

Flight Plan

STS-125

(STS-125 OCF Rev A Trajectory)

Mission Operations Directorate Operations Division

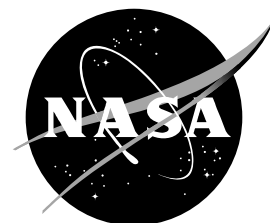
Basic
May 19, 2008

For the latest working copy of the Flight Plan, visit
<http://mod.jsc.nasa.gov/do4/flightplan/main/fp.cfm?id=125>

<u>EVENT</u>	<u>FD</u>	<u>MET</u>	<u>DATE</u>	<u>CDT</u>	<u>GMT</u>
Launch	1	00/00:00	8/07/2008	07:25	220/12:25
OMS-2	1	00/00:43	8/07/2008	08:08	220/13:08
OBSS Survey	2	00/17:00	8/08/2008	00:25	221/05:25
HST Grapple	3	01/22:41	8/09/2008	06:06	222/11:06
EVA 1	4	02/17:15	8/10/2008	00:40	223/05:40
EVA 2	5	03/17:15	8/11/2008	00:40	224/05:40
EVA 3	6	04/17:15	8/12/2008	00:40	225/05:40
EVA 4	7	05/17:15	8/13/2008	00:40	226/05:40
EVA 5	8	06/17:15	8/14/2008	00:40	227/05:40
HST Release	9	07/18:25	8/15/2008	01:50	228/06:50
Late Inspection	9	07/20:25	8/15/2008	03:50	228/08:50
Deorbit	12	10/18:54	8/18/2008	02:19	231/07:19
Landing	12	10/20:03	8/18/2008	03:28	231/08:28

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-125**

BASIC
May 19, 2008

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482#:	FLT PLN-2056 FLT PLN-2057

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Timeline Support	DO4/D. Segrera	281-483-0017
Lead Pointer	DO4/J. Lawson	281-244-1222

FLIGHT PLAN
STS-125

LIST OF EFFECTIVE PAGES

BASIC 05/19/08

Sign Off	*	125/BAS	3-15	125/BAS
ii.....	*	125/BAS	3-16	125/BAS
iii.....	*	125/BAS	3-17	125/BAS
iv.....	*	125/BAS	3-18	125/BAS
v	*	125/BAS	3-19	125/BAS
vi.....	*	125/BAS	3-20	125/BAS
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3-14		125/BAS	3-62	125/BAS

* – Omit from flight book

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INTRODUCTION

The STS-125 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 timelines and procedures are contained in the Rendezvous Checklist. The deploy procedures required during the deploy timeframe are in the STS-125 HST Deploy Checklist. The detailed EVA task timelines and procedures are contained in the EVA Checklist.

The Servicing Mission Integrated Timeline (SMIT) version 14.0, dated April 15, 2008 was used in the development of these timelines.

This Flight Plan satisfies the mission requirements specified in the following documents:

- NSTS-07700 Vol III, Flight Definition and Requirements Document
- NSTS-17462-125, STS-125 Flight Requirements Document
- NSTS-37326, Shuttle Crew Scheduling Constraints, Revision B
- NSTS-14009, Hubble Space Telescope Payload Integration Plan and Annex 2, Part II
- NSTS-21417, IMAX Cargo Bay Camera 3D Payload Integration Plan and Annex 2, Part II

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-125 Flight Plan is based on a launch date of August 7, 2008 at 12:25 GMT (7:25 AM 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 mission objectives:

- Exceptions have not been submitted at the time of Flight Plan Basic publication. Current known SCSC violations are:
 - Less than minimum Post Sleep on flight days 4 thru 8
 - Interruptions to Presleep on flight days 4 thru 8

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=125>

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-125/HST SM4 Overview Timeline with 1 OA Burn 11+2 Day Mission (5 EVAs)

