07 08
12 13 14 15 16 17 18 19 20 21 22 23 001/00

STS-400	LON CDR	SLEEP	POST SLEEP	MNVRA IMU	POST SLEEP	GRPB PWRUP	NHΔ	NC2Δ	ΔT1	STS-400 RNDZ OPS	ATLANTIS	GRPB PWRDN
	LON PLT	SLEEP	POST SLEEP		MCIU*	GRPB PWRUP			KEEL CMR	STS-400 RNDZ OPS	125 GRAP PLE	125 ATT HOLD/EVA POS
	LON MS1	SLEEP	POST SLEEP	SIMO INIT	POST SLEEP	SIMO TERM	C/L CMR INSTL	A/L PREP		STS-400 RNDZ OPS	P/TV 02 RNDZ	GRAP PLE GRPB PWRDN
	LON MS2	SLEEP	POST SLEEP		FCMS OPS	POST SLEEP	C/L CMR INSTL	A/L PREP	EMU C/O	STS-400 RNDZ OPS	KEEL CMR	125 GRAP PLE
DAY/NIGHT	[Bar chart showing day/night cycle]											
ORBIT	[Bar chart showing orbit parameters]											
TDRS	[Bar chart showing TDRS events]											
400 ORB ATT	[Bar chart showing 400 ORB ATT events]											
NOTES	-ZLV -XVV -ZLV +YVV *FILTER CK <div style="text-align: right;">*00/23:07</div>											

FD02

GMT 08/14/08 (227)

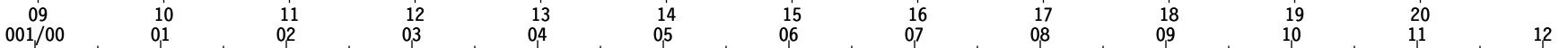
MET Day 000



STS-125	ALTMAN CDR/CDR EV	SLEEP	POST SLEEP	10:20M	GP RP UP BP	STS-400 RNDZ OPS				ATLANTIS GRAPPLE*	
	JOHNSON PLT/PLT EV	SLEEP	POST SLEEP		GP RP UP BP	STS-400 RNDZ OPS					
	GOOD MS1/EV4	SLEEP	POST SLEEP		MC CI U*	STS-400 RNDZ OPS					
	McARTHUR MS2/RMS EV	SLEEP	POST SLEEP			MDDK PREP	EVA 1 TOOL CONFIG		MEAL		
	GRUNSFELD MS3/EV1	SLEEP	POST SLEEP		A/L PREP	MDDK PREP	EVA 1 TOOL CONFIG		MEAL		
	MASSIMINO MS4/EV3	SLEEP	POST SLEEP						MEAL		
	FEUSTEL MS5/EV2	SLEEP	POST SLEEP		A/L PREP	MDDK PREP	EVA 1 TOOL CONFIG		MEAL		
STS	DAY/NIGHT										
	ORBIT	8	9	10	11	12	13	14	15	16	
	TDRS	W -171	E -46	Z -275							
	125 ORB ATT										
NOTES	*FILTER CK										*00/23:07

FD02

GMT 08/15/08 (228)

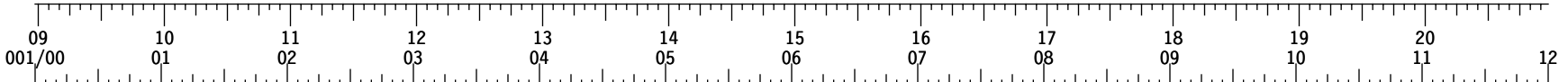


MET Day 001

STS-400	LON CDR		MNVR BIAS -XLV -ZVV	CRYO 02 SNSR CK	EVA 1 PROCEDURE RVW	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	
	LON PLT	125 ATT HOLD/EVA POS	MNVR BIAS -XLV -ZVV		EVA 1 PROCEDURE RVW			PRE SLEEP	SLEEP	
	LON MS1	POST RNDZ PGSC CNFG		COND CWC S/U	EVA 1 PROCEDURE RVW			PRE SLEEP	SLEEP	
	LON MS2	125 ATT HOLD/EVA POS		COND CWC S/U	EVA 1 PROCEDURE RVW			PRE SLEEP	SLEEP	
STS	DAY/NIGHT	[Day/Night Cycle: Day (white), Night (black)]								
	ORBIT	[Orbit Cycle: 16, 17, 18, 19, 20, 21, 22, 23]								
	TDRS	[TDRS Cycle: W -171, E -46, Z -275]								
	400 ORB ATT	[400 ORB ATT Cycle: RMS MNVR, BIAS -XLV -ZVV]								
NOTES										

FD02

GMT 08/15/08 (228)



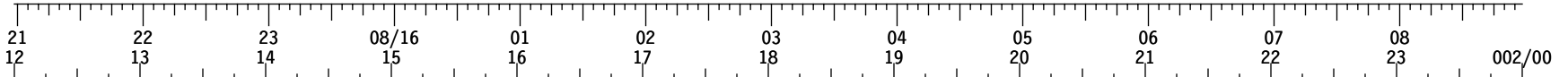
MET Day 001

S T S - 1 2 5	ALTMAN CDR/CDR EV		LIQH C/O W/BATT		EVA 1 PROCEDURE RVW	PRE SLEEP	PMC A/G	MA INT	PRE SLEEP		SLEEP	
	JOHNSON PLT/PLT EV		EVA 1 EMU RESIZE		EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
	GOOD MS1/EV4		EVA 1 EMU RESIZE		EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
	McARTHUR MS2/RMS EV				EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
	GRUNSFELD MS3/EV1				EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
	MASSIMINO MS4/EV3		LIQH C/O W/BATT		EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
	FEUSTEL MS5/EV2				EVA 1 PROCEDURE RVW				PRE SLEEP		SLEEP	
S T S	DAY/NIGHT											
	ORBIT											
	TDRS	W -171										
		E -46										
	Z -275											
	125 ORB ATT											
	NOTES											

FD03

GMT 08/15/08 (228)

MET Day 001

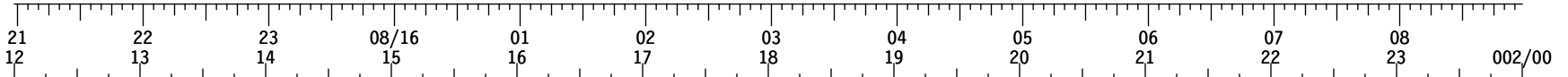


STS-400	LON CDR	SLEEP	POST SLEEP	IMU	POST SLEEP	INHIBIT PAD	PREP	10.2 DPRS	MAINT				MEAL					
	LON PLT	SLEEP	POST SLEEP			MCIU*	PREP	10.2 DPRS	MAINT	PSETTUP 04	P/TV04 EVA							
	LON MS1	SLEEP	POST SLEEP							EMU CONFIG	DPR	IVA SUPPORT			PRPS	PEVAPP2		
	LON MS2	SLEEP	POST SLEEP							EMU CONFIG	DPR	IVA SUPPORT	PRPS	POST EVA 1	DPR	IVA SUPPORT		PRPS
STS	DAY/NIGHT	[Day/Night Cycle]																
	ORBIT	[Orbit Cycle]																
	TDRS	[TDRS Cycle]																
	400 ORB ATT	[400 ORB ATT Cycle]																
NOTES	BIAS -XLV -ZVV *FILTER CK																	

FD03

GMT 08/15/08 (228)

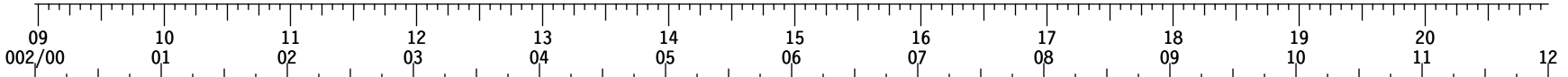
MET Day 001



STS-125	ALTMAN CDR/CDR EV	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	MAINT	POST SLEEP	INHIBIT										MEAL		
	JOHNSON PLT/PLT EV	SLEEP	POST SLEEP																MEAL	
	GOOD MS1/EV4	SLEEP	POST SLEEP		HST EVA 1 PREP	PURGE	EMU PRE BREATHE	DP	DP	IVA SUPPORT					PPRS	POST EVA	LON EVA2 TOOL CFG			
	McARTHUR MS2/RMS EV	SLEEP	POST SLEEP		HST EVA 1 PREP	PURGE	EMU PRE BREATHE	DP	DP	EGRESS/SETUP	RMS EV XFR	PPRS*	PPRS	PST EVA P1				MEAL		
	GRUNSFELD MS3/EV1	SLEEP	POST SLEEP		HST EVA 1 PREP	PURGE	EMU PRE BREATHE	DP	DP	EGRESS/SETUP	(PET=4:50)			RMS EV XFR	CLEANUP / INGRESS	PPRS*	PPRS	PEVA P2		
	MASSIMINO MS4/EV3	SLEEP	POST SLEEP		HST EVA 1 PREP	PURGE	EMU PRE BREATHE	DP	DP	IVA SUPPORT					PPRS	POST EVA	LON EVA2 TOOL CFG			
	FEUSTEL MS5/EV2	SLEEP	POST SLEEP		HST EVA 1 PREP	PURGE	EMU PRE BREATHE	DP	DP	EGRESS/SETUP				RMS EV XFR	CLEANUP / INGRESS	PPRS*	PPRS	PEVA P2		
STS	DAY/NIGHT	[Timeline bars for Day/Night]																		
	ORBIT	[Timeline bars for Orbit]																		
	TDRS	W -171	[Timeline bars for TDRS]																	
	E -46	[Timeline bars for TDRS]																		
	Z -275	[Timeline bars for TDRS]																		
	125 ORB ATT	[Timeline bars for 125 ORB ATT]																		
	NOTES	BIAS +XLV +ZVV *ON LON ORBITER *ON LON ORBITER																		

FD03

GMT 08/16/08 (229)

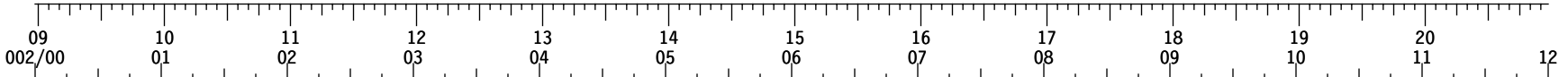


MET Day 002

S T S - 4 0 0	LON CDR		EVA 2/3 PROCEDURE RV	PRE SLEEP	M A I N T	PRE SLEEP	PMC A/G	PRE SLEEP		SLEEP	
	LON PLT		EVA 2/3 PROCEDURE RV	PRE SLEEP					SLEEP		
	LON MS1		EVA 2/3 PROCEDURE RV	PRE SLEEP					SLEEP		
	LON MS2		EVA 2/3 PROCEDURE RV	PRE SLEEP					SLEEP		
S T S	DAY/NIGHT	[Bar chart showing day/night cycle]									
	ORBIT	31	32	33	34	35	36	37	38		
	TDRS	W -171	E -46	Z -275	[Bar chart showing TDRS events]						
	400 ORB ATT	BIAS -XLV -ZVV									
NOTES											

FD03

GMT 08/16/08 (229)

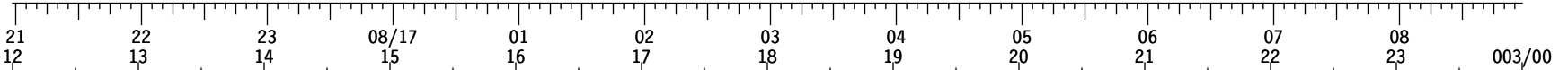


MET Day 002

S T S - 1 2 5	ALTMAN CDR/CDR EV		EVA 2/3 PROCEDURE RV	PRE SLEEP	M A I N T P M C A / G	PRE SLEEP	SLEEP	
	JOHNSON PLT/PLT EV	EVA2 EMU RESIZE	EVA 2/3 PROC REVIEW	PRE SLEEP			SLEEP	
	GOOD MS1/EV4	LON EVA2 TOOL CFG	EVA2 EMU RESIZE	EVA 2/3 PROC REVIEW	PRE SLEEP		SLEEP	
	McARTHUR MS2/RMS EV ON LON ORBITER		EVA 2/3 PROC REVIEW	PRE SLEEP			SLEEP	
	GRUNSFELD MS3/EV1 ON LON ORBITER		EVA 2/3 PROC REVIEW	PRE SLEEP			SLEEP	
	MASSIMINO MS4/EV3	LON EVA2 TOOL CFG	EVA 2/3 PROC REVIEW	PRE SLEEP			SLEEP	
	FEUSTEL MS5/EV2 ON LON ORBITER		EVA 2/3 PROC REVIEW	PRE SLEEP			SLEEP	
S T S	DAY/NIGHT							
	ORBIT							
	TDRS	W -171						
	125 ORB ATT	E -46						
		Z -275						
			BIAS +XLV +ZVV					
	NOTES							

FD04

GMT 08/16/08 (229)

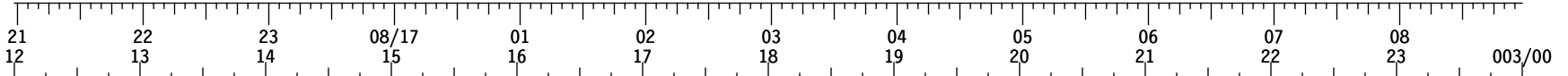


MET Day 002

STS-400	LON CDR	SLEEP	POST SLEEP	MAINT	POST SLEEP	POST SLEEP	INHIBIT PAD	HTR										MEAL	
	LON PLT	SLEEP	POST SLEEP				MCIU*	PSETUP TV04										MEAL	P/TV04 EVA
	LON MS1	SLEEP	POST SLEEP						DPRS									MEAL	
	LON MS2	SLEEP	POST SLEEP															MEAL	
STS	DAY/NIGHT	[Day/Night Cycle]																	
	ORBIT	39 40 41 42 43 44 45 46																	
	TDRS	W -171 E -46 Z -275																	
	400 ORB ATT	BIAS -XLV -ZVV																	
NOTES	*REG RCNFG *FILTER CK																		

FD04

GMT 08/16/08 (229)

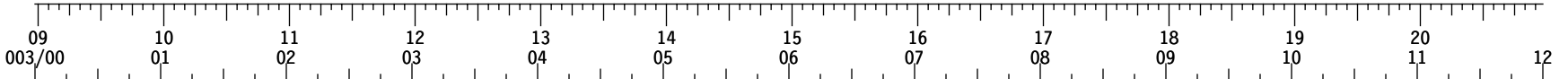


MET Day 002

S T S - 1 2 5	ALTMAN CDR/CDR EV	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	MAINT	POST SLEEP	INHIBIT	MCIU*						POST EVA 2	EMU RESIZE	HST EVA 3 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP	
	JOHNSON PLT/PLT EV	SLEEP	POST SLEEP				EVA2 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP	EMU/PLT EV XFR	C L N G U R S /	P R P R S S *	POST EVA2		MEAL					
	GOOD MS1/EV4	SLEEP	POST SLEEP				EVA2 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	IVA SUPPORT			P R P R S S *	POST EVA 2	EMU RESIZE	HST EVA 3 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP
	McARTHUR MS2/RMS EV ON LON ORBITER	SLEEP	ASPIRIN				POST SLEEP											MEAL					
	GRUNSFELD MS3/EV1 ON LON ORBITER	SLEEP	ASPIRIN	POST SLEEP	PMC A/G	POST SLEEP		EMUCFG	EVA PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP	EMU/PLT EV XFR	C L N G U R S /	P R P R S S *	POST EVA2		MEAL			
	MASSIMINO MS4/EV3	SLEEP	POST SLEEP				EVA2 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP	EMU/PLT EV XFR	C L N G U R S /	P R P R S S *	POST EVA 2	L I O H ^	HST EVA 3 PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	EGRS/ SETUP
	FEUSTEL MS5/EV2 ON LON ORBITER	SLEEP	ASPIRIN				POST SLEEP	EMUCFG	EVA PREP	PURGE	EMU PRE BREATHE	DPRS	DPRS	IVA SUPPORT			P R P R S S *	POST EVA2		EMU XFR		EMU CFG	
S T S	DAY/NIGHT	[Timeline bars for Day/Night]																					
	ORBIT	[Timeline bars for Orbit]																					
	TDRS	W -171	[Timeline bars for TDRS]																				
	E -46	[Timeline bars for TDRS]																					
	Z -275	[Timeline bars for TDRS]																					
	125 ORB ATT	[Timeline bars for TDRS]																					
NOTES	*FILTER CK *On LON Orbiter *ON LON ORBITER ^C/O W/BATT																						

FD04

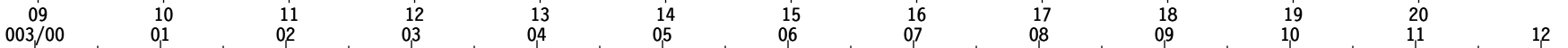
GMT 08/17/08 (230)
MET Day 003



STS-400	LON CDR					STS-125 RELEASE PREP	GRP B PWR UP	SEP1 Δ SEP2 A L A N T S R E L E A S E	PRE SLEEP	PRE SLEEP	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	LON PLT	P/TV04 EVA			C/L CMR INSTL	STS-125 RELEASE PREP	GRP B PWR UP	STS-125 RELEASE	PRE SLEEP					SLEEP
	LON MS1	DPRS	IVA SUPPORT	P R P R S	PST EVA 3	RNDZ TOOLS C/O	P S E T T V U P 0 3	P V 0 3 R E L E A S E	POST RLS PGSC RCNFG	PRE SLEEP				SLEEP
	LON MS2				W L E S	RNDZ TOOLS C/O		S T E L E A S E * 1 2 5	PRE SLEEP					SLEEP
STS	DAY/NIGHT	[Timeline with shaded day/night blocks]												
	ORBIT	46	47	48	49	50	51	52	53					
	TDRS	W -171	E -46	Z -275	[Timeline with TDRS activity bars]									
	400 ORB ATT	BIAS -XLV -ZVV SEP -ZLV -XVV												
NOTES	*03/04:24													

FD04

GMT 08/17/08 (230)

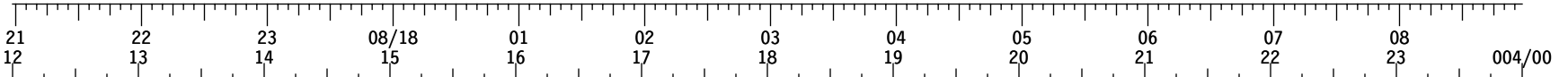


MET Day 003

S T S - 1 2 5	ALTMAN CDR/CDR EV	EMU/CDR EV XFR	CLNUP/ INGRES	P R P R S *	PST EVA 3	A T L A N T I S R E L E A S E *	ΔSEP1 ΔSEP2 PRE SLEEP	PFC A/G	P S R E E P	PMC A/G	PRE SLEEP	SLEEP
	JOHNSON PLT/PLT EV ON LON ORBITER						PRE SLEEP	PFC A/G		PRE SLEEP		SLEEP
	GOOD MS1/EV4	(PET=2:30) EMU/CDR EV XFR	CLNUP/ INGRES	P R P R S *	PST EVA 3		PRE SLEEP	PFC A/G		PRE SLEEP		SLEEP
	McARTHUR MS2/RMS EV ON LON ORBITER						PRE SLEEP	PFC A/G		PRE SLEEP		SLEEP
	GRUNSFELD MS3/EV1 ON LON ORBITER						PRE SLEEP	PFC A/G		PRE SLEEP		SLEEP
	MASSIMINO MS4/EV3	EMU/CDR EV XFR	CLNUP/ INGRES	P R P R S *	PST EVA 3		PRE SLEEP	PFC A/G		PRE SLEEP		SLEEP
	FEUSTEL MS5/EV2 ON LON ORBITER	D P R S	I V A S U P P O R T		P R P R S *		PST EVA 3	PRE SLEEP	PFC A/G		PRE SLEEP	
S T S	DAY/NIGHT ORBIT	46	47	48	49	50	51	52	53			
	W -171	[Timeline bars]										
	E -46	[Timeline bars]										
	Z -275	[Timeline bars]										
	125 ORB ATT	BIAS +XLV +ZVV SEP										
	NOTES	*EGRS/ SETUP ØEGRS/ SETUP ♦EGRS/ SETUP *ON LON ORBITER *03/04:24										

FD05

GMT 08/17/08 (230)

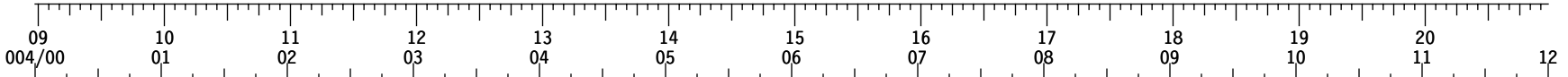


MET Day 003

STS-400	LON CDR	SLEEP	POST SLEEP	14.7 RPRS	CNFG	POST SLEEP	STBD	MNVR NOSE	MNVR PORT	MEAL		
	LON PLT	SLEEP	POST SLEEP	14.7 RPRS	CNFG	POST SLEEP				MEAL		
	LON MS1	SLEEP	POST SLEEP							MEAL		
	LON MS2	SLEEP	POST SLEEP							MEAL		
STS-125	125 CREW	SLEEP	POST SLEEP	ASPIRIN	OBSS UNBERTH	STBD WING SURVEY	STBD BELLY TILE SRVY	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	MEAL	PT ORL TBSERLVLY
STS	DAY/NIGHT	[Timeline bars for Day/Night]										
	ORBIT	[Timeline bars for Orbit]										
	TDRS	[Timeline bars for TDRS]										
400 ORB ATT		-ZLV -XVV					BIAS +XSI					
NOTES												

FD05

GMT 08/18/08 (231)



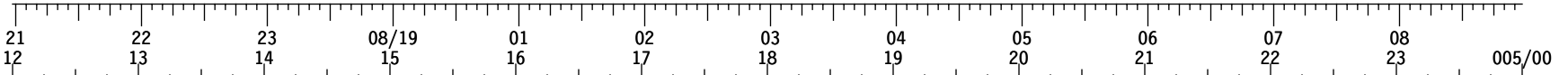
MET Day 004

STS-400	LON CDR			-ZLV -XVV		WCS*	PRE SLEEP	PMC OCA	PRE SLEEP	SLEEP	
	LON PLT						FILTER CLEANING		PRE SLEEP	SLEEP	
	LON MS1		COND C/O		LDRI DNLK	OMS POD SURV			PRE SLEEP	SLEEP	
	LON MS2								PRE SLEEP	SLEEP	
STS-125	125 CREW	PORT BELLY TILE SRVY	PORT WING SURVEY	OBSS BERTH			PRE SLEEP	PMC OCA	PRE SLEEP	SLEEP	
STS	DAY/NIGHT										
	ORBIT	61	62	63	64	65	66	67	68	69	
	TDRS	W -171	E -46	Z -275							
	400 ORB ATT	BIAS +XSI				*COMPACT			-ZLV -XVV		
	NOTES										

FD06

GMT 08/18/08 (231)

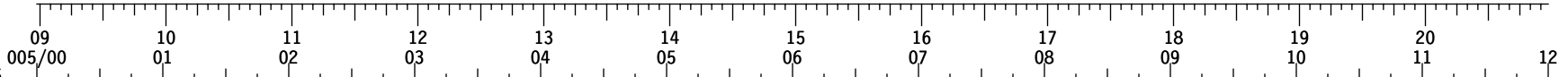
MET Day 004



STS-400	LON CDR	SLEEP	POST SLEEP	POST SLEEP	CABIN STOW	MNVRSIMO	SIMO INIT	CABIN STOW	SIMO TERM	CABIN STOW	-ZLV -XVV	MEAL	
	LON PLT	SLEEP	POST SLEEP	POST SLEEP	CABIN STOW	RMS PWRDN		CABIN STOW		CWC DUMP		MEAL	
	LON MS1	SLEEP	POST SLEEP	POST SLEEP	CTO/ND CWC			CABIN STOW			P-AD I SG EIT TUA PL	MEAL	
	LON MS2	SLEEP	POST SLEEP	POST SLEEP				CABIN STOW				MEAL	
STS-125	125 CREW	SLEEP	POST SLEEP	CDR PFC POST SLEEP PLT PFC	CREW CABIN SURVEY	RMS PWRDN		CABIN STOW				MEAL	
STS	DAY/NIGHT	[Day/Night Cycle]											
	ORBIT	69 70 71 72 73 74 75 76											
	TDRS	W -171 E -46 Z -275											
400 ORB ATT		-ZLV -XVV					*FILTER CK					-ZLV +YVV	
NOTES													

FD06

GMT 08/19/08 (232)



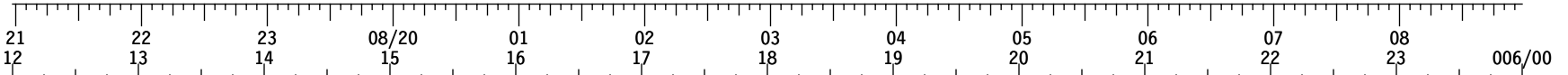
MET Day 005

STS-400	LON CDR	MEAL	CREW CONF	OFF DUTY					PRE SLEEP	PFC OCA	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP								
	LON PLT	MEAL	CREW CONF	OFF DUTY					PFC OCA	PRE SLEEP				SLEEP								
	LON MS1	MEAL	CREW CONF	OFF DUTY					PFC OCA	OFF DUTY	PRE SLEEP				SLEEP							
	LON MS2	MEAL	CREW CONF	OFF DUTY					PFC OCA	OFF DUTY	PRE SLEEP				SLEEP							
STS-125	125 CREW	MEAL	CREW CONF	OFF DUTY	MS1 PFC	OFF DUTY	MS2 PFC	OFF DUTY	MS3 PFC	OFF DUTY	MS4 PFC	OFF DUTY	MS5 PFC	OFF DUTY	OFF DUTY	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP			
STS	DAY/NIGHT																					
	ORBIT																					
	TDRS	W -171																				
	E -46																					
	Z -275																					
	400 ORB ATT																					
	NOTES																					

FD07

GMT 08/19/08 (232)

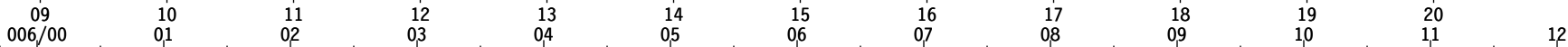
MET Day 005



STS-400	LON CDR	SLEEP	POST SLEEP	IMU	FCS C/O	RFI SRE HOT	PILOT OPS	WCS*	L-1 COMM CHK	CABIN STOW	DB/OI EFFRNG	MEAL
	LON PLT	SLEEP	POST SLEEP		FCS C/O	RFI SRE HOT	PILOT OPS	EVS NITDTREUYOP	CABIN STOW	SSV DEACT	DB/OI EFFRNG	MEAL
	LON MS1	SLEEP	POST SLEEP	PST SLP WBLP	FILTER CLEANING	CABIN STOW		EVA TOOL STOW	POST EVA ENT PREP		DB/OI EFFRNG	MEAL
	LON MS2	SLEEP	POST SLEEP		FCS C/O	RFI SRE HOT	PILOT OPS	EVA TOOL STOW	POST EVA ENT PREP		DB/OI EFFRNG	MEAL
STS-125	125 CREW	SLEEP	POST SLEEP		CABIN STOW						DB/OI EFFRNG	MEAL
STS	DAY/NIGHT	[Day/Night Cycle]										
	ORBIT	[Orbit Data]										
	TDRS	[TDRS Data]										
	400 ORB ATT	[400 ORB ATT Data]										
GND	[GND Data]											
NOTES	*HEATER ACT *COMPACT											

FD07

GMT 08/20/08 (233)



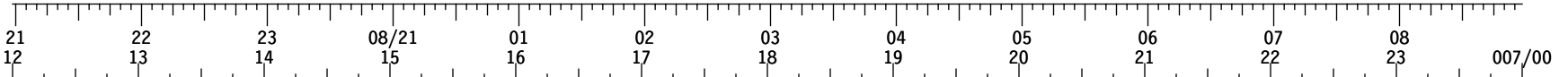
MET Day 006

STS-400	LON CDR	MEAL	L-1 COMM CHK	M N V R S I M O	SIMO INIT	SIMO TERM	-ZLV -XVV	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
	LON PLT	MEAL	SEAT INSTALLATION					PRE SLEEP		PRE SLEEP	SLEEP
	LON MS1	MEAL						K U S T O W		PRE SLEEP	SLEEP
	LON MS2	MEAL	CABIN STOW						W D L E A S C T	P G S C S T O W P A R T I	PRE SLEEP
STS-125	125 CREW	MEAL	SEAT INSTALLATION					PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
STS	DAY/NIGHT	[Day/Night Cycle]									
	ORBIT	91	92	93	94	95	96	97	98	99	
	W -171	[Orbit Data]									
	TDRS E -46	[Orbit Data]									
	Z -275	[Orbit Data]									
400 ORB ATT	-ZLV -XVV -ZLV +YVV -ZLV -XVV										
GND	—DFR —MLA —WSS —DFR —MLA —WSS —DFR —WSS										
NOTES											

FD08

GMT 08/20/08 (233)

MET Day 006



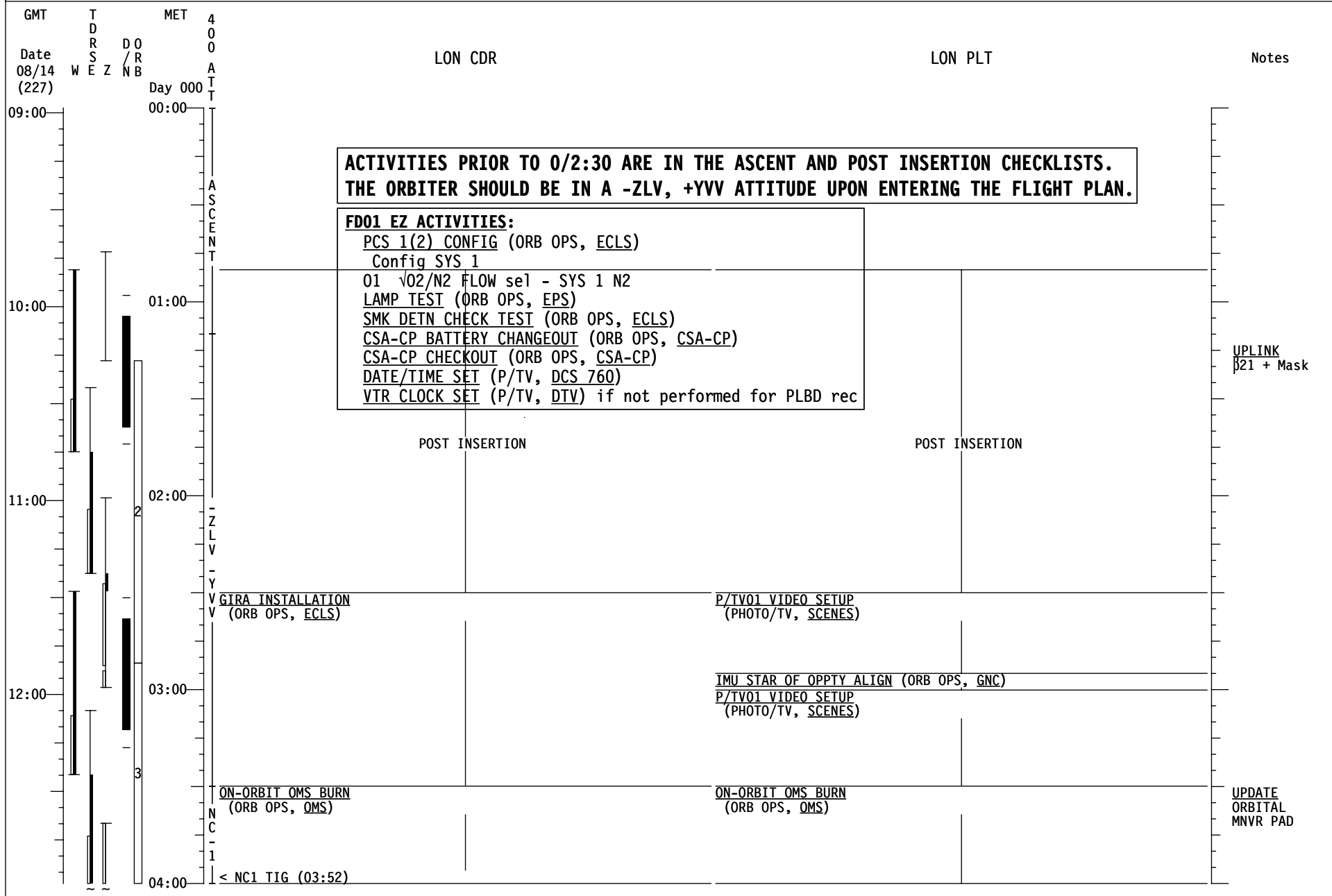
STS-400	LON CDR	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	IMU ALIGN & VERIF	TRK -XSI	DEORBIT PREP	D/O TIG*	KSC LANDING*	
	LON PLT	SLEEP	POST SLEEP		GRWRUP	POST SLEEP	GIRASTOW	DEORBIT PREP			
	LON MS1	SLEEP	POST SLEEP		SAMPLE	STEPDOWN	PGSCSTOW PART II	DEORBIT PREP			
	LON MS2	SLEEP	POST SLEEP		GRWRUP	POST SLEEP	OCASTOW	DEORBIT PREP			
STS-125	125 CREW	SLEEP	POST SLEEP					DEORBIT PREP			
STS	DAY/NIGHT ORBIT	99 100 101 102 103 104 105 106									
	TDRS	W -171 E -46 Z -275									
	400 ORB ATT	-ZLV -XVV -MLA IMU -MLA -XSI COMM ENTRY									
	GND	-DFR -MLA -WSS -DFR -MLA -WSS -DFR -MLA -WSS									
NOTES											

*D/O TIG 06/22:25
*KSC LANDING 06/23:33

DETAILED TIMELINE

DETAILED
TIMELINE

STS-400 (FD01)



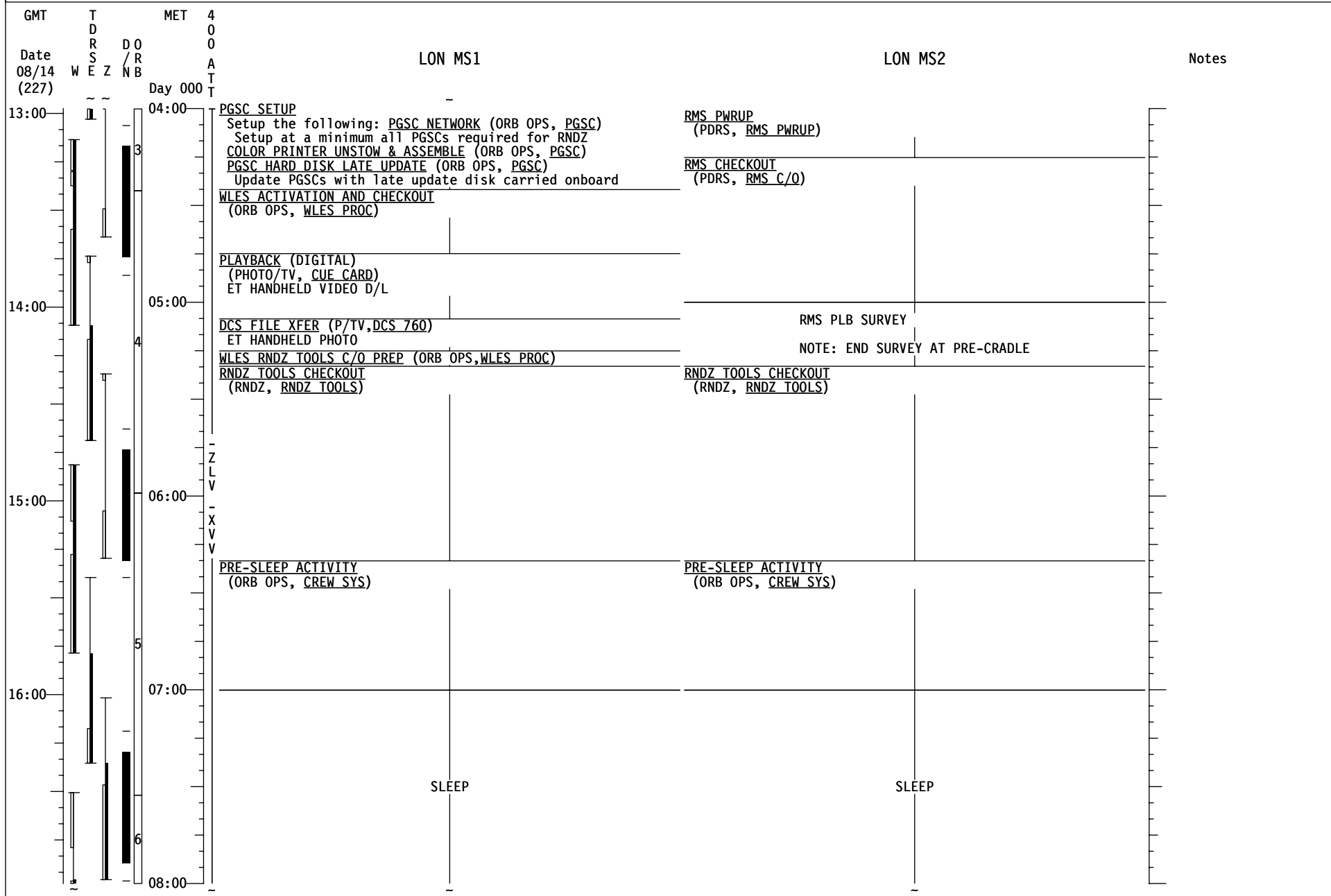
STS-400 (FD01)

GMT	T D R S E Z	MET D O R N B	4 0 0 A T T	LON MS1	LON MS2	Notes
Date 08/14 (227)	W	Day 000	00:00			
09:00			A S C E N T			
10:00				P O S T I N S E R T I O N	P O S T I N S E R T I O N	
11:00			Z L V			
12:00			Y	<u>PGSC SETUP</u> Setup the following: <u>PGSC NETWORK</u> (ORB OPS, <u>PGSC</u>) Setup at a minimum all PGSCs required for RNDZ <u>COLOR PRINTER UNSTOW & ASSEMBLE</u> (ORB OPS, <u>PGSC</u>) <u>PGSC HARD DISK LATE UPDATE</u> (ORB OPS, <u>PGSC</u>) Update PGSCs with late update disk carried onboard	<u>ON-ORBIT INITIALIZATION</u> (PDRS, <u>ON-ORBIT INIT</u>) <u>PGSC SETUP</u> Setup the following: <u>PGSC NETWORK</u> (ORB OPS, <u>PGSC</u>) Setup at a minimum all PGSCs required for RNDZ <u>COLOR PRINTER UNSTOW & ASSEMBLE</u> (ORB OPS, <u>PGSC</u>) <u>PGSC HARD DISK LATE UPDATE</u> (ORB OPS, <u>PGSC</u>) Update PGSCs with late update disk carried onboard	
04:00			N C 1			
						<u>SHUTTLE EMER EYEWASH (SEE)</u> Unstow, attach on or near galley Fill one drink container, label "FOR EYE RINSE ONLY" Attach on or near galley Perform after GIRA Install is complete.

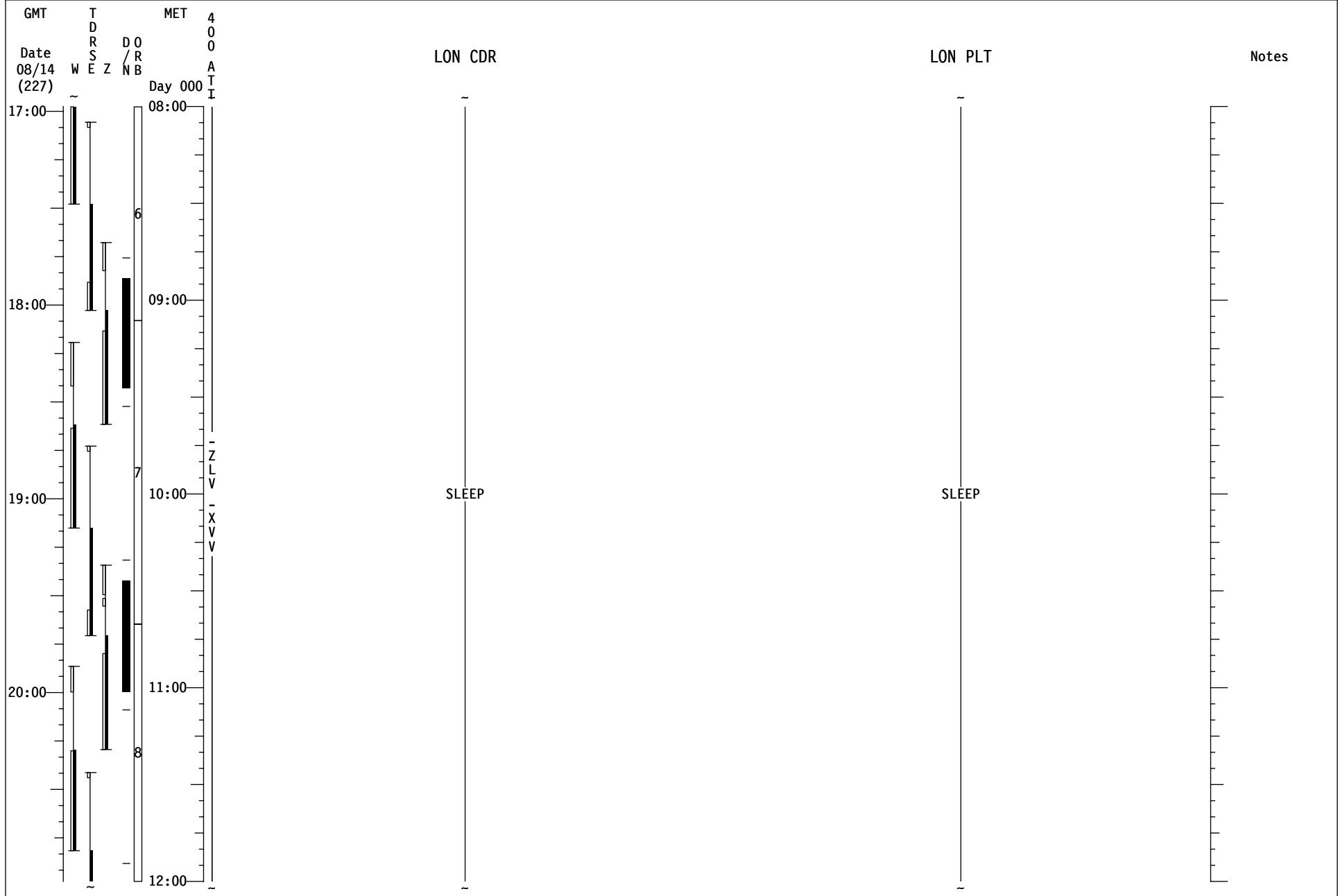
STS-400 (FD01)

GMT	T D R S E Z	MET	4 0 0 A T	LON CDR	LON PLT	Notes
Date 08/14 (227)	W E Z	Day 000				
13:00	~	04:00		MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	RMS PWRUP (PDRS, RMS PWRUP)	
				FUTURE LOADED MNVR (WATER DUMP) TG=2 BV=3 OM=270 A1/AUTO/VERN (16:30) Init TRK	RMS CHECKOUT (PDRS, RMS C/O)	
				PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12 (In Step 12, IMU TBD STBY-ITEM 23 EXEC)		
				UMBILICAL WELL TPS CAMR IMGRY D/L (ORB OPS, PGSC)		
14:00		05:00		AFT CONTROLLER C/O (ORB OPS, GNC)	RMS PLB SURVEY	
				ELEVON PARK (ORB OPS, GNC)	NOTE: END SURVEY AT PRE-CRADLE	
				TISSUE EQUIVALENT PROPORTIONAL COUNTER (TEPC) (ORB OPS, CREW SYSTEMS) Power On	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	
				OCAC SETUP (ORB OPS, CREW SYS)		
				Z L LOAD DAPS V (ORB OPS, DAP TABLE)		
15:00		06:00		X FC PURGE - MANUAL V (ORB OPS, EPS)		
				PRIVATE MEDICAL CONFERENCE	APU FD1 RECONFIGS R2 BLR PWR(three)-OFF A12 APU HTR GG/FU PMP(three)-A AUTO	
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
16:00		07:00				
				SLEEP	SLEEP	
18:00		08:00				

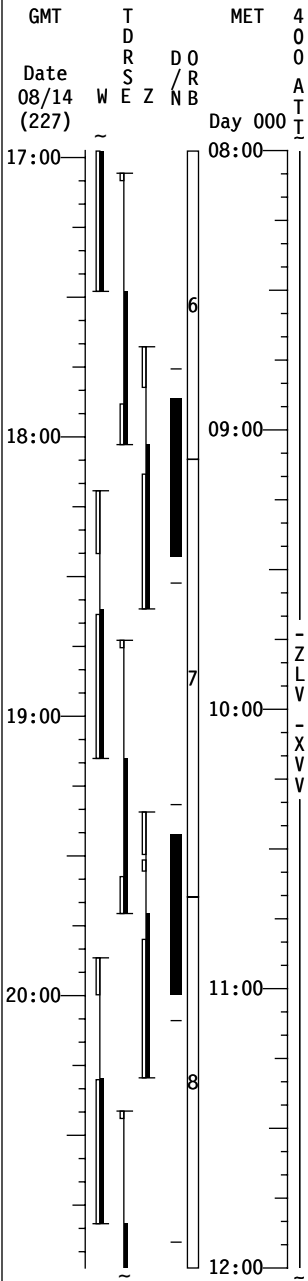
STS-400 (FD 01)



STS-400 (FD01)



STS-400 (FD 01)



LON MS1

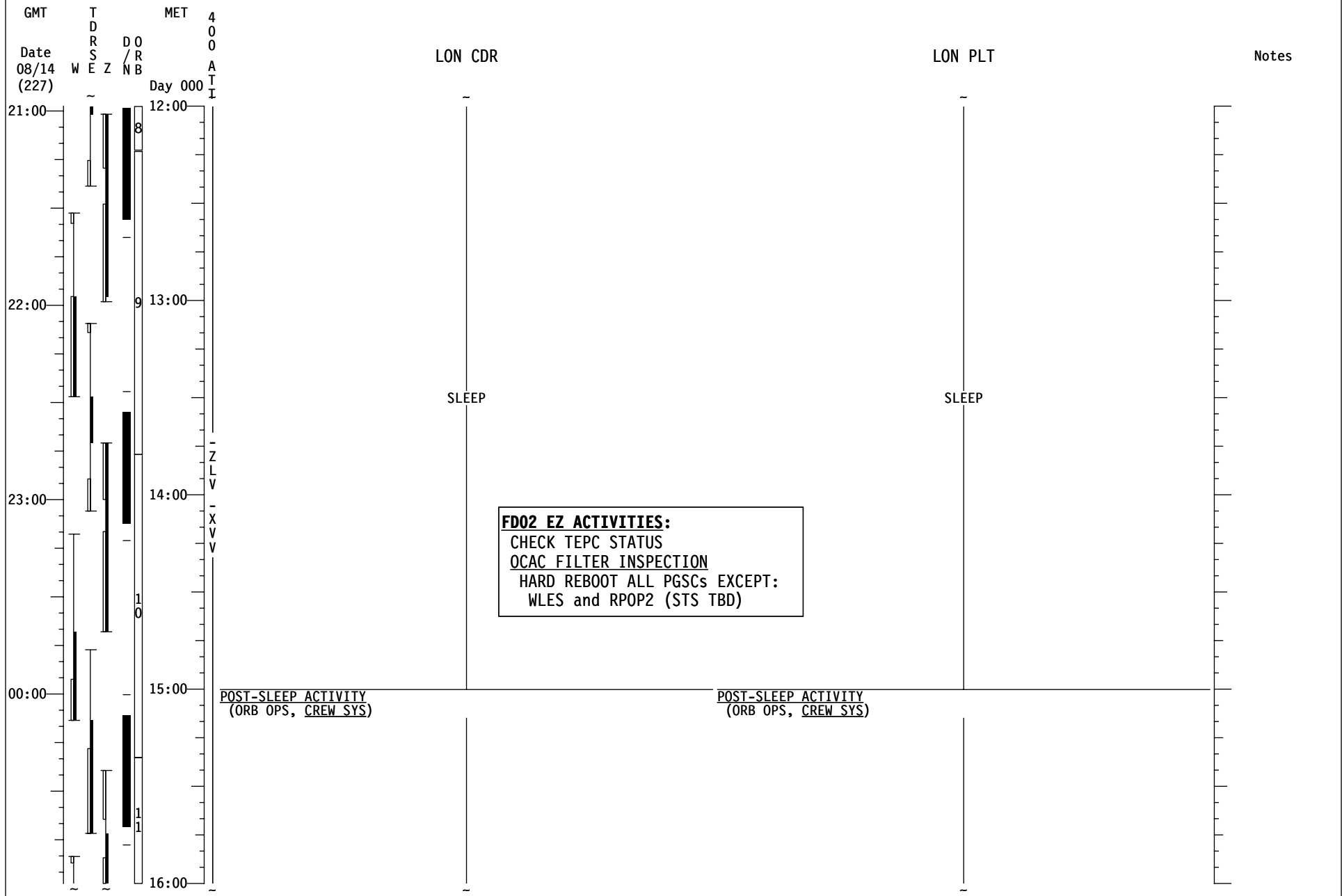
LON MS2

Notes

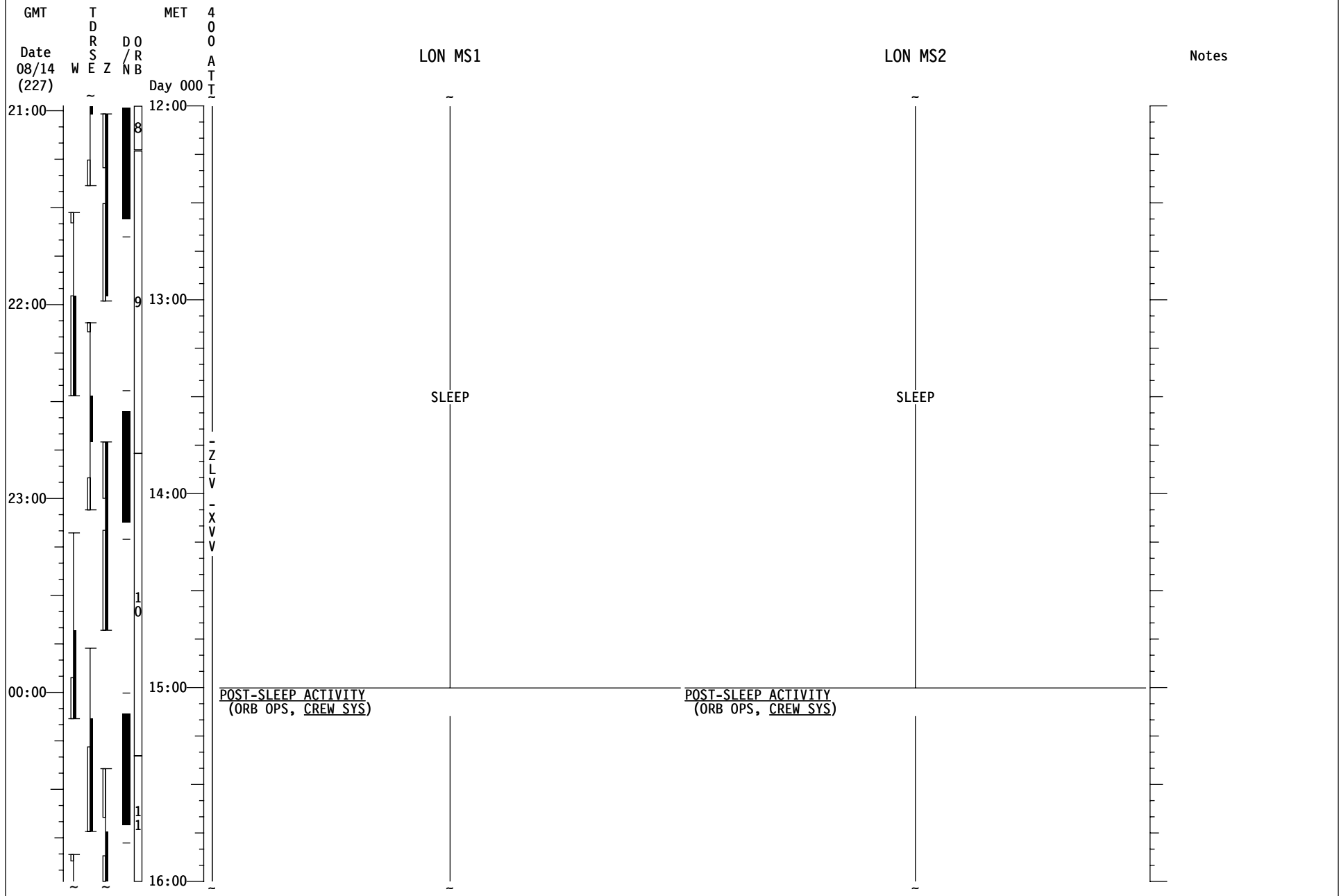
SLEEP

SLEEP

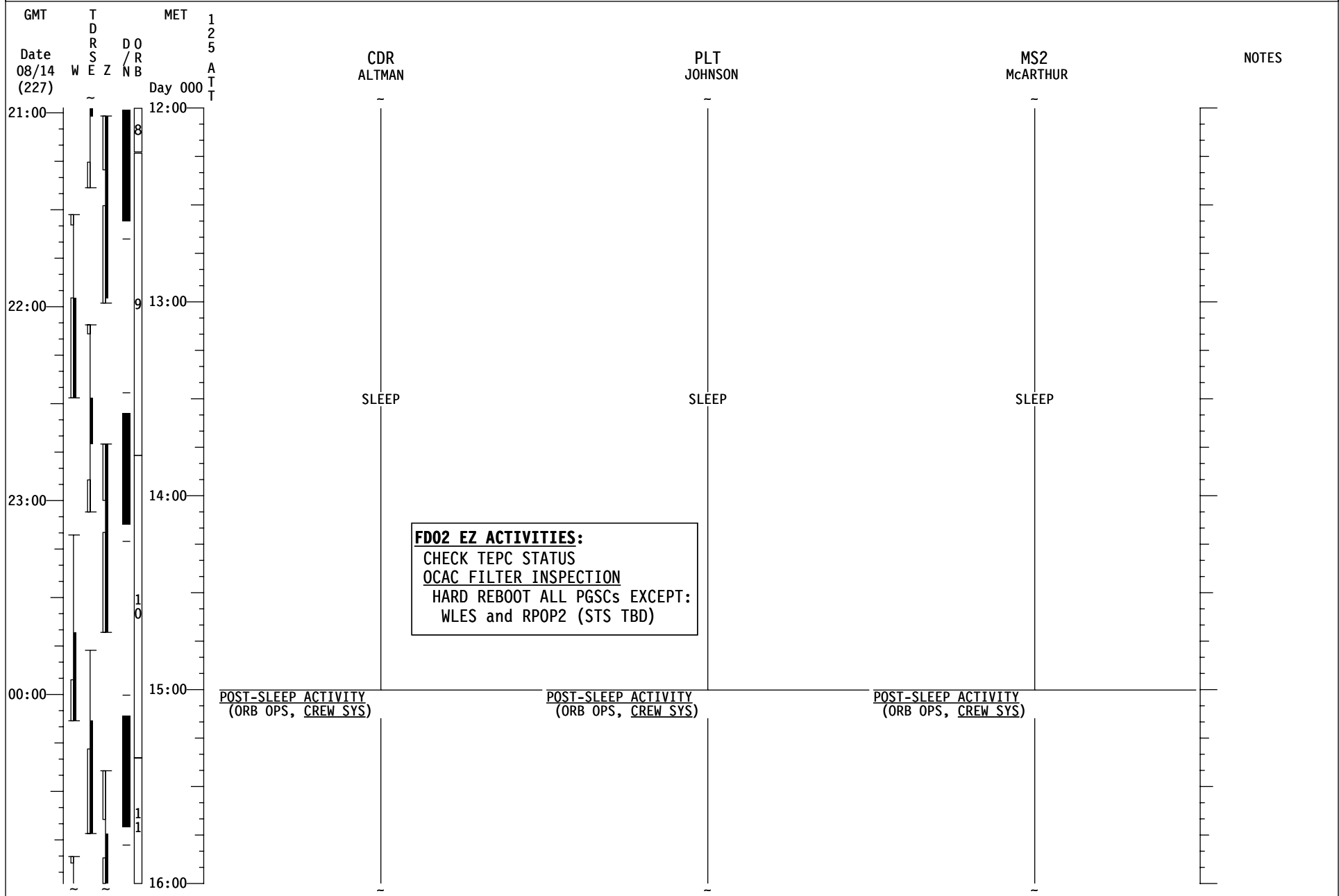
STS-400 (FD02)



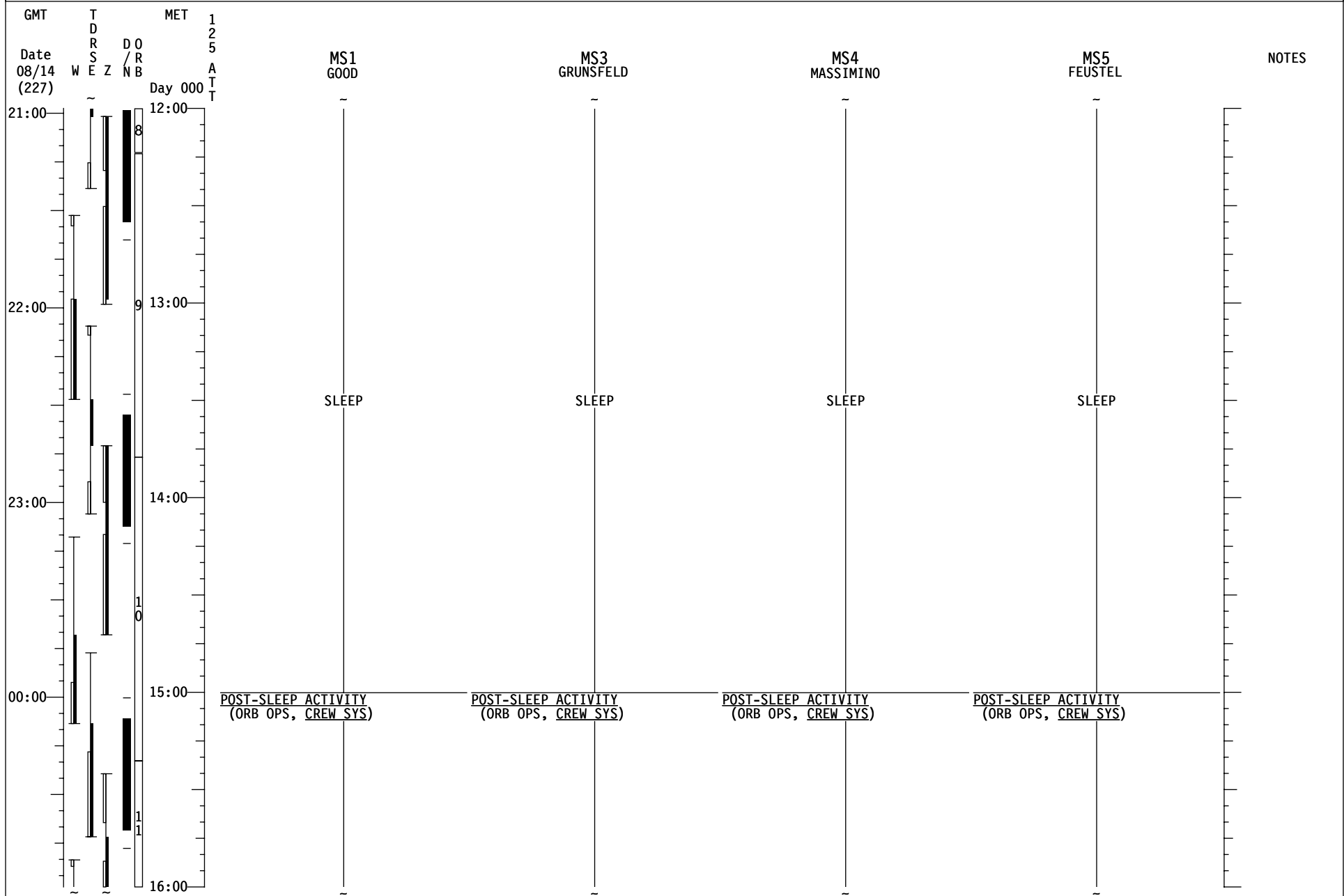
STS-400 (FD02)



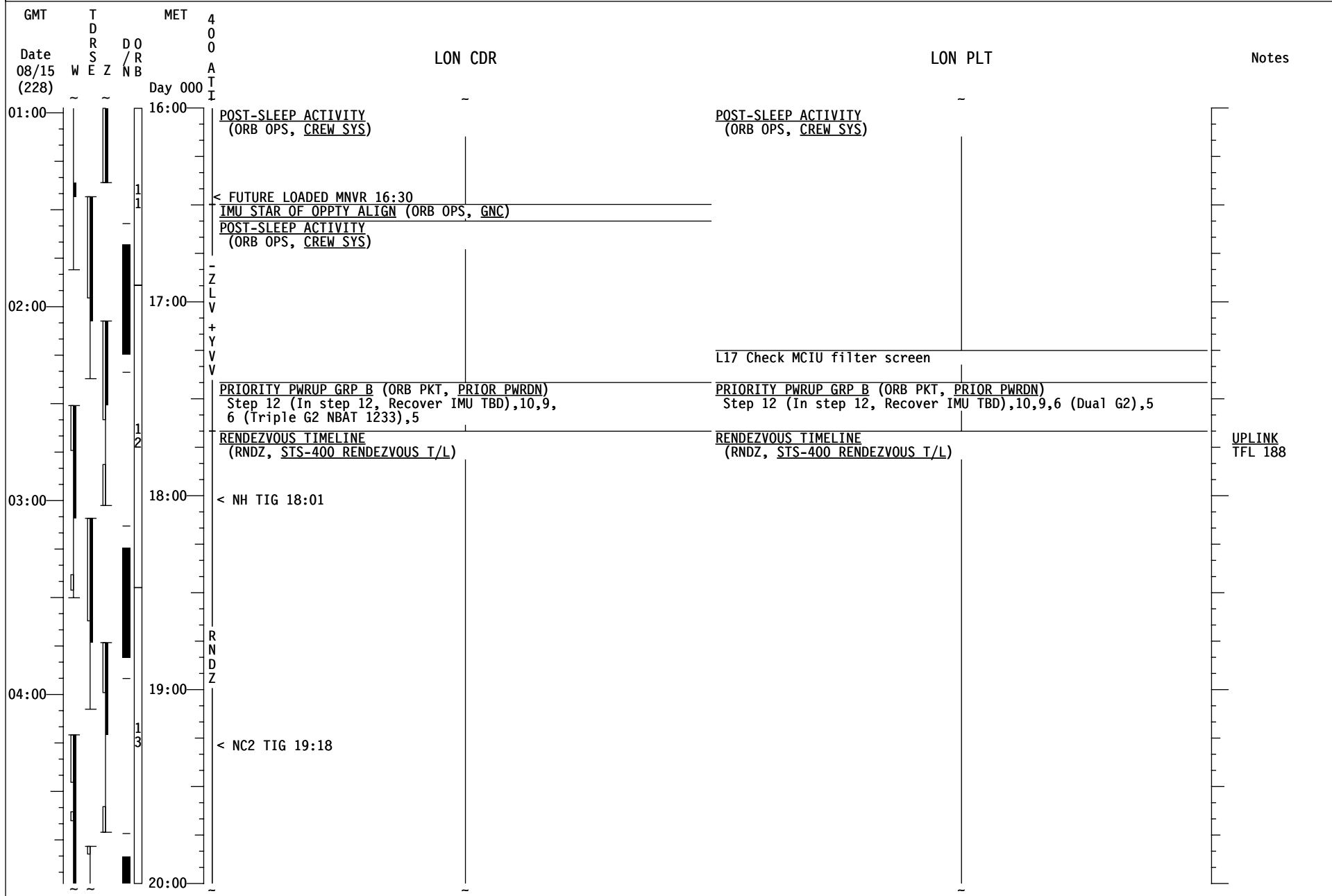
STS-125 (FD02)



STS-125 (FD02)



STS-400 (FD02)



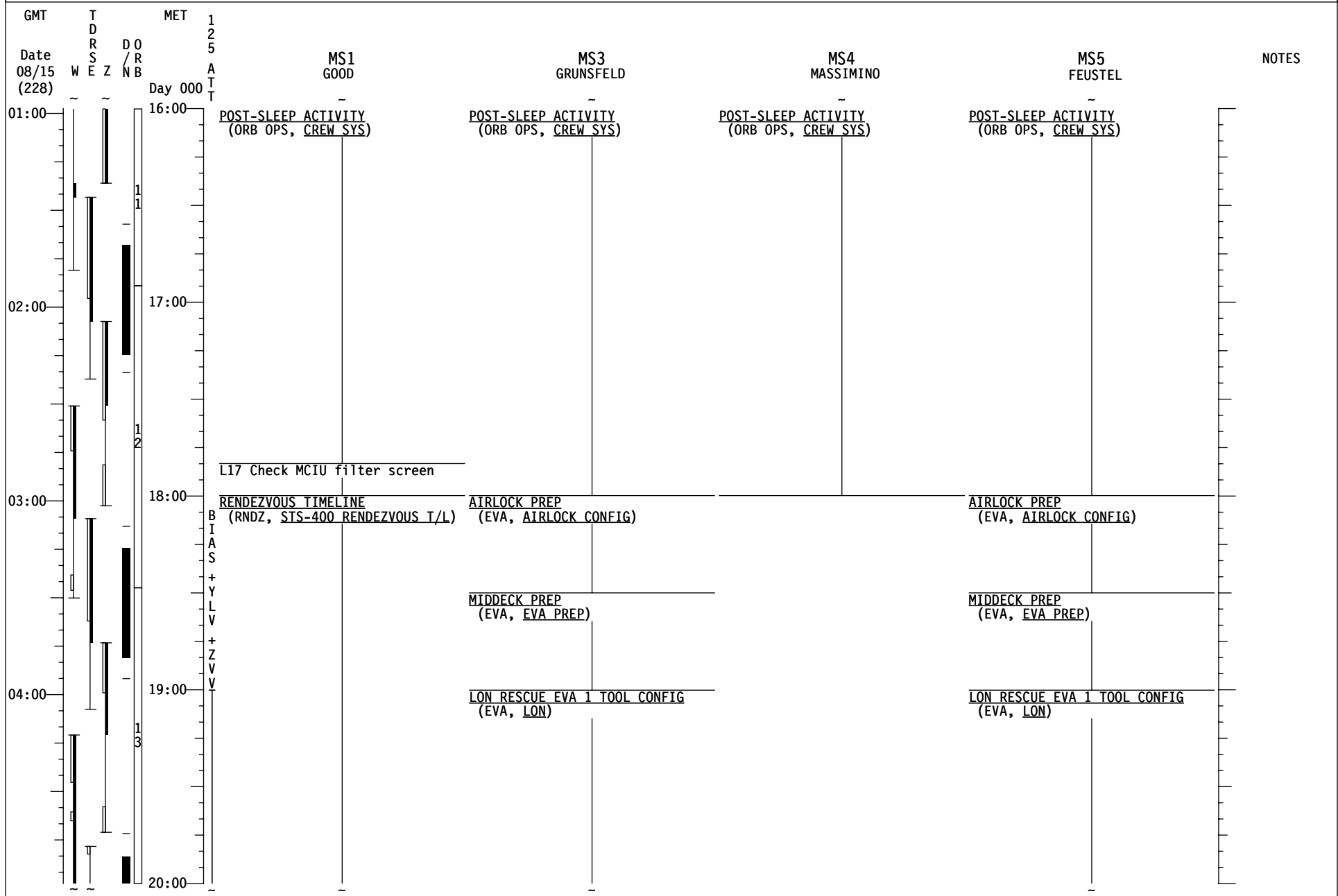
STS-400 (FD02)

GMT	T D R S E Z	MET	4 0 0 A T I	LON MS1	LON MS2	Notes
08/15 (228)	W E Z	Day 000				
01:00		16:00		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump		
02:00		17:00	Z L V + Y V	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	
				SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply/Waste Dump	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
03:00		18:00		C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Setup & Align C/L Camera	C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Setup & Align C/L Camera	
				AIRLOCK PREP (EVA, AIRLOCK CONFIG)	AIRLOCK PREP (EVA, AIRLOCK CONFIG)	
04:00		19:00	R N D Z	RENDEZVOUS TIMELINE (RNDZ, STS-400 RENDEZVOUS I/L)	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 1 EMU	
		20:00				

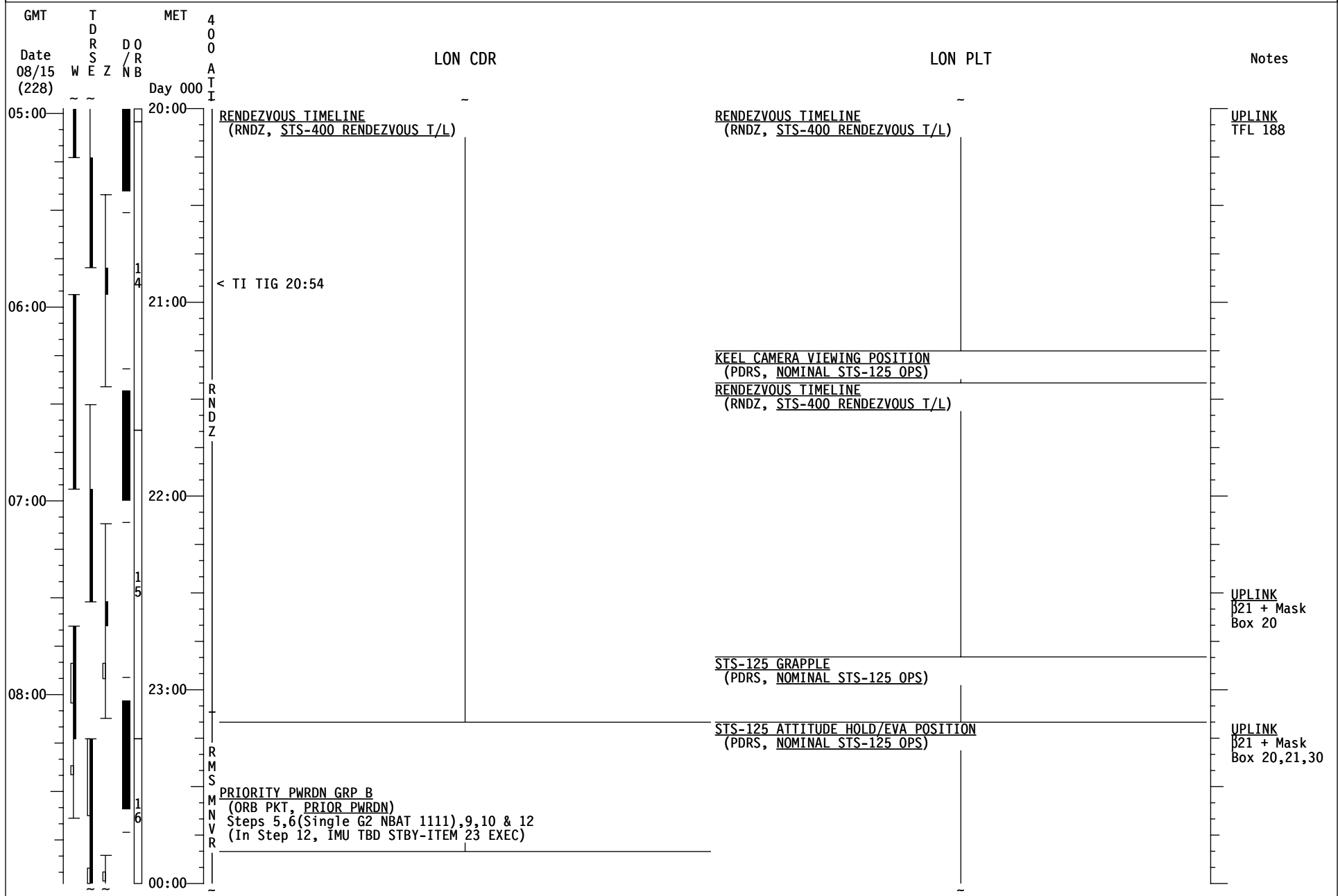
STS-125 (FD02)

GMT	T D R S E Z	MET	1 2 5	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/15 (228)	W E Z	D O R / N B	A T T				
Day 000							
01:00							
				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
02:00							
				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)			
				PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD), 10,9,6 (Dual G2),5	PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD), 10,9,6 (Dual G2 NBAT 1212),5		
				RENDEZVOUS TIMELINE (RNDZ, STS-400 RENDEZVOUS T/L)	RENDEZVOUS TIMELINE (RNDZ, STS-400 RENDEZVOUS T/L)		
03:00							
						MIDDECK PREP (EVA, EVA PREP)	
04:00							
						LON RESCUE EVA 1 TOOL CONFIG (EVA, LON)	
20:00							

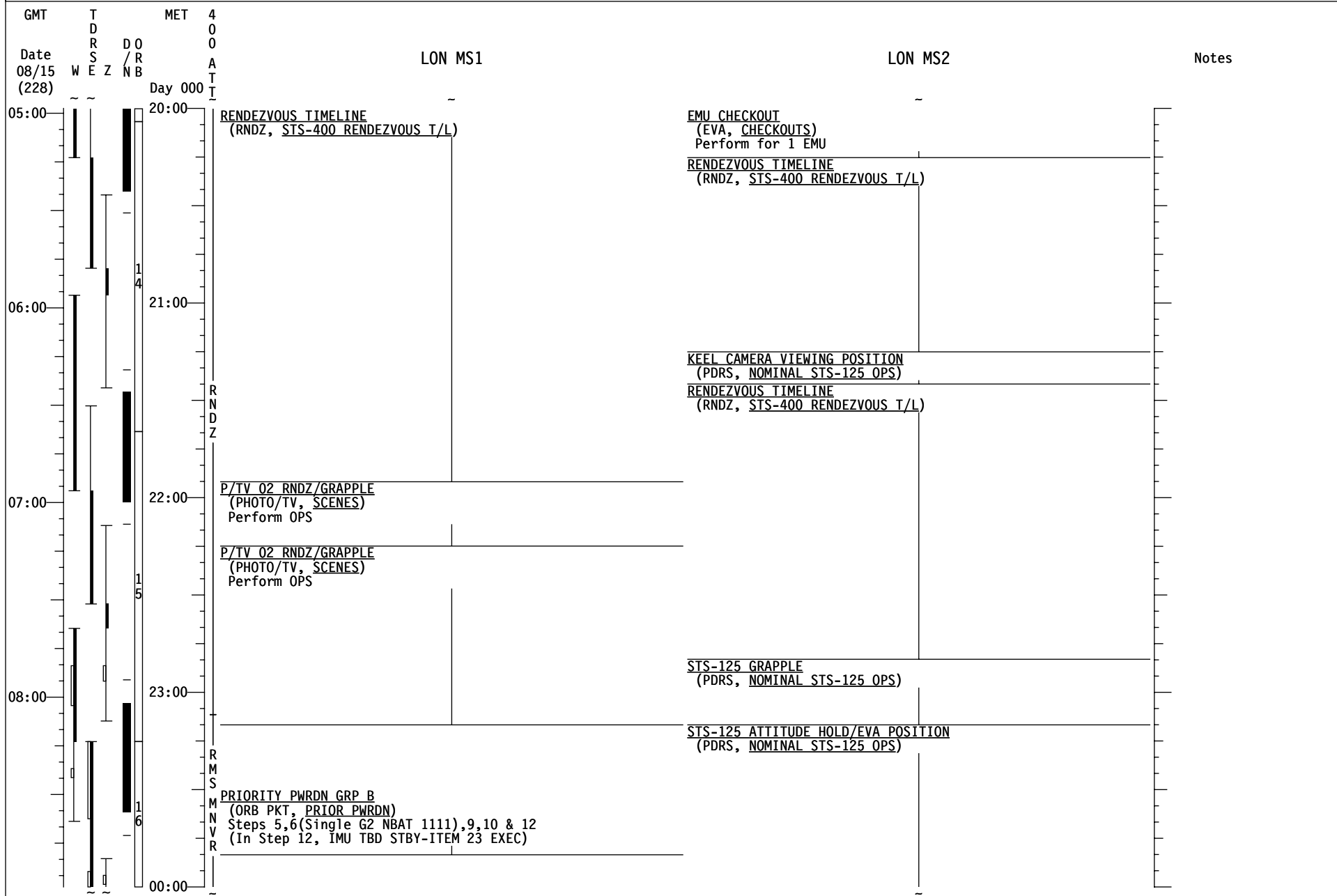
STS-125 (FD02)



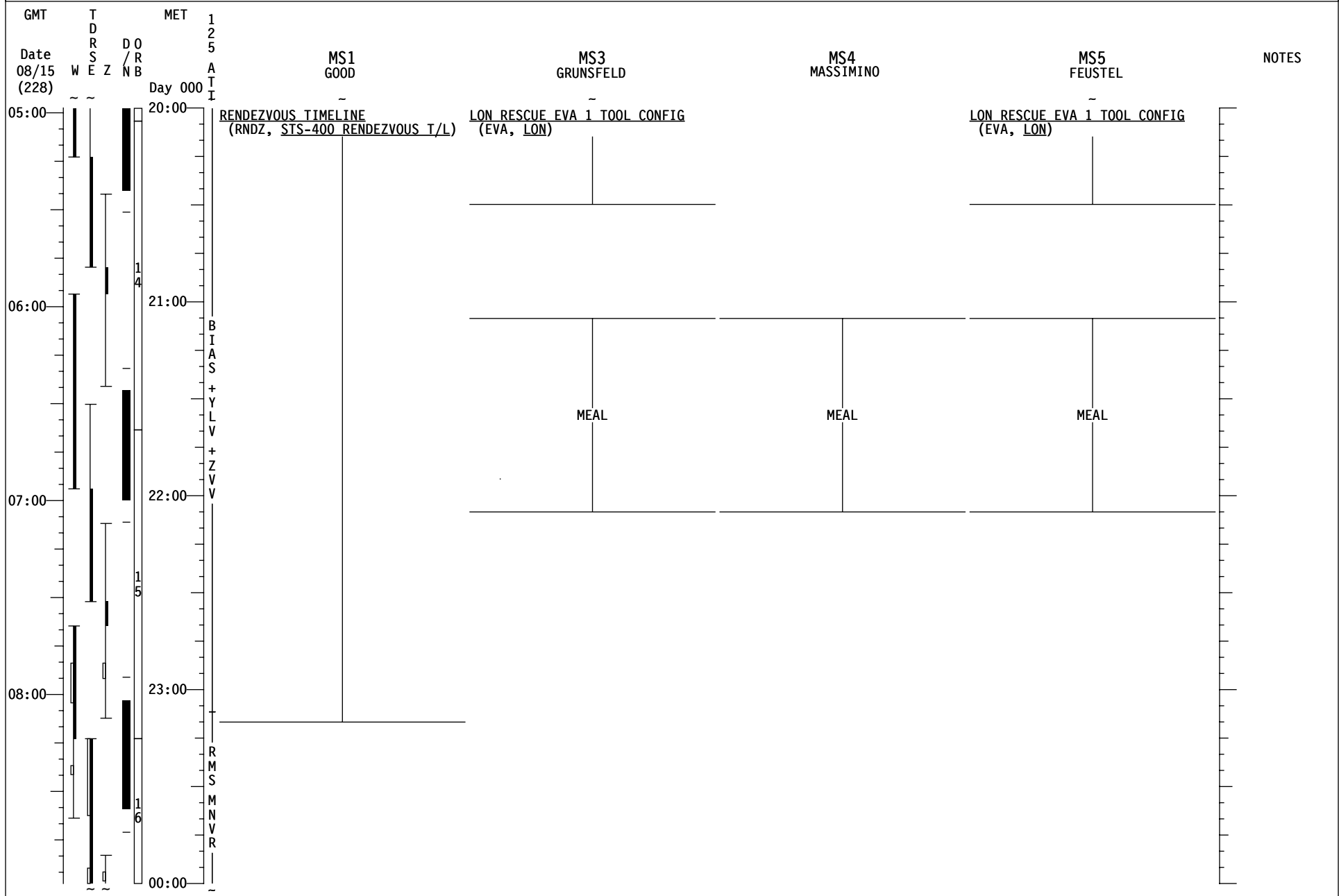
STS-400 (FD02)



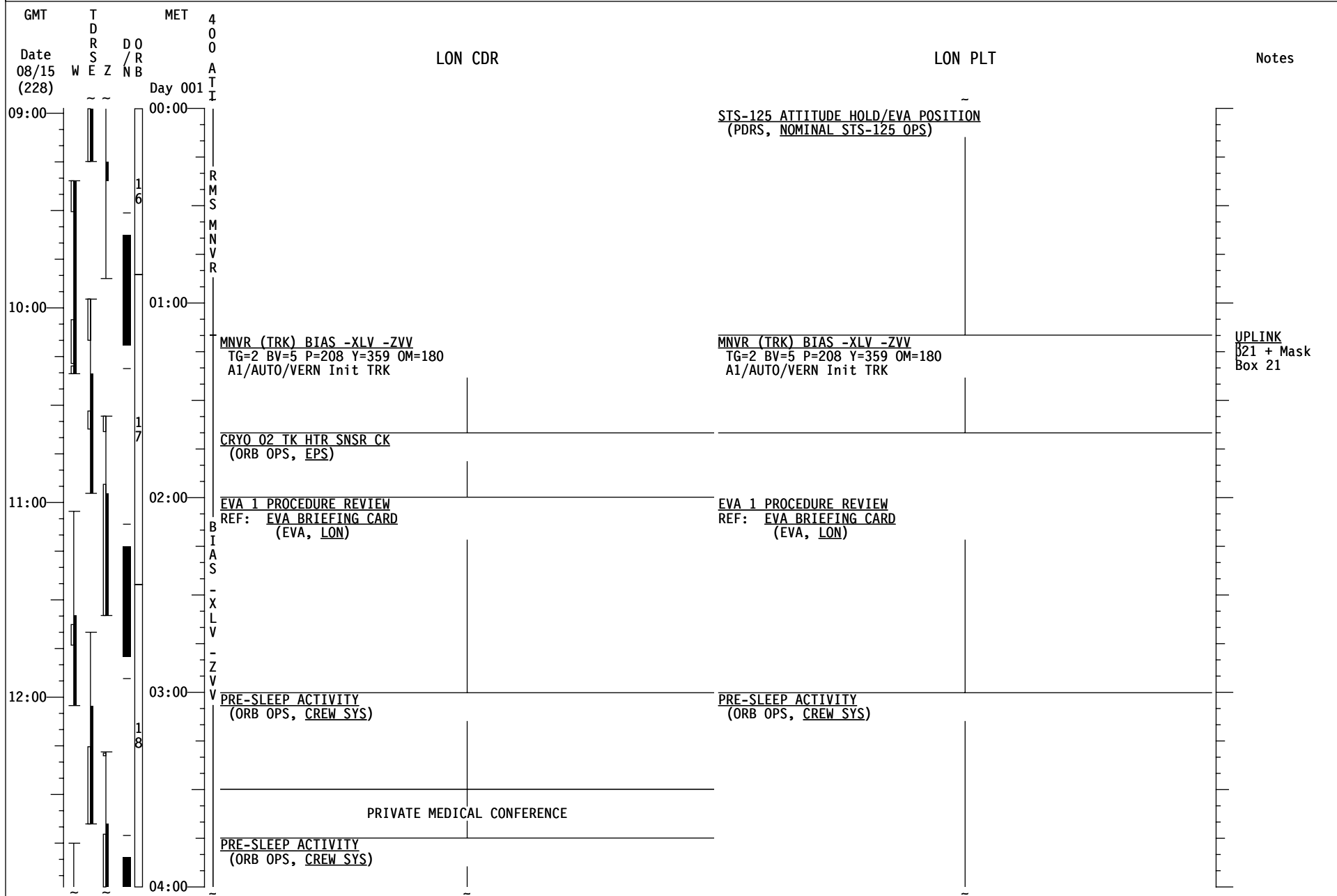
STS-400 (FD 02)



STS-125 (FD02)



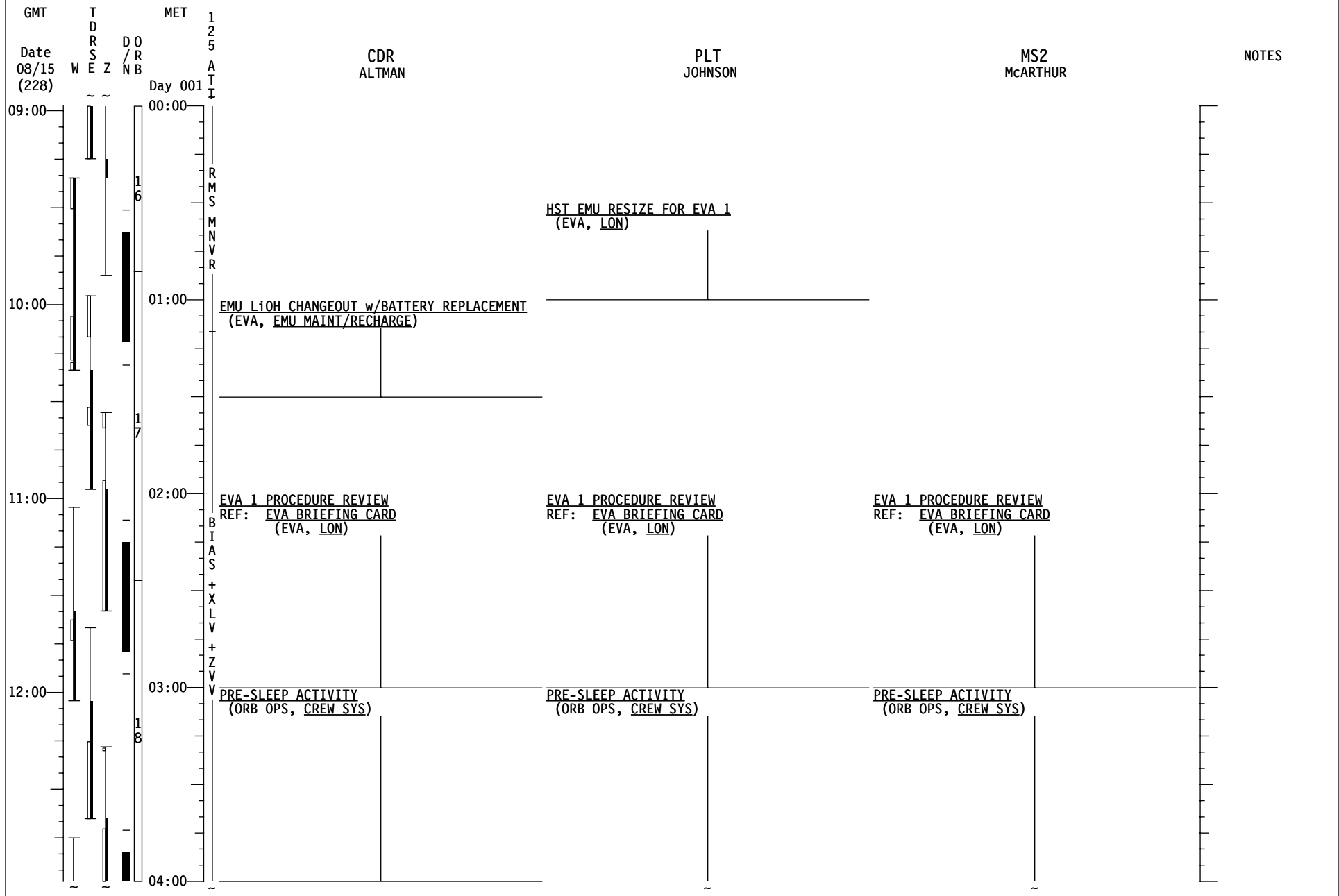
STS-400 (FD02)



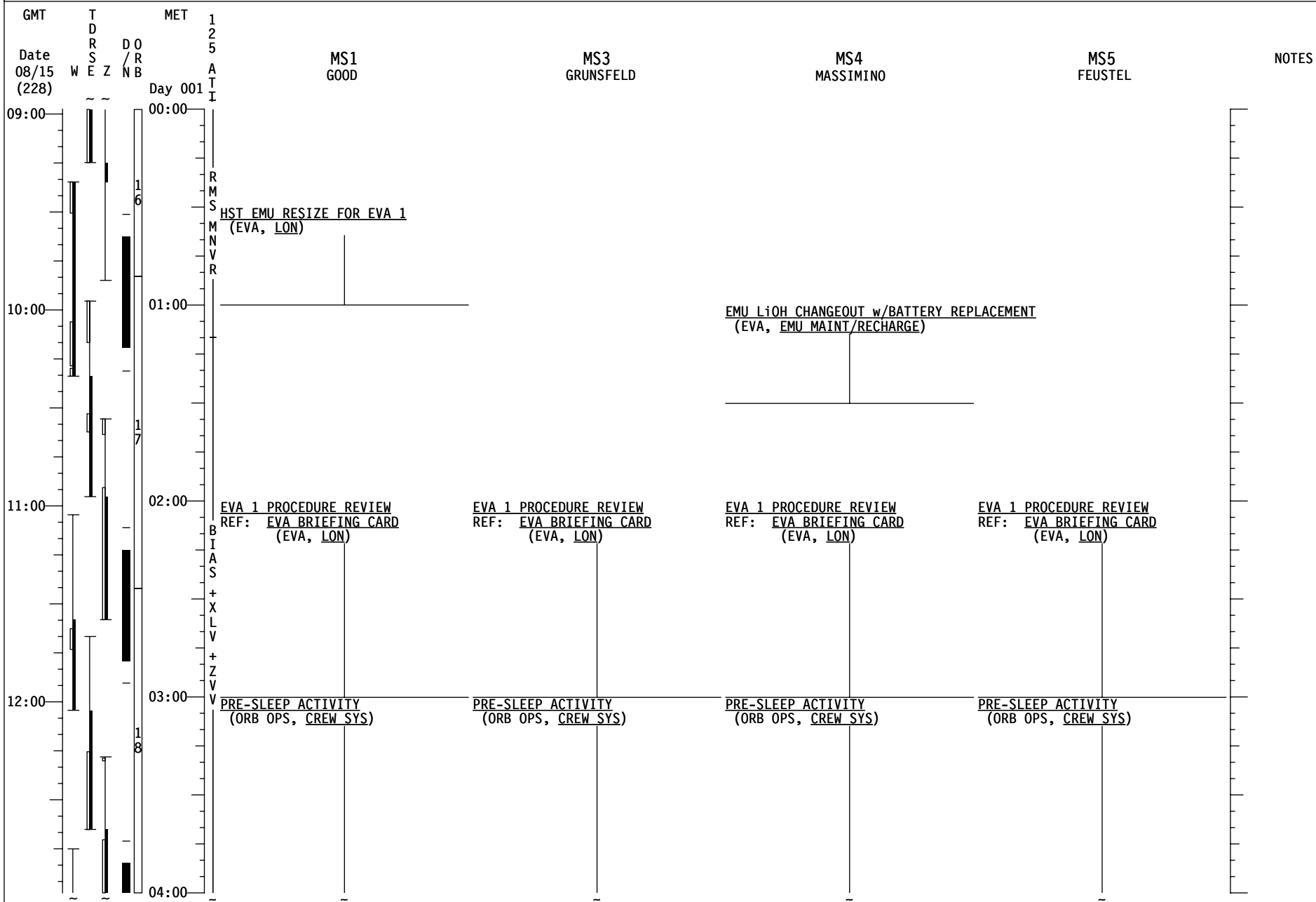
STS-400 (FD02)

GMT	T D R S E Z	MET	4 0 0 A T T	LON MS1	LON MS2	Notes
Date 08/15 (228)	W E Z	Day 001	Day 001			
09:00		00:00		POST RNDZ PGSC CONFIG Configure PGSCs	STS-125 ATTITUDE HOLD/EVA POSITION (PDRS, NOMINAL STS-125 OPS)	
				WLES RNDZ/DEPLOY RECOVERY (ORB OPS, WLES PROC)		
10:00		01:00		SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform SETUP		
				LON RESCUE EVA 1 TOOL CONFIG (EVA, LON)	LON RESCUE EVA 1 TOOL CONFIG (EVA, LON)	
11:00		02:00		EVA 1 PROCEDURE REVIEW REF: EVA BRIEFING CARD (EVA, LON)	EVA 1 PROCEDURE REVIEW REF: EVA BRIEFING CARD (EVA, LON)	
12:00		03:00		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		04:00				

STS-125 (FD02)



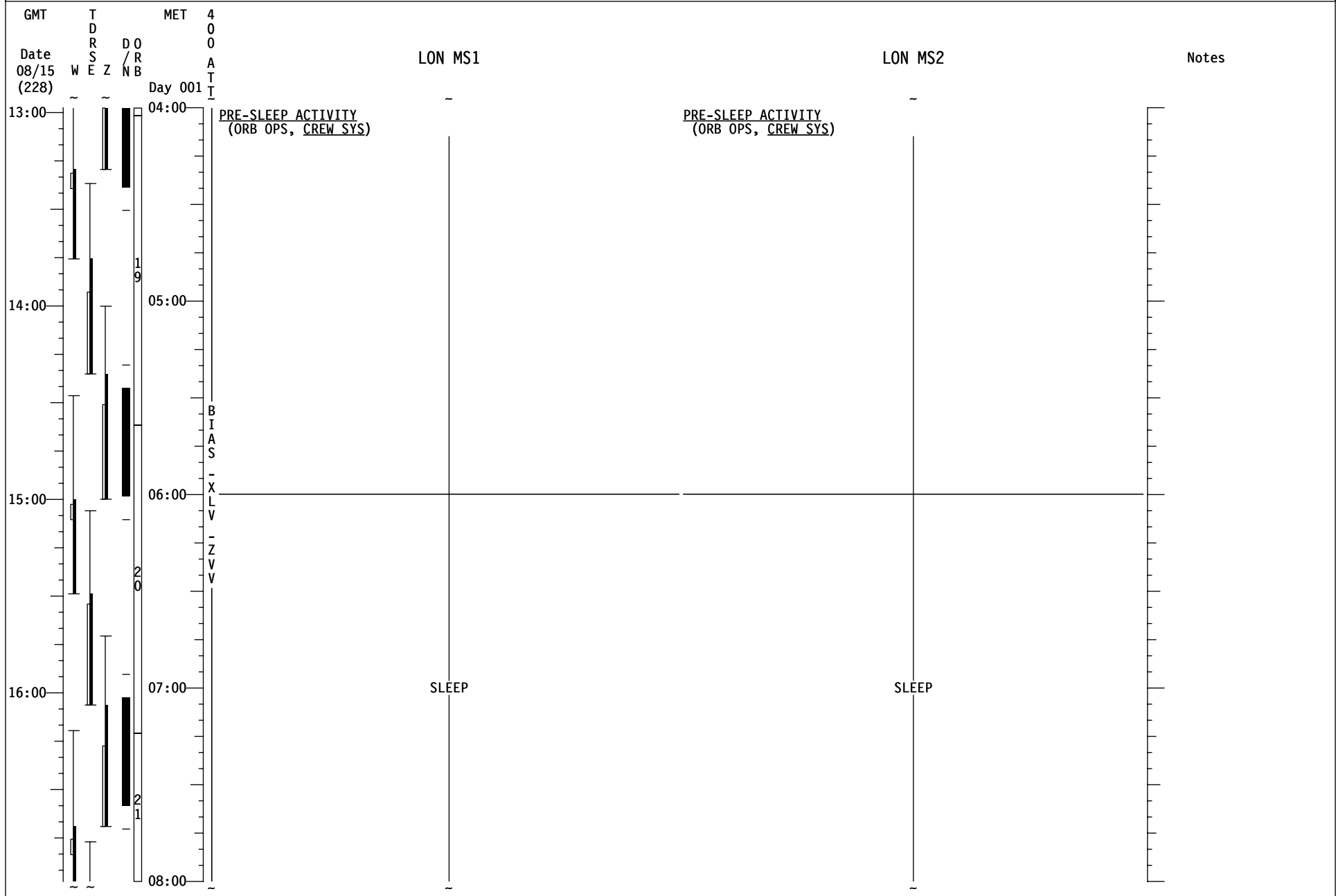
STS-125 (FD02)



STS-400 (FD02)