		MET	0/-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	00/0	1	2	3	4	5	6	7	8	9	10	11	12	13	
FD 01	STS													ASC	Post Insert		RMS/SSE C/O Setup	Survey				SLEEP						
	Orb Att													ASC	-ZLV-XVV	NC-1							-ZLV -XVV					
FD 02	STS		SLEEP						FSS Prep, A/L Prep, EMU C/O	Meal				FD2 Setup, P/TV Setup														
	Orb Att		-ZLV -XVV	NC-2				STBD Survey	Nose					Port Survey	Berth	RNDZ												
		^ 10.2 Depress																										
FD 03	STS		SLEEP																									
	Orb Att		-XVV	Dump	NH				RNDZ					FREE	Batt Chg													
	HST Att			Dump				RNDZ				CAPT	Berth															
		Grapple 1/22.41 ^																										
FD 04	STS																											
	Orb Att																											
	HST Att																											
		EVA 1																										
FD 05	STS																											
	Orb Att		-XVV	Dump	-XVV																							
	HST Att																											
		EVA 2																										
FD 06	STS																											
	Orb Att																											
	HST Att																											
		EVA 3																										
FD 07	STS																											
	Orb Att																											
	HST Att																											
		EVA 4																										
FD 08	STS																											
	Orb Att																											
	HST Att																											
		EVA 5																										
FD 09	STS																											
	Orb Att																											
	HST Att																											
		Release 7/18.25 ^																										
FD 10	STS																											
	Orb Att		-X	Dump	C	OA																						
		^ 14.7 Repress																										
FD 11	STS																											
	Orb Att																											
		^ 10.20:03 KSC Landing																										
FD 12	STS																											
	Orb Att																											
		TIG 10/18.54 ^																										

		MET	XX/13	14	15	16	17
KEY	STS						
	Orb Att						

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SUMMARY TIMELINE

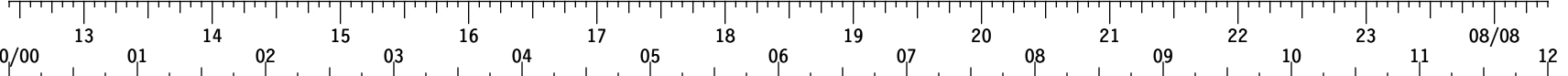
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FD01

GMT 08/07/08 (220)

β=1

MET Day 000



S T S - 1 2 5	CDR/R2 ALTMAN	POST INSERTION	SSE ACT	AFV E L V P K	NC1 OMS BURN	I M U	SSE C/O	G P R P R D N	W A T C H	P M C A/G	PRE SLEEP	MNVR		SLEEP
	PLT/R3 JOHNSON	POST INSERTION		P/TV01 VIDEO SETUP	OMS BURN	P/TV 02 S/U	P/TV02 SSE SURVEY	G P R P R D N	P/TV 03 S/U	I M C A B T C C #	PRE SLEEP	SLEEP		
	MS1/EV4/R2 GOOD	POST INSERTION		PGSC SETUP (PART 1)			CREW CABIN SRVY		P S R L E E P	H D T V E T V I D D/L	PRE SLEEP	SLEEP		
	MS2/R1 McARTHUR	POST INSERTION	R M S *	R M S R U P	RMS C/O	R P S M L U S B R V E Y	SEE SETUP	W A T C H			PRE SLEEP#	SLEEP		
	MS3/EV1 GRUNSFELD	POST INSERTION	SSE ACT	T O P C	BSA INSTL & CNFG	E T D /L	SSE C/O	W A T C H			PRE SLEEP	SLEEP		
	MS4/EV3/R2 MASSIMINO	POST INSERTION	R M S R U P		RMS C/O	R P S M L U S B R V E Y	CREW CABIN SRVY	E L B O W			PRE SLEEP	SLEEP		
	MS5/EV2 FEUSTEL	POST INSERTION			PGSC SETUP (PART 1)	W L E S A C T	U M B W E L L T D/L	W A T C H			PRE SLEEP	SLEEP		
H S T	HST CMD		S A C O	G Y R O						SI & NSSC-1 CONFIG	LOAD DMP VERIF QUEEN			
S T S	DAY/NIGHT ORBIT													
S T S	TDRS W -171 E -46 Z -275													
HST	ORB ATT HST ATT SA ANGLE													
NOTES		<p>*ON-ORBIT INIT *-ZLV -XVV #HUM SEP #ACT *RECONFIG *STOW</p>												