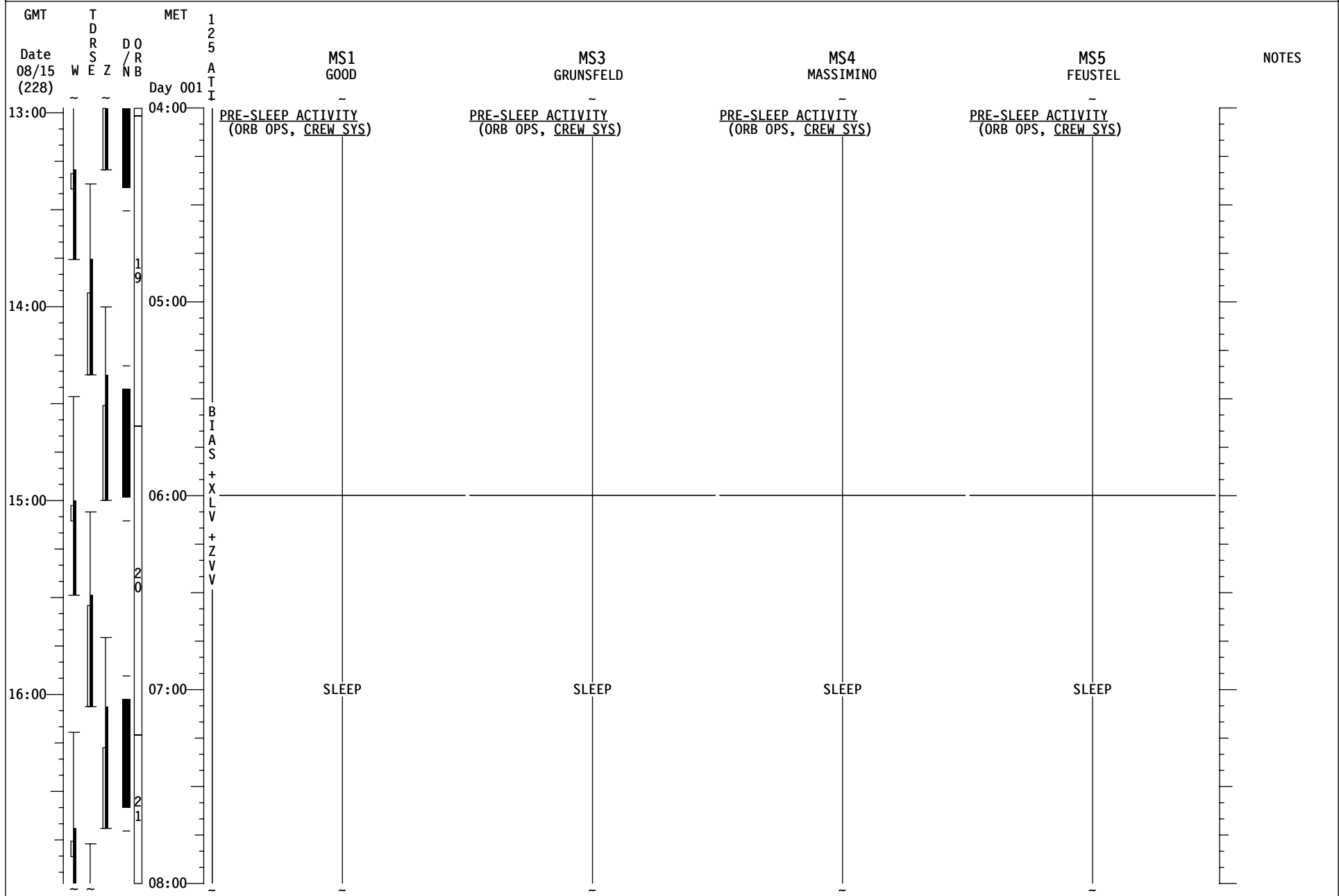
STS-400 (FD02)



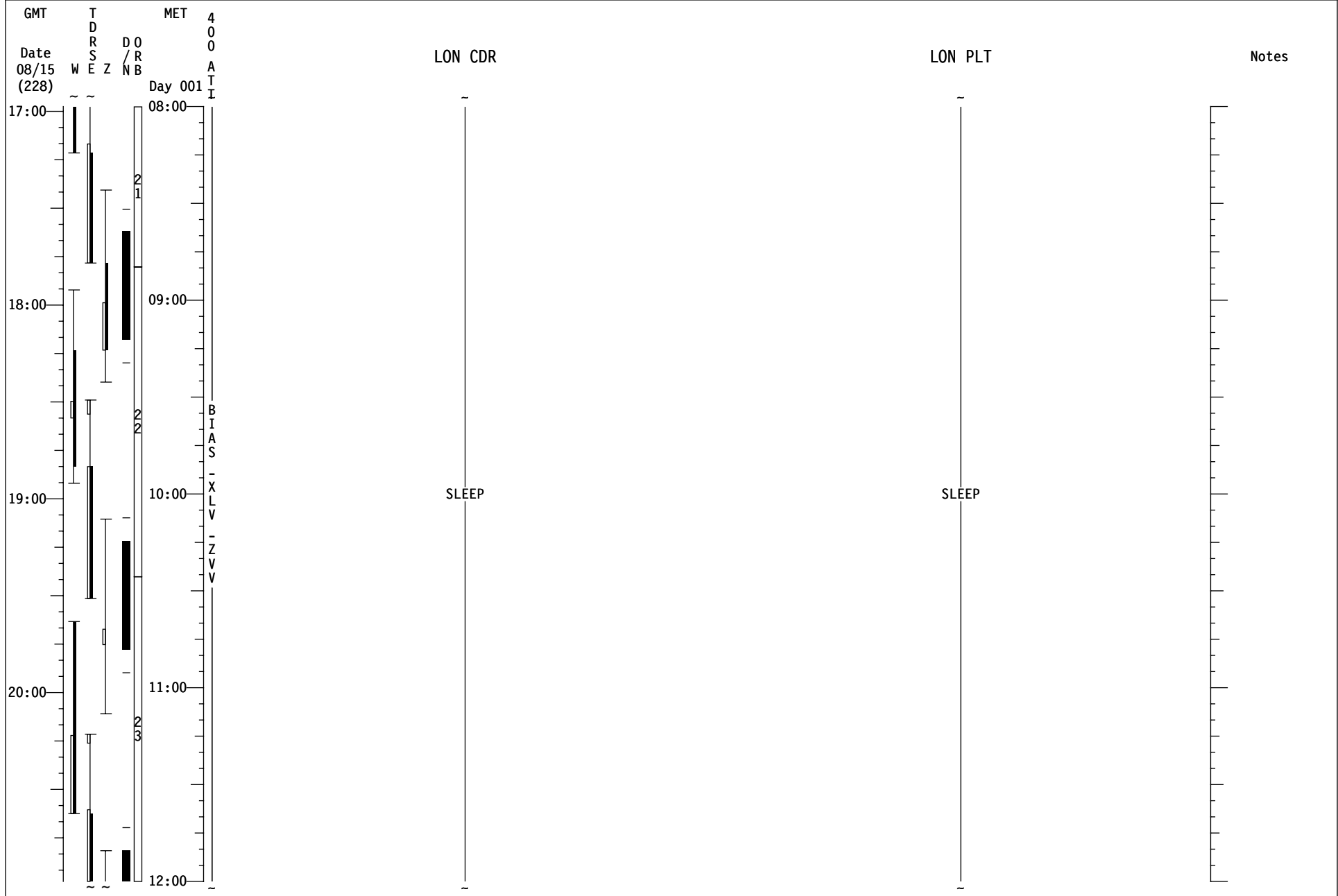
STS-125 (FD02)

GMT	T D R S E Z	MET	1 2 5 A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/15 (228)	W E Z	Day 001					
13:00		04:00		PRIVATE MEDICAL CONFERENCE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)			
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
14:00		05:00					
15:00		06:00					
16:00		07:00		SLEEP	SLEEP	SLEEP	
		08:00					

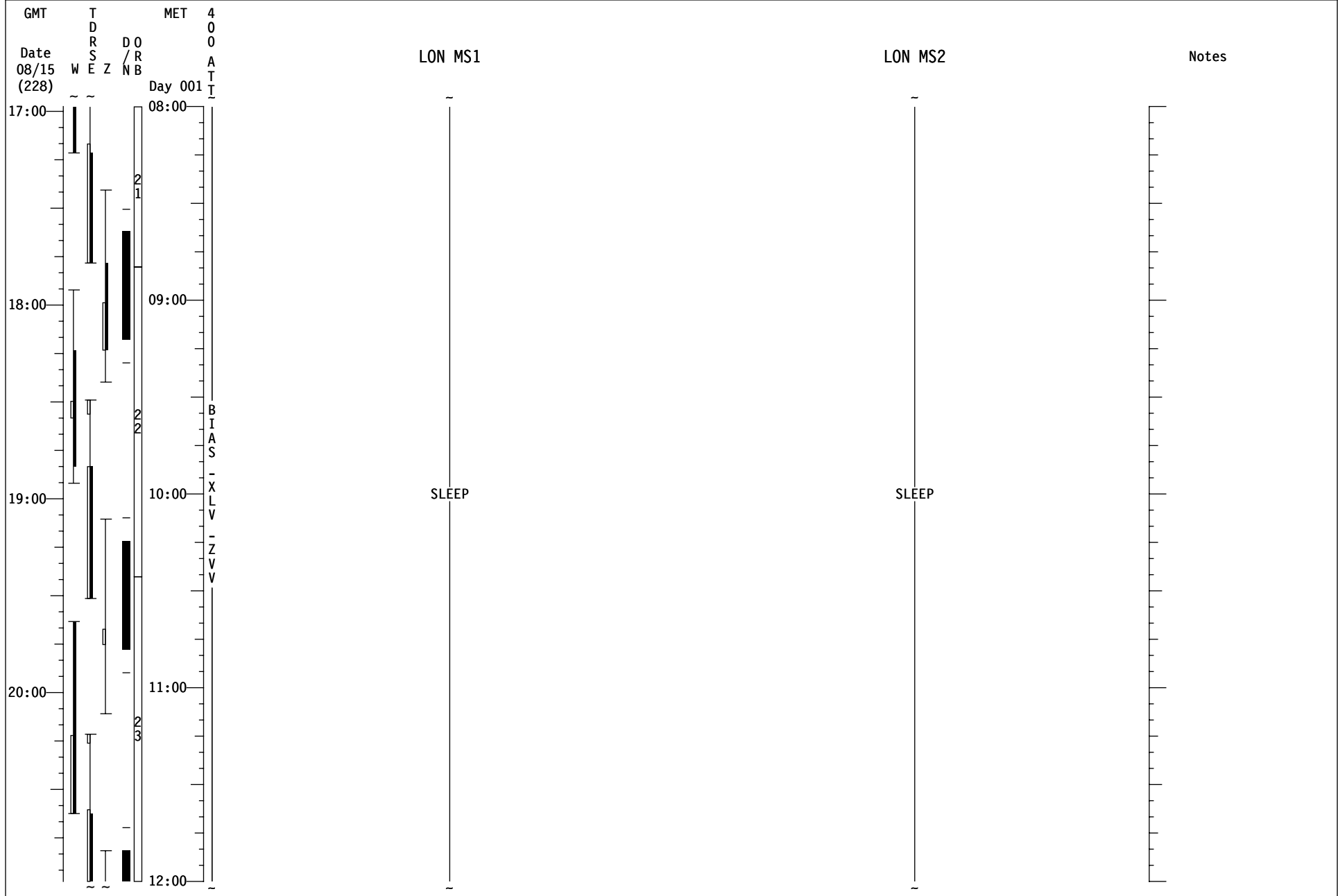
STS-125 (FD02)



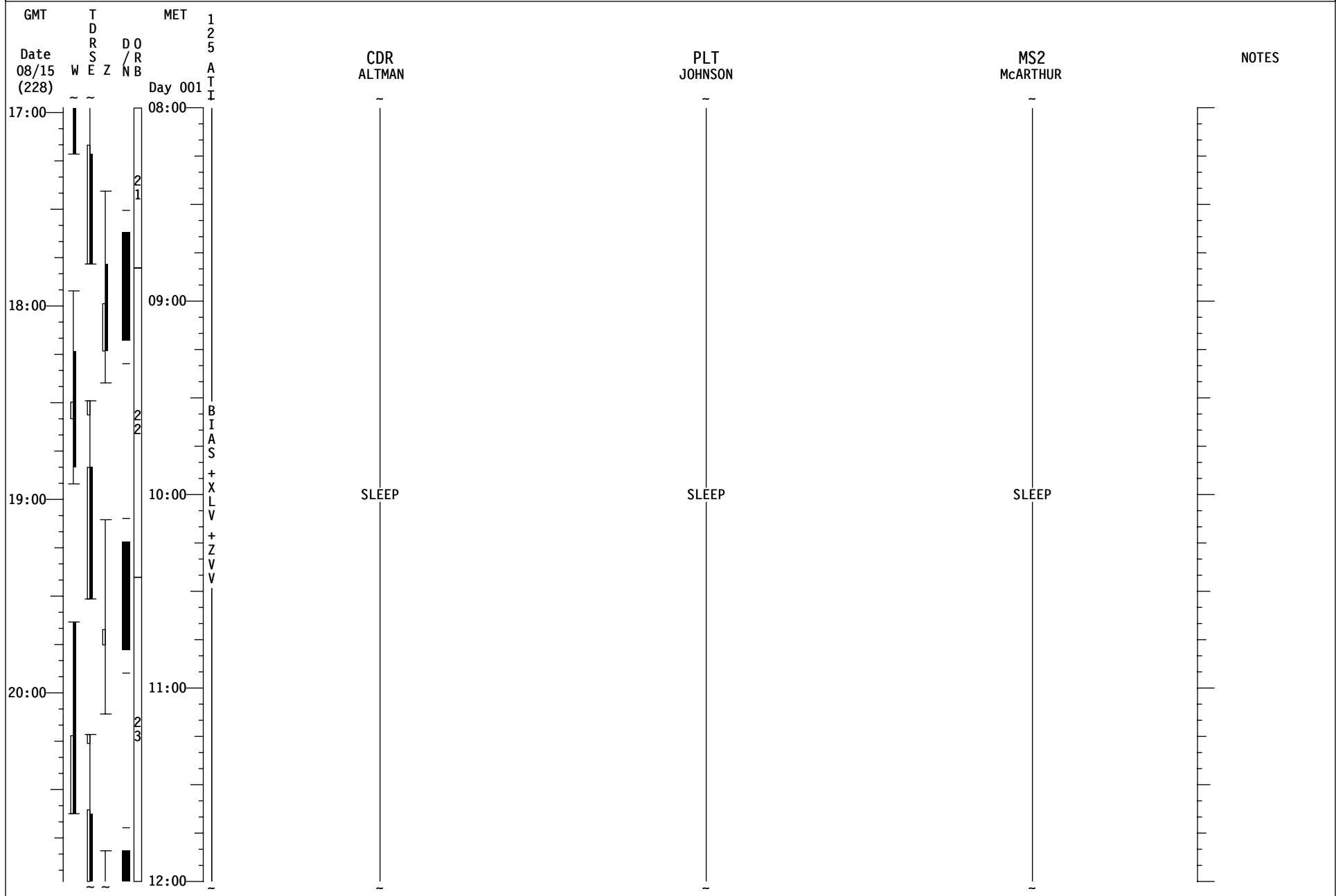
STS-400 (FD02)



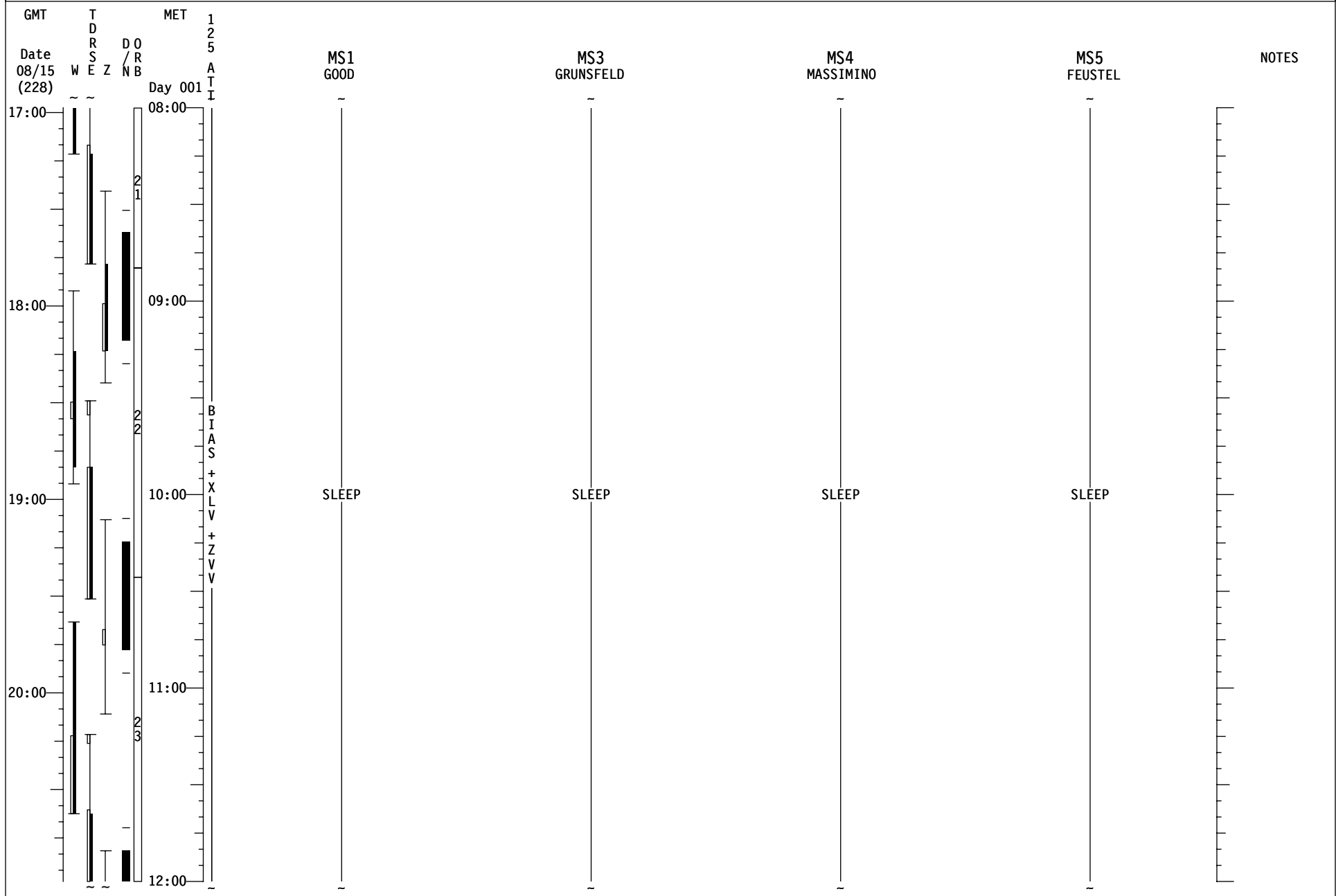
STS-400 (FD02)



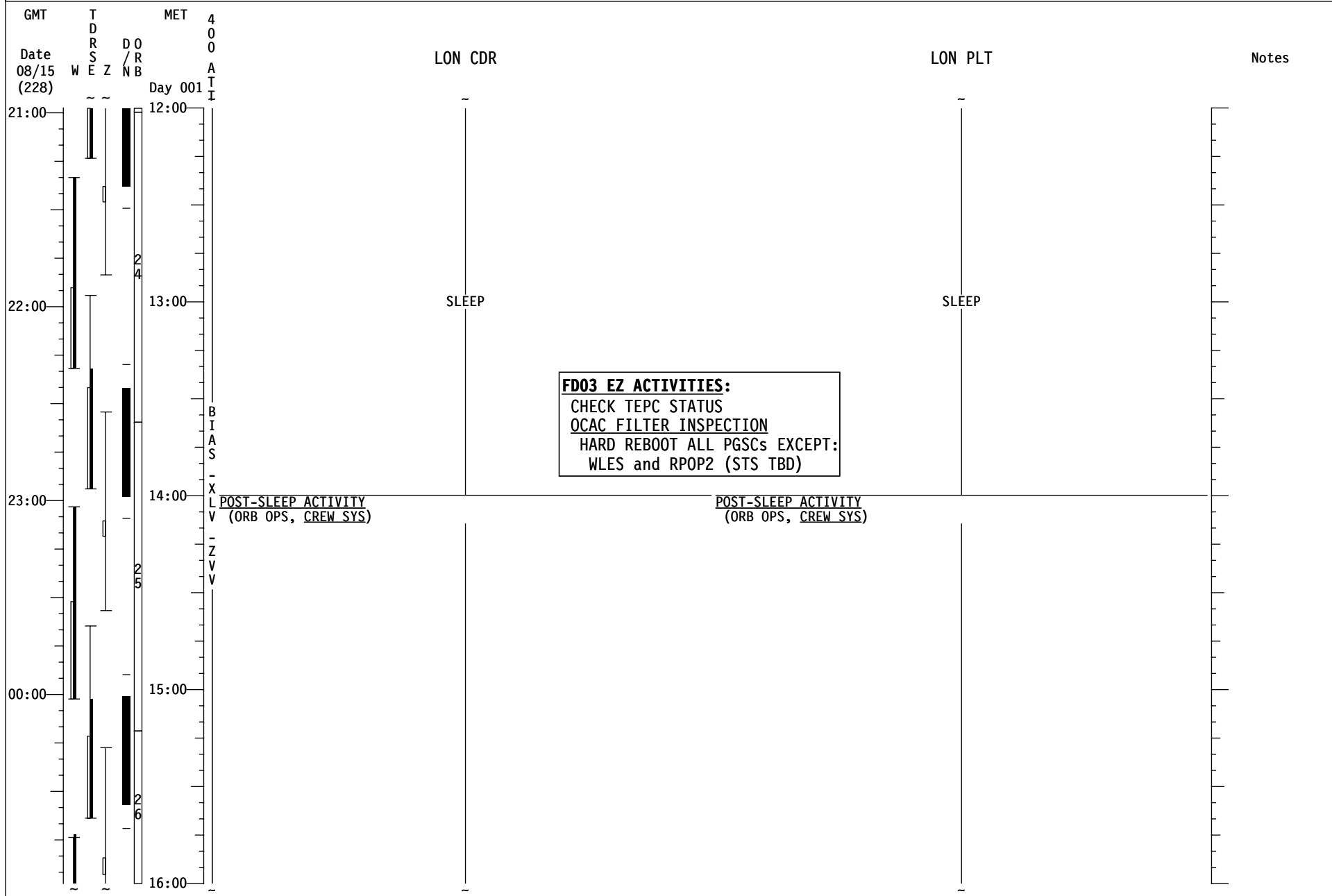
STS-125 (FD02)



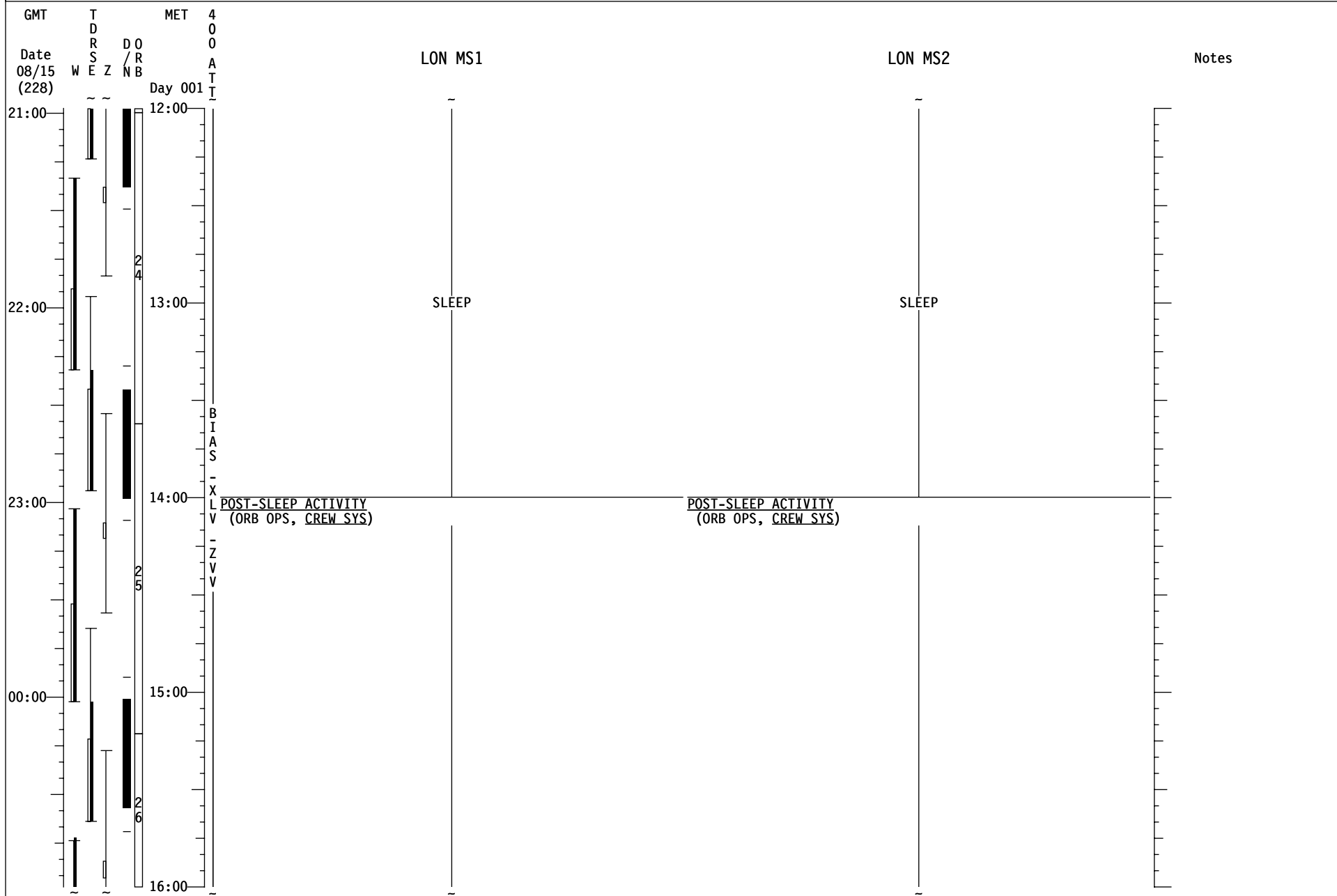
STS-125 (FD02)



STS-400 (FD03)



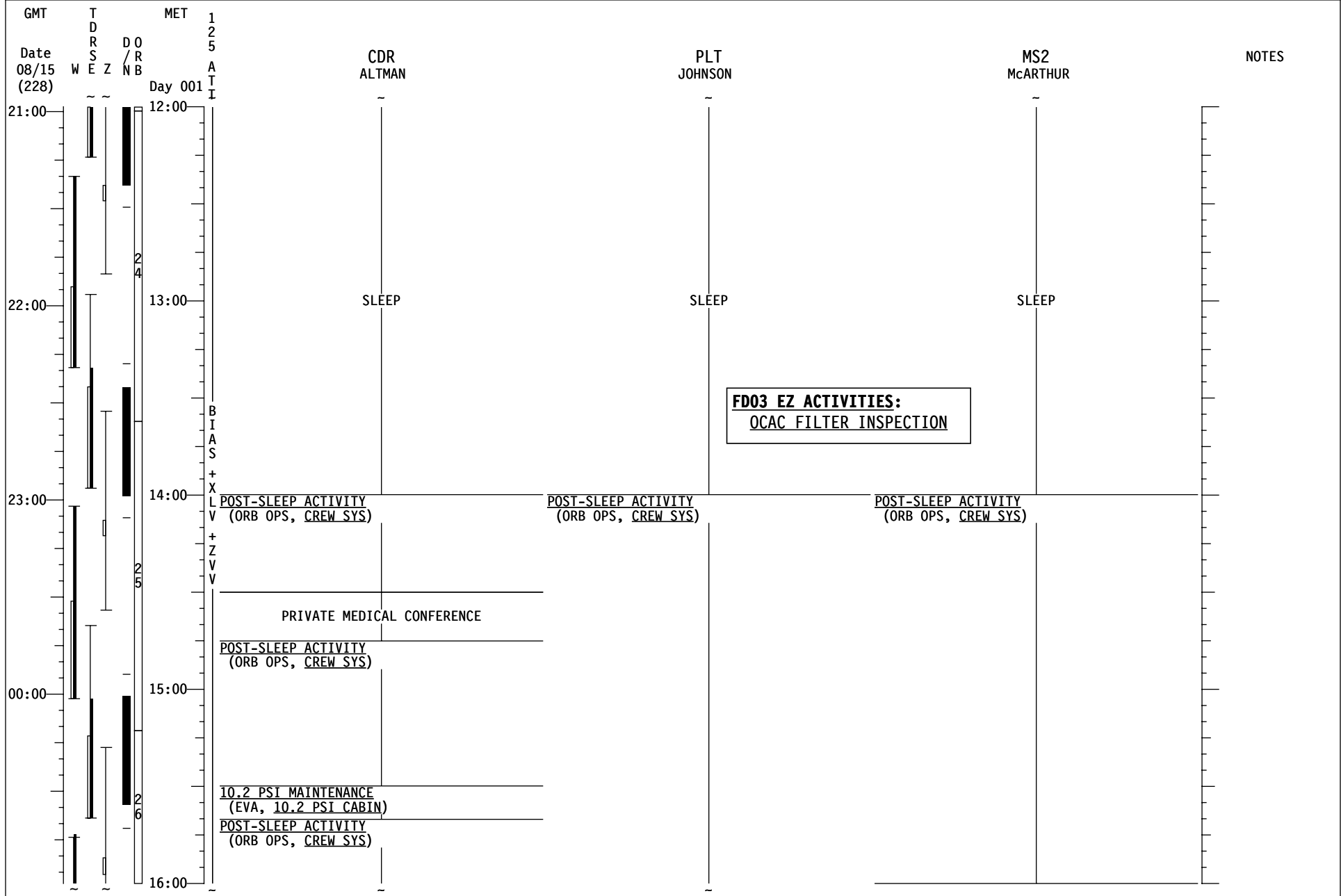
STS-400 (FD03)



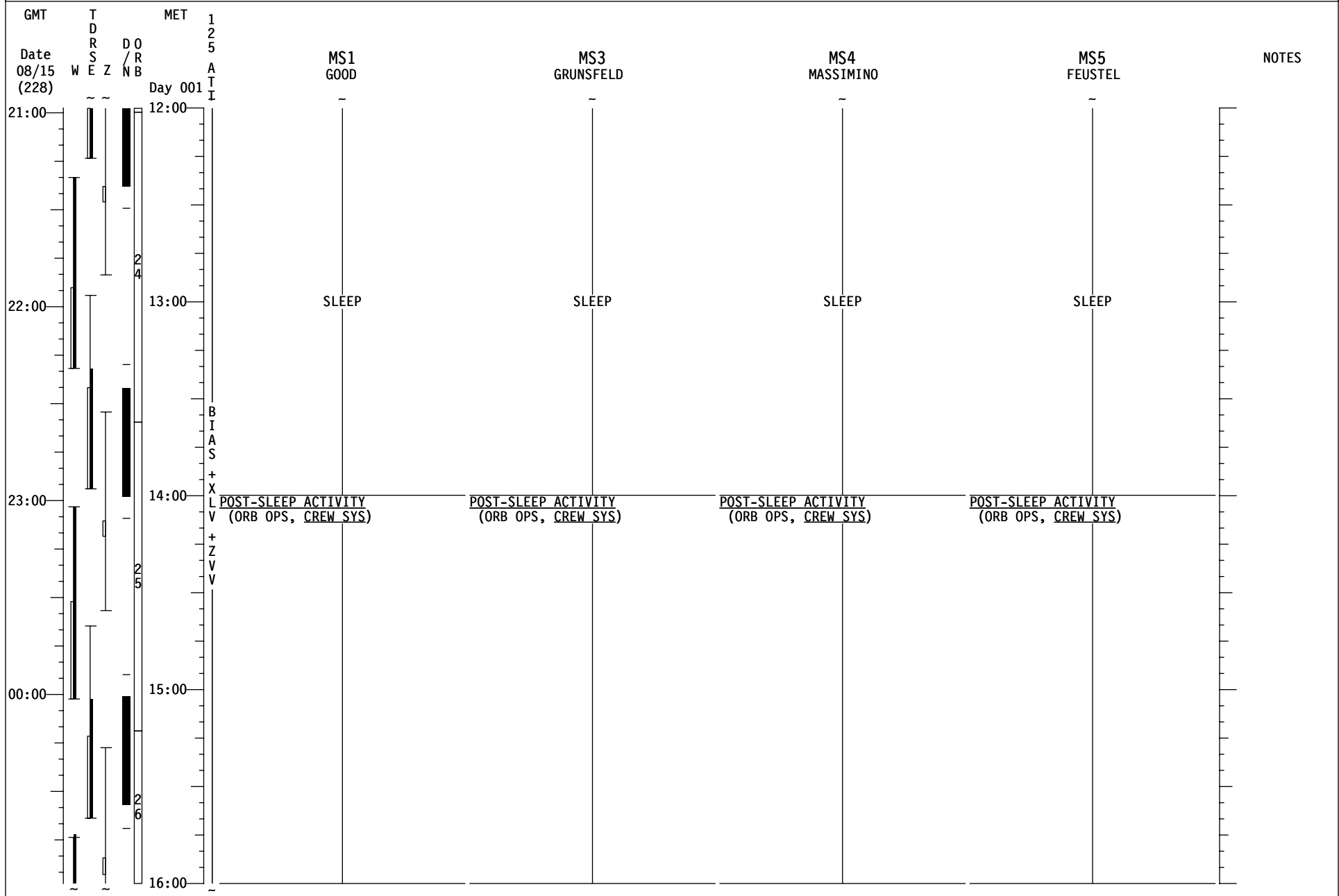
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-125 (FD03)



STS-125 (FD03)

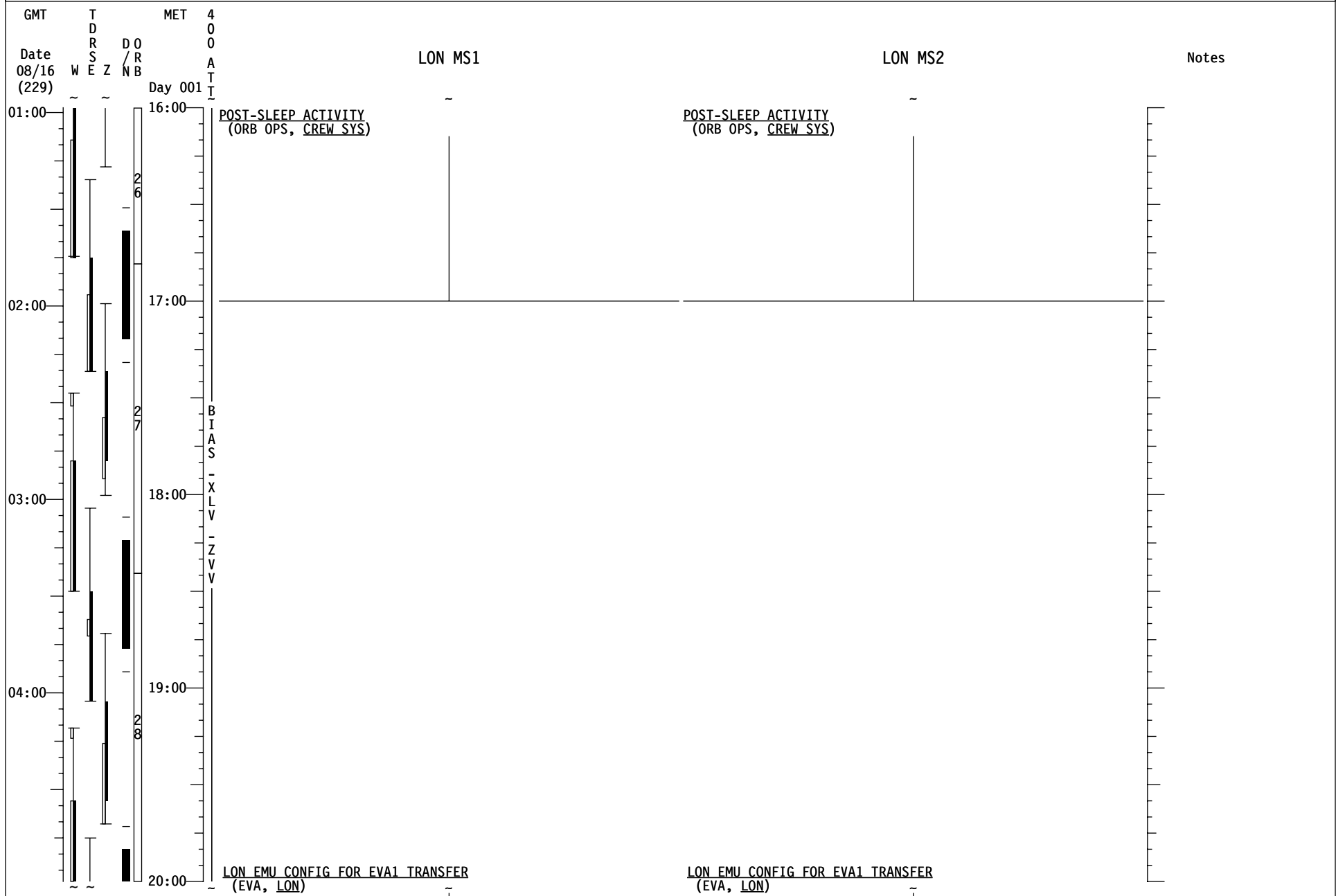


STS-400 (FD03)

GMT	TDRS W E Z	MET Day 001	400 A T I	LON CDR	LON PLT	Notes
01:00						
				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)		
				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
02:00				LON EVA INHIBIT PAD (EVA, LON)	L17 Check MCIU filter screen	
				PREP FOR 10.2 PSI CABIN (EVA, 10.2 PSI CABIN)	PREP FOR 10.2 PSI CABIN (EVA, 10.2 PSI CABIN)	
				CABIN DEPRESS TO 10.2 PSI (EVA, 10.2 PSI CABIN)	CABIN DEPRESS TO 10.2 PSI (EVA, 10.2 PSI CABIN)	
03:00				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)	10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)	
					P/TV04 VIDEO SETUP (PHOTO/TV, SCENES) Perform Setup	
04:00					P/TV 04 EVA (PHOTO/TV, SCENES) Perform OPS	
20:00						

UPLINK
80 Only
Box 21,31

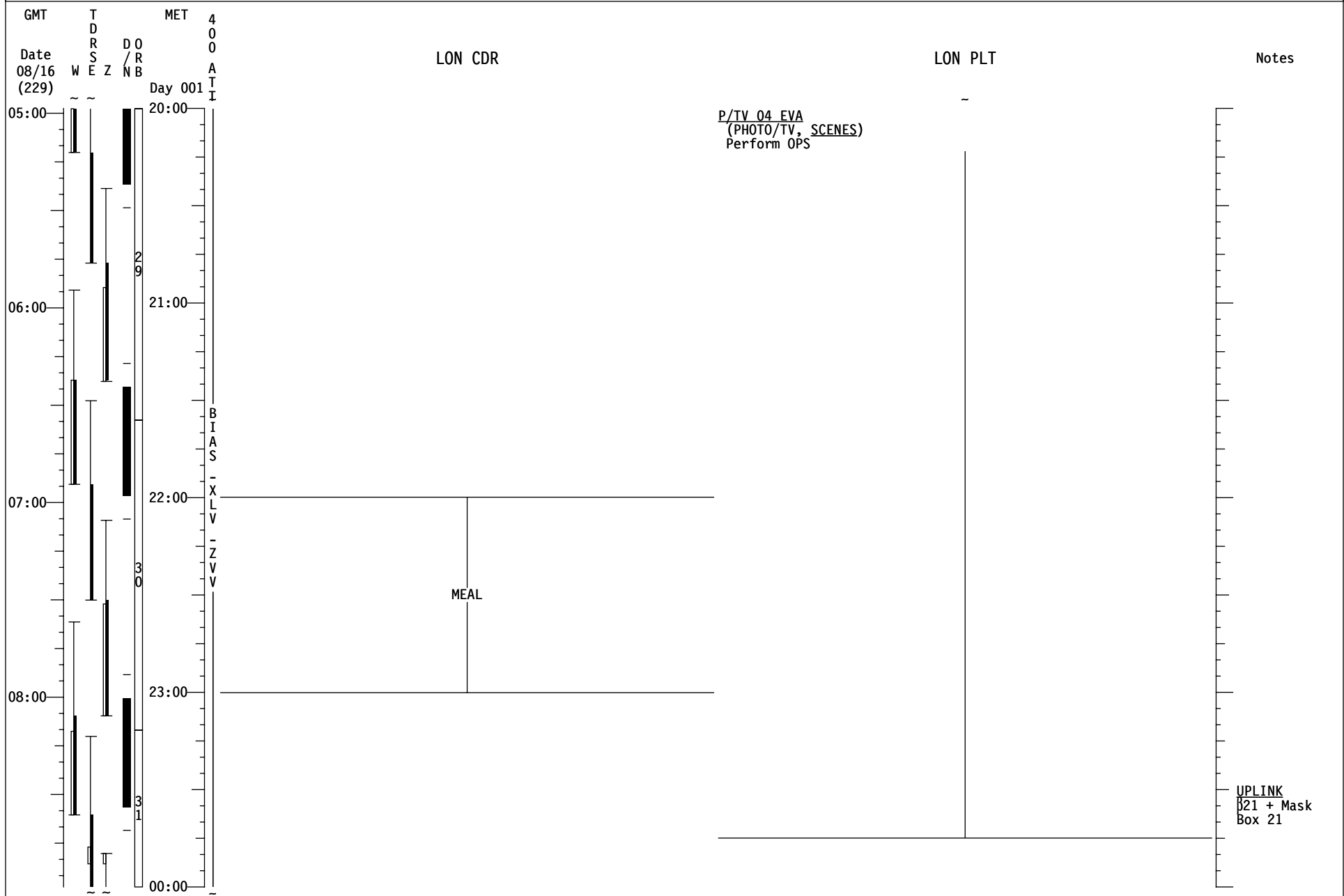
STS-400 (FD03)



STS-125 (FD03)

GMT	TDRS W E Z	MET D O R N B	1 2 5 A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/16 (229)		Day 001						
01:00				HST EVA 1 PREP (EVA, LON)	HST EVA 1 PREP (EVA, LON)	HST EVA 1 PREP (EVA, LON)	HST EVA 1 PREP (EVA, LON)	
02:00								
03:00				EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)	
				EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)	
				+ X L V				
				+ Z V V				
04:00				RESCUE EVA 1 DEPRESS CC (EVA)	RESCUE EVA 1 DEPRESS CC (EVA)	RESCUE EVA 1 DEPRESS CC (EVA)	RESCUE EVA 1 DEPRESS CC (EVA)	
				POST DEPRESS/EGRESS CC (EVA)	POST DEPRESS CC (EVA)	POST DEPRESS CC (EVA)	POST DEPRESS CC (EVA)	
				EVA SUPPORT (EVA, LON)		EVA SUPPORT (EVA, LON)		
					EVA EGRESS/SETUP		EVA EGRESS/SETUP	
20:00								

STS-400 (FD03)



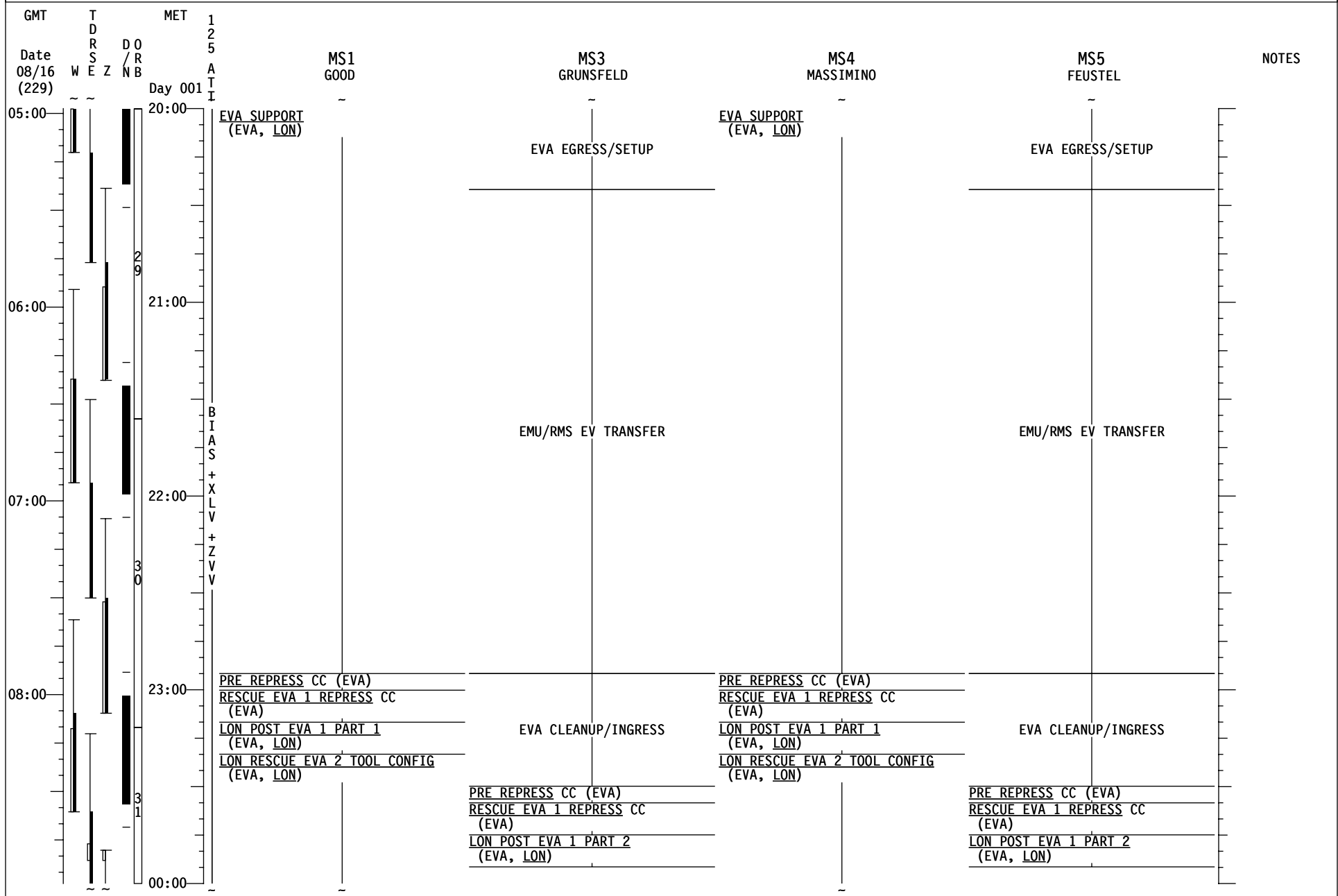
STS-400 (FD03)

GMT	T D R S W E Z	MET	4 0 0 A T	LON MS1	LON MS2	Notes
Date 08/16 (229)	W E Z	Day 001	Day 001			
05:00				LON EMU CONFIG FOR EVA1 TRANSFER (EVA, LON)	LON EMU CONFIG FOR EVA1 TRANSFER (EVA, LON)	
				RESCUE EVA 1 DEPRESS CC (EVA)	RESCUE EVA 1 DEPRESS CC (EVA)	
				EVA SUPPORT (EVA, LON)	EVA SUPPORT (EVA, LON)	
06:00					PRE REPRESS CC (EVA)	
					RESCUE EVA 1 REPRESS CC (EVA)	
					LON POST EVA 1 PART 1 (EVA, LON)	
07:00					RESCUE EVA 1 DEPRESS CC (EVA)	
					EVA SUPPORT (EVA, LON)	
08:00						
				PRE REPRESS CC (EVA)	PRE REPRESS CC (EVA)	
				RESCUE EVA 1 REPRESS CC (EVA)	RESCUE EVA 1 REPRESS CC (EVA)	
				LON POST EVA 1 PART 2 (EVA, LON)	LON POST EVA 1 PART 2 (EVA, LON)	
00:00						

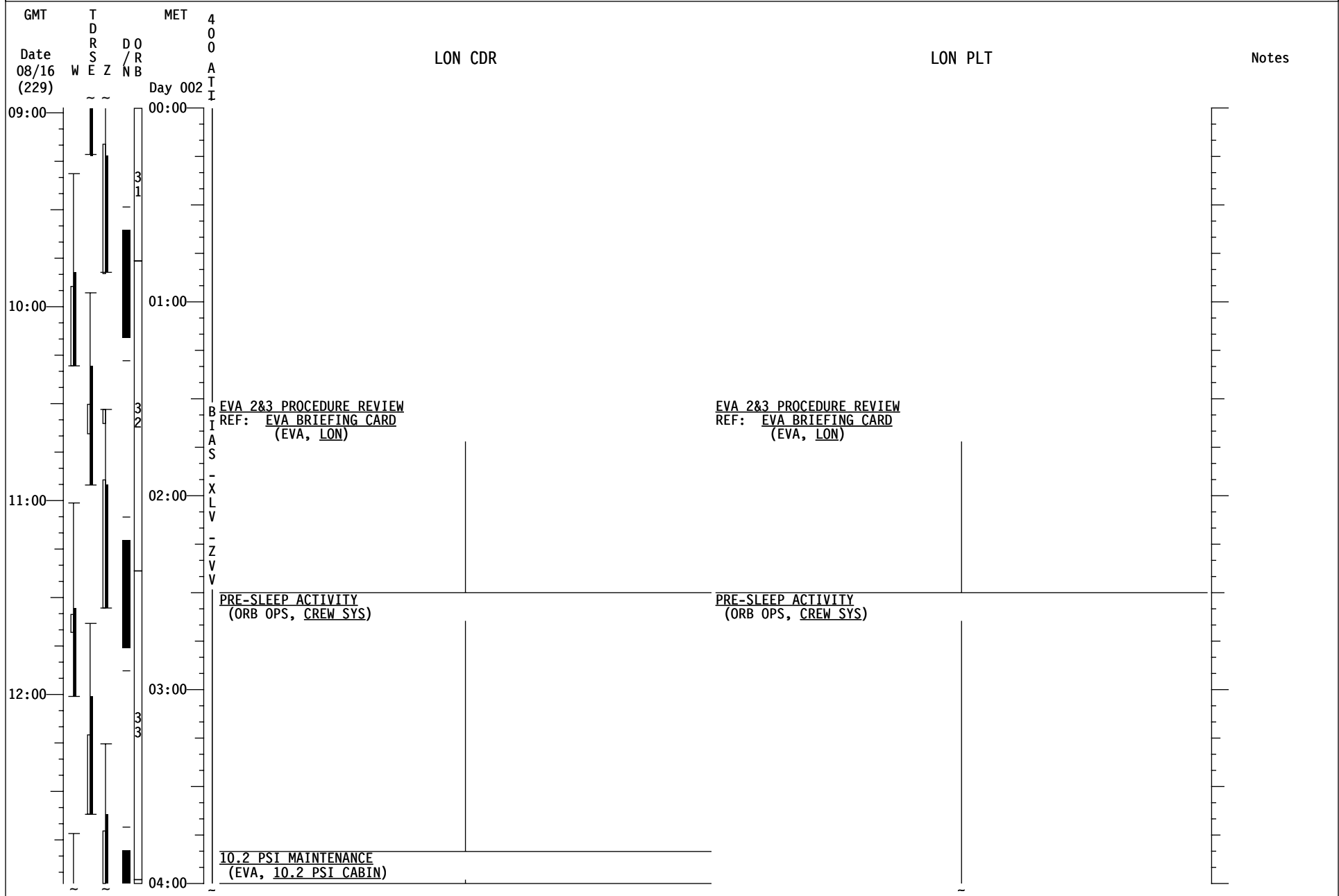
STS-125 (FD03)

GMT	TDRS W E Z	MET D O R / N B	1 2 5 A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
05:00		Day 001					
						EVA EGRESS/SETUP	
						EMU/RMS EV TRANSFER	
06:00						<u>PRE REPRESS CC (EVA)</u> <u>RESCUE EVA 1 REPRESS CC</u> (EVA) <u>LON POST EVA 1 PART 1</u> (EVA, LON)	
07:00							
				MEAL	MEAL	MEAL	
08:00							
00:00							

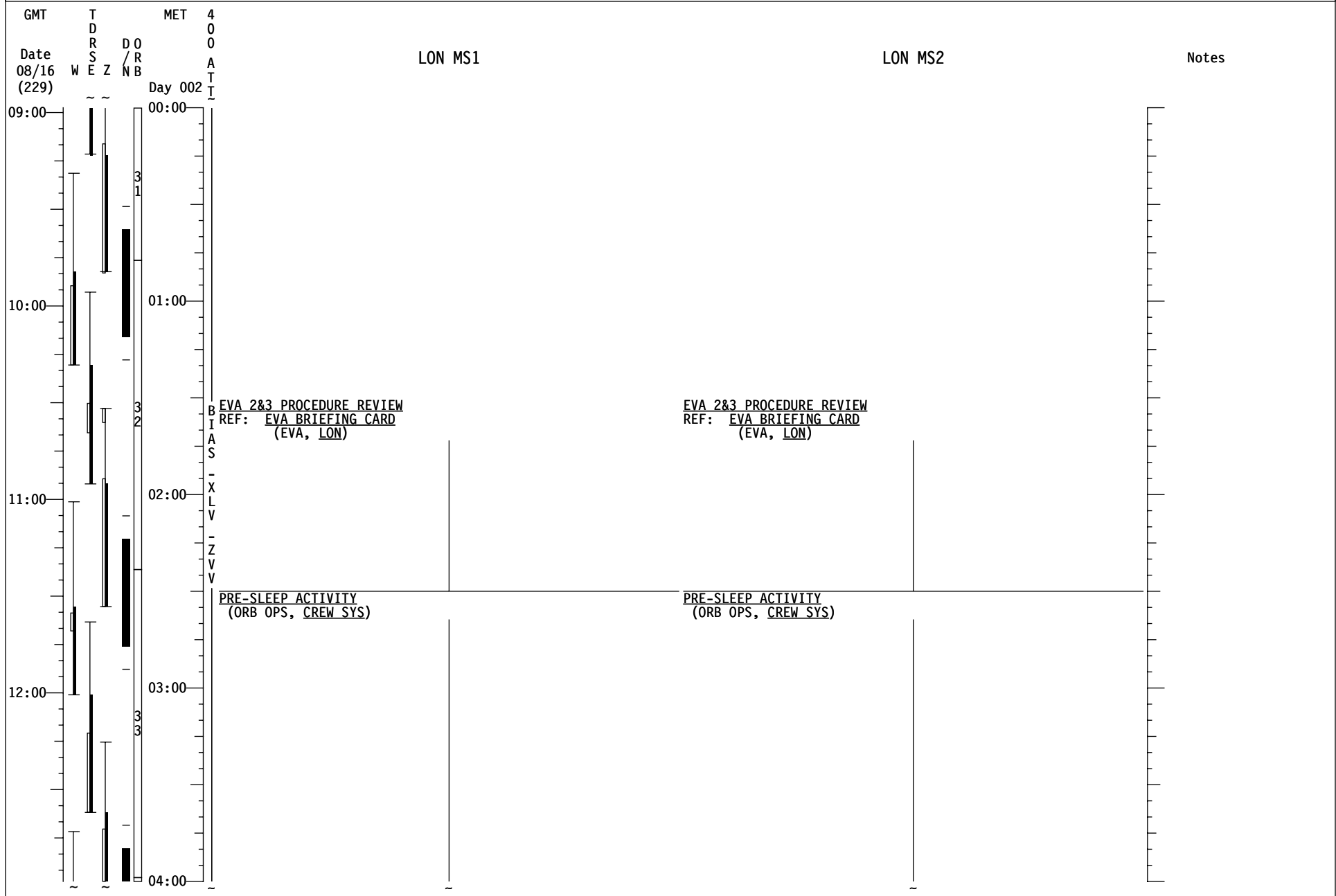
STS-125 (FD03)



STS-400 (FD03)



STS-400 (FD03)



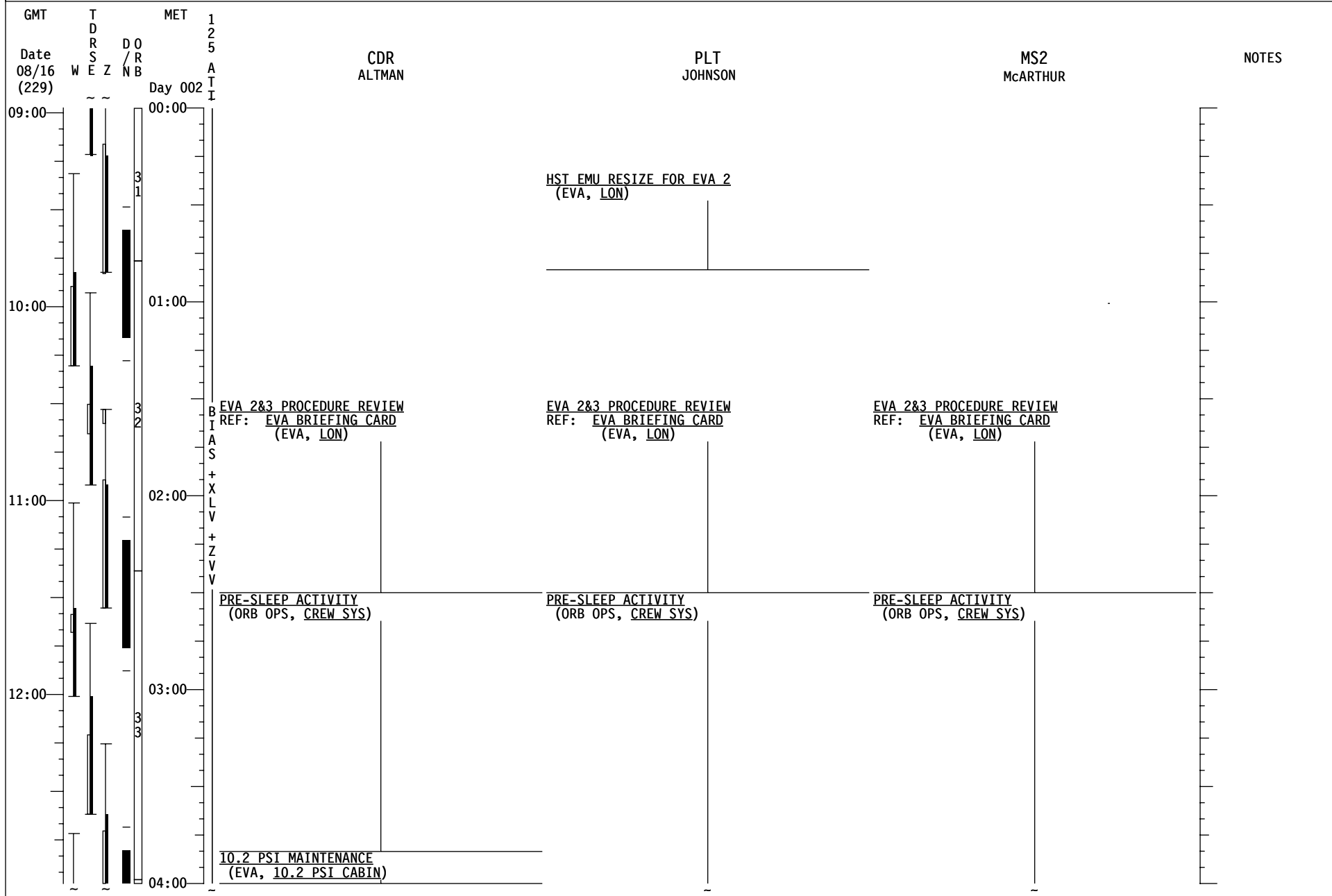
EVA 2&3 PROCEDURE REVIEW
REF: EVA BRIEFING CARD
(EVA, LON)

EVA 2&3 PROCEDURE REVIEW
REF: EVA BRIEFING CARD
(EVA, LON)

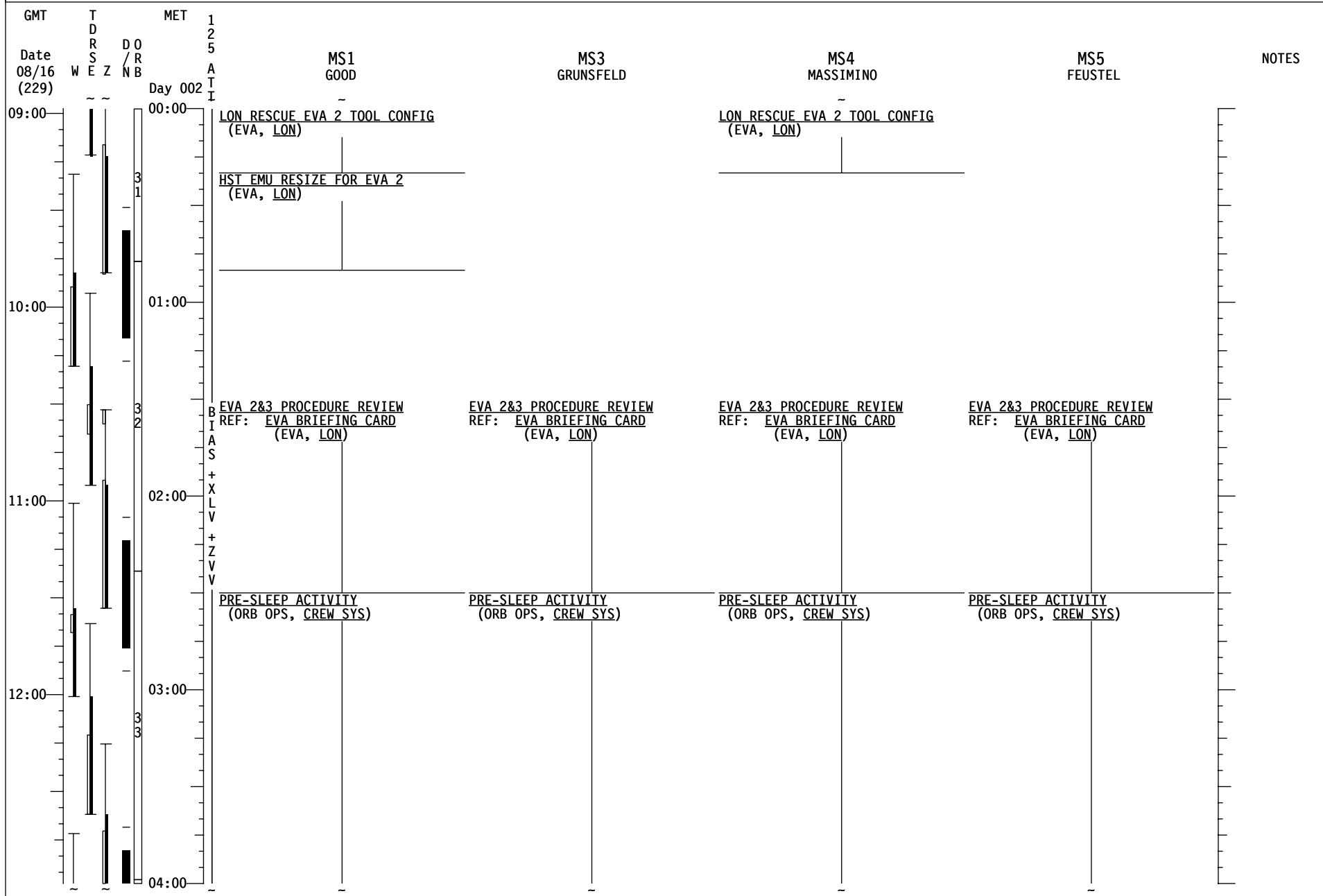
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

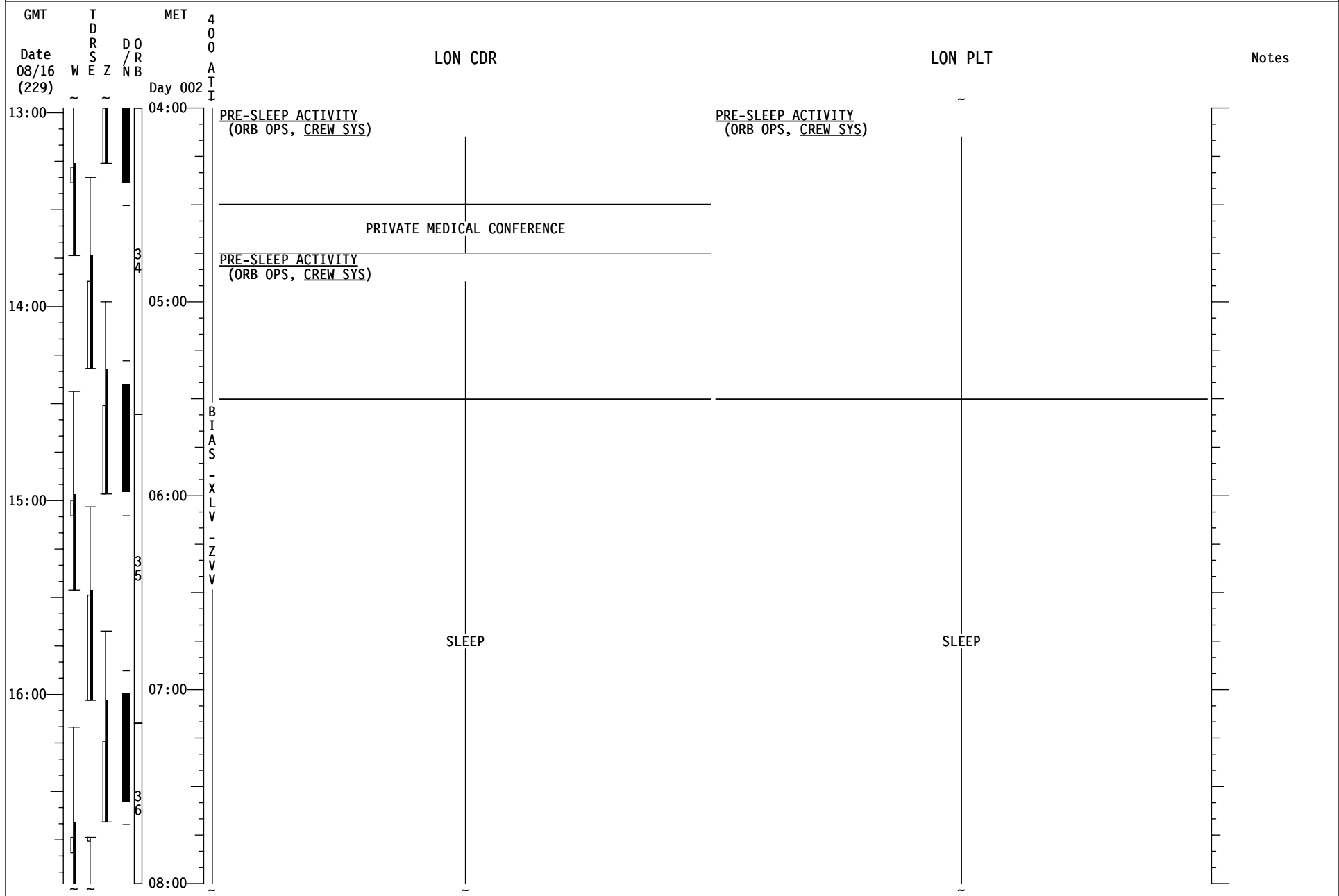
STS-125 (FD03)



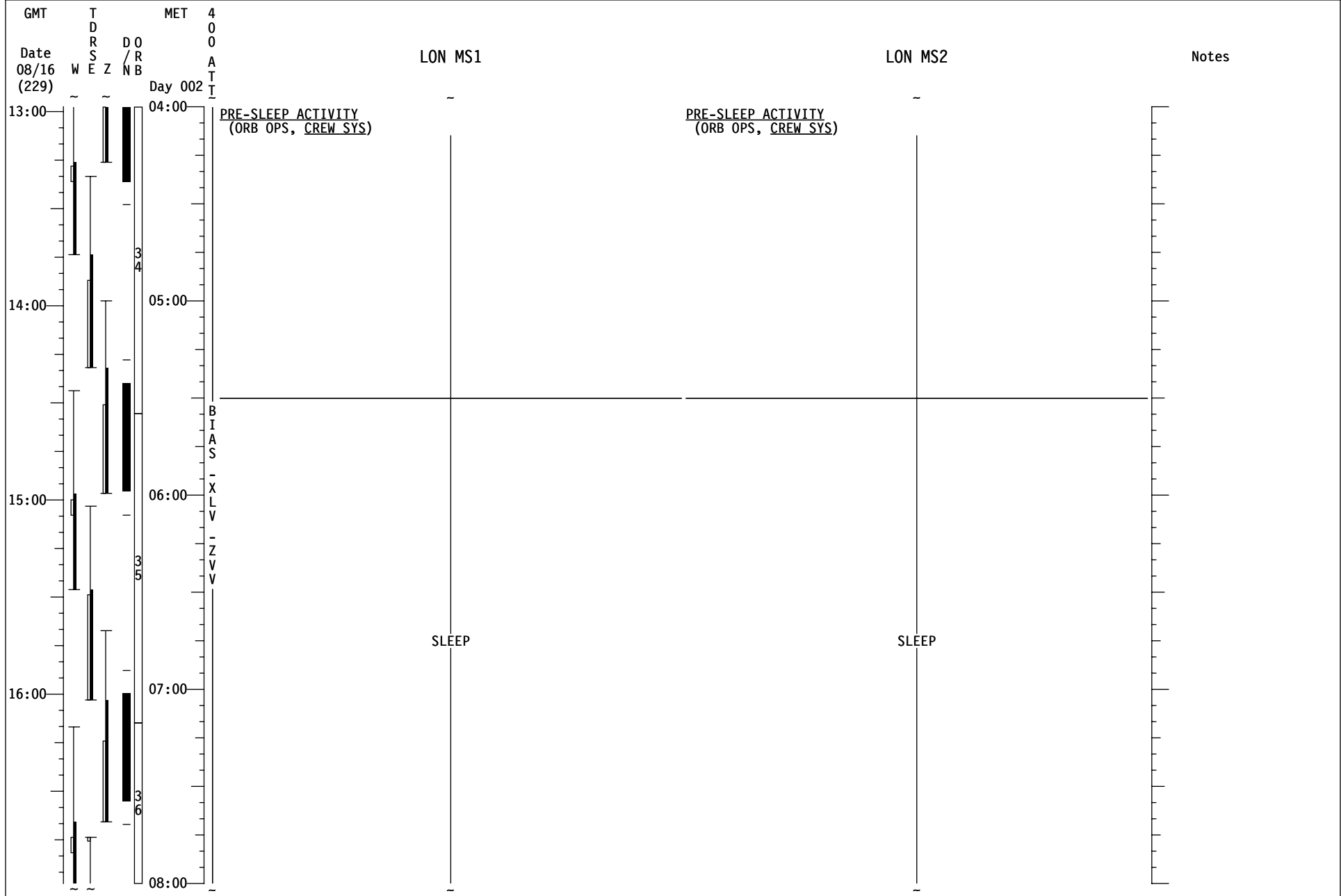
STS-125 (FD03)



STS-400 (FD03)



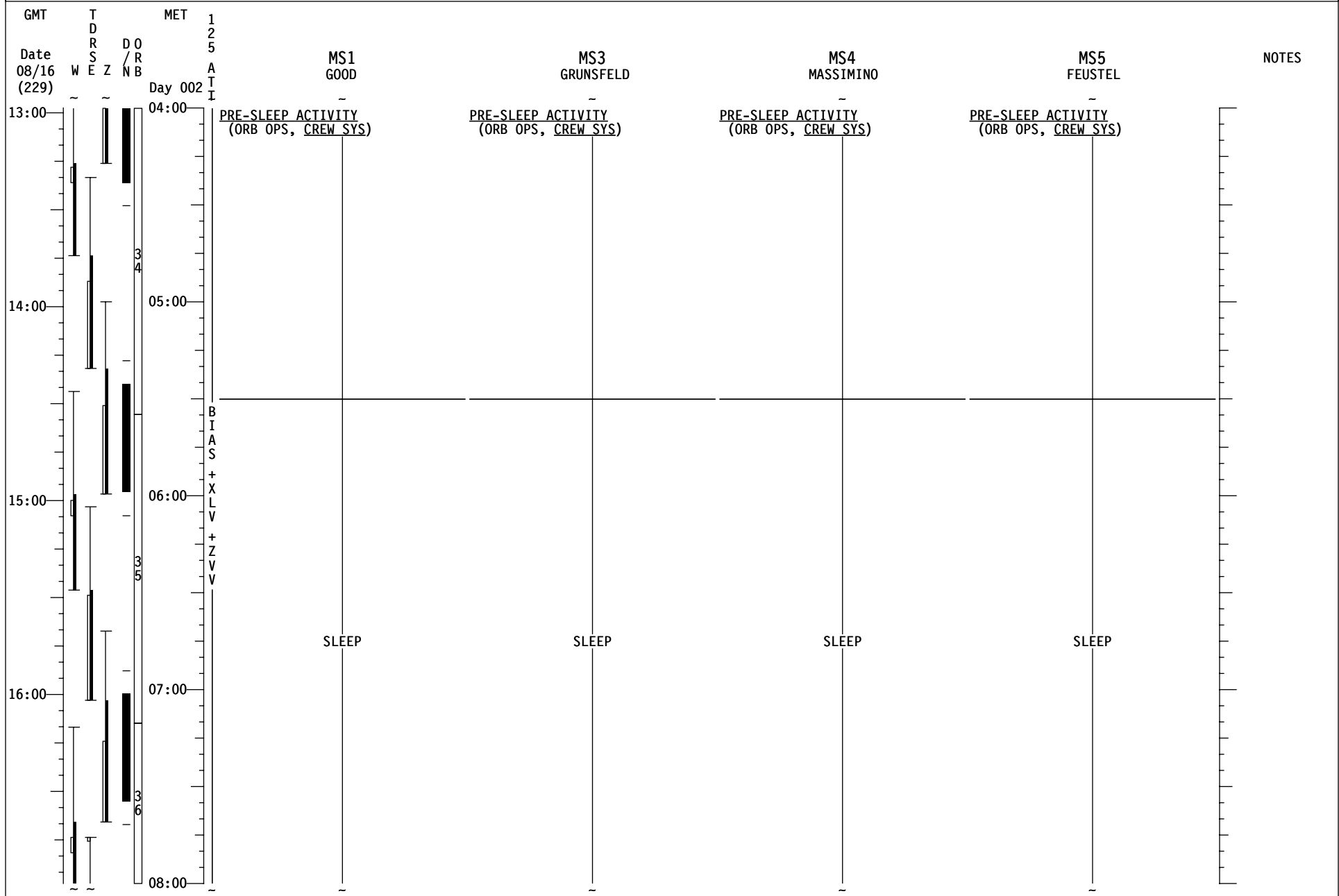
STS-400 (FD03)



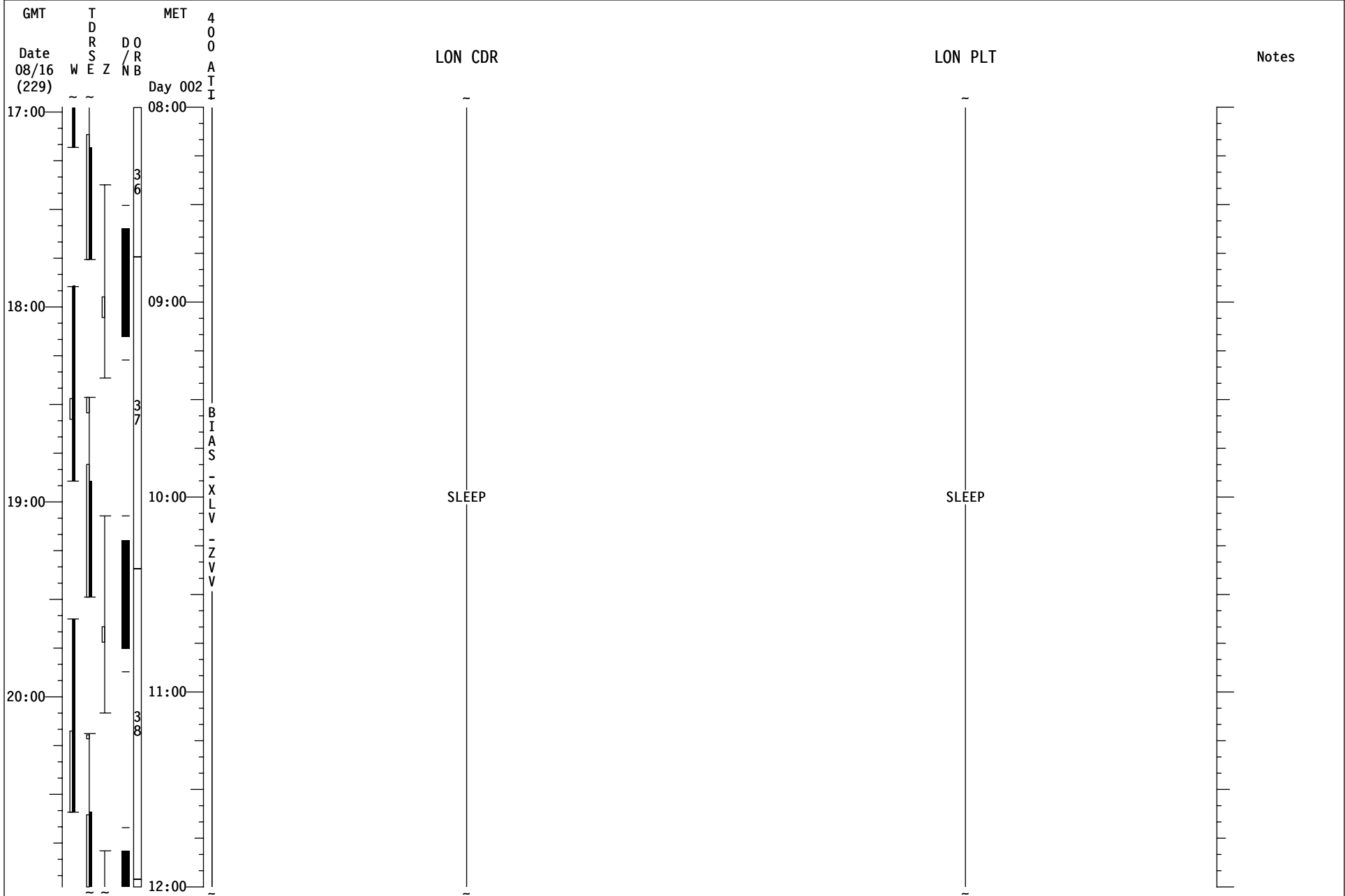
STS-125 (FD03)

GMT	T D R S E Z	MET	1 2 5 A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/16 (229)	W E Z	Day 002					
13:00		04:00		PRIVATE MEDICAL CONFERENCE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
14:00		05:00					
15:00		06:00	B I A S + X L V + Z V V				
				SLEEP	SLEEP	SLEEP	
16:00		07:00					
08:00							

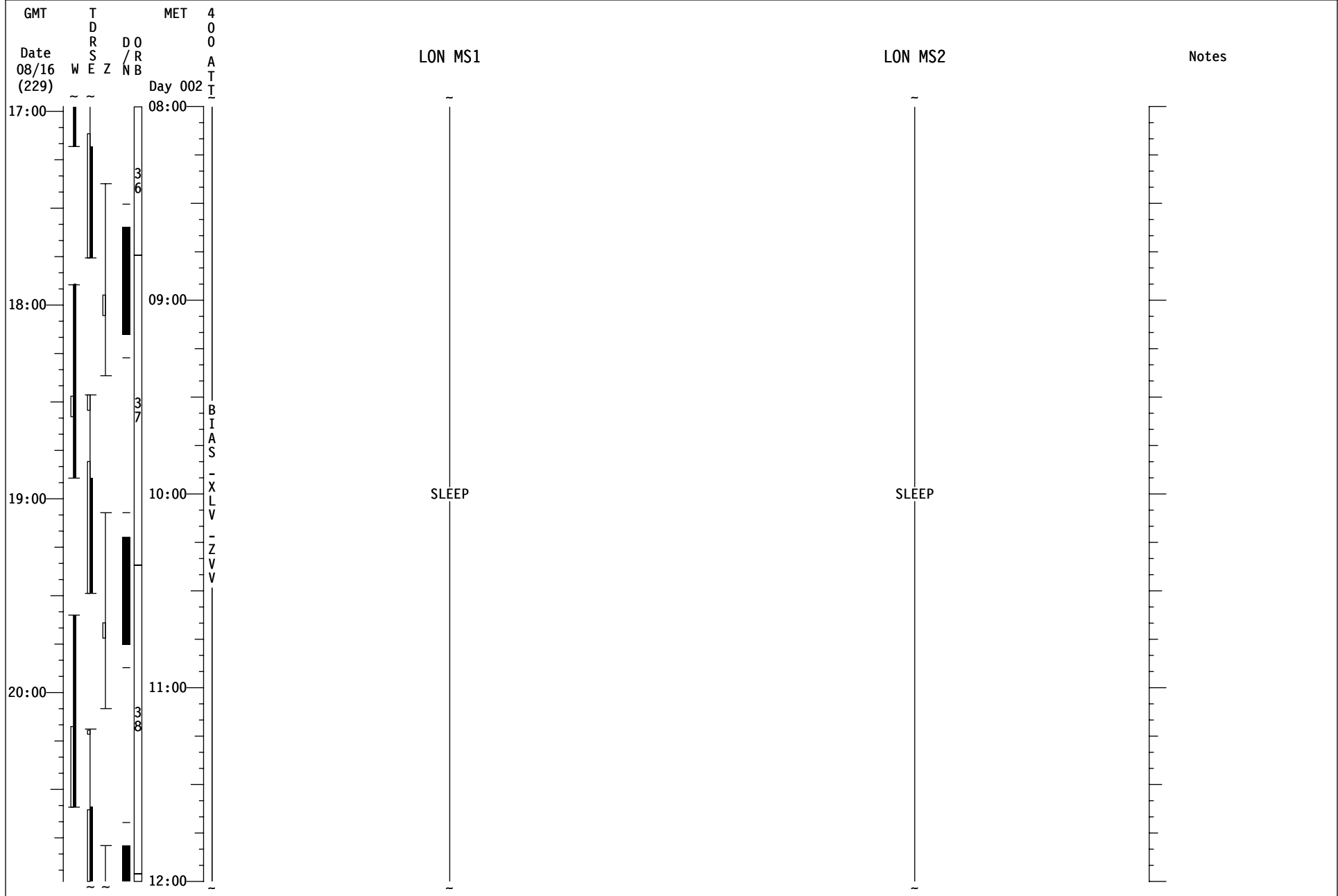
STS-125 (FD03)



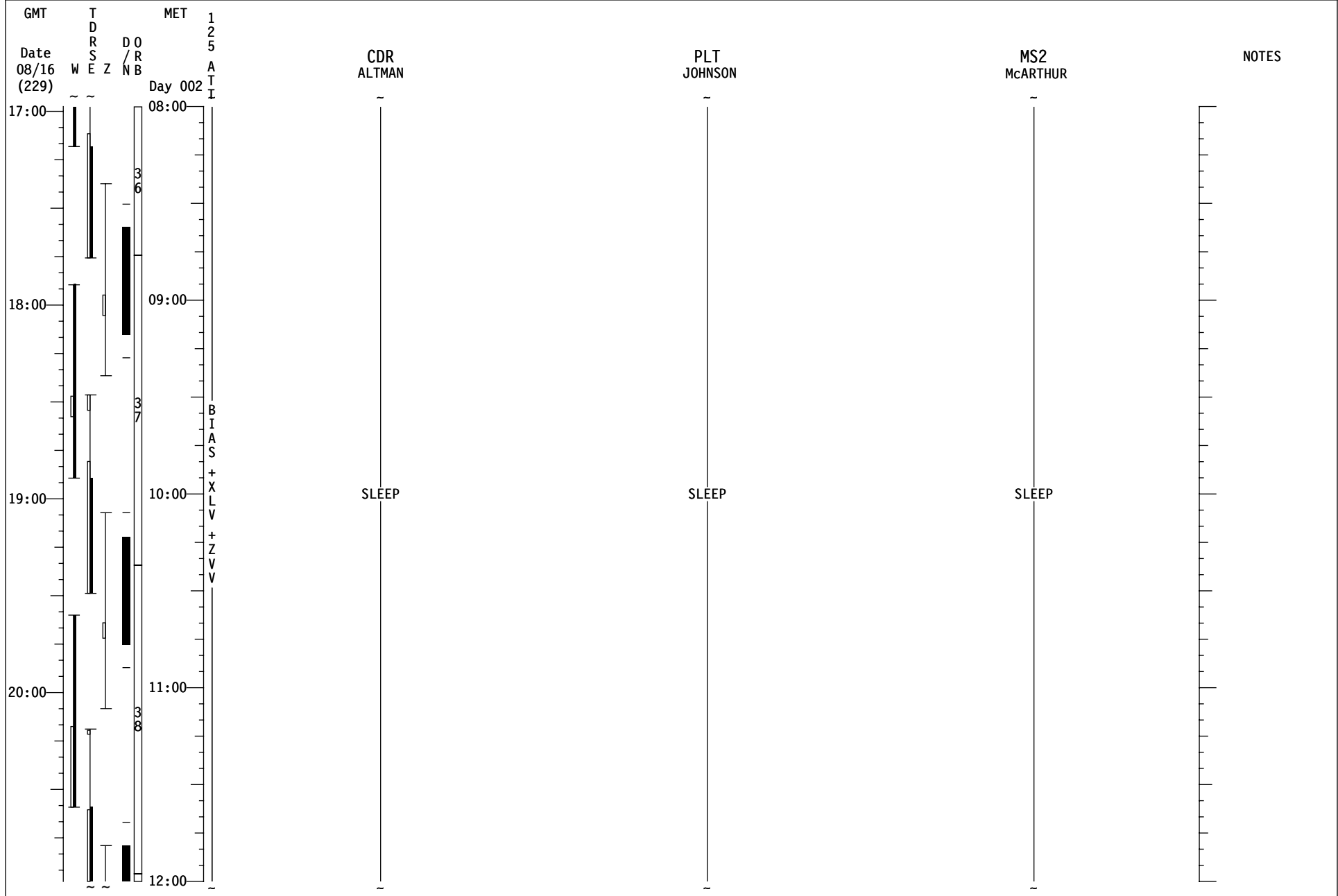
STS-400 (FD03)



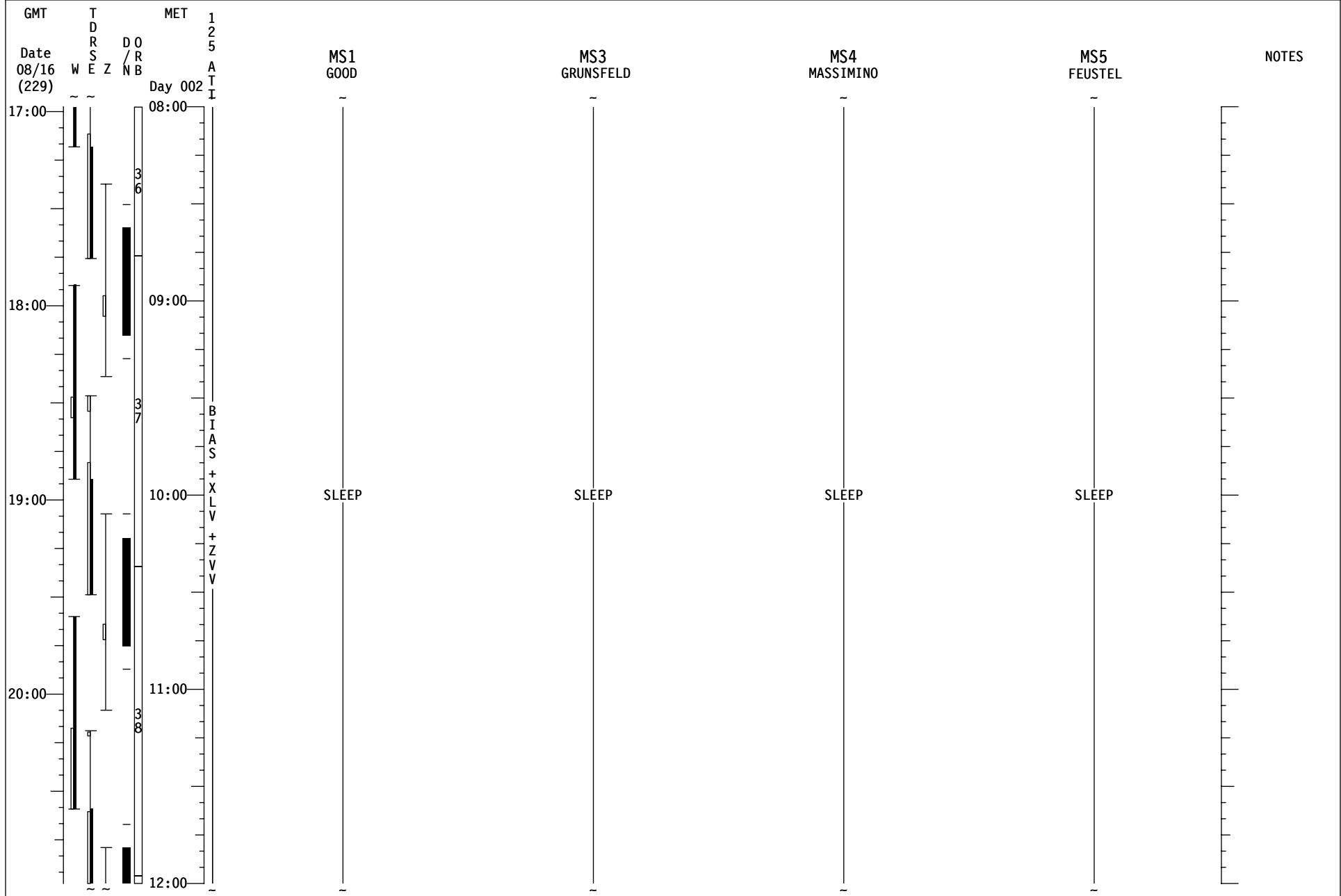
STS-400 (FD03)



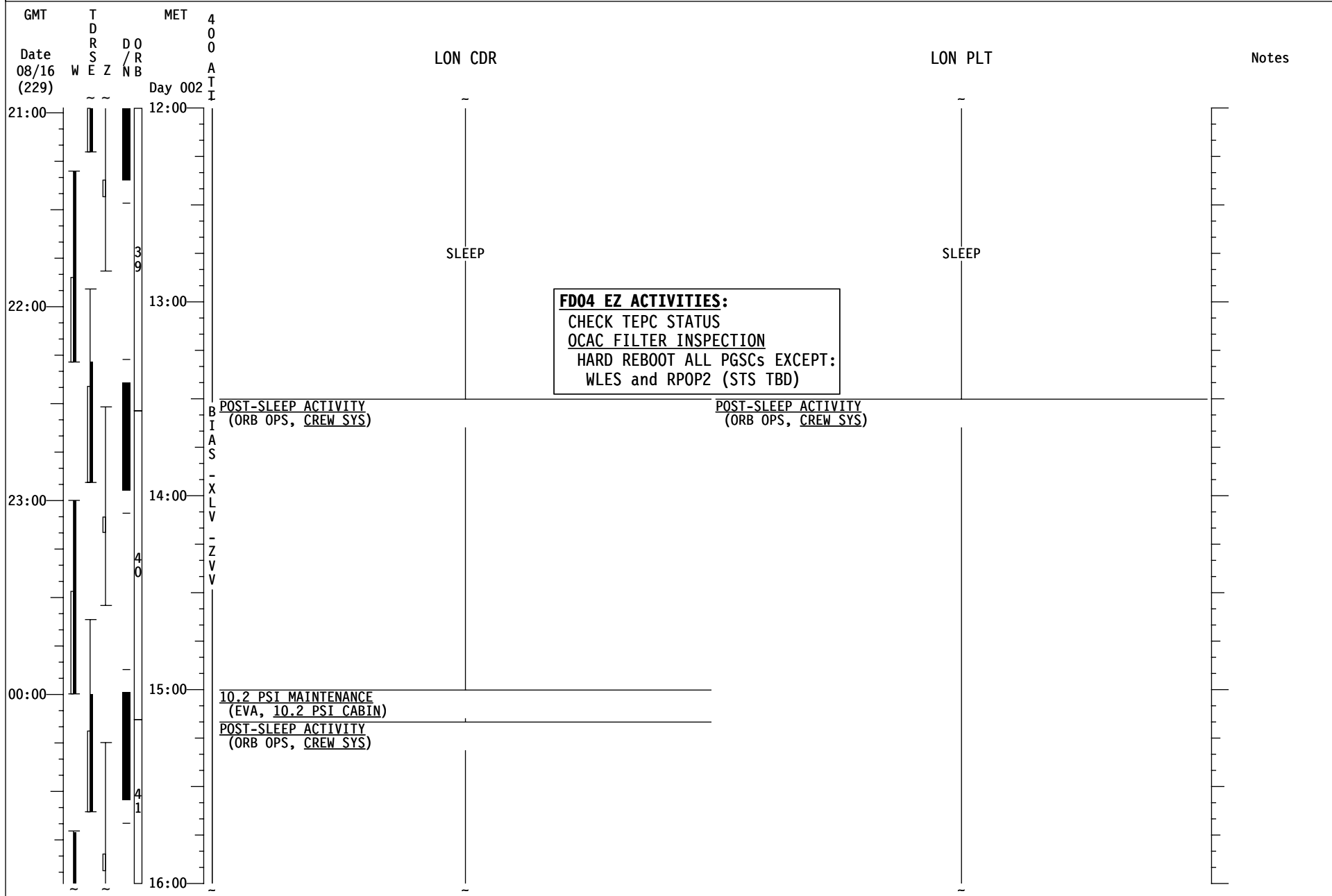
STS-125 (FD03)



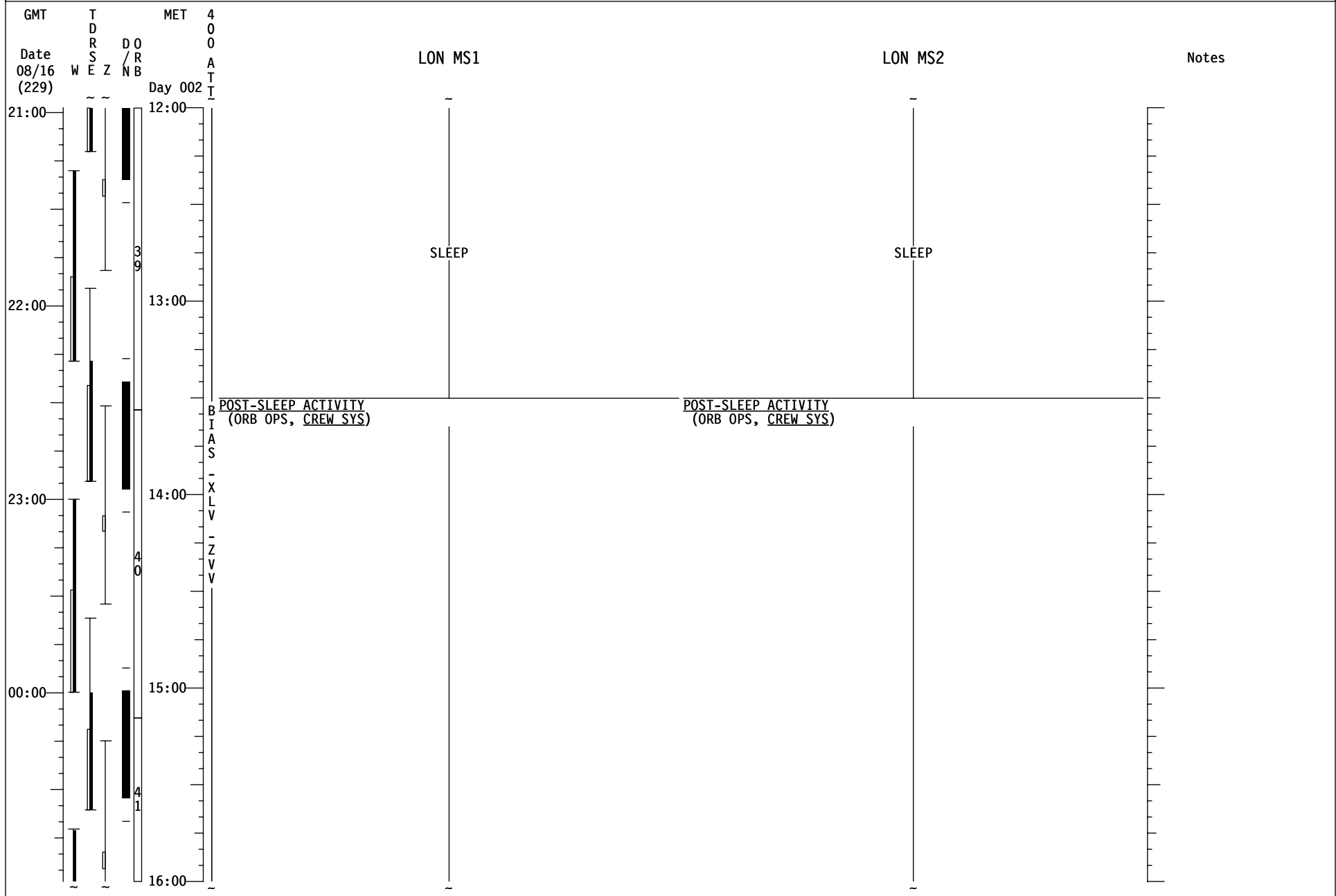
STS-125 (FD03)