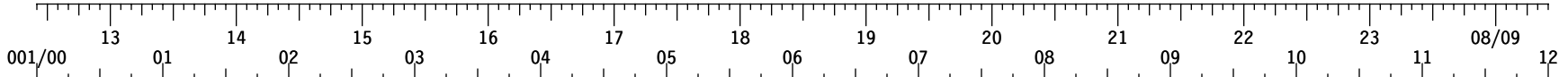
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GMT 08/08/08 (221)

β=4

MET

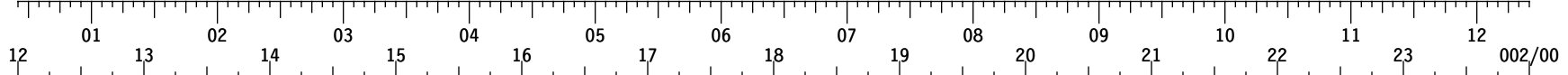
Day 001



S T S - 1 2 5	CDR/R2 ALTMAN	CNF G	ERG SETUP	EXERCISE	FILTER CLEANING	PRE SLEEP	NC3 RCS BURN	-Z X L V	F M I O 2 M	PMC A/G	PRE SLEEP	SLEEP		
	PLT/R3 JOHNSON	CNF G	P/TV09 ICBC3D SETUP	IAC UBD C I O	P/TV01 VIDEO SETUP		RCS BURN	PRE SLEEP	OMS POD SRVY	PRE SLEEP*	SLEEP			
	MS1/EV4/R2 GOOD	PORT BELLY TILE SRVY		PORT WING RCC SRVY	OBSS BERTH		PRE SLEEP	RNDZ TOOLS C/O		PRE SLEEP	SLEEP			
	MS2/R1 McARTHUR	PORT BELLY TILE SRVY		PORT WING RCC SRVY	-Z X L V	F C P R G	CRYO 02 SNSR CK	PS R L E E P	FCMS OPS	M C I U	PRE SLEEP	SLEEP		
	MS3/EV1 GRUNSFELD	EXERCISE		LDRI DNLK			PRE SLEEP	LDRI DNLK	O C A *	PRE SLEEP	SLEEP			
	MS4/EV3/R2 MASSIMINO	PORT BELLY TILE SRVY		PORT WING RCC SRVY	OBSS BERTH		PRE SLEEP				SLEEP			
	MS5/EV2 FEUSTEL	EXERCISE		PRE SLEEP	RNDZ TOOLS C/O		PRE SLEEP	SLEEP						
H S T	HST CMD	SSR PLAYBACK			CLS DOOR	D U M P	D U M P	HST TO RNDZ ATT	HST LGA DRCT TDRS	3 GYRO OPS RECONFIG	H C N T R L	LOAD MACROS & SPCS	H P R E P F O R H G A R E T R A C T	H G A R E T R A C T
S T S	DAY/NIGHT	[Timeline bars for Day/Night]												
	ORBIT	[Timeline bars for Orbit]												
	TDRS	W -171	[Timeline bars for TDRS W -171]											
	E -46	[Timeline bars for TDRS E -46]												
	Z -275	[Timeline bars for TDRS Z -275]												
HST	ORB ATT	BIAS +XSI												
	HST ATT	-XVV												
	SA ANGLE	SMS DEFINED												
NOTES	*HUM SEP													
	*PL MAX													