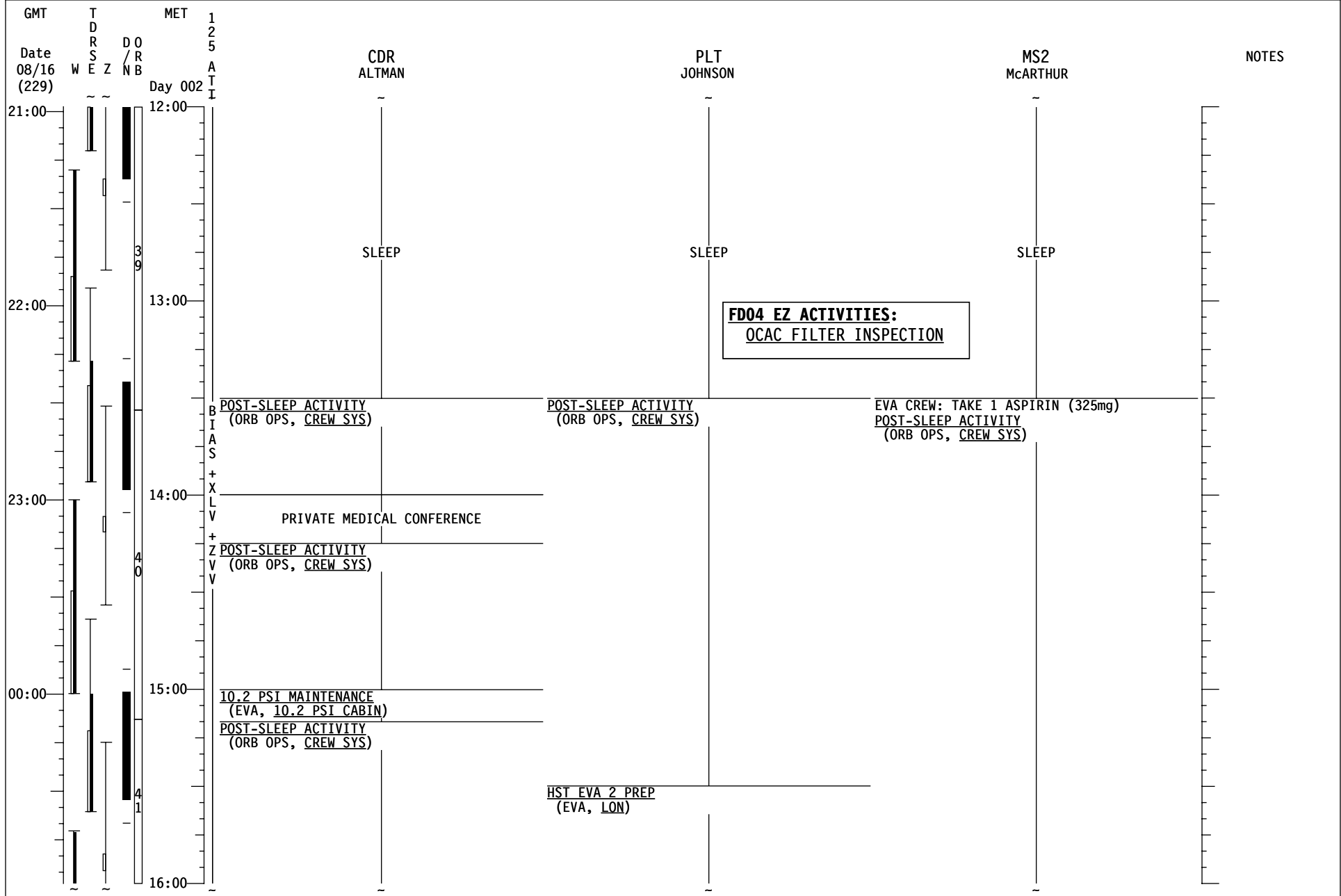
STS-400 (FD04)



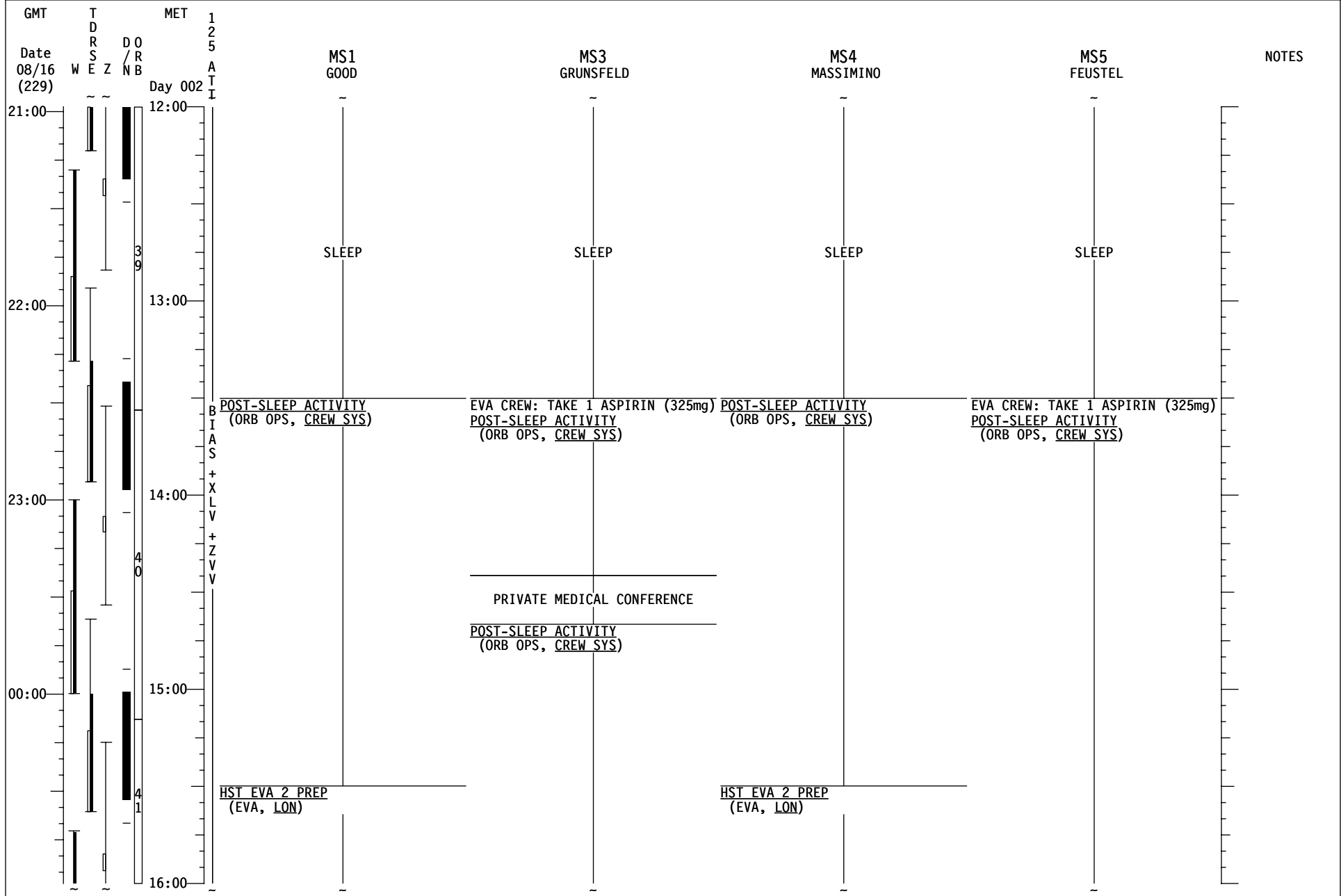
STS-400 (FD04)



STS-125 (FD04)



STS-125 (FD04)



POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

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

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

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

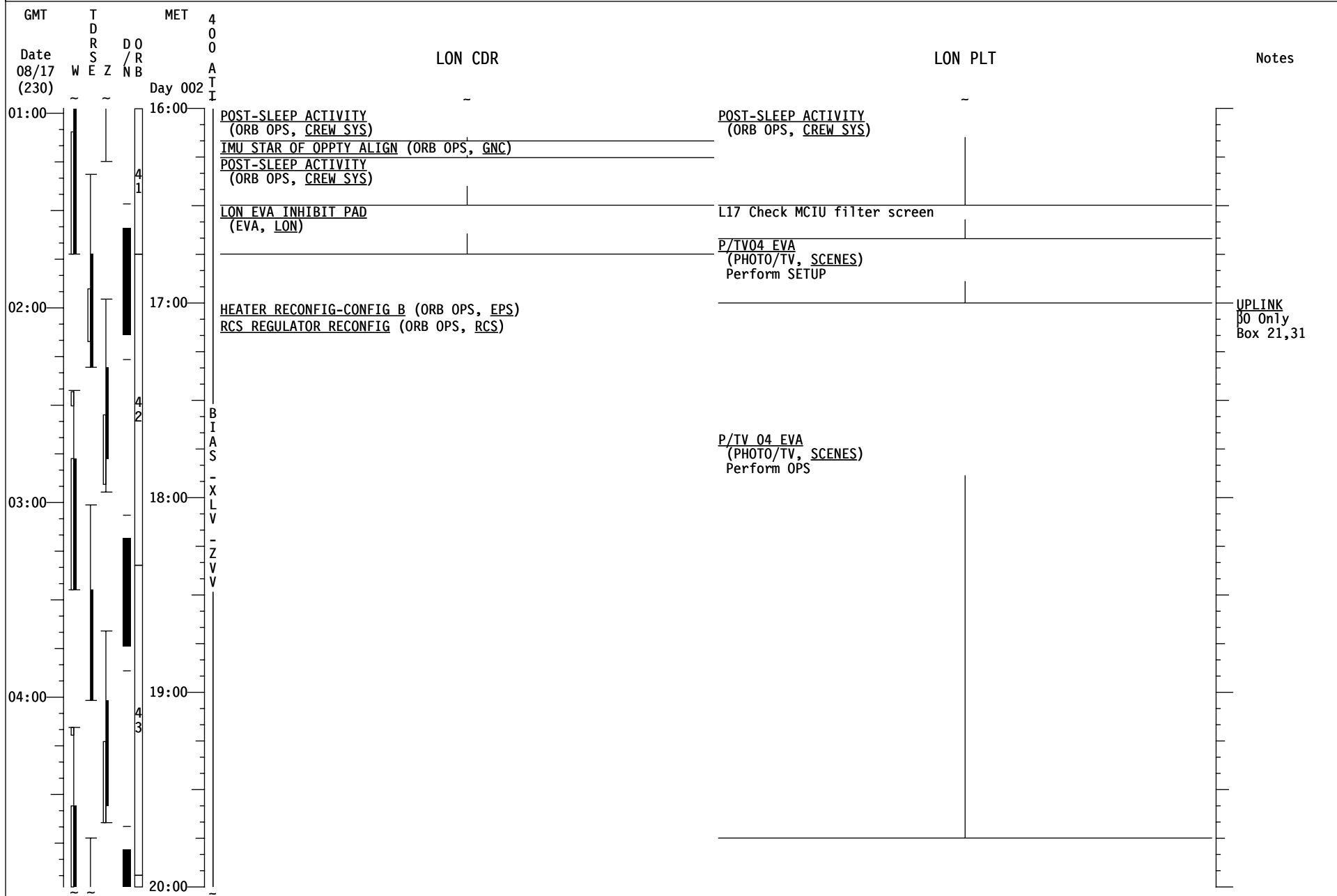
PRIVATE MEDICAL CONFERENCE

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

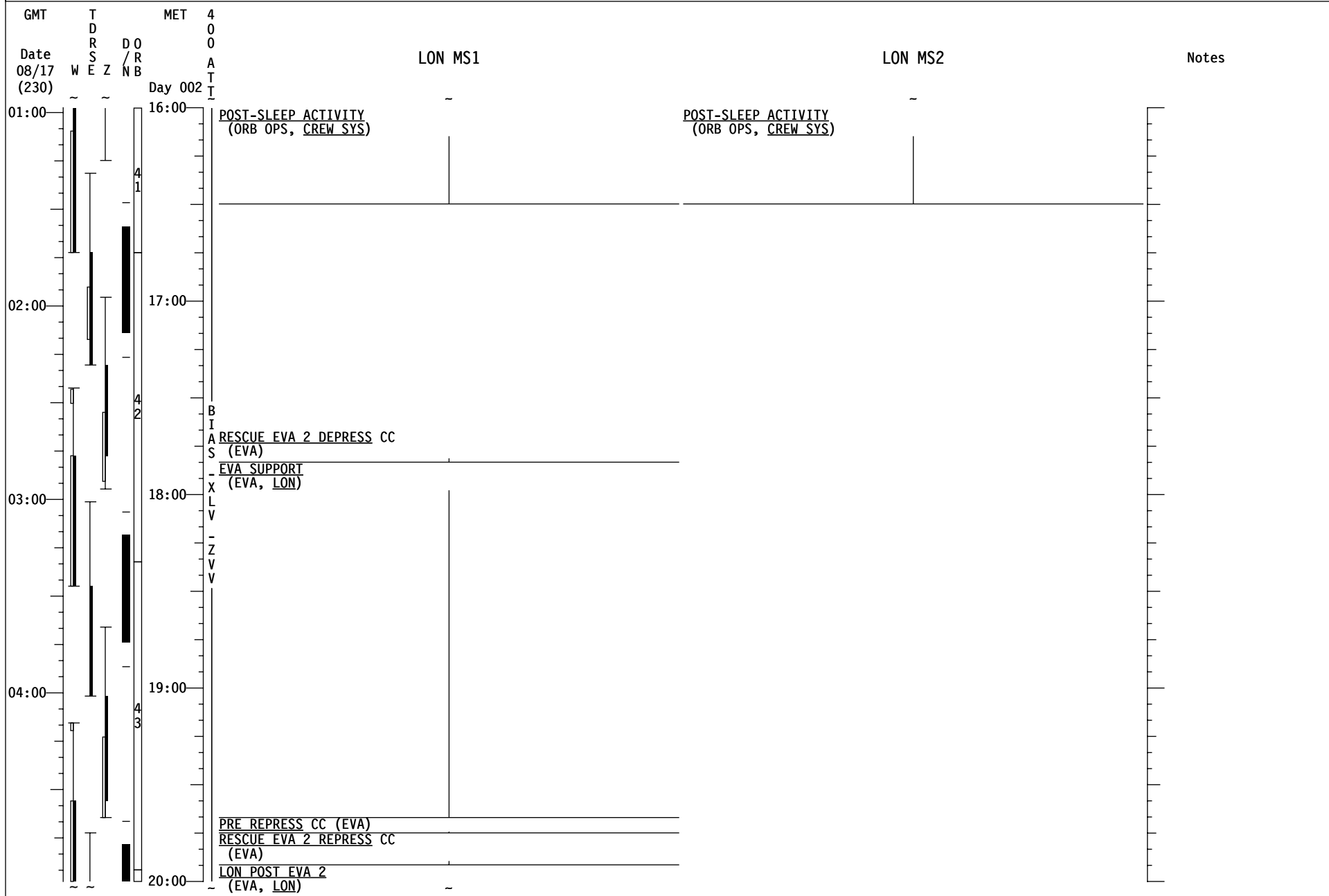
HST EVA 2 PREP
(EVA, LON)

HST EVA 2 PREP
(EVA, LON)

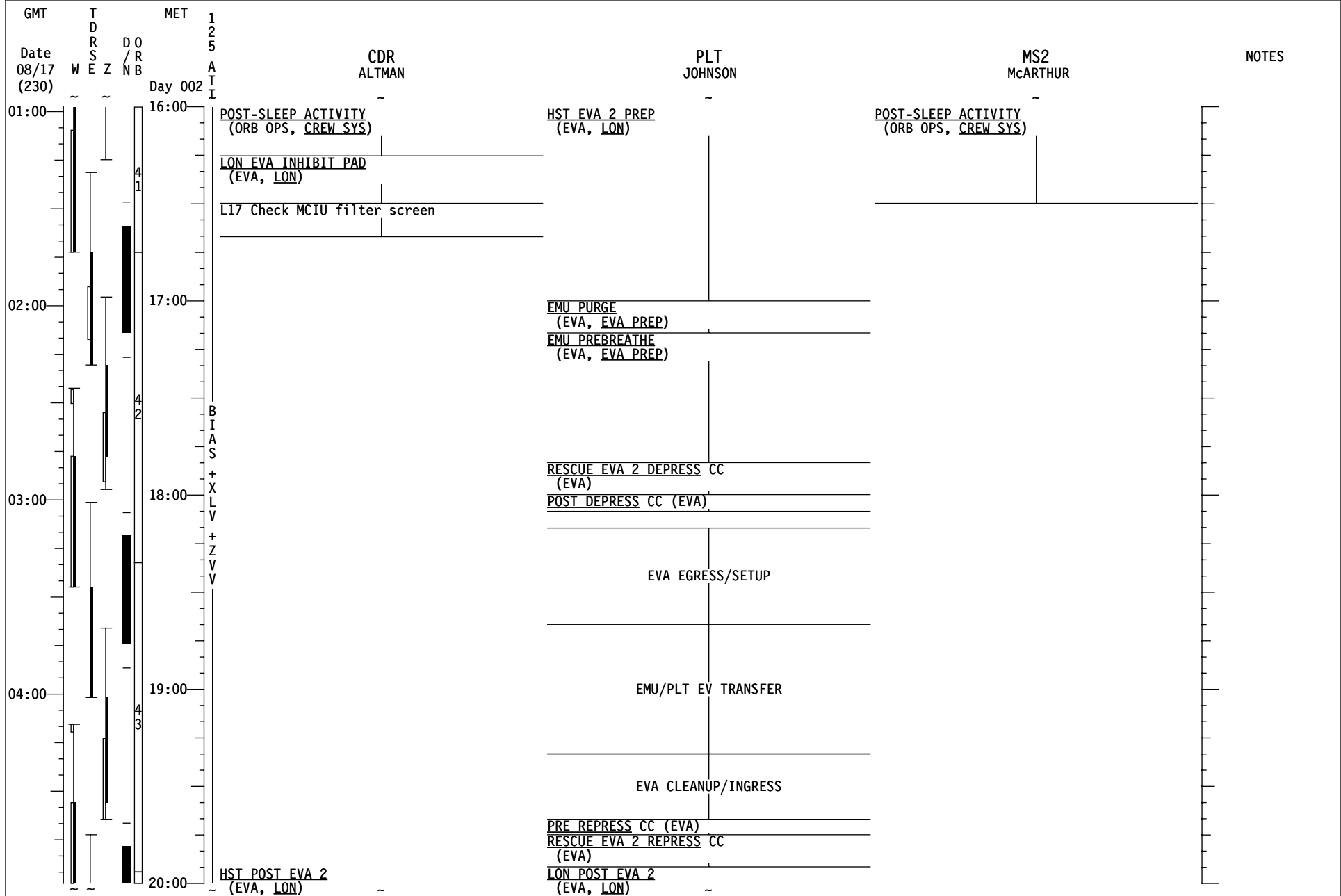
STS-400 (FD04)



STS-400 (FD 04)



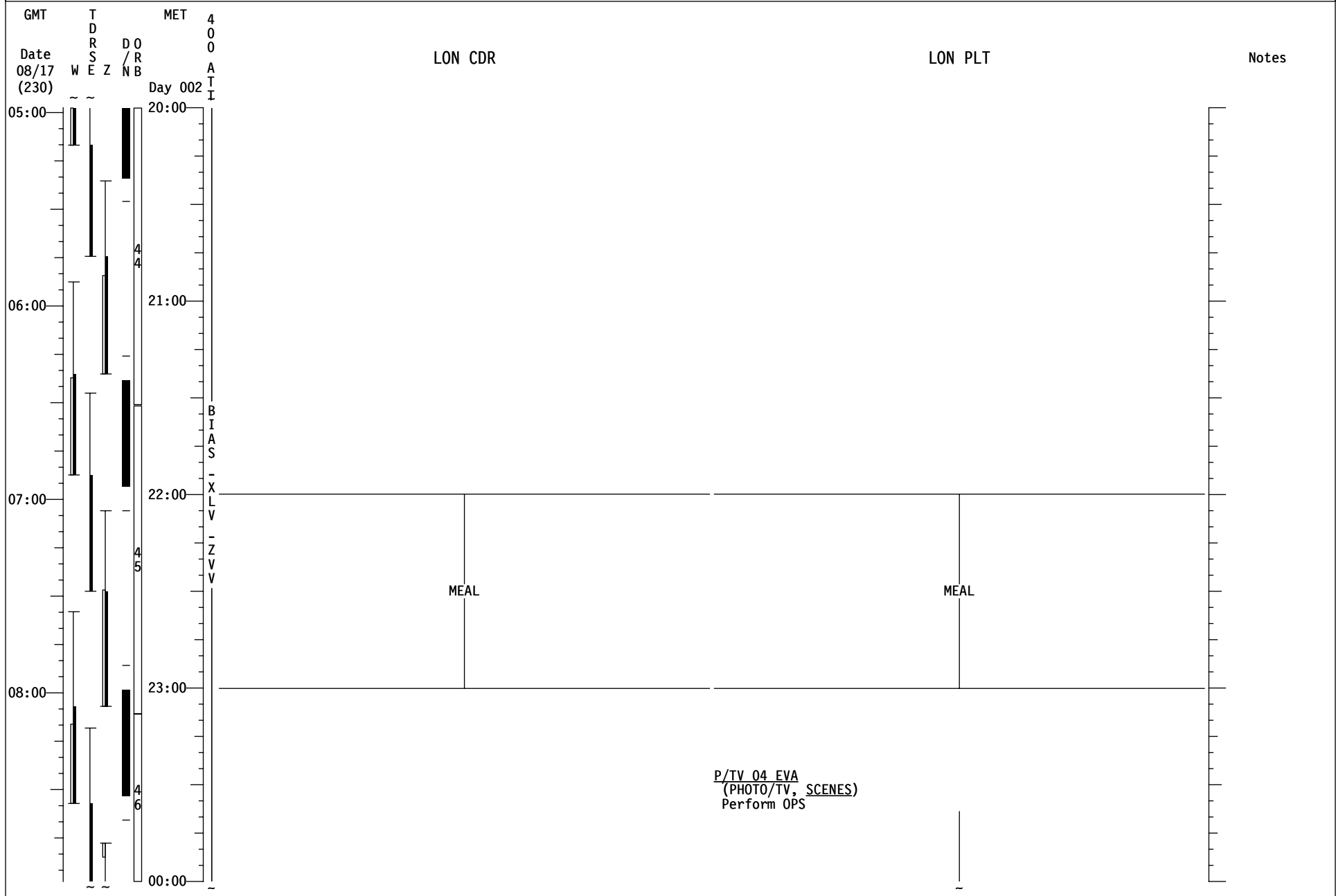
STS-125 (FD04)



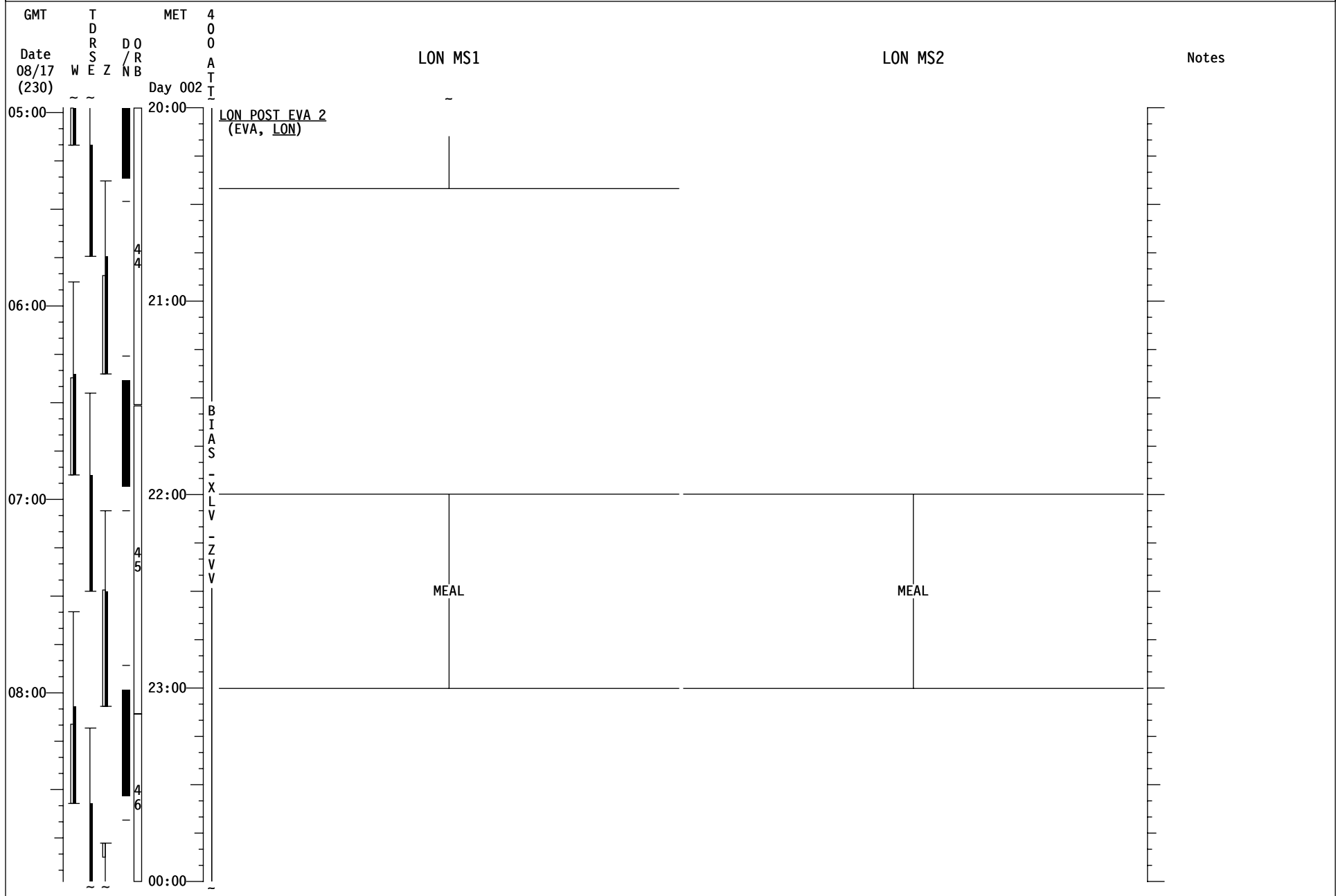
STS-125 (FD04)

GMT	TDRSEZ	MET	1 2 5 A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/17 (230)	W E Z	Day 002	1 2 5 A T I					
01:00		16:00		HST EVA 2 PREP (EVA, LON)	POST-SLEEP ACTIVITY (ORB OPS, CREW_SYS) LON EMU CONFIG FOR EVA 2 TRANSFER (EVA, LON) LON EVA 2 PREP (EVA, LON)	HST EVA 2 PREP (EVA, LON)	POST-SLEEP ACTIVITY (ORB OPS, CREW_SYS) LON EMU CONFIG FOR EVA 2 TRANSFER (EVA, LON) LON EVA 2 PREP (EVA, LON)	
02:00		17:00		EMU PURGE (EVA, EVA PREP) EMU PREBREATHE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP) EMU PREBREATHE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP) EMU PREBREATHE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP) EMU PREBREATHE (EVA, EVA PREP)	
03:00		18:00	B I A S	+ RESCUE EVA 2 DEPRESS CC (EVA) X L POST DEPRESS CC (EVA) V EVA SUPPORT (EVA, LON)	RESCUE EVA 2 DEPRESS CC (EVA) POST DEPRESS CC (EVA)	RESCUE EVA 2 DEPRESS CC (EVA) POST DEPRESS CC (EVA)	RESCUE EVA 2 DEPRESS CC (EVA) POST DEPRESS CC (EVA) EVA SUPPORT (EVA, LON)	
04:00		19:00	+ Z V V		EVA EGRESS/SETUP	EVA EGRESS/SETUP		
					EMU/PLT EV TRANSFER	EMU/PLT EV TRANSFER		
					EVA CLEANUP/INGRESS	EVA CLEANUP/INGRESS		
		20:00		PRE REPRESS CC (EVA) RESCUE EVA 2 REPRESS CC (EVA) HST POST EVA 2 (EVA, LON)	PRE REPRESS CC (EVA) RESCUE EVA 2 REPRESS CC (EVA) LON POST EVA 2 (EVA, LON)	PRE REPRESS CC (EVA) RESCUE EVA 2 REPRESS CC (EVA) HST POST EVA 2 (EVA, LON)	PRE REPRESS CC (EVA) RESCUE EVA 2 REPRESS CC (EVA) LON POST EVA 2 (EVA, LON)	

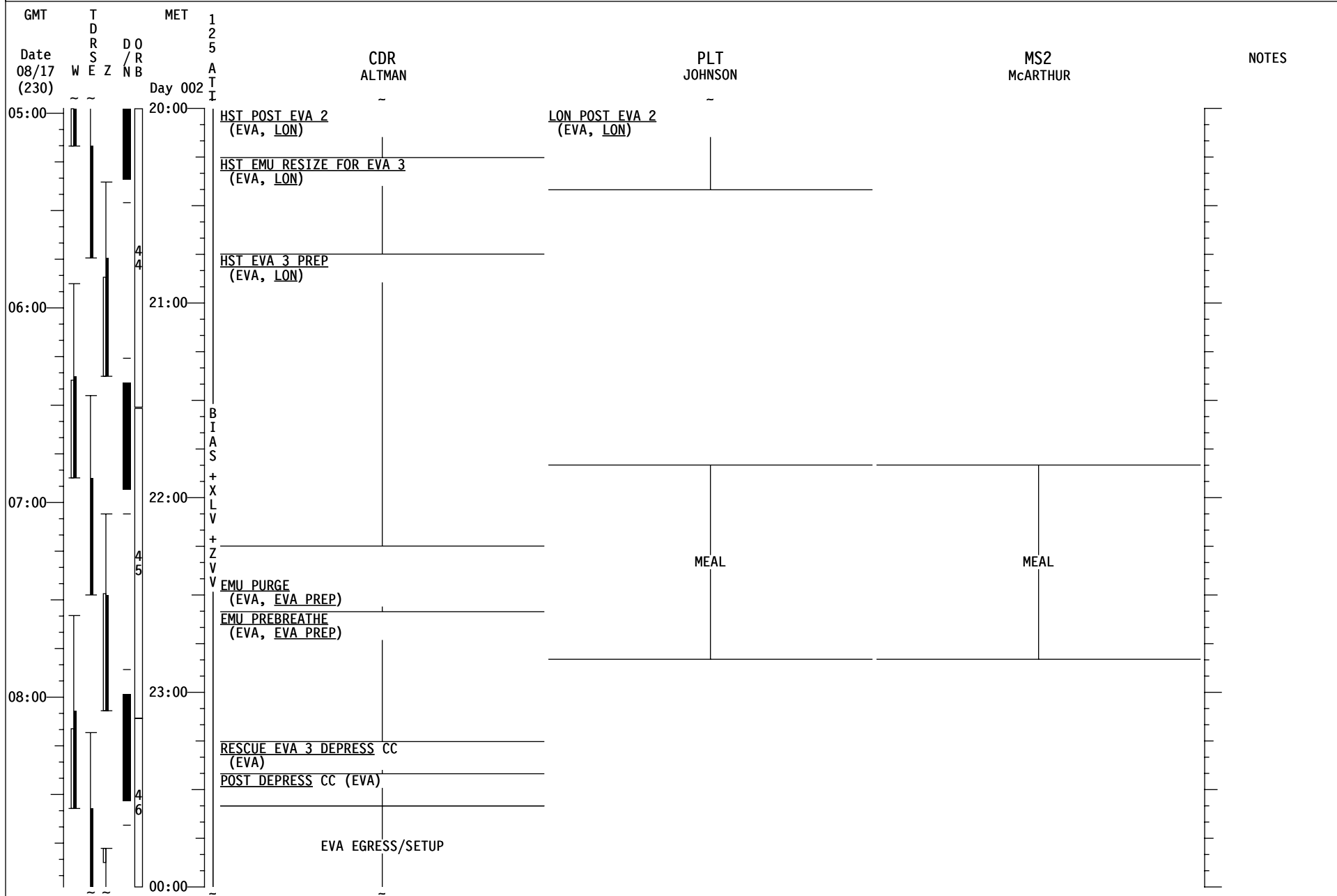
STS-400 (FD04)



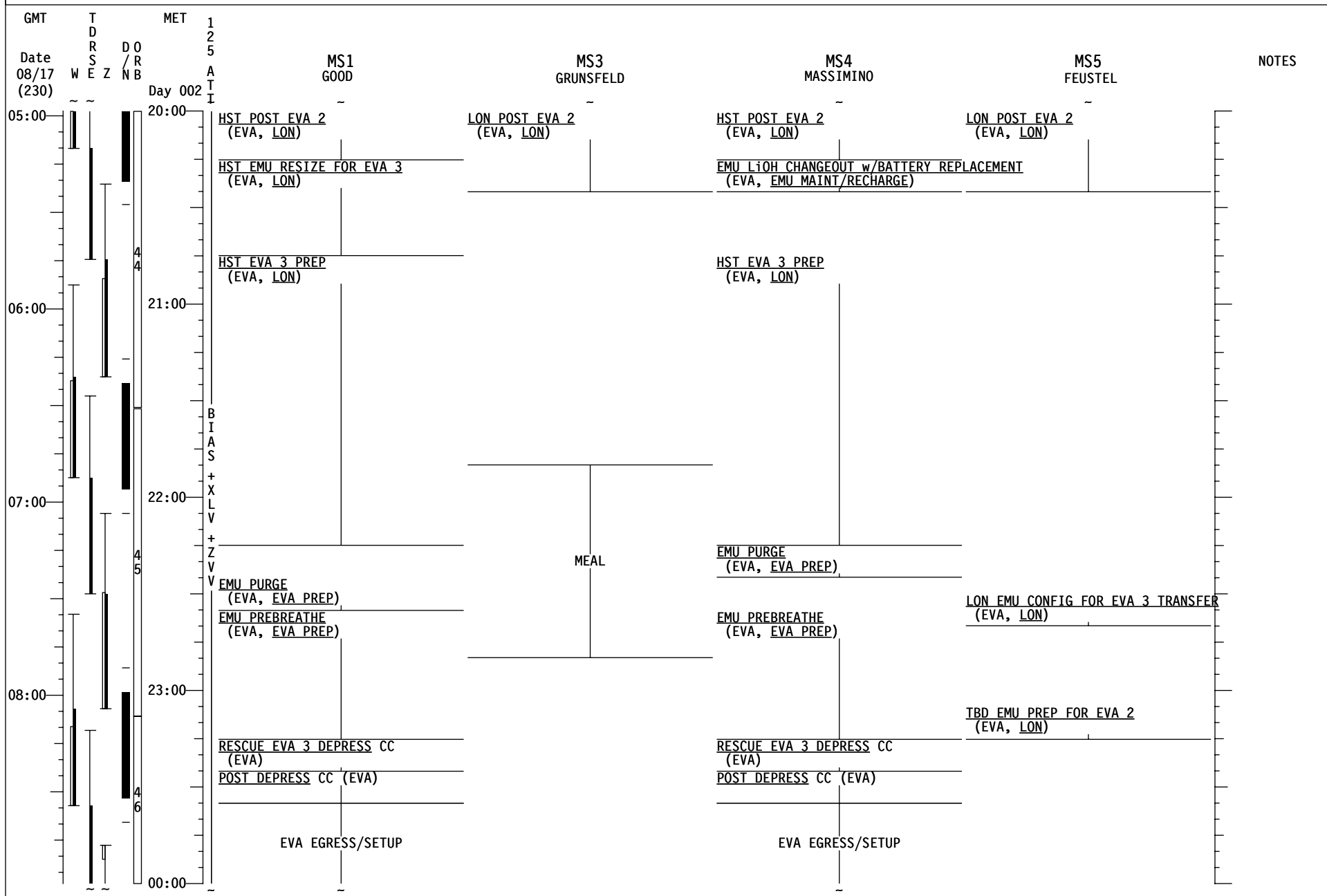
STS-400 (FD04)



STS-125 (FD04)



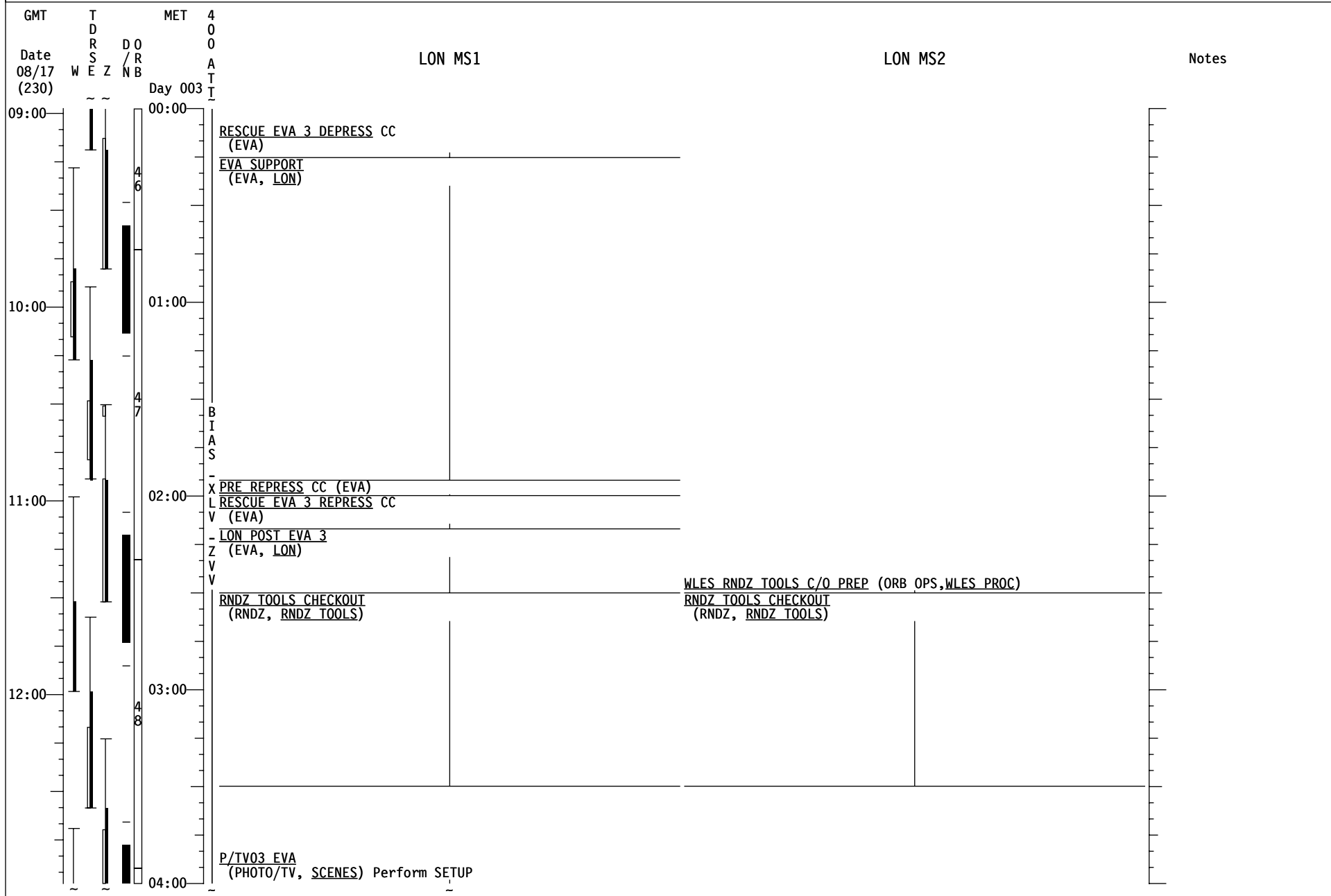
STS-125 (FD04)



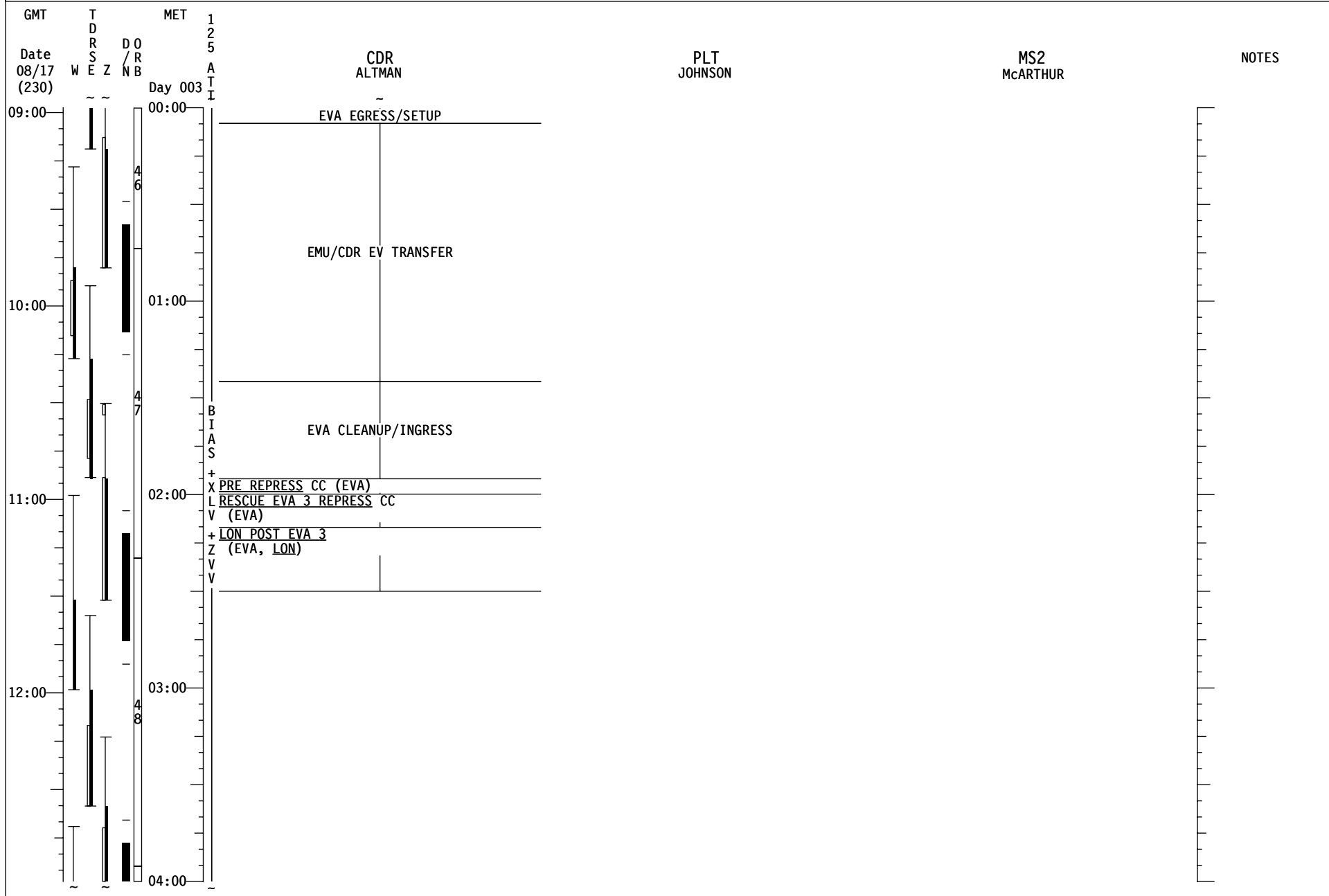
STS-400 (FD04)

GMT	T D R S E Z	MET	LON CDR	LON PLT	Notes
Date 08/17 (230)	W E Z	Day 003			
09:00	~	00:00			P/TV 04 EVA (PHOTO/TV, SCENES) Perform OPS
10:00		01:00			
11:00		02:00			
12:00		03:00			C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Setup & Align C/L Camera
		04:00			
			STIS-125 RELEASE PREP (RNDZ, STS-400 RNDZ T/L)	STIS-125 RELEASE PREP (RNDZ, STS-400 RNDZ T/L)	UPLINK 021 + Mask Box 21
			PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD),10,9, 6 (Triple G2 NBAT 1233),5-	PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD),10,9, 6 (Triple G2 NBAT 1233),5-	

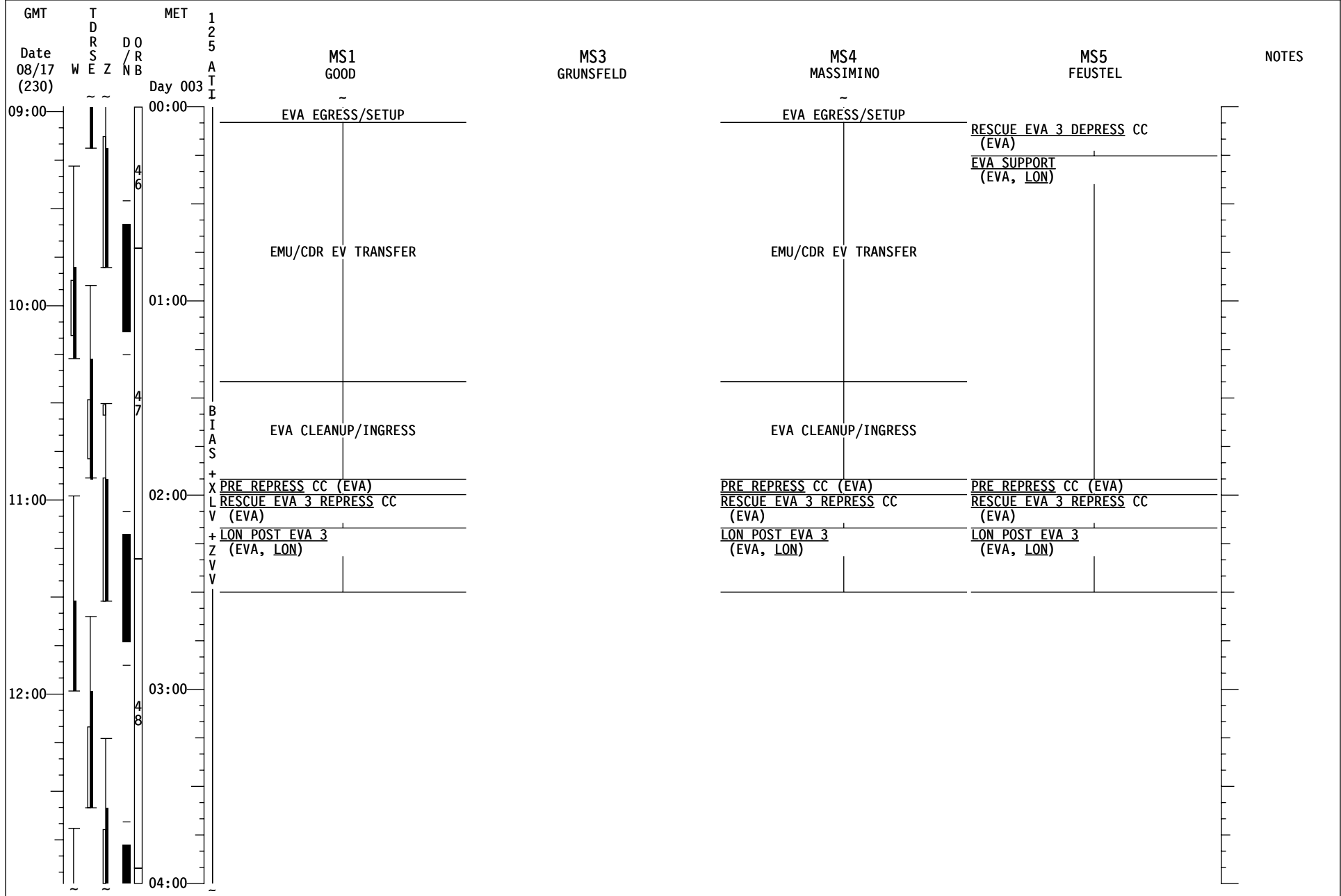
STS-400 (FD04)



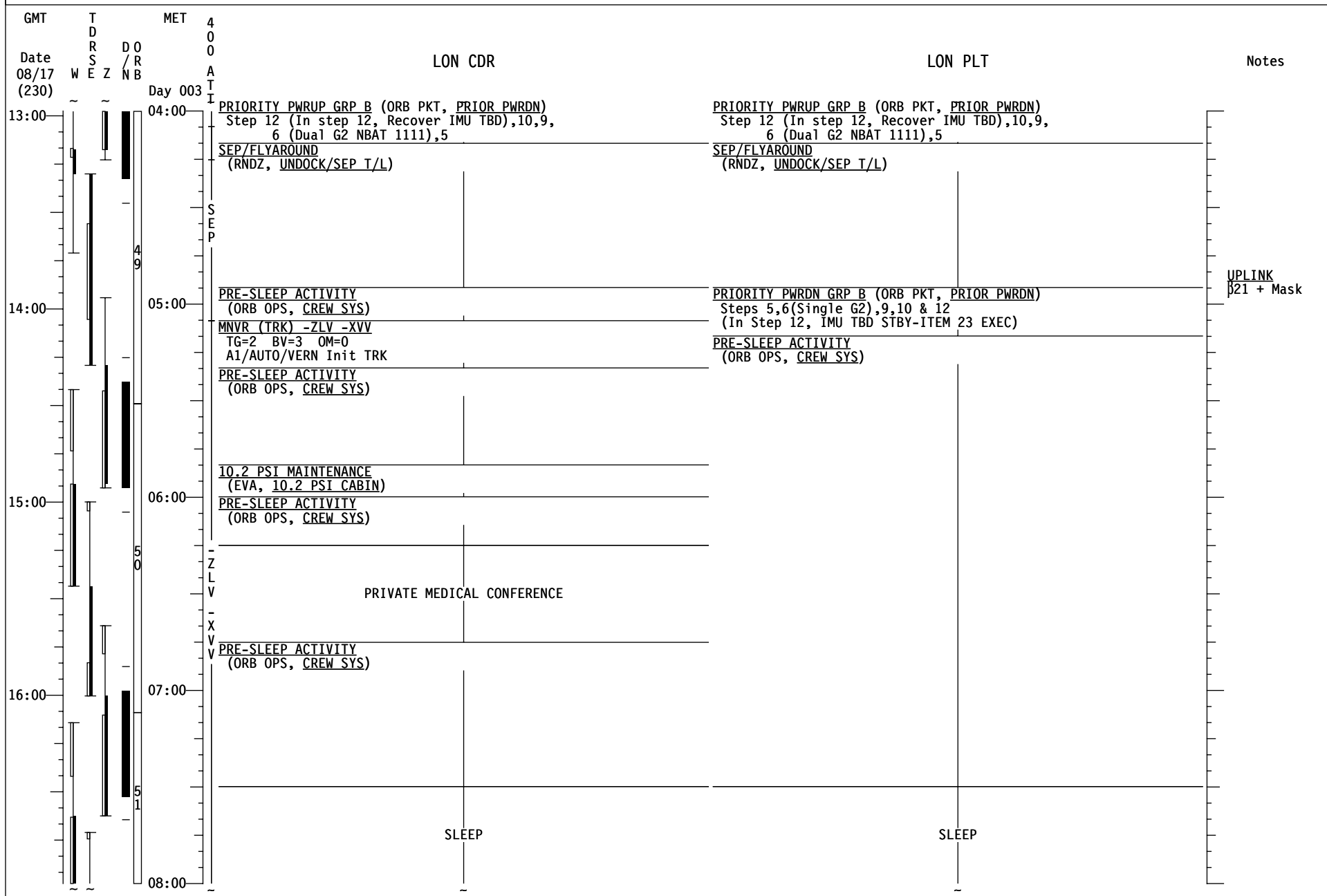
STS-125 (FD04)



STS-125 (FD04)



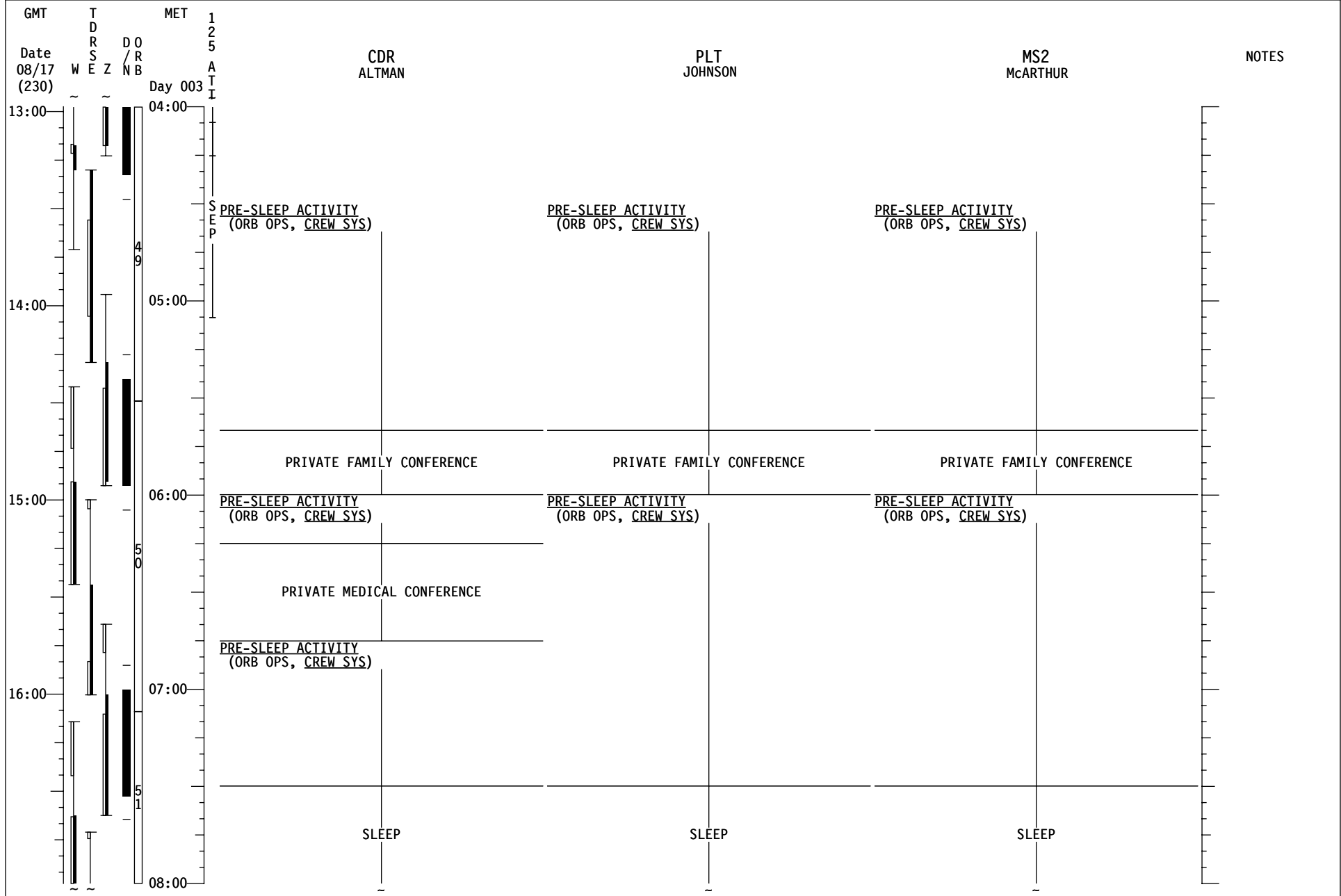
STS-400 (FD04)



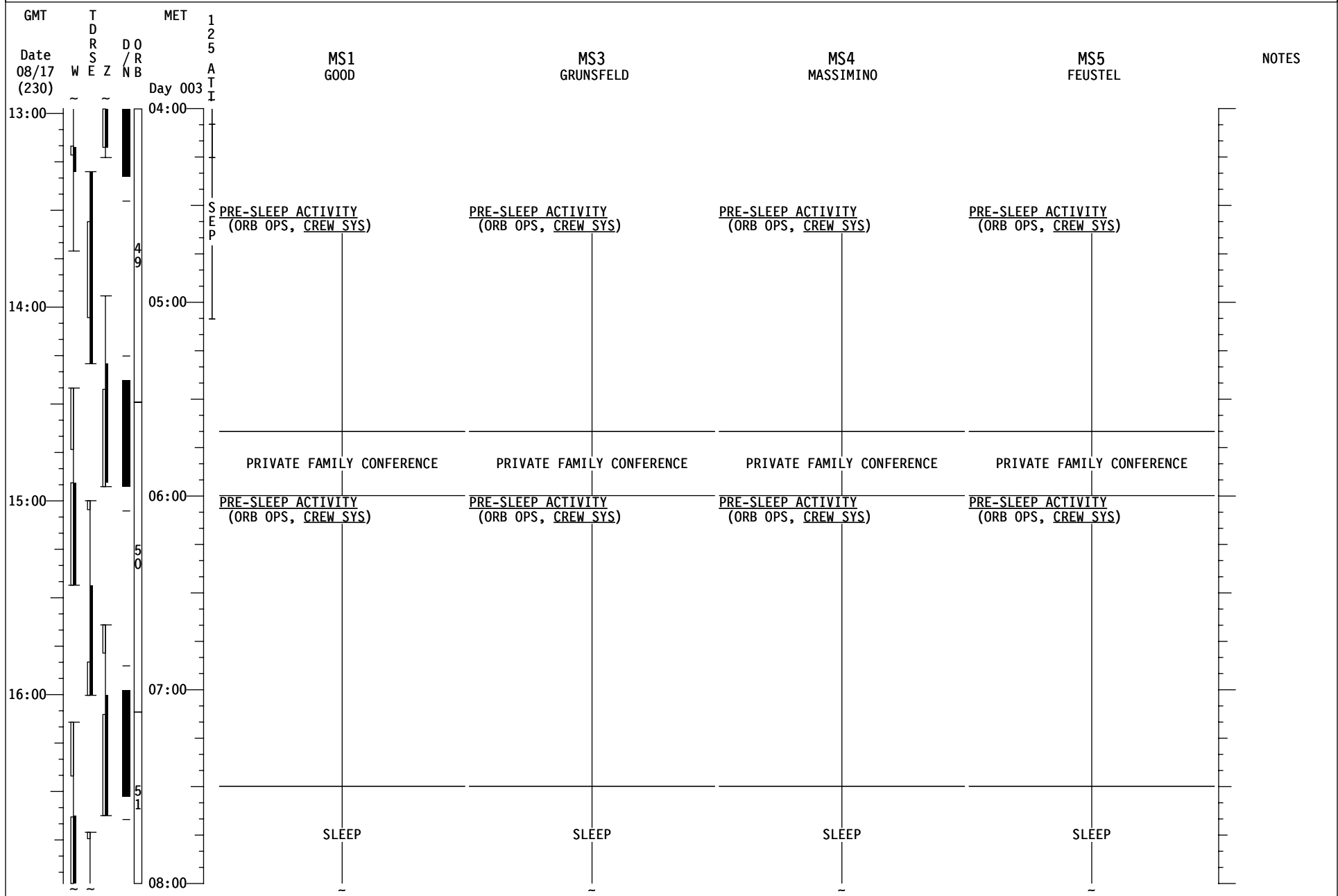
STS-400 (FD04)

GMT	T D R S E Z	MET	4 0 0 A T T	LON MS1	LON MS2	Notes
Date 08/17 (230)	W E Z	DO /R NB	Day 003			
13:00			04:00			
				P/TV03 EVA (PHOTO/TV, SCENES) Perform SETUP		
				P/TV 03 RELEASE (PHOTO/TV, SCENES) Perform SETUP & OPS	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
14:00			05:00	POST RELEASE PGSC CONFIG Configure PGSCs	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2 NBAT 1111),9,10 & 12 (In Step 12, IMU TBD STBY-ITEM 23 EXEC)	
					RMS PWRDN (PDRS, RMS PWRDN)	
				WLES RNDZ/DEPLOY RECOVERY (ORB OPS, WLES PROC)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
15:00			06:00			
16:00			07:00			
				SLEEP	SLEEP	
08:00						

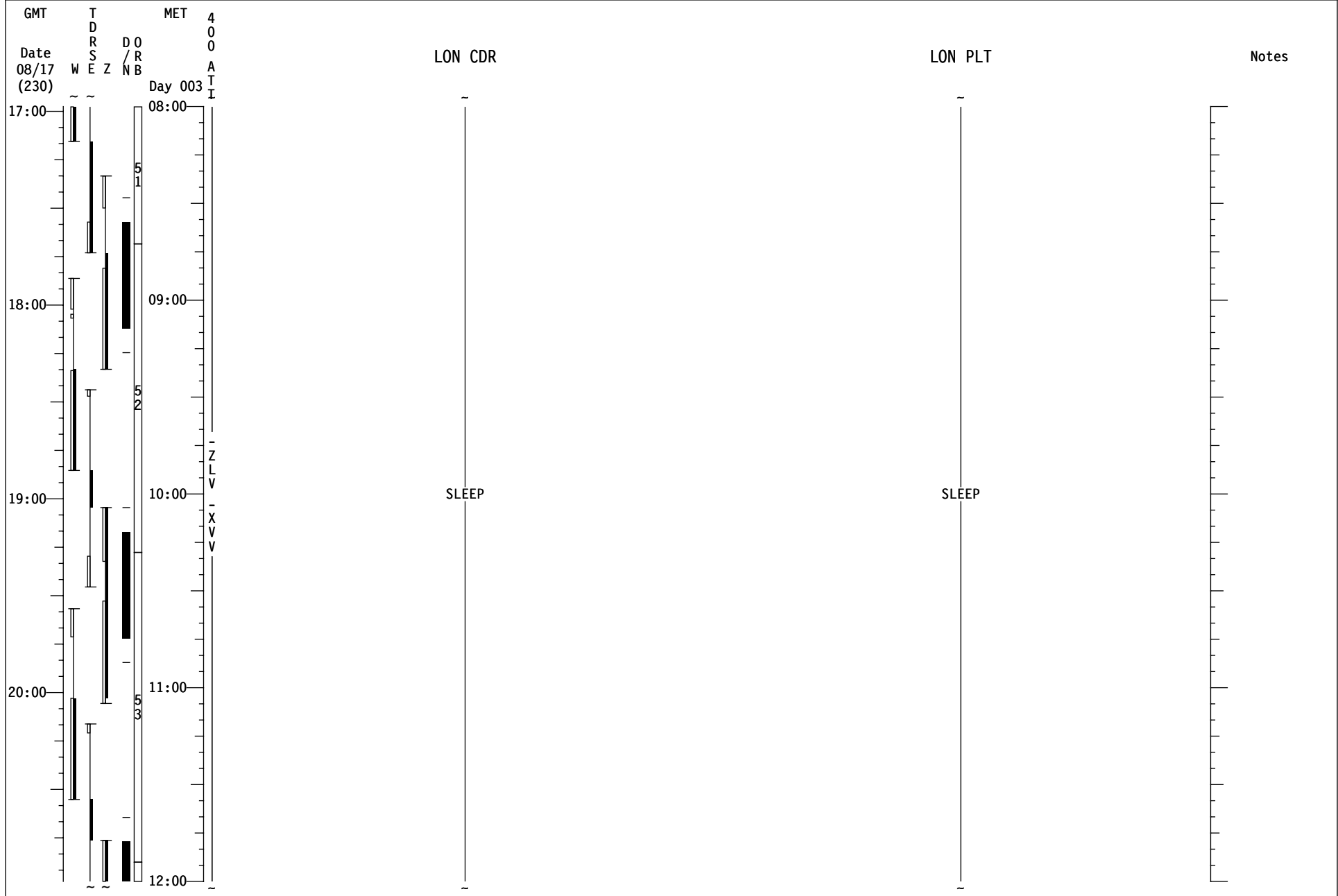
STS-125 (FD04)



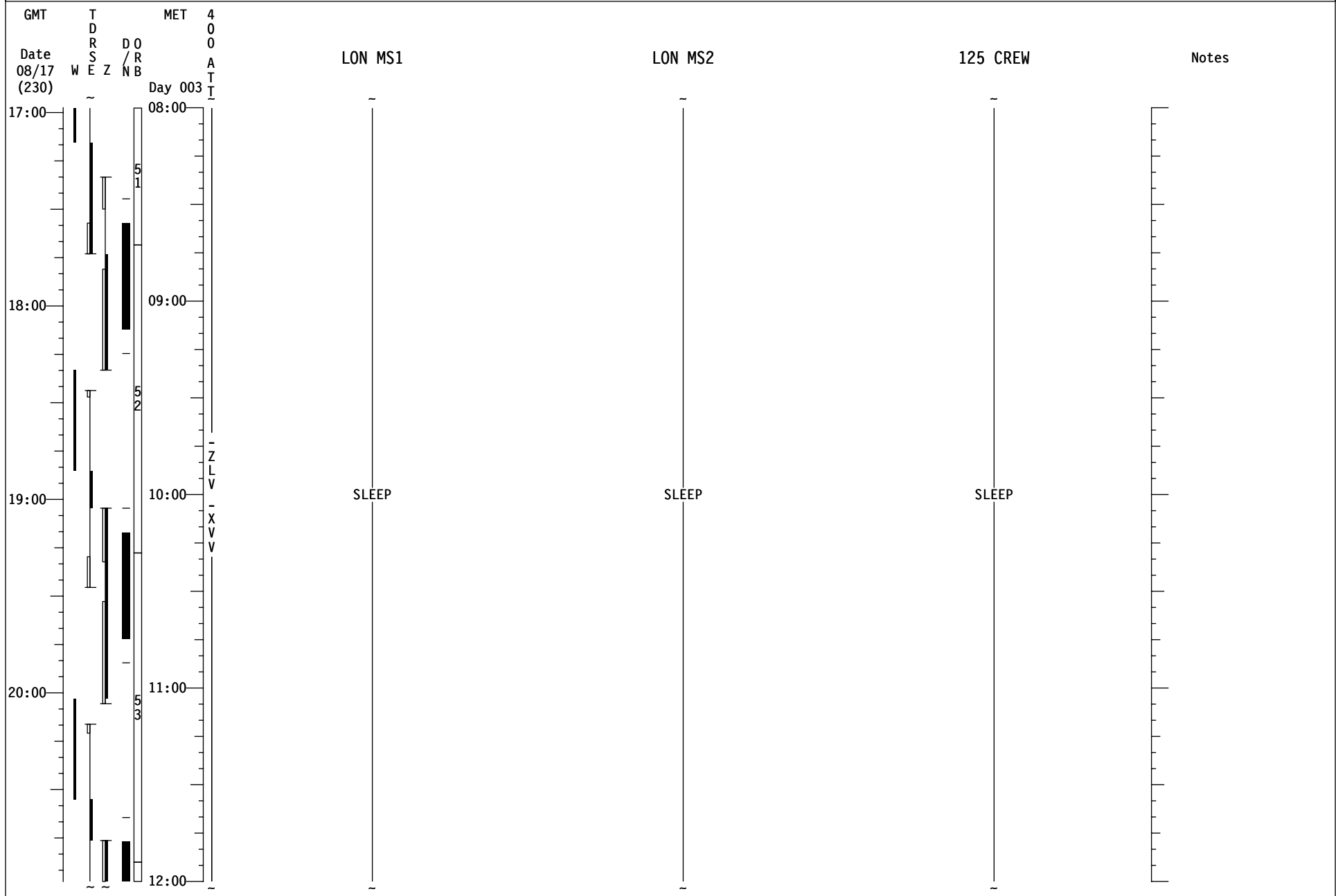
STS-125 (FD04)



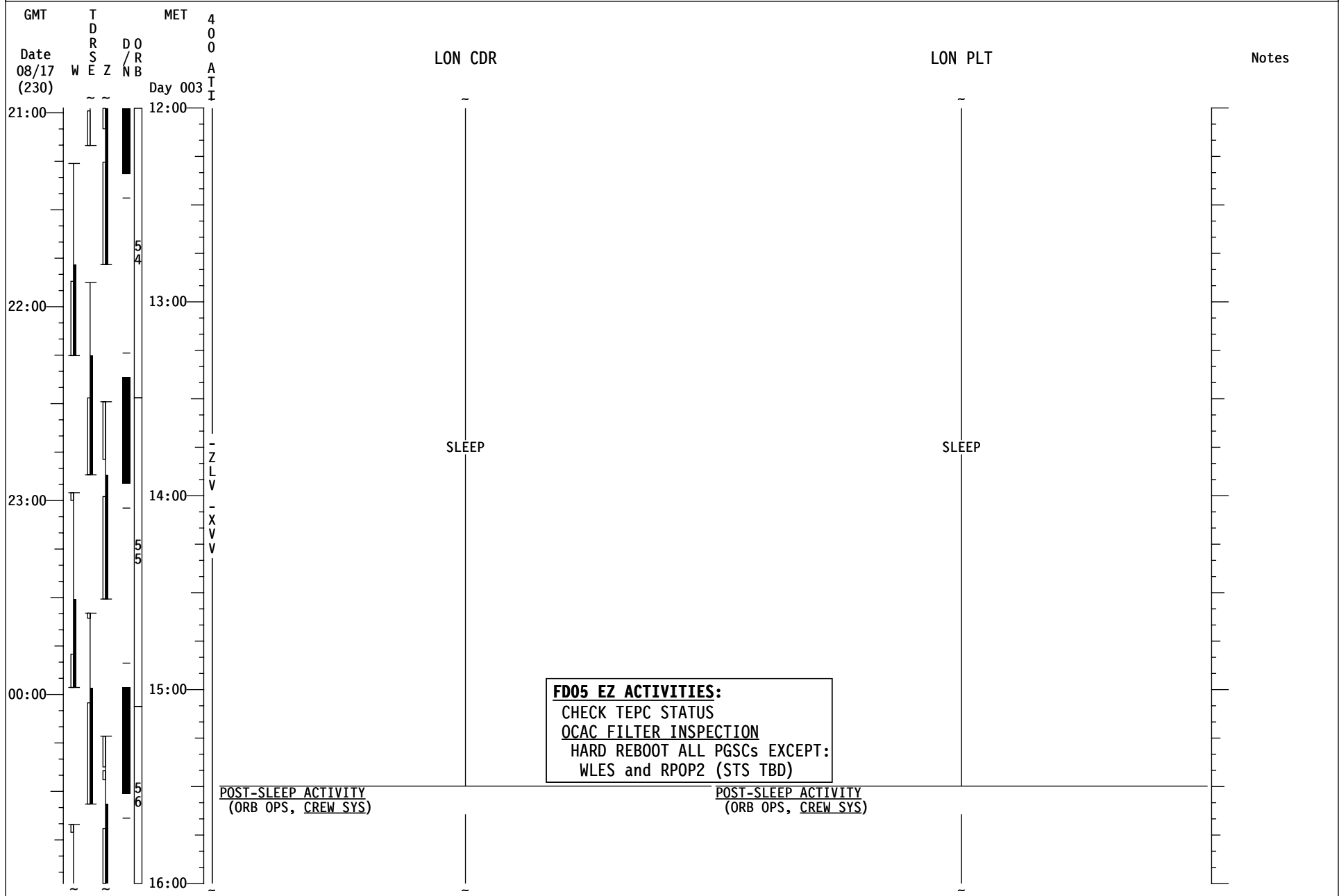
STS-400 (FD04)



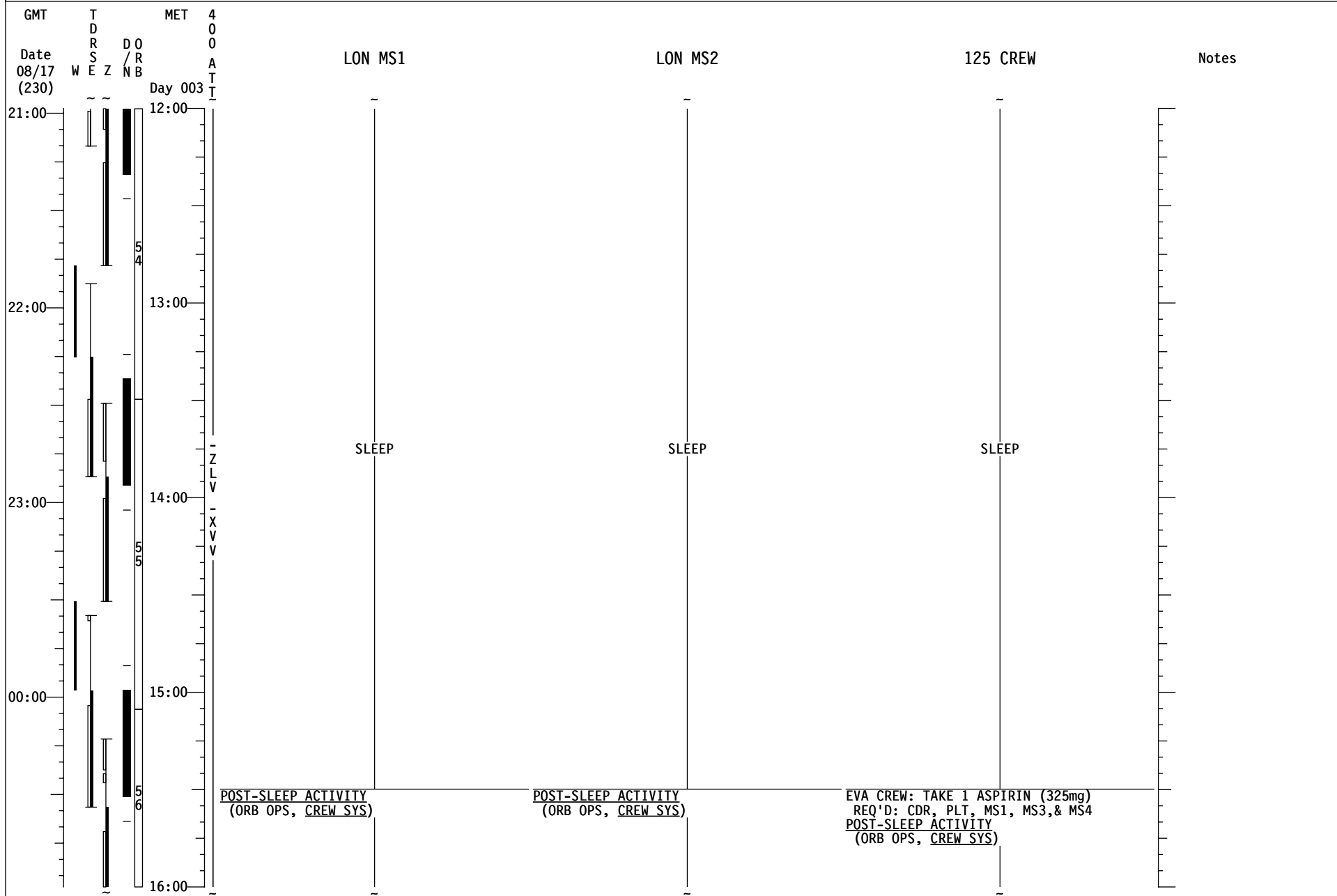
STS-400 (FD 04)



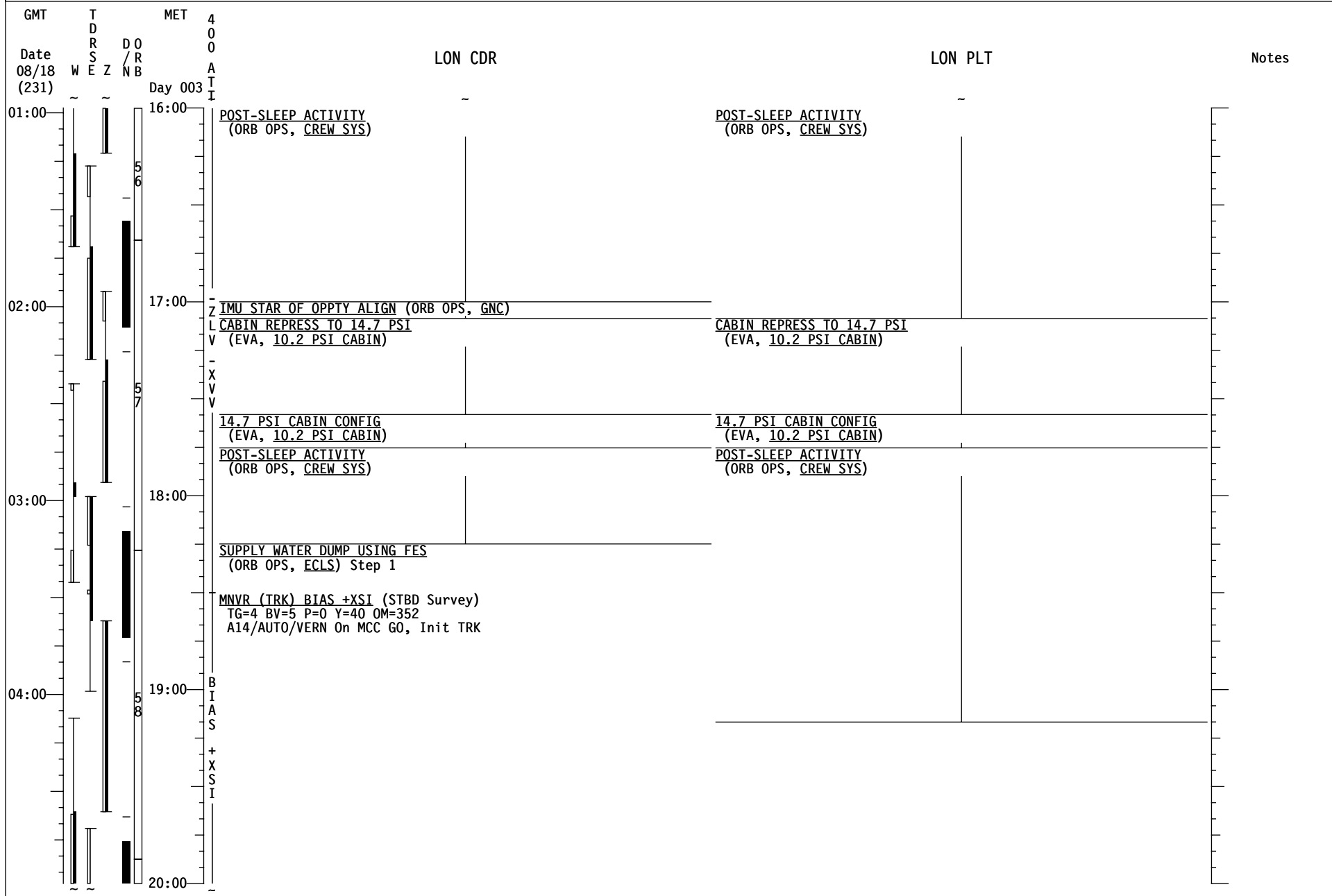
STS-400 (FD05)



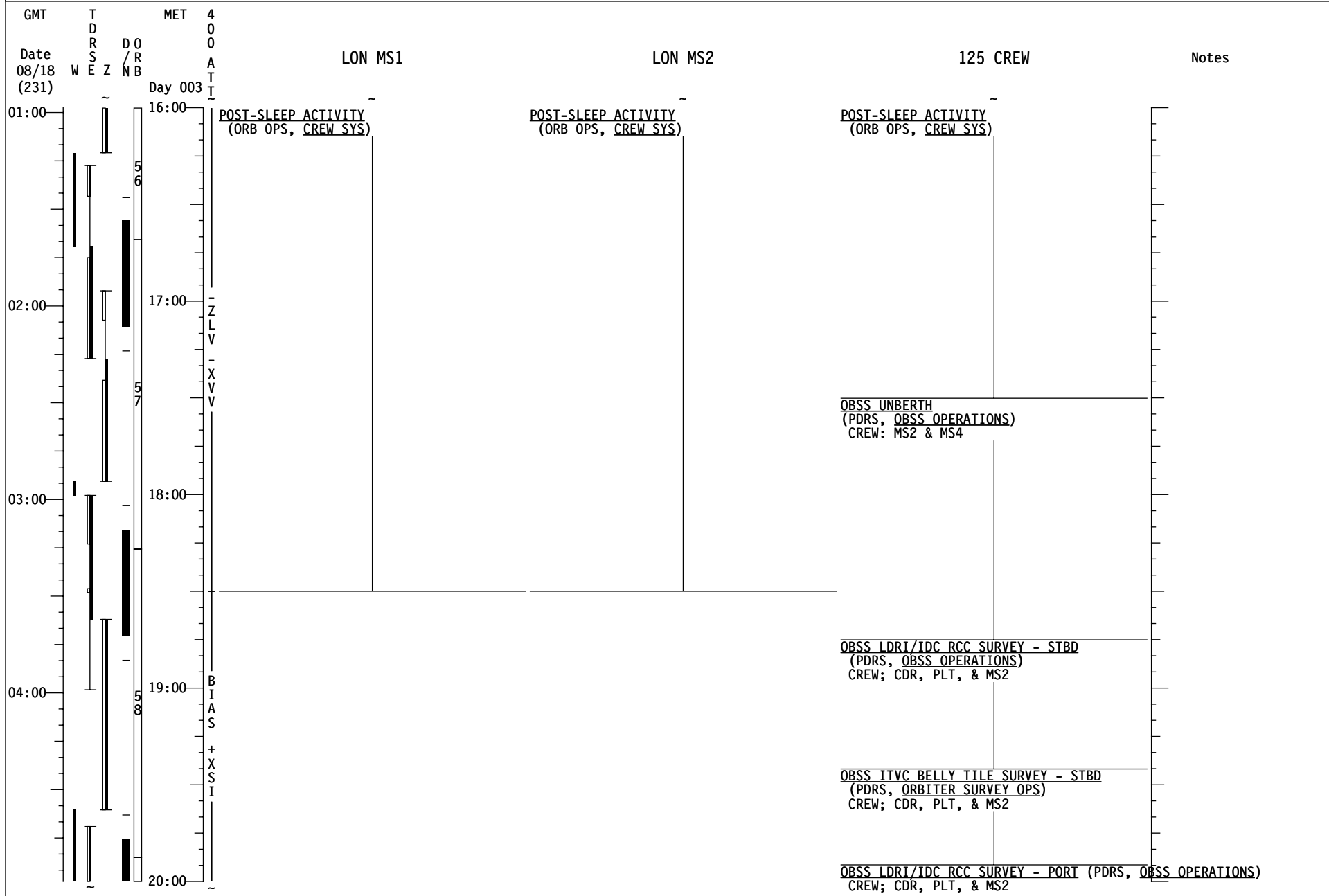
STS-400 (FD05)



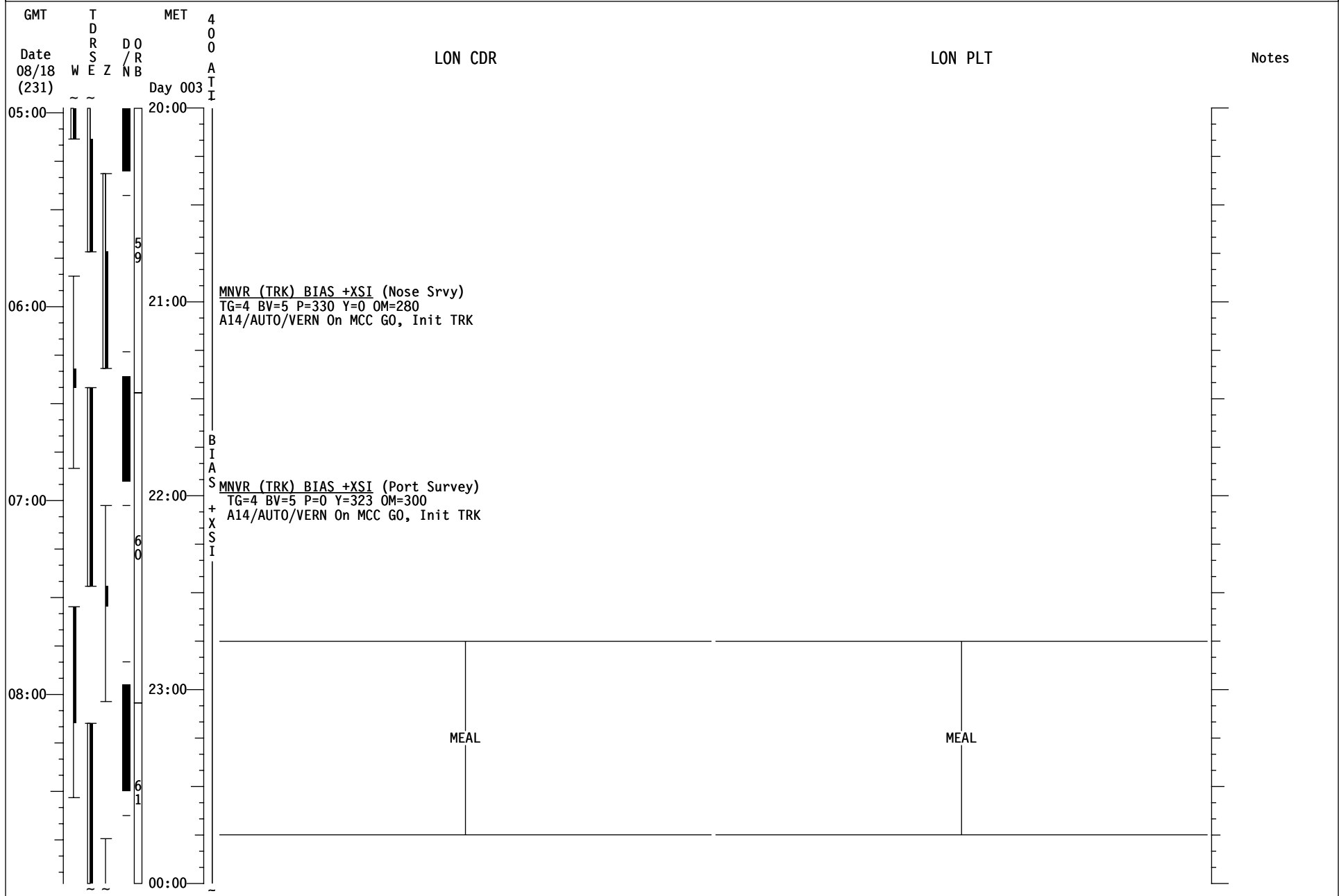
STS-400 (FD05)



STS-400 (FD05)



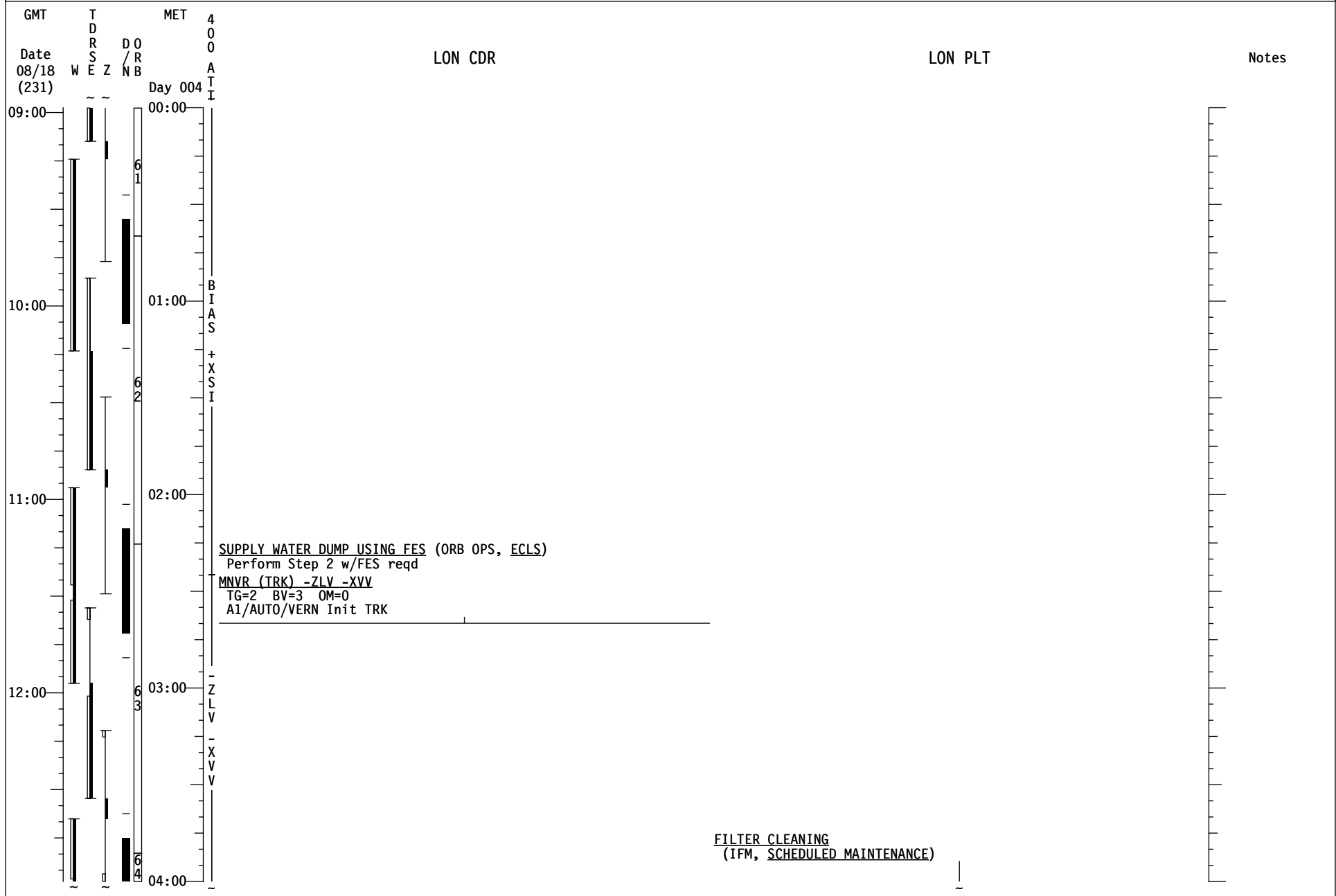
STS-400 (FD05)



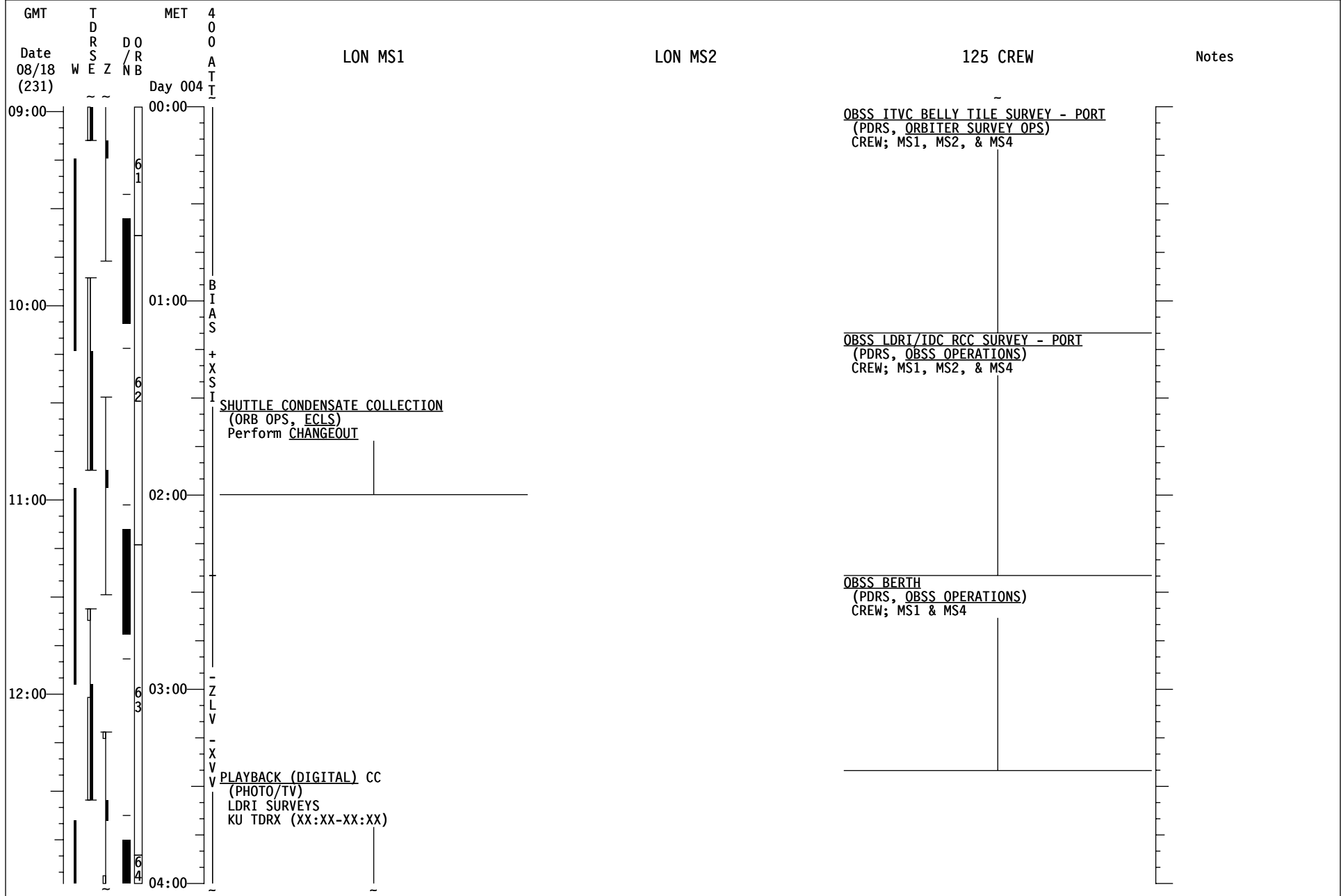
STS-400 (FD05)

GMT	T D R S W E Z	MET 4 0 0 A T I	LON MS1	LON MS2	125 CREW	Notes
Date 08/18 (231)		Day 003				
05:00		20:00				OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) CREW; CDR, PLT, & MS2
06:00		21:00				OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS) CREW; CDR, PLT, & MS1
07:00		22:00				OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) CREW; MS1, MS2, & MS4
08:00		23:00	MEAL	MEAL	MEAL	
		00:00				OBSS ITVC BELLY TILE SURVEY - PORT (PDRS, ORBITER SURVEY OPS) CREW; MS1, MS2, & MS4

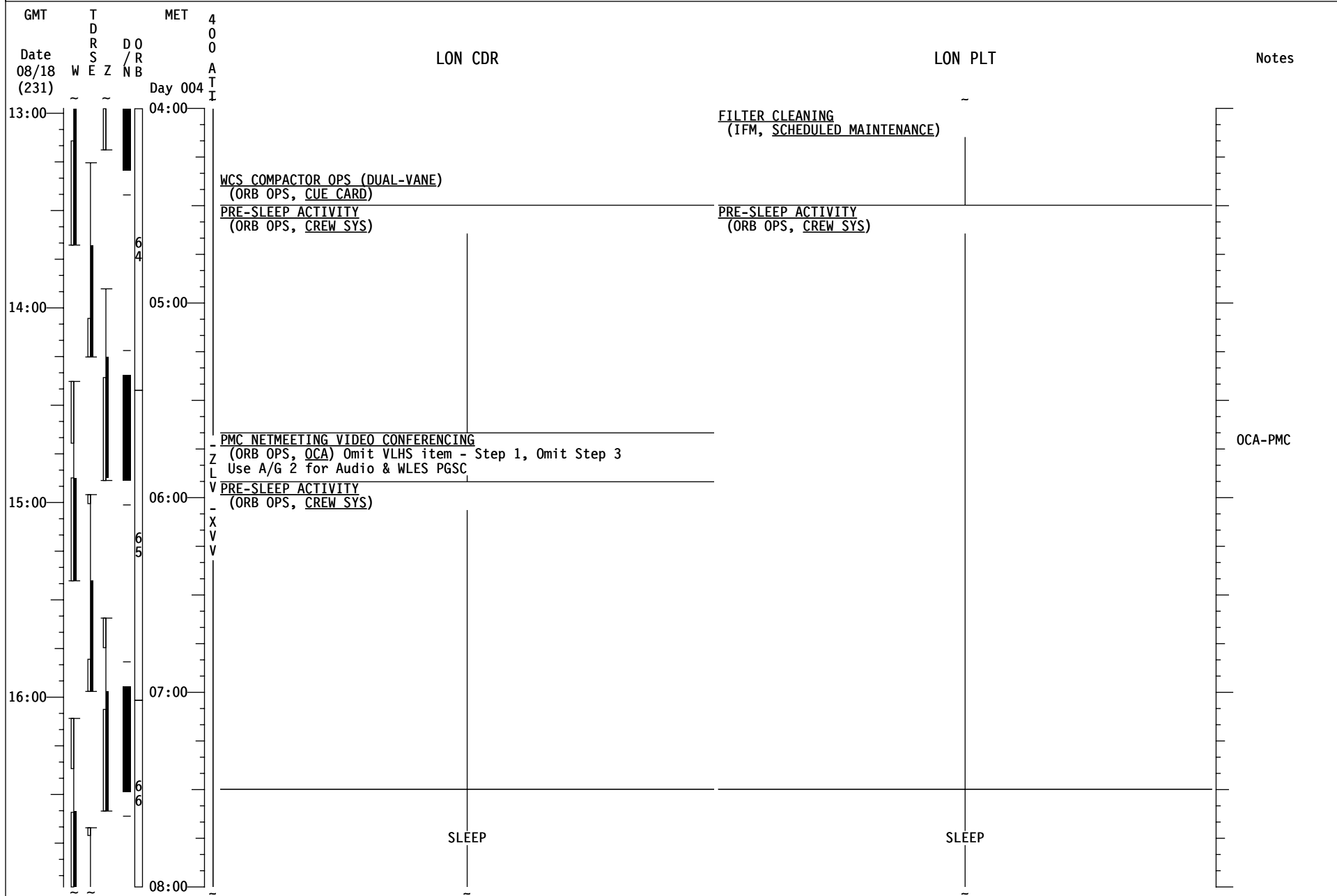
STS-400 (FD05)