FD03

GMT 08/09/08 (222)
 β=5
 MET Day 001



STS - 125	CDR/R2 ALTMAN	SLEEP	POST SLEEP	MNV [^] 10:2 M MCIU	POST SLEEP	NH [^] NC4 [^]	HST RNDZ OPS	10:2 M	Ti [^]	HST RNDZ OPS	P/TV05 S/U	P/TV05 -V3 SURVEY	-X S I				
	PLT JOHNSON	SLEEP	POST SLEEP	SIMO INIT	POST SLEEP	SIMO TERM	POST	GP RRP UP	HST RNDZ OPS				H S T				
	MS1/EV4 GOOD	SLEEP	POST SLEEP				MDDK PREP	EXERCISE	HST RNDZ OPS			HST LATCH & MATE					
	MS2/R1 McARTHUR	SLEEP	POST SLEEP				GP RRP UP	EXERCISE	HST RNDZ OPS				HST BERTH MNVR	H S T			
	MS3/EV1 GRUNSFELD	SLEEP	POST SLEEP				MDDK PREP	EVA TOOL UNSTOW CNFG	EVA 1 TOOL CONFIG	EXERCISE	HST RNDZ OPS		HST LATCH & MATE				
	MS4/EV3/R2 MASSIMINO	SLEEP	POST SLEEP				MDDK PREP	EVA TOOL UNSTOW CNFG	EVA 1 TOOL CONFIG	EXERCISE	HST RNDZ OPS		HST BERTH MNVR	H S T			
	MS5/EV2 FEUSTEL	SLEEP	POST SLEEP				OCC#	HST RNDZ OPS	EXERCISE	P/TV04 S/U	P/TV04 HST RNDZ		POST RNDZ PGSC CNFG	*			
HST	HST CMD	NCS STBY					SA SLEW (90)			FGEV*	RFDUECD	PSP BYPASS	CNFG*	FWD	HST TO CPTR ATT	AFETA	H S T
STS	DAY/NIGHT ORBIT	[Timeline bars for Day/Night and Orbit]															
	TDRS	[Timeline bars for TDRS W, E, Z]															
	ORB ATT	[Timeline bars for ORB ATT]															
HST	HST FWD AXIS SA ANGLE	[Timeline bars for HST FWD AXIS SA ANGLE]															
NOTES	SUN TRACK *HTR RECONFIG #2 MEG D/L *OFF *CAPTURE OPS *PWR ACT																

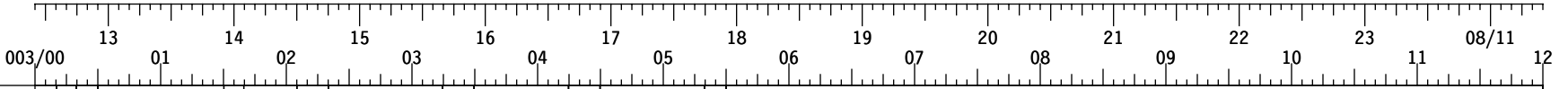
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GMT 08/10/08 (223)

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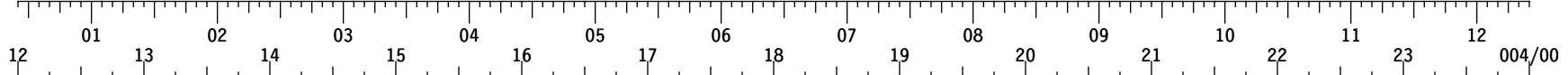
MET Day 003



STS - 125	CDR/R2 ALTMAN	102 2 CON	EXERCISE	SA SLEW (0)	-Z X LV V	EVA 2 PROCEDURE RVW	F M U N T R	PRE SLEEP	PMC A/G	PRE SLEEP	102 2 M	SLEEP
	PLT JOHNSON	EXER CISE	I C B C	H L / P G T	P/TV 03 SA SLEW	H D T V	EVA 2 PROCEDURE RVW	P S R L E E P	B A T T *	PRE SLEEP		SLEEP
	MS1/EV4 GOOD	POST EVA W/H2O	EMU SWAP	R E B A - I	PRE SLEEP	EVA 2 PROCEDURE RVW		PRE SLEEP				SLEEP
	MS2/R1 McARTHUR	EXERCISE	H L / P G T	P P D R L D I I P P *	S A S L E W (0)	P R E	EVA 2 PROCEDURE RVW		PRE SLEEP			SLEEP
	MS3/EV1 GRUNSFELD	POST EVA W/H2O	EMU SWAP	R E B A - I	PRE SLEEP	EVA 2 PROCEDURE RVW		PRE SLEEP				SLEEP
	MS4/EV3 MASSIMINO	POST EVA W/H2O	EVA 2 TOOL CONFIG		P S R L E E P	EVA 2 PROCEDURE RVW		PRE SLEEP				SLEEP
	MS5/EV2 FEUSTEL	POST EVA W/H2O	EVA 2 TOOL CONFIG		P S R L E E P	EVA 2 PROCEDURE RVW		PRE SLEEP				SLEEP
HST	HST CMD	BATT FUNCTIONAL TEST	SA SLEW (0)	WFC3 FUNCTIONAL TEST			WFC3 F/T DUMP				B A Y 2	
STS	DAY/NIGHT	[Day/Night bar chart]										
	ORBIT	[Orbit bar chart]										
	TDRS	[TDRS bar chart]										
HST	ORB ATT	[ORB ATT bar chart]										
	HST FWD AXIS SA ANGLE	[HST FWD AXIS SA ANGLE bar chart]										
NOTES	*HIGH *LOW *INIT											