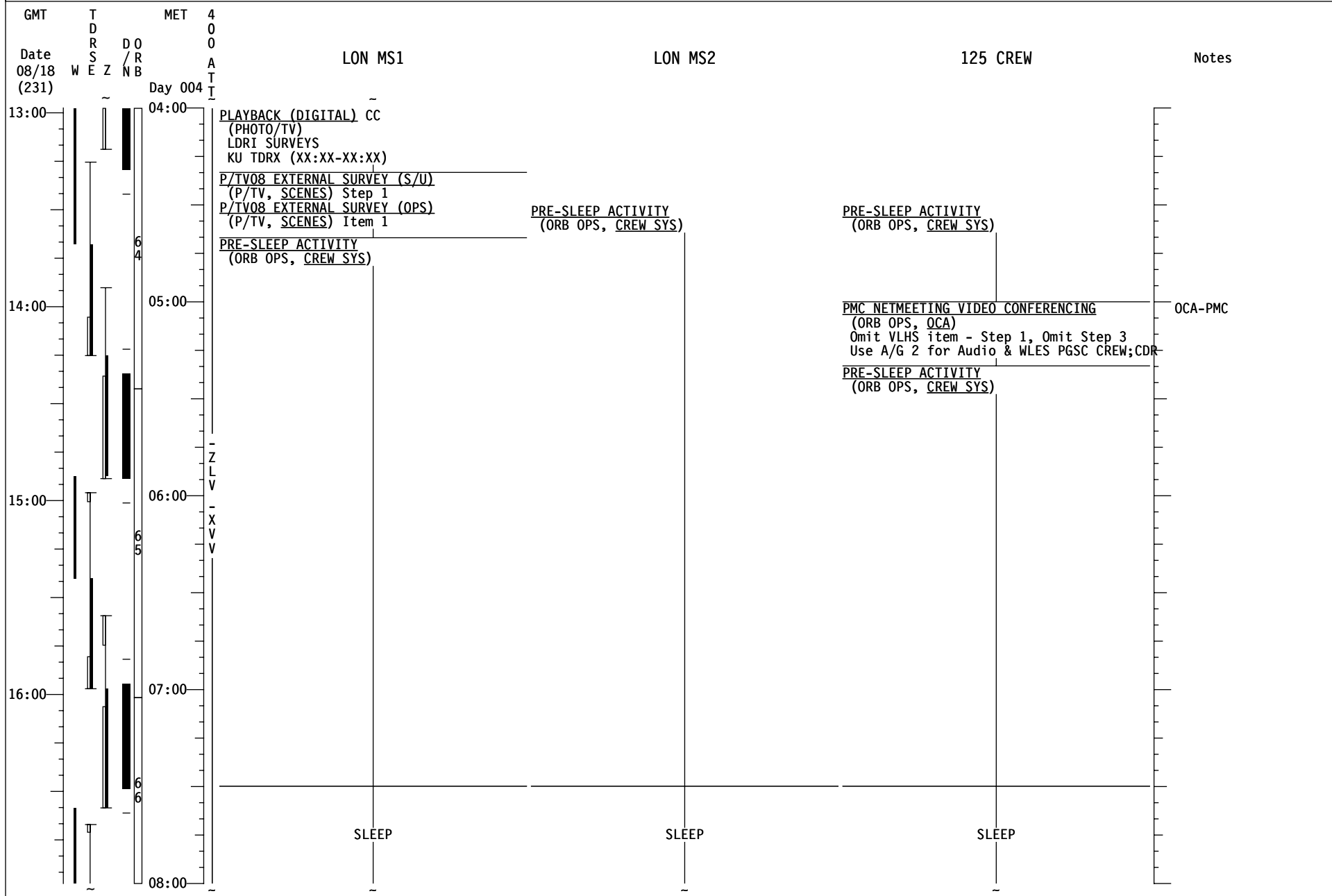
STS-400 (FD05)



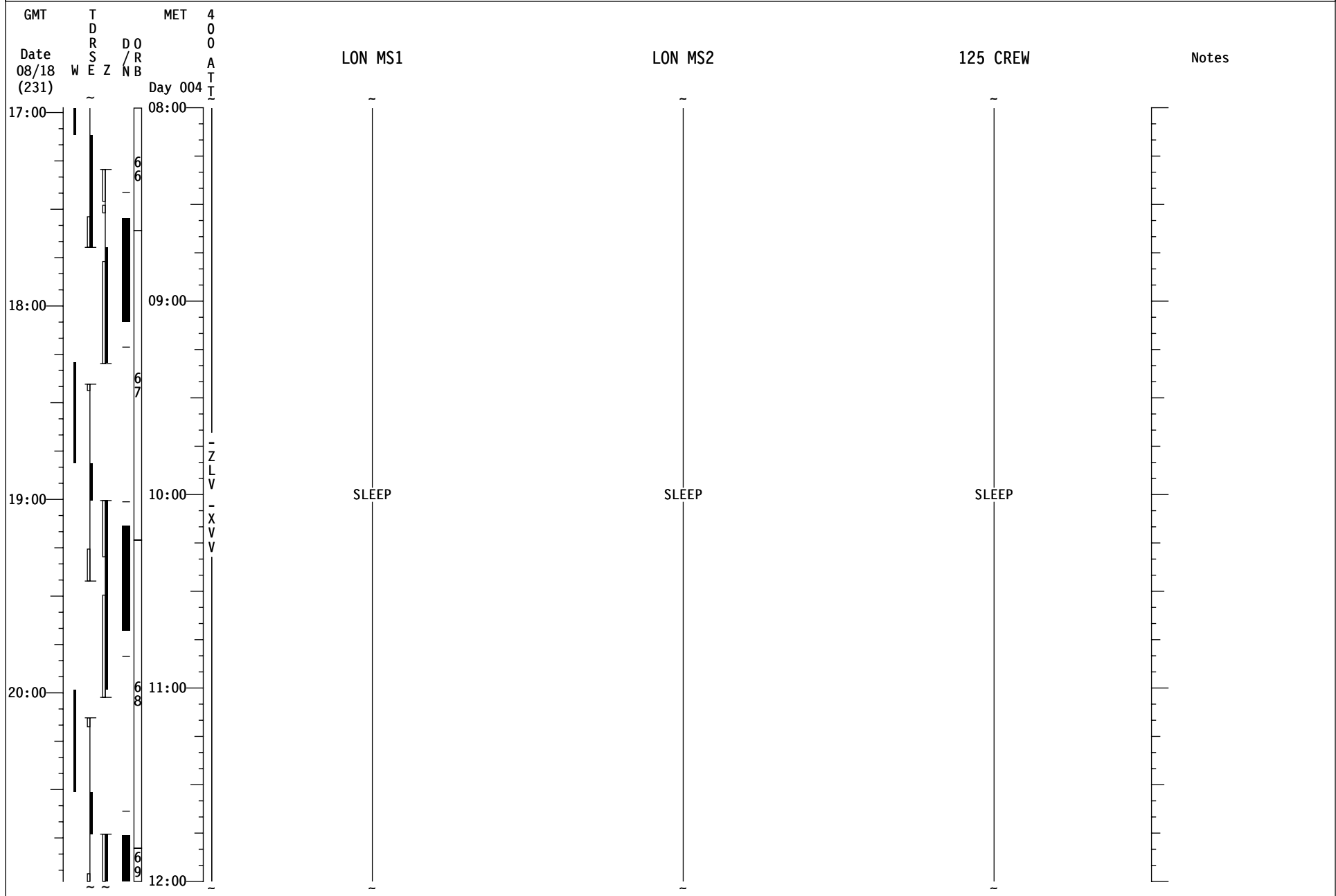
STS-400 (FD05)



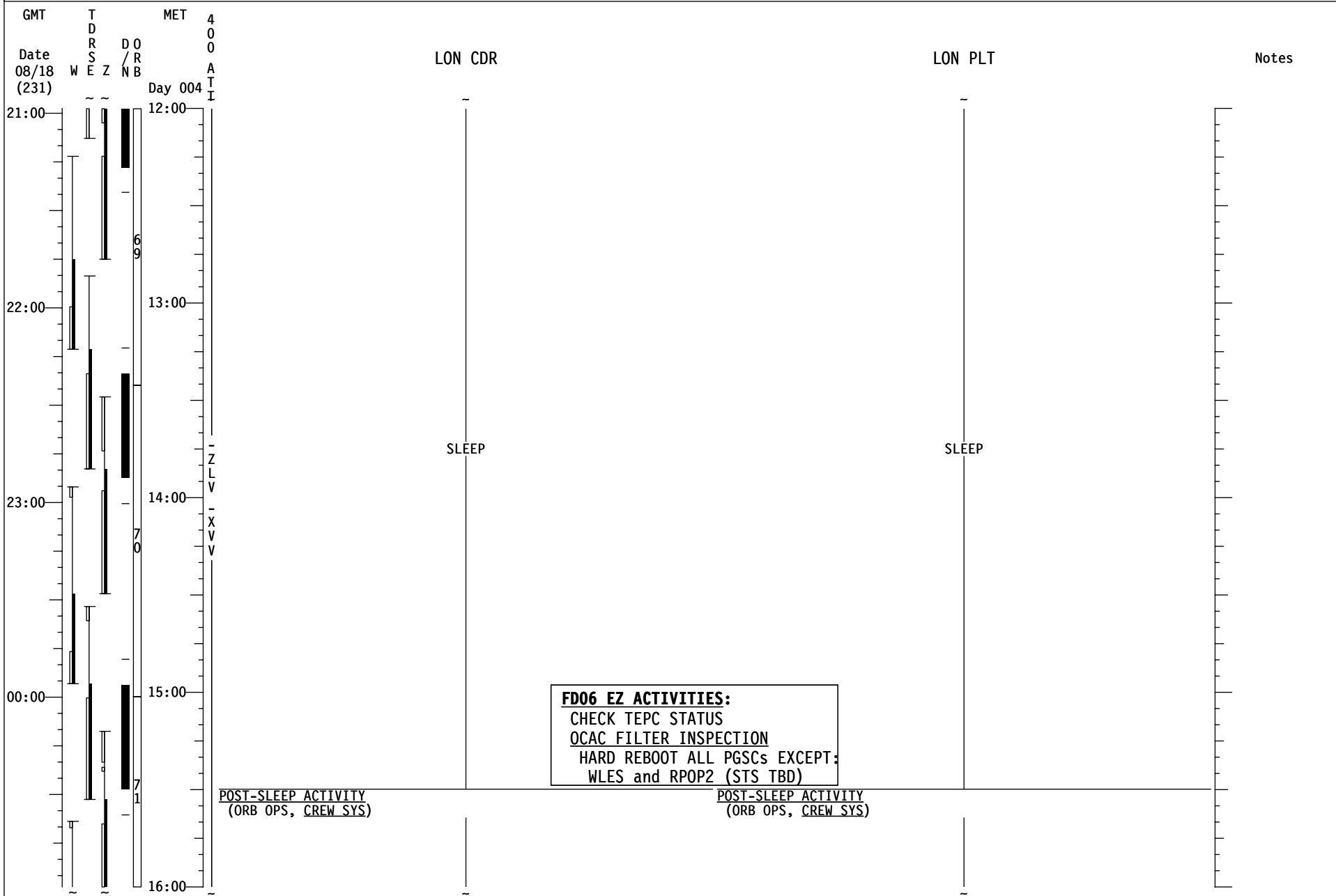
STS-400 (FD05)



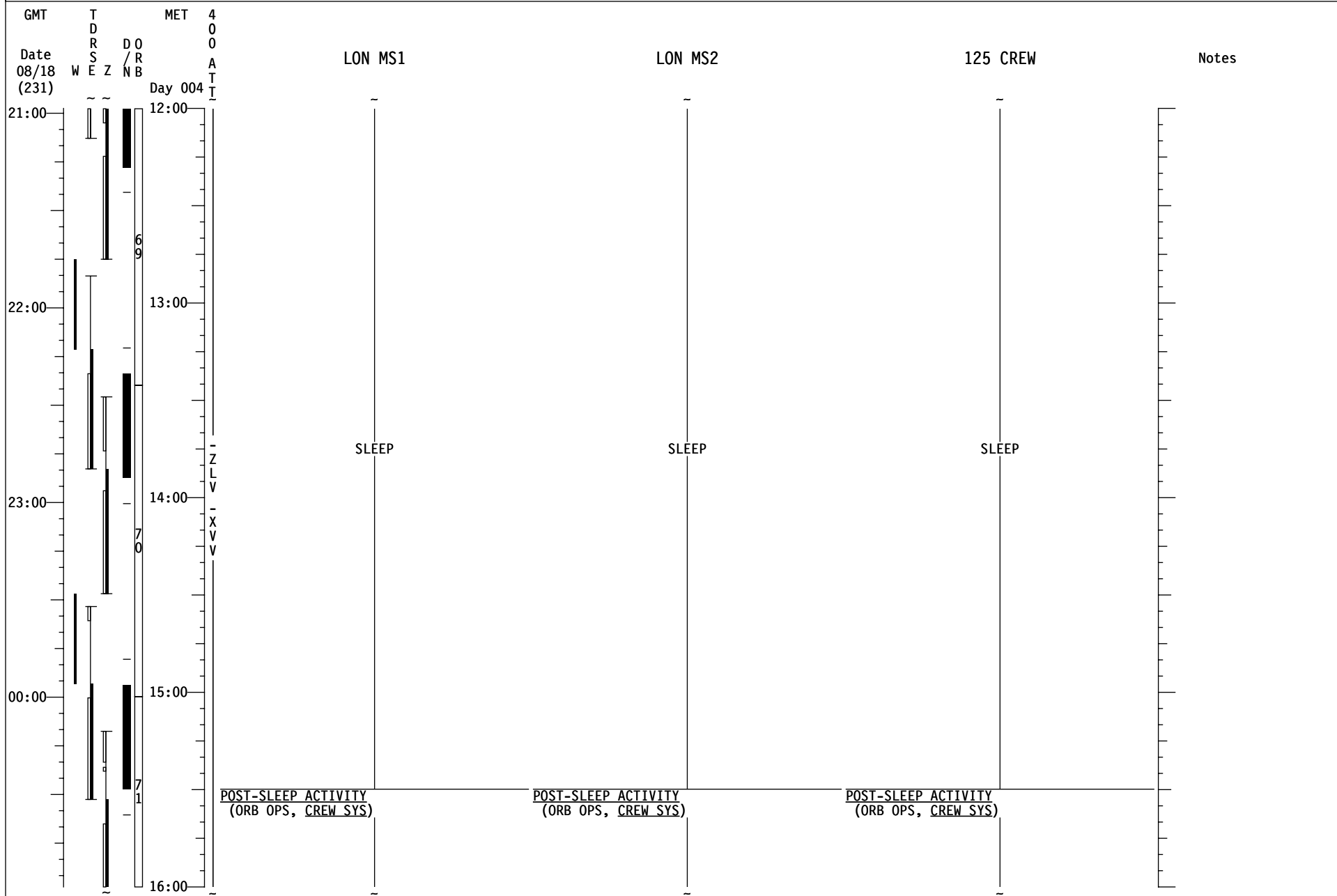
STS-400 (FD05)



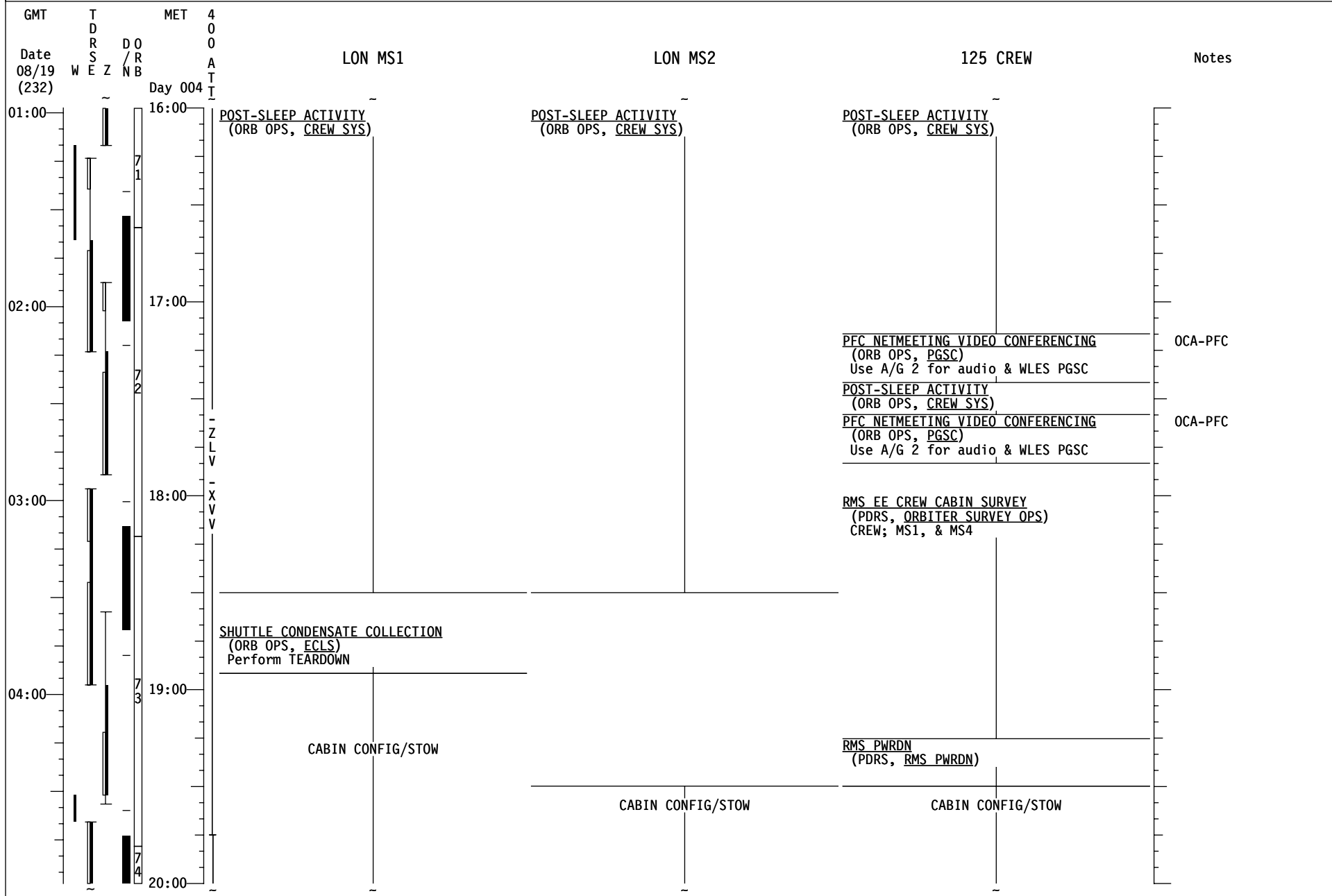
STS-400 (FD06)



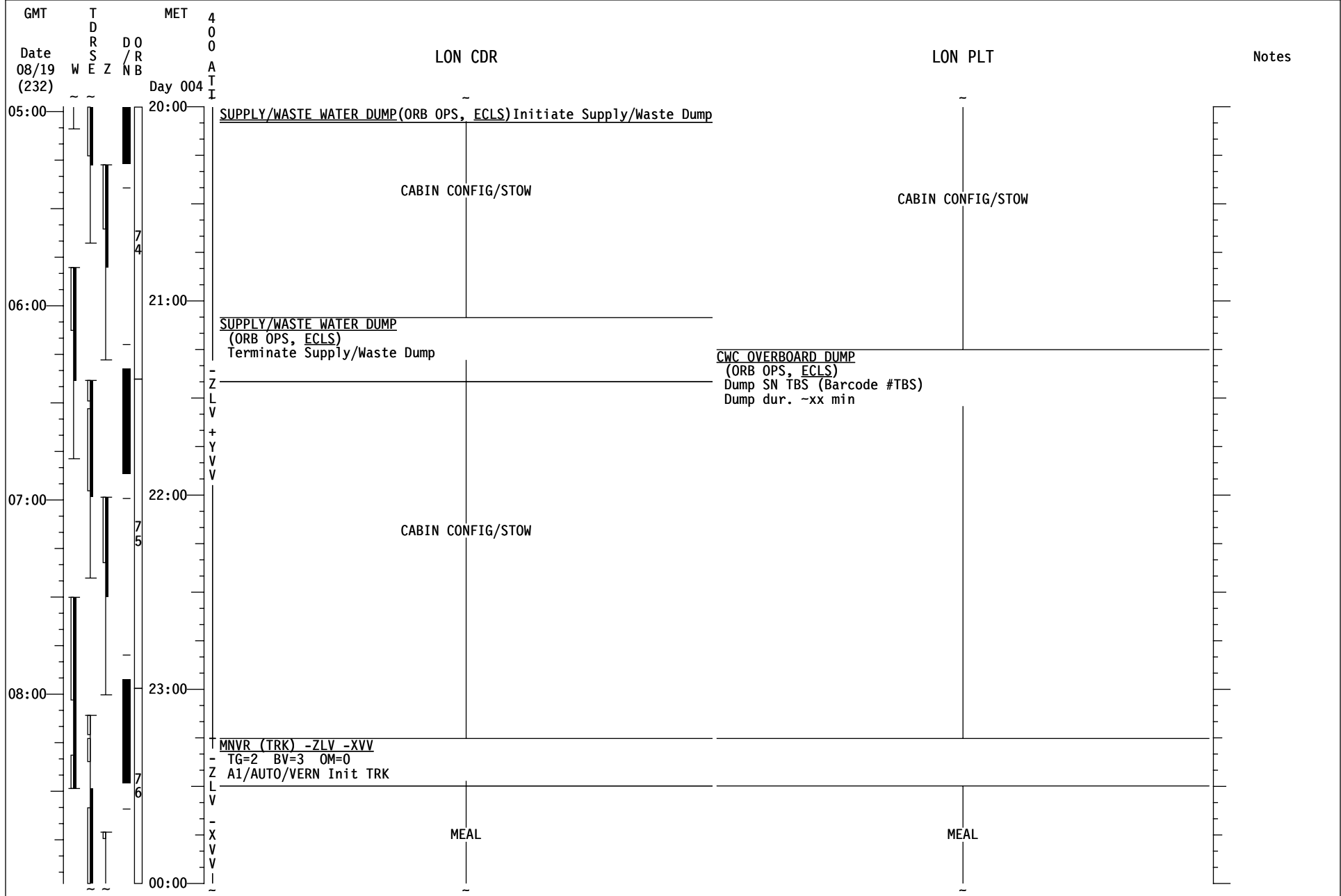
STS-400 (FD06)



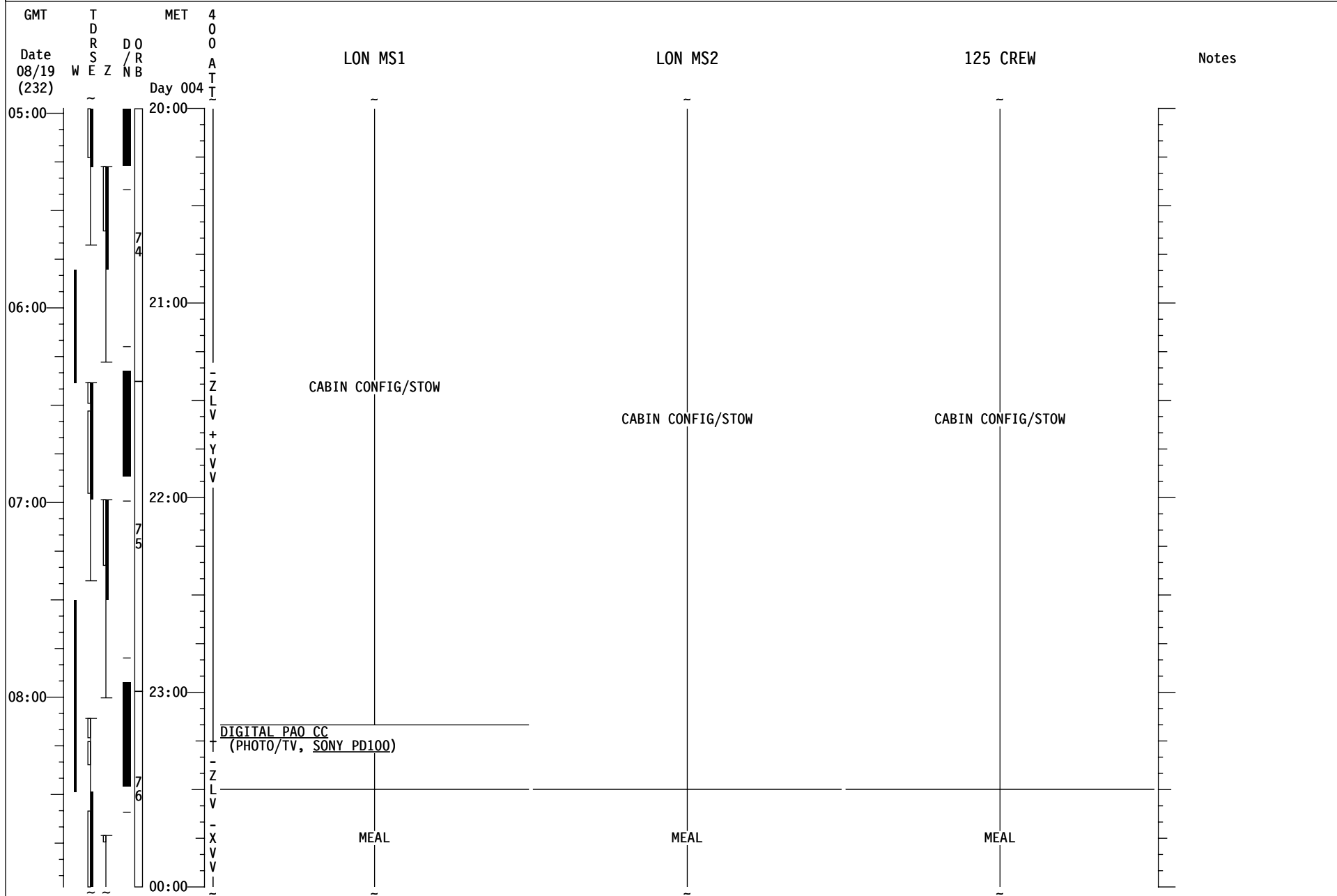
STS-400 (FD06)



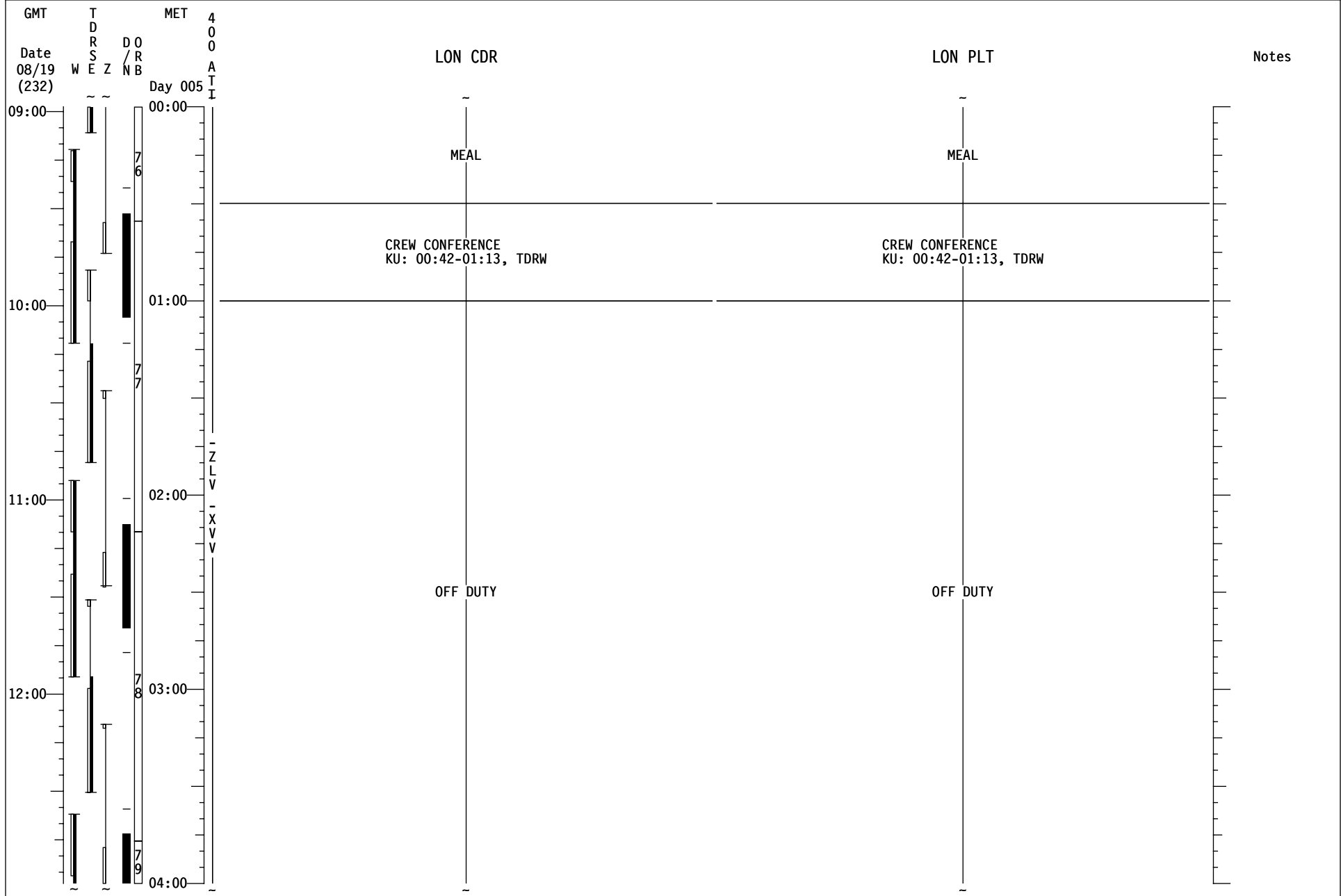
STS-400 (FD06)



STS-400 (FD06)



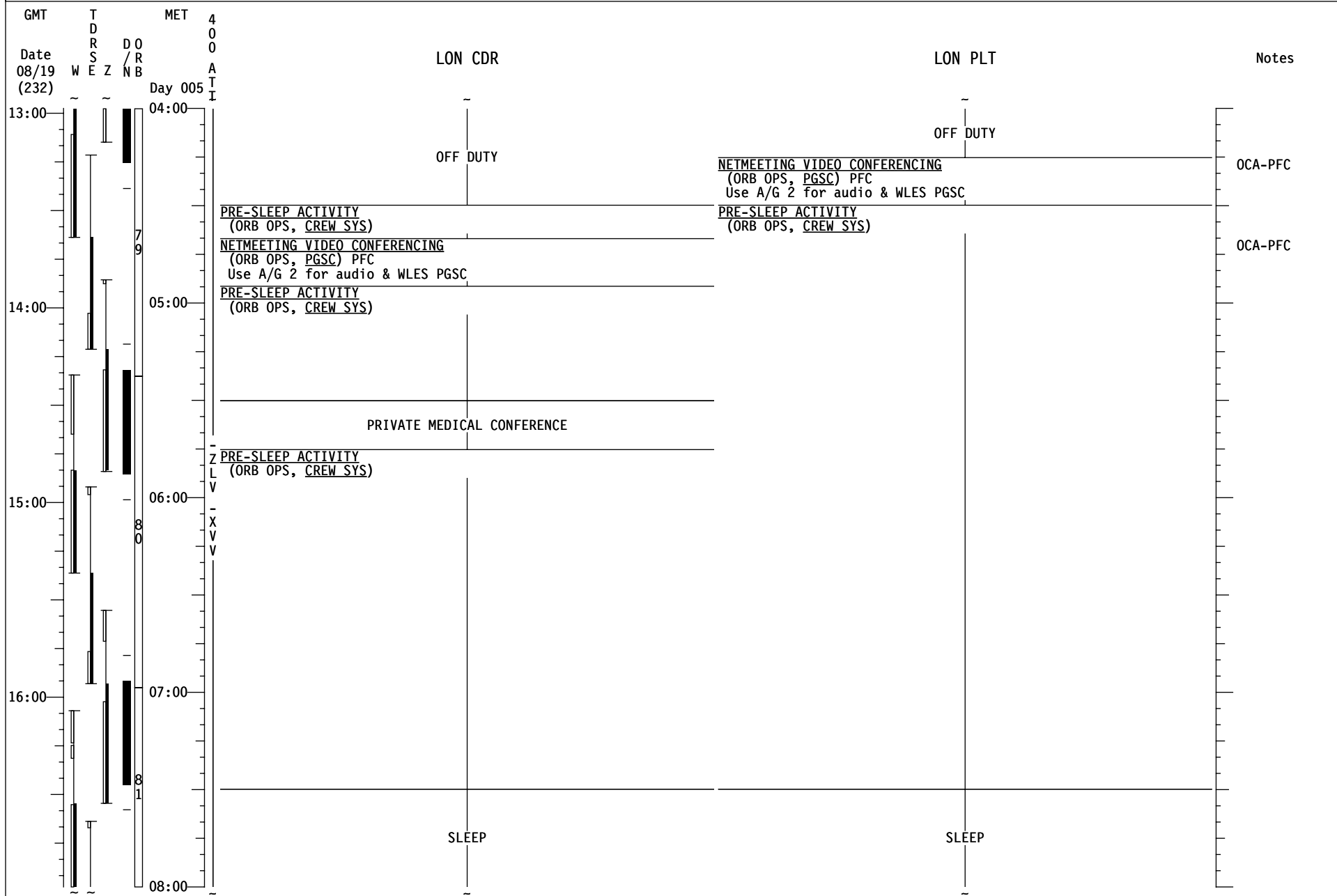
STS-400 (FD06)



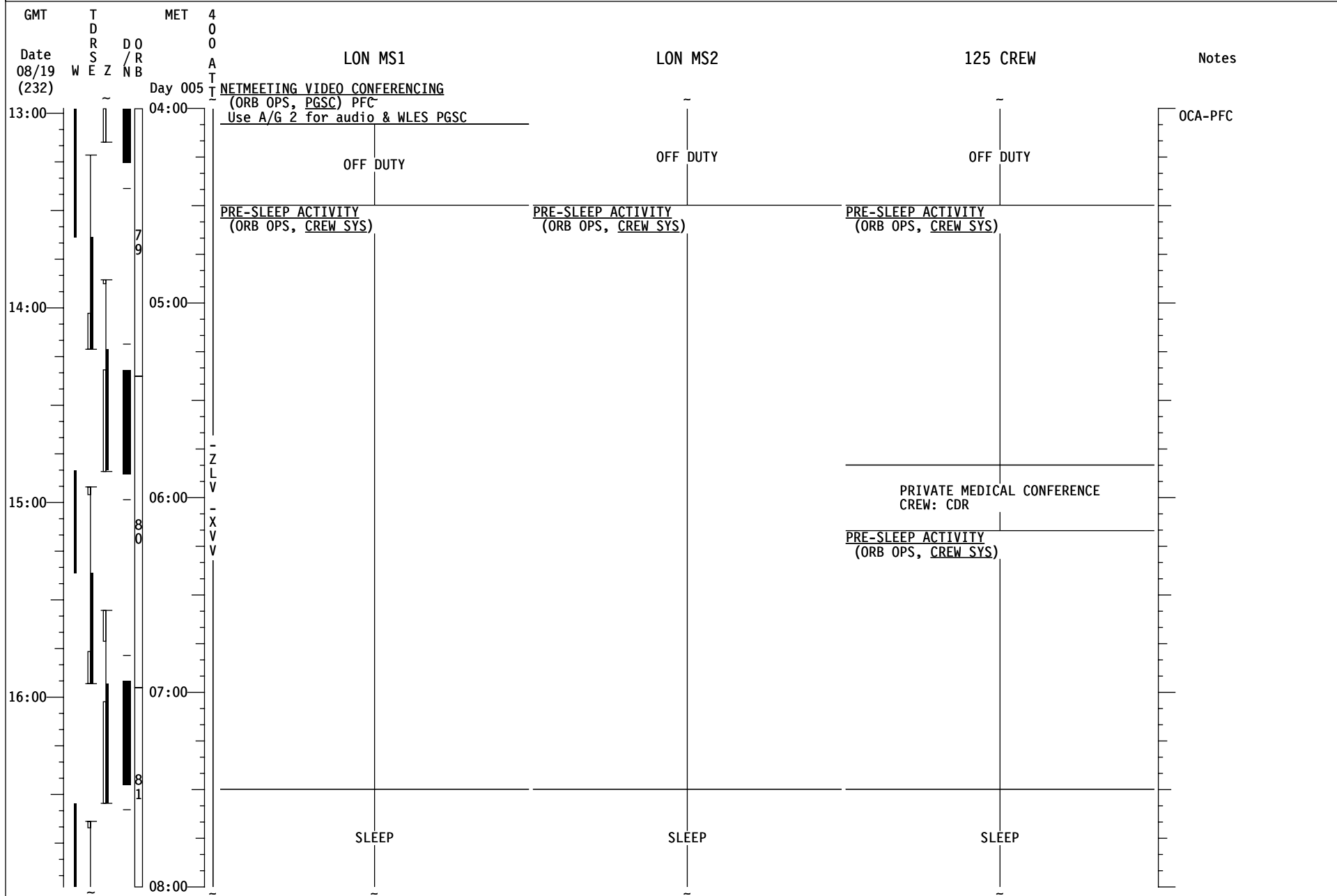
STS-400 (FD06)

GMT	T D R S E Z	MET	4 0 0	LON MS1	LON MS2	125 CREW	Notes
Date 08/19 (232)	W E Z	Day 005	00:00				
09:00				MEAL	MEAL	MEAL	
				CREW CONFERENCE KU: 00:42-01:13, TDRW	CREW CONFERENCE KU: 00:42-01:13, TDRW	CREW CONFERENCE KU: 00:42-01:13, TDRW	
10:00						OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
						OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
11:00					OFF DUTY	OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
				OFF DUTY		OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
12:00						OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
					<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC		OCA-PFC
					OFF DUTY	OFF DUTY	
						<u>NETMEETING VIDEO CONFERENCING</u> (ORB OPS, PGSC) PFC Use A/G 2 for audio & WLES PGSC	OCA-PFC
04:00							

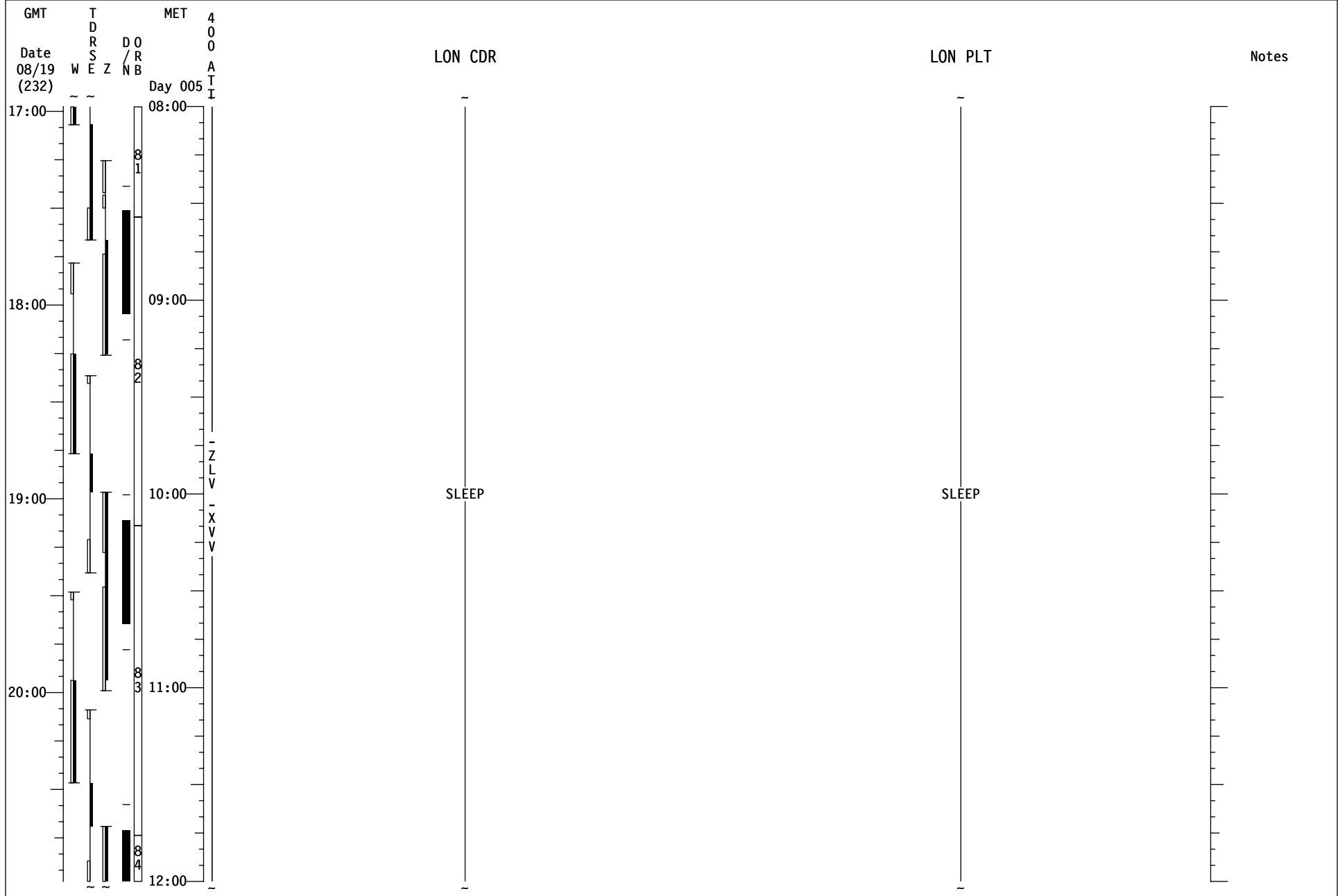
STS-400 (FD06)



STS-400 (FD06)



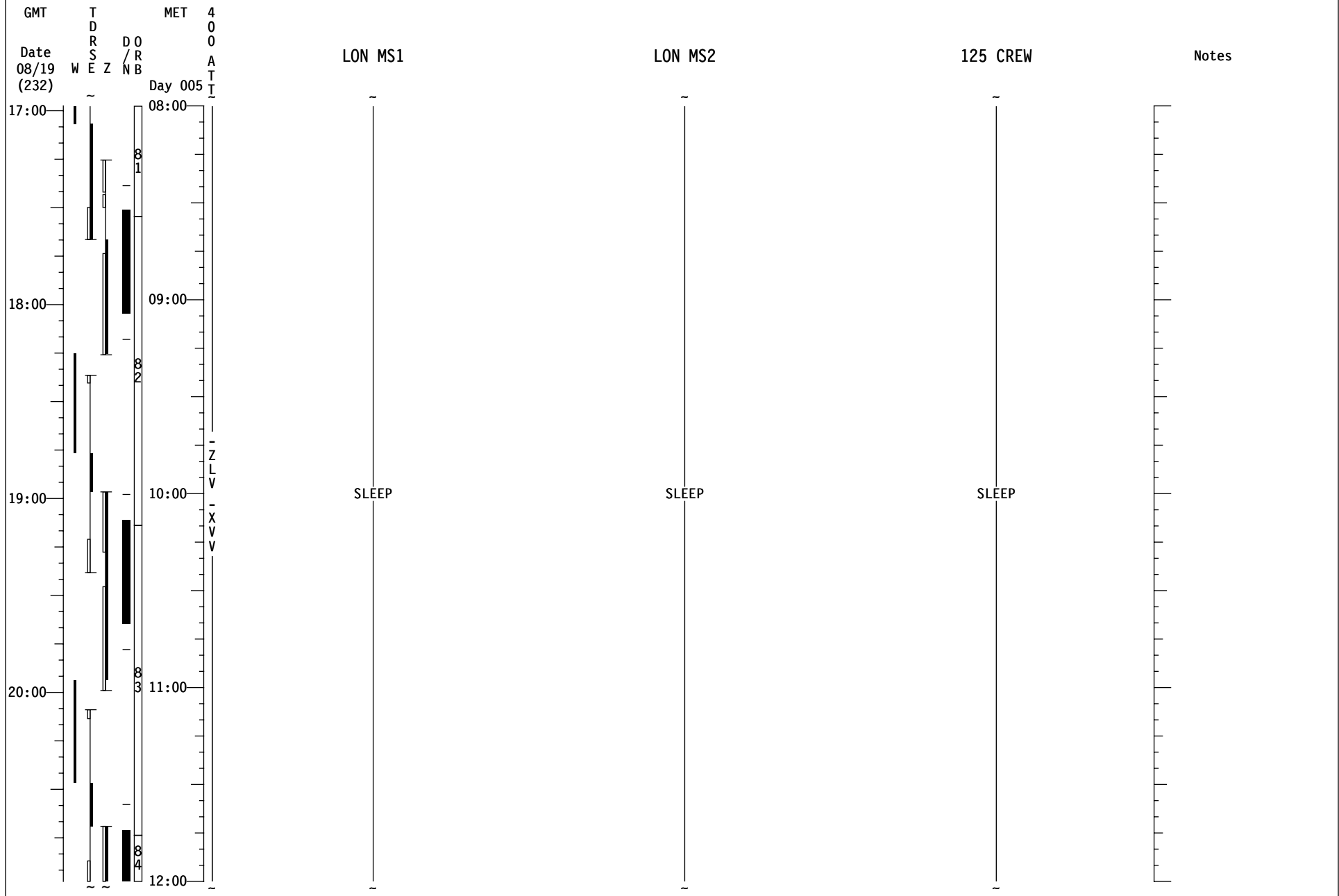
STS-400 (FD06)