FD05

GMT 08/11/08 (224)
 β=11
 MET Day 003



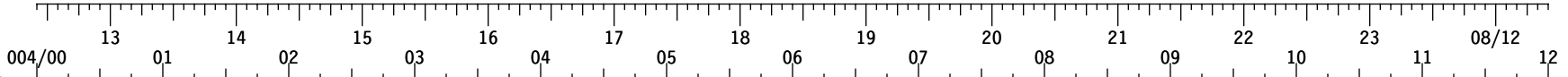
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	PLT JOHNSON	SLEEP	POST SLEEP		BATT 1		EVA PREP	PURGE	EMU PRE BREATHE	DP RPS	DP/TV06 EVA 2 OPS	ICBC 9		P/TV06 EVA 2 OPS	ICBC 10	ICBC 11	P/TV06 EVA 2 OPS	ICBC 12		P/TV06 EVA 2 OPS	ICBC 8		P/TV06 EVA 2 OPS		EXER CISE	
	MS1/EV4 GOOD	SLEEP	POST SLEEP				EVA PREP	PURGE	EMU PRE BREATHE	DP RPS	DP/TV06 EVA 2 OPS			SORTIE EGRESS & S/U		RSU R&R							BAY 2 BATTERY R&R		SORTIE C/U & INGRESS	PRPS
	MS2/R1 McARTHUR	SLEEP	POST SLEEP	SIMO INIT		POST SLEEP	SIMO TERM	EXERCISE						EVA SETUP		RMS RSU SUPPORT							RMS BATT 2 SUPPORT		MFR EGRS	PAR K
	MS3/EV1 GRUNSFELD	SLEEP	POST SLEEP					EXERCISE		HL/P/GT				EVA 2 (6:25)											PRPS	
														IVA EVA 2 SUPPORT											PRPS	
														RSU/BAY 2 BATTERY											PRPS	
	MS4/EV3 MASSIMINO	SLEEP	POST SLEEP				EVA PREP	PURGE	EMU PRE BREATHE	DP RPS	DP/TV06 EVA 2 OPS		SORTIE EGRESS & S/U		RSU R&R							BAY 2 BATTERY R&R		SORTIE C/U & INGRESS	PRPS	
	MS5/EV2 FEUSTEL	SLEEP	POST SLEEP				EVA PREP	PURGE	EMU PRE BREATHE	DP RPS	DP/TV06 EVA 2 OPS		EXERCISE		IVA EVA 2 SUPPORT										PRPS	
HST	HST CMD	BAY 2 BATT DISCHARGE													RSU CHANGEOUT								BAY 2 BATT C/O PREP		BATT ALIVE TEST	
STS	DAY/NIGHT ORBIT																									
	TDRS																									
	ORB ATT																									
HST	HST FWD AXIS SA ANGLE																									
	NOTES	<p>*CHECK</p> <p style="text-align: center;"> ----- -V3 AFT SHROUD DOOR OPEN ----- </p>																								

FD05

GMT 08/11/08 (224)

β=13

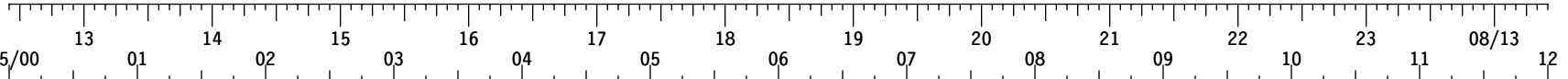
MET Day 004



S T S - 1 2 5	CDR/R2 ALTMAN	SA SLEW (90)	EXERCISE	S S V #	SA SLEW (0)	M R N S V U R	EVA 3 PROCEDURE RVW	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP	
	PLT JOHNSON	EXERCISE	G 2 C O N	B A T T #	I M U	H L / P G T	P / T V 03 SA SLEW	I H C D B I T C V	EVA 3 PROCEDURE RVW	P S B R L A E E T P *	PRE SLEEP	SLEEP
	MS1/EV4 GOOD	POST EVA W/H2O	L B I A N O T S H T T L &	EMU SWAP	R E B A - I	P S R L E E P	EVA 3 PROCEDURE RVW	PRE SLEEP	PRE SLEEP	SLEEP		
	MS2/R1 McARTHUR	SA SLEW (90)	P D I P *	H L / P G T	SA SLEW (0)	P R E	EVA 3 PROCEDURE RVW	PRE SLEEP	PRE SLEEP	SLEEP		
	MS3/EV1 GRUNSFELD	POST EVA W/H2O	L B I A N O T S H T T L &	EMU SWAP	R E B A - I	P S R L E E P	EVA 3 PROCEDURE RVW	PRE SLEEP	PRE SLEEP	SLEEP		
	MS4/EV3 MASSIMINO	POST EVA W/H2O	EVA 3 TOOL CONFIG	PRE SLEEP	EVA 3 PROCEDURE RVW	PRE SLEEP	PRE SLEEP	SLEEP				
	MS5/EV2 FEUSTEL	POST EVA W/H2O	EVA 3 TOOL CONFIG	PRE SLEEP	EVA 3 PROCEDURE RVW	PRE SLEEP	PRE SLEEP	SLEEP				
H S T	HST CMD	SA SLEW (90)	BATT FUNCTIONAL TEST	SA SLEW (0)	RSU F/T	RATE GYRO CONFIG						
S T S	DAY/NIGHT	[Timeline bars for Day/Night]										
	ORBIT	[Timeline bars for Orbit]										
	TDRS	[Timeline bars for TDRS]										
	ORB ATT	[Timeline bars for Orb Att]										
HST	HST FWD AXIS	[Timeline bars for HST FWD AXIS]										
	SA ANGLE	[Timeline bars for SA ANGLE]										
NOTES	#TERM #PWR OFF *INIT *HIGH *LOW											

FD06

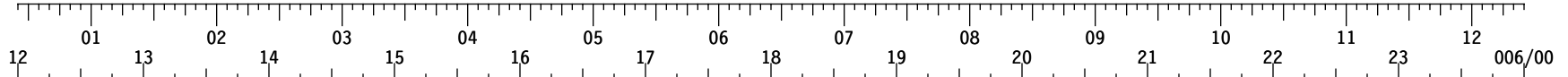
GMT 08/12/08 (225)
 β = 16
 MET Day 005



S T S - 1 2 5	CDR/R2 ALTMAN	10-2 M	EXERCISE	PRE SLEEP	EVA 4 PROCEDURE RVW	PRE SLEEP	PMC A/G	PRE SLEEP	10-2 M	SLEEP
	PLT JOHNSON	EXER	BATT* HL/P G T	FLTR CLN - INSPECT	EVA 4 PROCEDURE RVW	PRE SLEEP	BATT* HL/P G T	PRE SLEEP		SLEEP
	MS1/EV4 GOOD	POST EVA W/H2O	LB I A N O T S H T & T L	EMU SWAP	EVA 4 PROCEDURE RVW	PRE SLEEP	REBA-I PRE	PRE SLEEP		SLEEP
	MS2/R1 McARTHUR		LB I A N O T S H T & T L	PRE SLEEP	EVA 4 PROCEDURE RVW	PRE SLEEP		PRE SLEEP		SLEEP
	MS3/EV1 GRUNSFELD	POST EVA W/H2O	LB I A N O T S H T & T L	EMU SWAP	EVA 4 PROCEDURE RVW	PRE SLEEP	REBA-I PRE	PRE SLEEP		SLEEP
	MS4/EV3 MASSIMINO	POST EVA W/H2O	EVA 4 TOOL CONFIG	PS RL EE EP	EVA 4 PROCEDURE RVW	PRE SLEEP		PRE SLEEP		SLEEP
	MS5/EV2 FEUSTEL	POST EVA W/H2O	EVA 4 TOOL CONFIG	PS RL EE EP	EVA 4 PROCEDURE RVW	PRE SLEEP		PRE SLEEP		SLEEP
H S T	HST CMD	COS F/T AND SAFE	COS F/T DUMP	SI						
S T S	DAY/NIGHT ORBIT	76	77	78	79	80	81	82	83	84
	TDRS	W -171	E -46	Z -275						
	ORB ATT									
HST	HST FWD AXIS									
	SA ANGLE									
NOTES	*TERM #FILTER CK #INIT *HIGH *LOW									