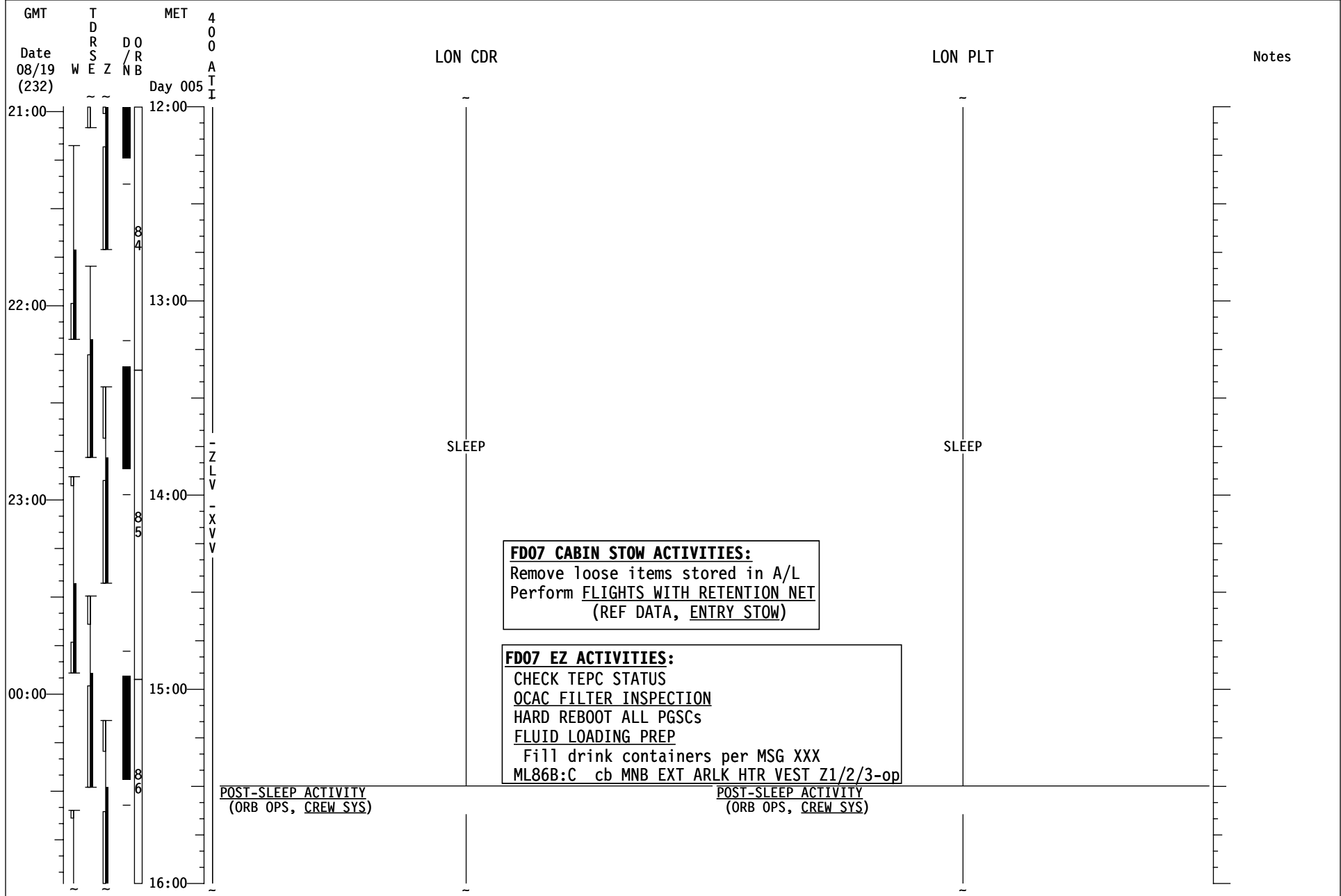
3-100

FLT PLN/400/BAS

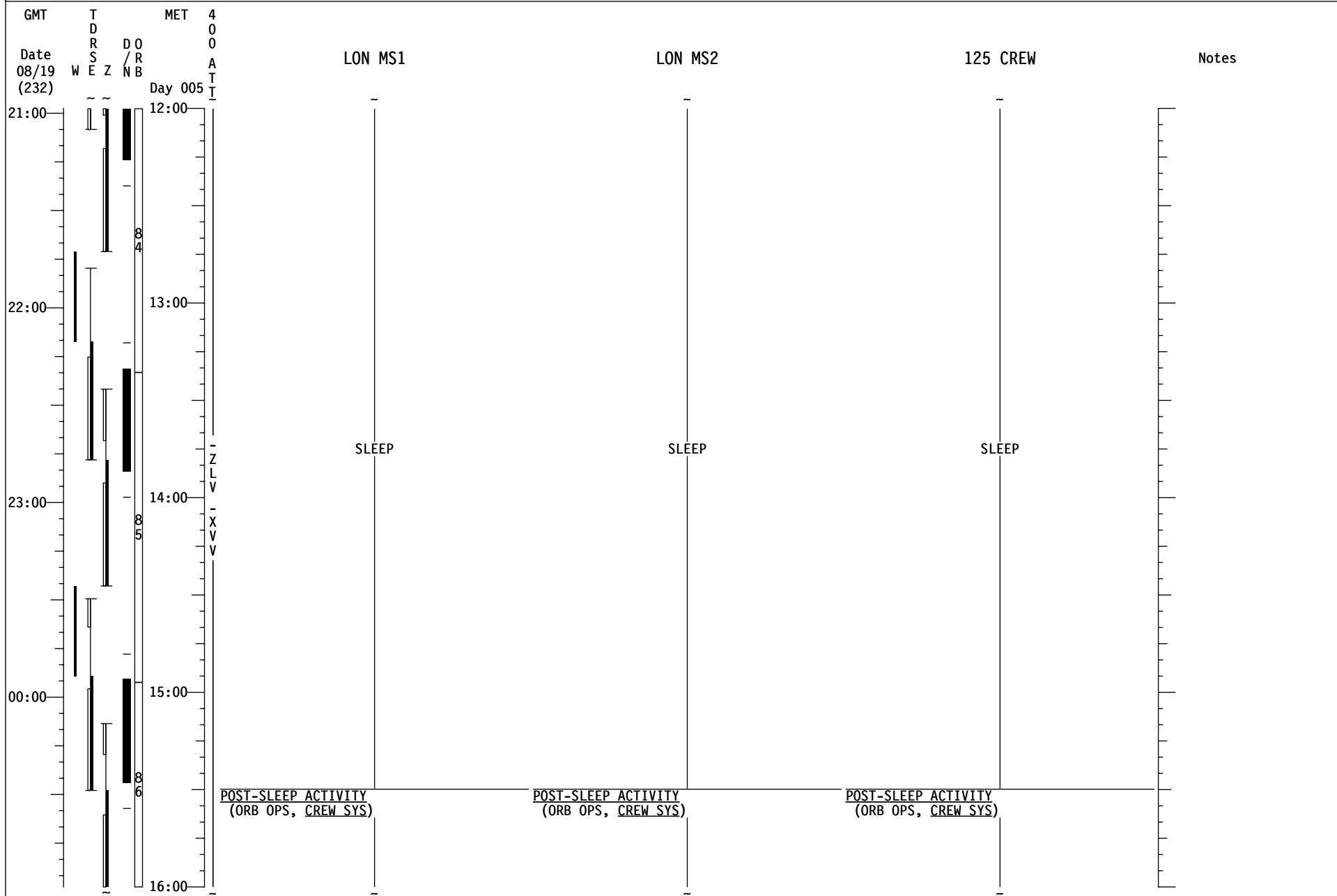
STS-400 (FD06)



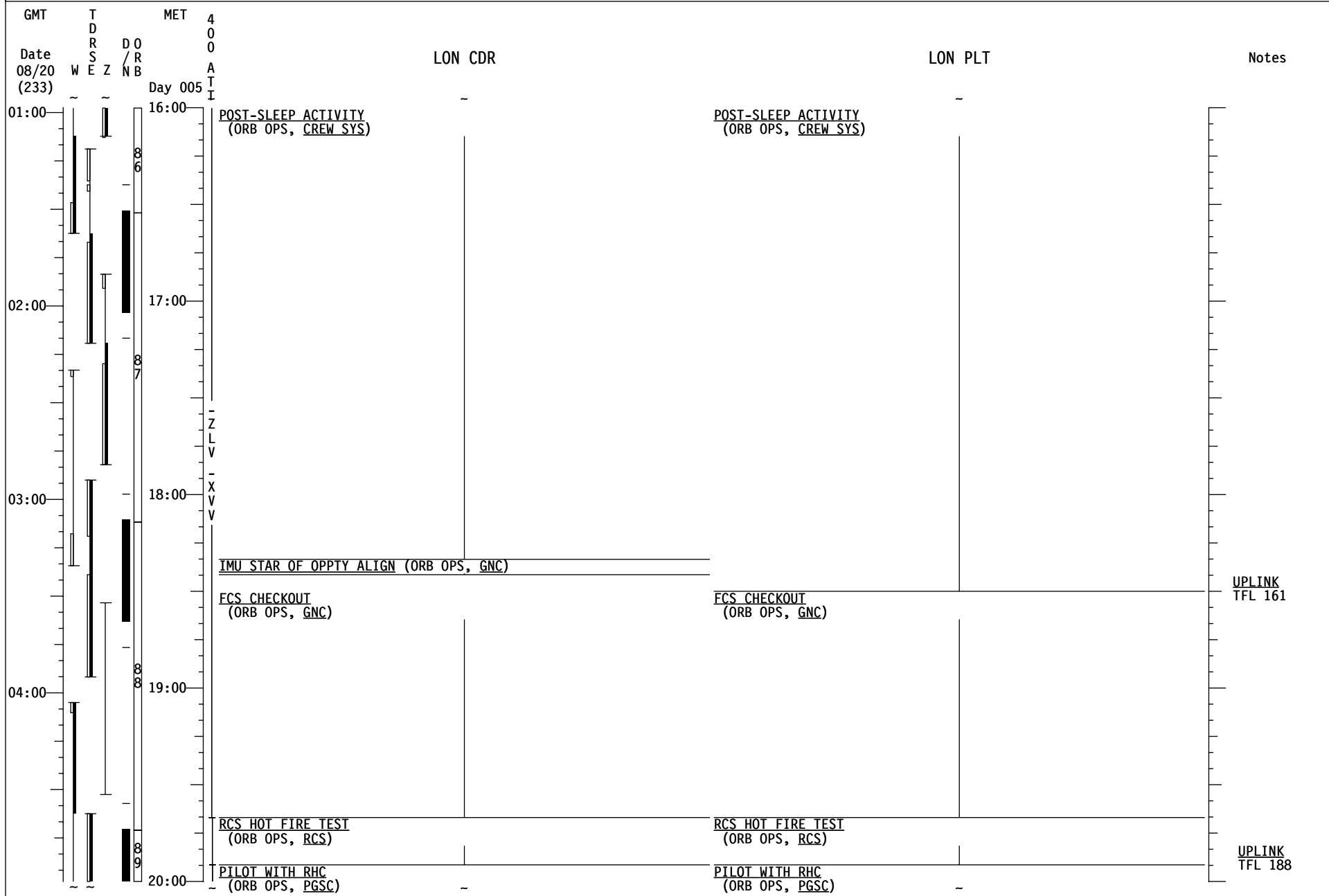
STS-400 (FD07)



STS-400 (FD07)



STS-400 (FD07)



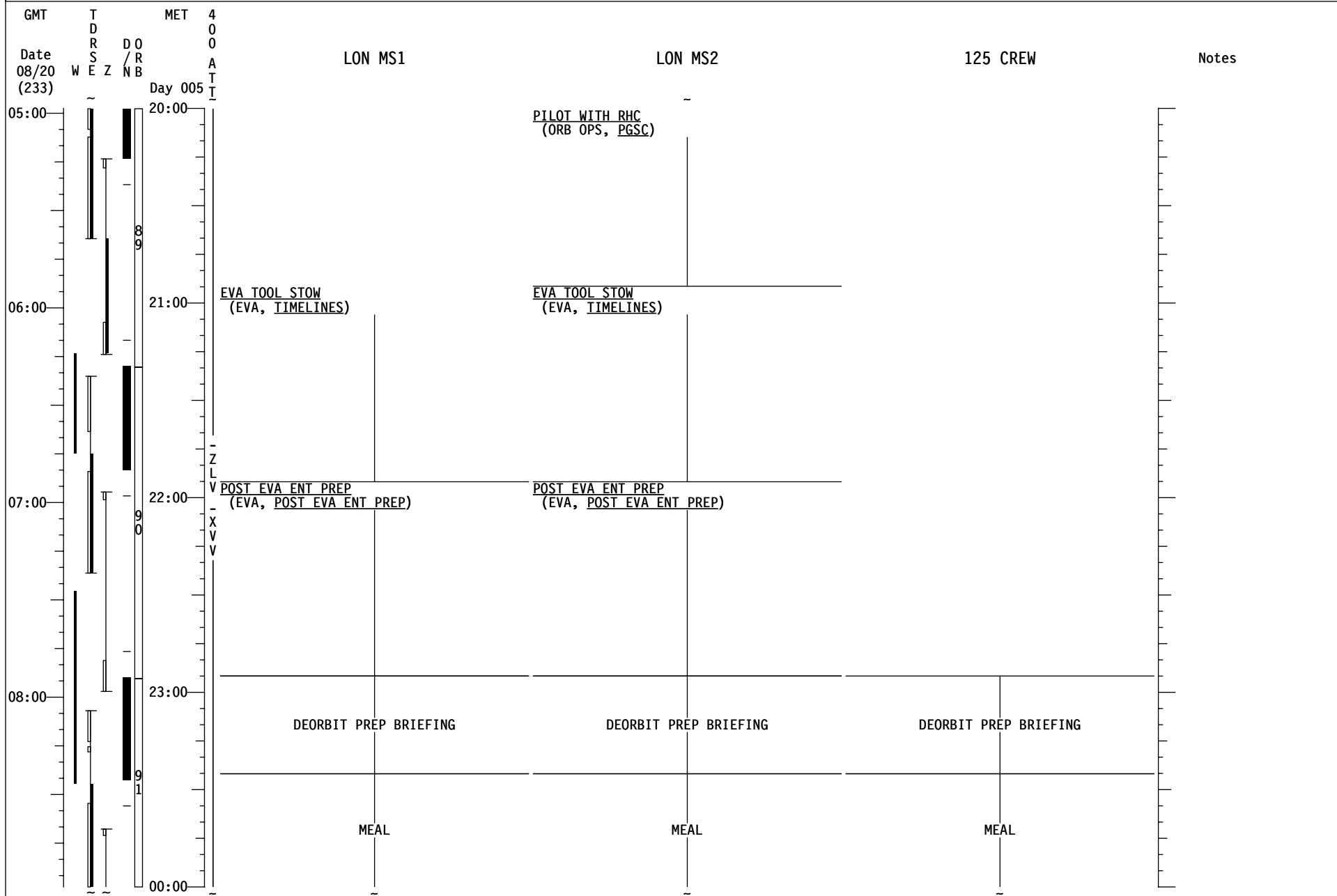
STS-400 (FD07)

GMT	T D R S E Z	MET	4 0 0 A T T	LON MS1	LON MS2	125 CREW	Notes
Date 08/20 (233)	W E Z	D O R N B	Day 005				
01:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
02:00				W/B STEAM VENT HTR ACT R2 VBLR CNTLR/HTY(three) -B PWR (three) -ON			
03:00				Z POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) V FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)			
04:00				CABIN CONFIG/STOW	FCS CHECKOUT (ORB OPS, GNC)	CABIN CONFIG/STOW	
20:00					RCS HOT FIRE TEST (ORB OPS, RCS)		
					PILOT WITH RHC (ORB OPS, PGSC)		

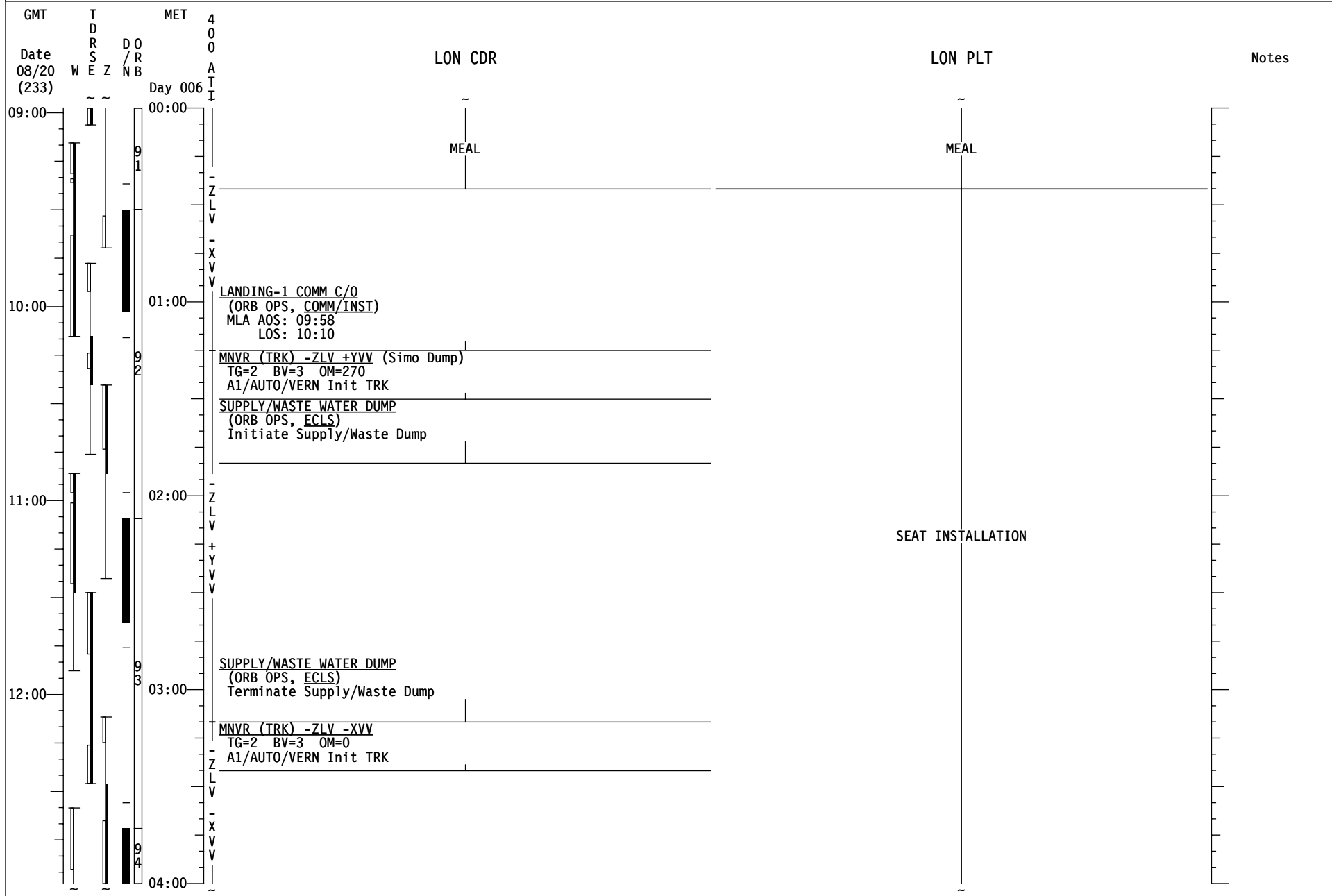
STS-400 (FD07)

GMT	T D R S E Z	MET	4 0 0	D O R N B	W E Z	Day 005	A T I	LON CDR	LON PLT	Notes
05:00										
								PILOT WITH RHC (ORB OPS, PGSC)	PILOT WITH RHC (ORB OPS, PGSC)	
06:00								WCS COMPACTOR OPS (DUAL-VANE) (ORB OPS, CUE CARD)	ENTRY VIDEO SETUP (PHOTO/TV, MINI-CAM)	
								LANDING-1 COMM C/O (ORB OPS, COMM/INST) DFR AOS: 21:29 Max EL: 13 DEG LOS: 21:39	CABIN CONFIG/STOW	
07:00								CABIN CONFIG/STOW		
									SSV DEACTIVATION (PHOTO/TV, SSV)	
08:00								DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
								MEAL	MEAL	
00:00										

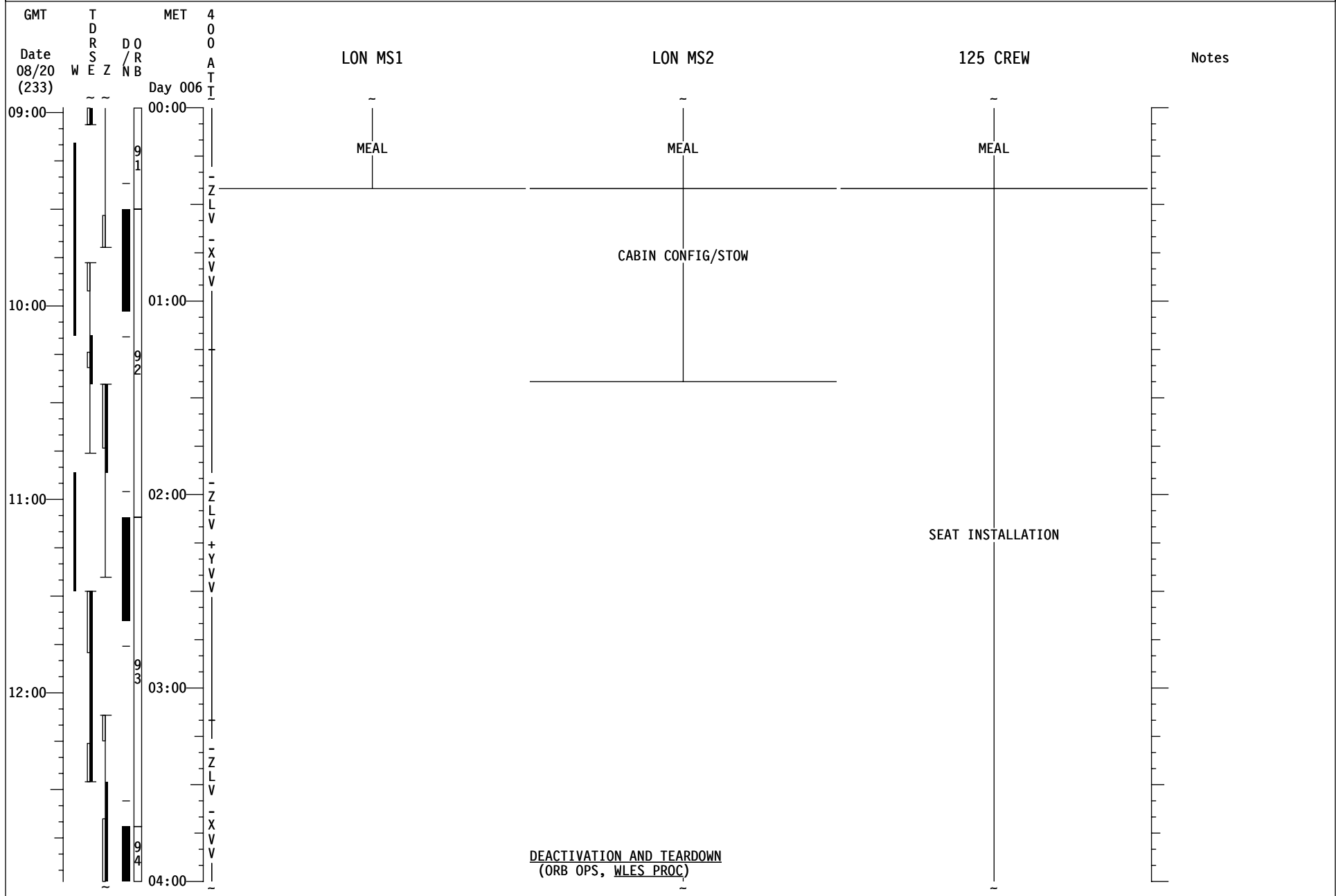
STS-400 (FD07)



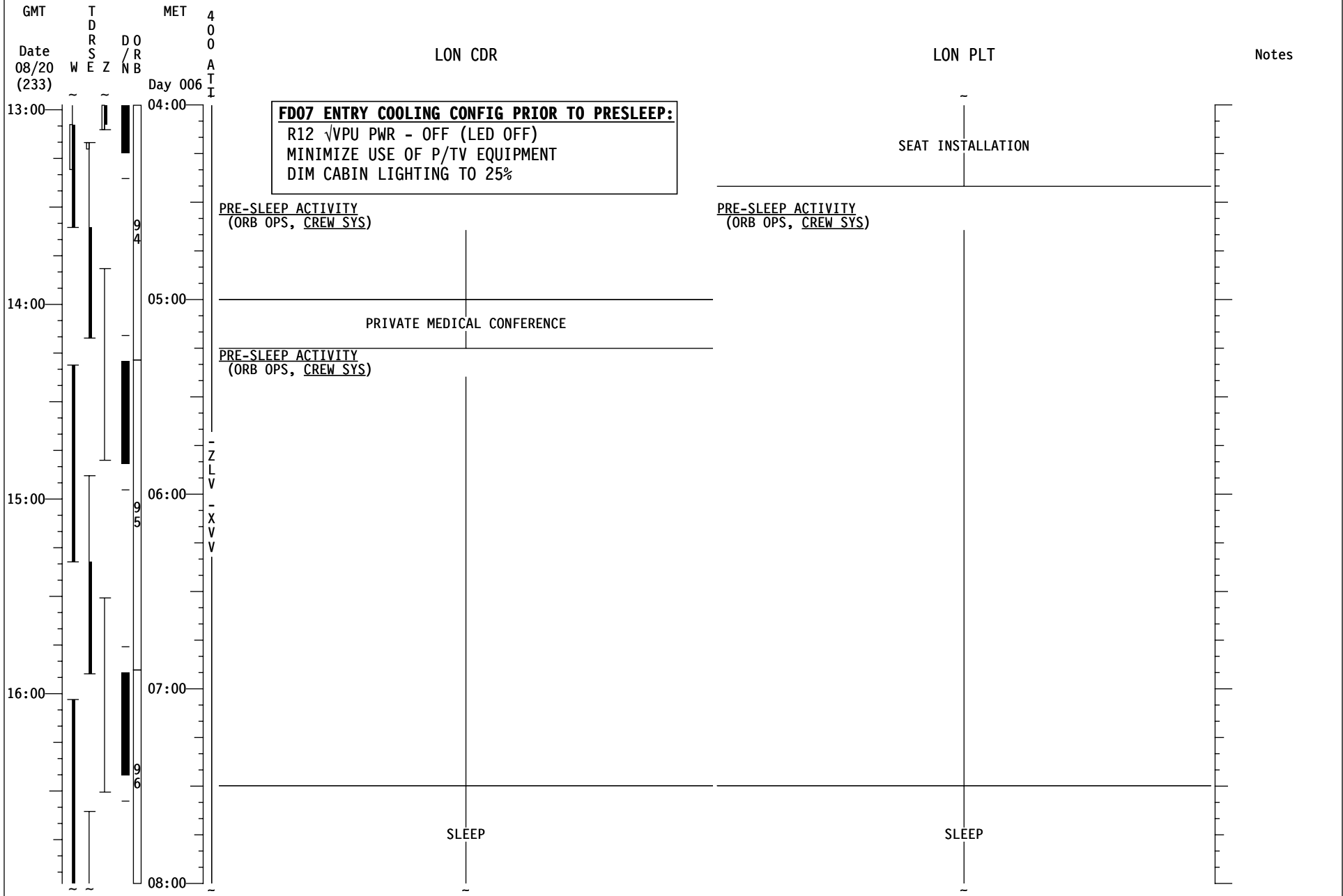
STS-400 (FD07)



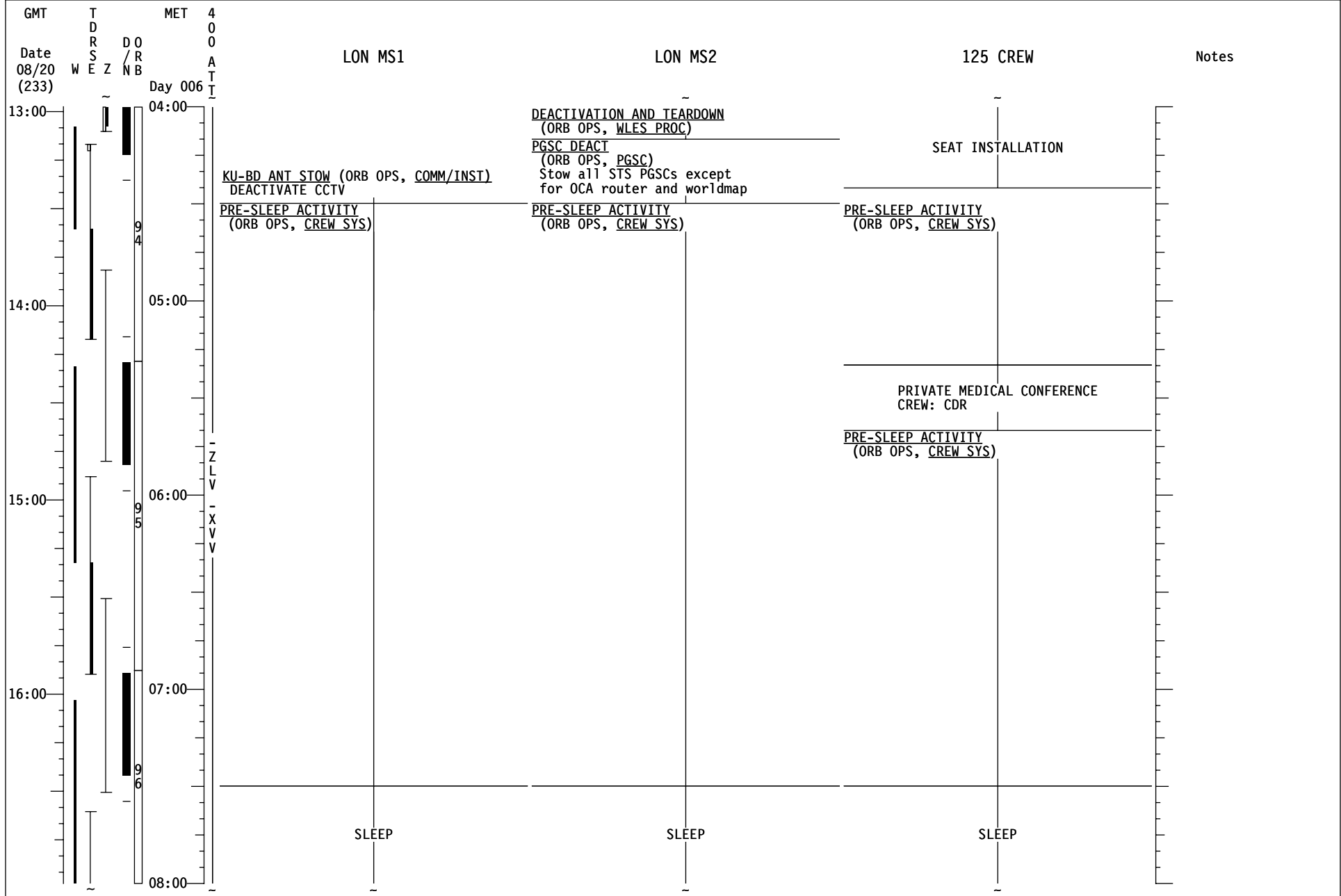
STS-400 (FD07)



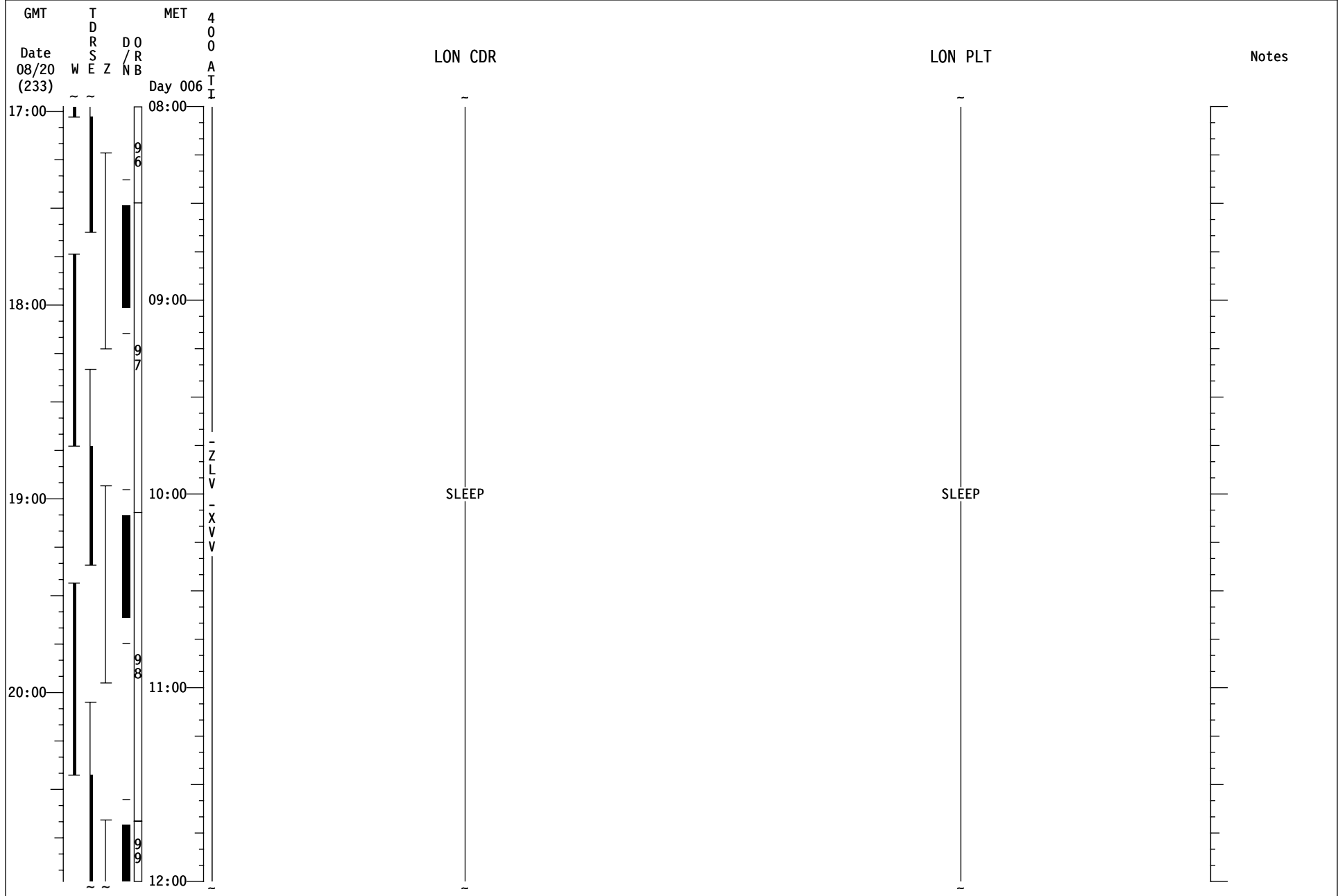
STS-400 (FD07)



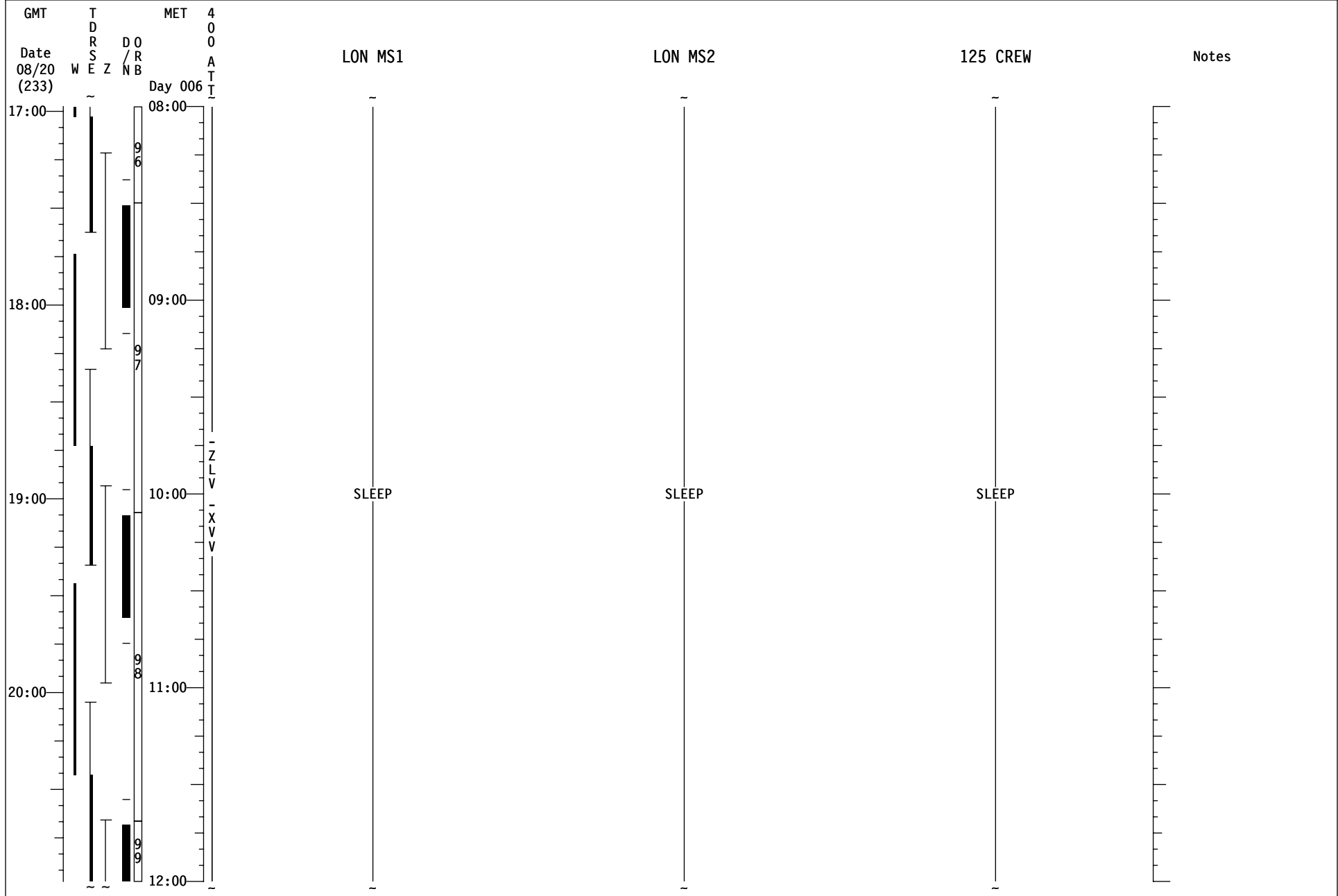
STS-400 (FD07)



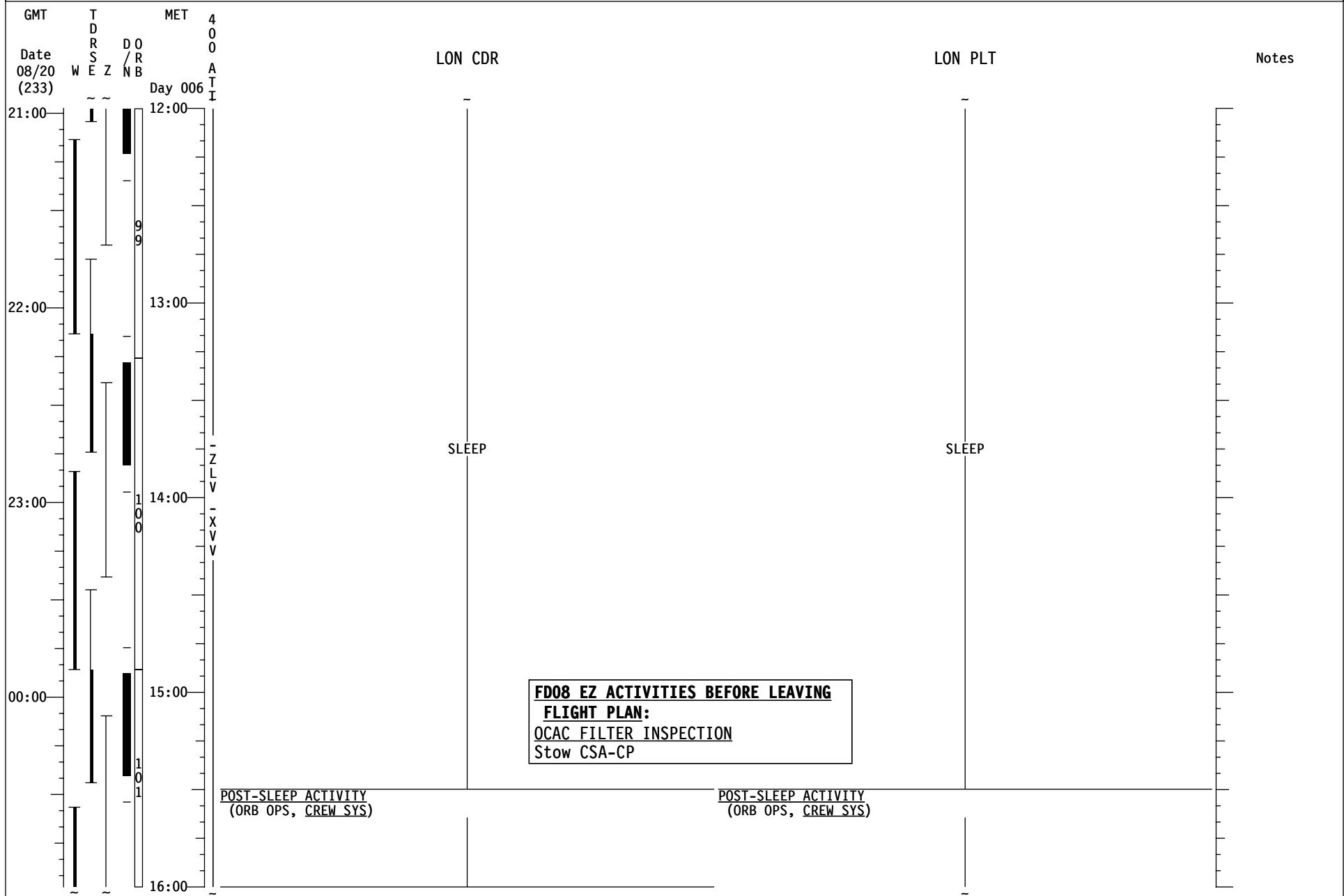
STS-400 (FD07)



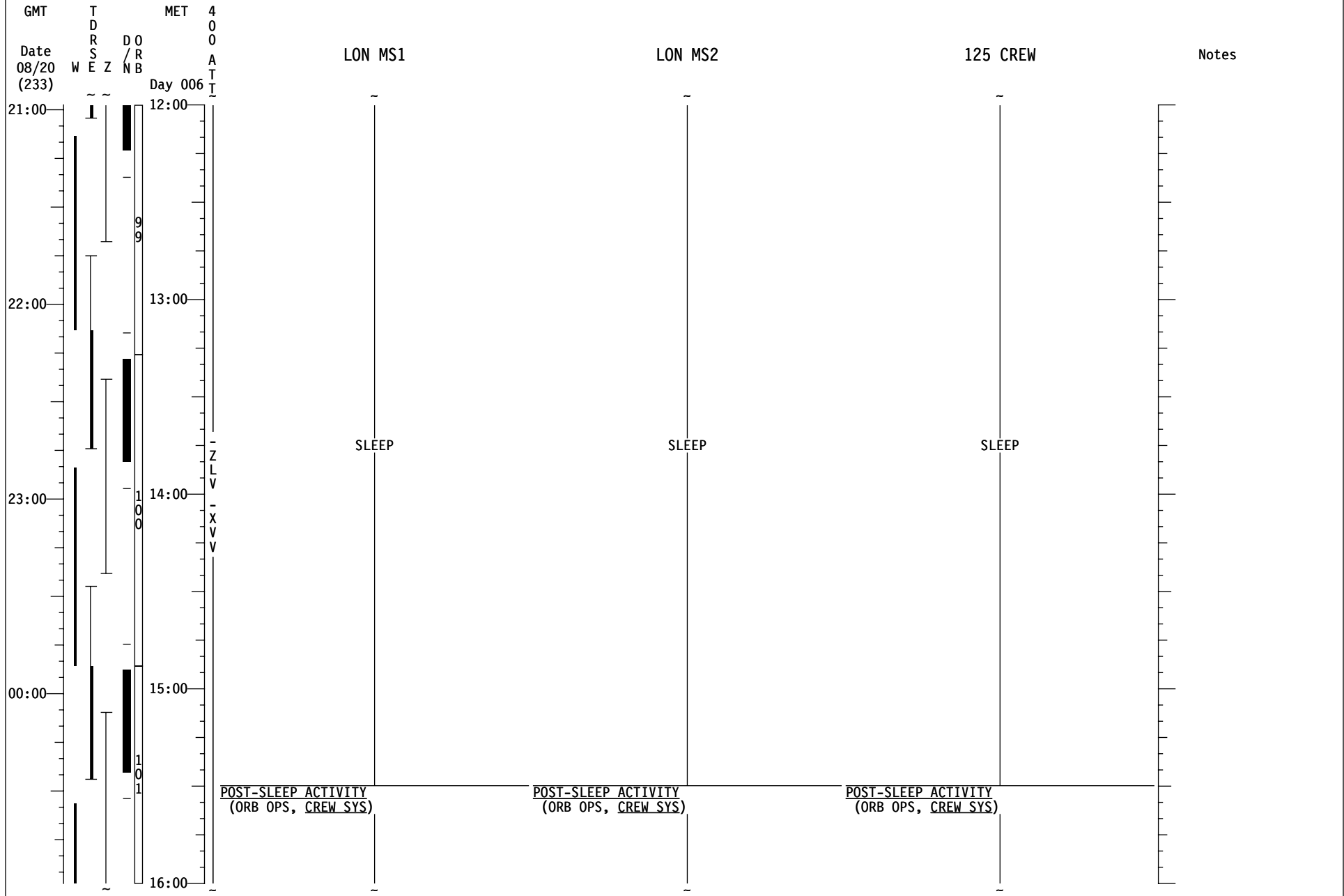
STS-400 (FD07)



STS-400 (FD08)



STS-400 (FD08)



STS-400 (FD08)

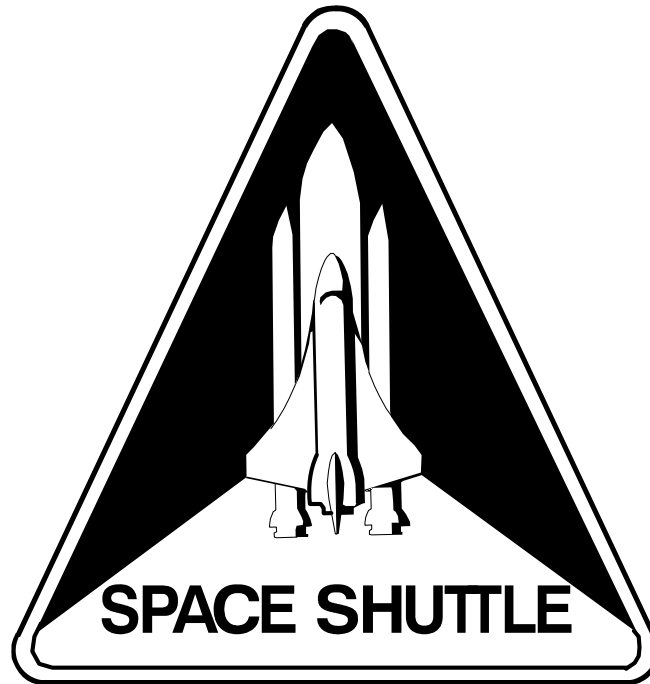
GMT	T D R S E Z	MET	LON CDR	LON PLT	Notes
Date 08/21 (234)	W	Day 006			
01:00		16:00	PRIVATE MEDICAL CONFERENCE		<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)
02:00		17:00			
					<u>PRIORITY PWRUP GRP B</u> (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD),10,9,6 (Dual G2 NBAT 1212),5
					<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)
03:00		18:00			
					<u>GIRA STOWAGE</u> (ORB OPS, ECLS)
			GO TO DEORBIT PREP @ 006/18:25		
04:00		19:00	DEORBIT PREP	DEORBIT PREP	
		20:00			

STS-400 (FD08)

GMT	T D R S E Z	MET	4 0 0 A T I	LON MS1	LON MS2	125 CREW	Notes
Date 08/21 (234)	W E Z	Day 006					
01:00		16:00		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
02:00		17:00			PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Step 12 (In step 12, Recover IMU TBD),10,9, 6 (Dual G2 NBAT 1212),5		
03:00		18:00		AIR SAMPLE Rcd MET and location on bottle (ORB OPS, CREW SYS) TISSUE EQUIVALENT PROPORTIONAL COUNTER (TEPC) (ORB OPS, CREW SYSTEMS) Powerdown PGSC DEACT COLOR PRINTER STOW (ORB OPS, PGSC) Stow remaining PGSCs and color printer	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) OCAC STOWAGE (ORB OPS, CREW SYS)		
04:00		19:00		GO TO DEORBIT PREP @ 006/18:25			
20:00				DEORBIT PREP	DEORBIT PREP	DEORBIT PREP	

A	IMU STAR ALIGN PAD
ID: -Y: 43 RASALHAGUE MET (006/17:43 TO 006/18:36)	
-Z: 15 HADAR MET (006/17:22 TO 006/18:17)	
ANG DIFF: 84.1	
DUAL S TRKR 2nd ATTITUDE <u>ALIGNMENT</u> (SINGLE S TRKR)	
-Z: 43 -Y: 15	
R 349	R 261 77
P 23	P 13 34
Y 338	Y 348 348
REQD ID:	
-Y: ____, -Z: ____, ANG ERR ____, ____, __	
ANG: 1 2 3	
ΔX () ____, ____, () ____, ____, () ____, ____,	
ΔY () ____, ____, () ____, ____, () ____, ____,	
ΔZ () ____, ____, () ____, ____, () ____, ____,	
EXECUTION TIME: __/__:__:__ MET	

B	IMU VERIFICATION STAR ALIGN PAD
ID: -Y: 99 GAMMA GRUIS MET (006/17:53 TO 006/18:44)	
-Z: 96 DELTA CYGNI MET (006/17:54 TO 006/18:42)	
ANG DIFF: 87.5	
DUAL S TRKR 2nd ATTITUDE <u>ALIGNMENT</u> (SINGLE S TRKR)	
-Z: 99 -Y: 96	
R 296	R 211 39
P 145	P 147 168
Y 312	Y 326 311
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	



<p>FLIGHT PLAN</p>	<p>STS 400</p>
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