FD07

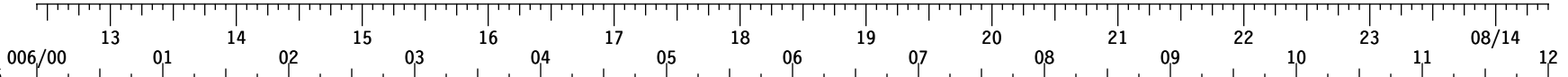
GMT 08/13/08 (226)
 β=18
 MET Day 005



S T S - 1 2 5	CDR/R1 ALTMAN	SLEEP	LOG POST SLEEP	PMC A/G	POST SLEEP	10:2 M	POST SLEEP	MCIU	P/TV 06 S/U	03 S /U	ROT*	G 2 E X P	EVA SETUP	RMS STIS SUPPORT					RMS NOBL 8 SUPPORT	MFR EGRS	P A R K	ROT +V3			
	PLT JOHNSON	SLEEP	POST SLEEP	B A T T L Y	EVA PREP	PURGE	EMU PRE BREATHE	D P R S	P/TV06 EVA 4 OPS	I C B C 2 2	P/TV06 EVA 4 OPS	I C B C 2 3	P E O P L E / T A S V 0 6	I C B C 2 4	I C B C 2 5	P/TV06 EVA 4 OPS					+S U R V E Y	P/TV 03 FSS ROT			
	MS1/EV4 GOOD	SLEEP	POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	D P R S	E & S E T U P	STIS REPAIR					NOBL 8	CLOSE OUT & INGRESS	P R E V I A									
	MS2/R2 McARTHUR	SLEEP	LOG POST SLEEP	EXERCISE	ROT*	S P U R T R C T	C A B T	S P U R T S C T	H T R C T	MEAL	S P U R T S C T	S P U R T R C T	S P U R T S C T	S P U R T S C T	Z X L V V	ROT +V3									
	MS3/EV1 GRUNSFELD	SLEEP	LOG POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	D P R S	EXERCISE	IVA EVA 4 SUPPORT					P R E V I A											
	MS4/EV3 MASSIMINO	SLEEP	POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	D P R S	E & S E T U P	STIS REPAIR					NOBL 8	CLOSE OUT & INGRESS	P R E V I A									
	MS5/EV2 FEUSTEL	SLEEP	LOG POST SLEEP	H L P / G T	EXERCISE	EVA 4 (6:30)					IVA EVA 4 SUPPORT					STIS/NOBL 8					P R E V I A				
H S T	HST CMD											STIS A/T	STIS F/T & SAFE					P R E V I A							
S T S	DAY/NIGHT	[Timeline bars for Day/Night]																							
	ORBIT	[Timeline bars for Orbit]																							
	TDRS	W -171	[Timeline bars for TDRS]																						
HST	ORB ATT	-ZLV -XVV												SUN PROTECT						-ZLV -XVV					
	HST FWD AXIS SA ANGLE	-V3 FWD												0						+V2 FWD					
NOTES	*CHECK												*+V2						*PWR DN						

FD07

GMT 08/13/08 (226)
 β=20
 MET Day 006



S T S - 1 2 5	CDR/R1 ALTMAN	10 2 M	G 2 C O N	EXERCISE	- Z L V V	- X L V V	PRE SLEEP	EVA 5 PROCEDURE RVW	PRE SLEEP	PMC A/G	PRE SLEEP	10 2 M	SLEEP
	PLT JOHNSON	EXERCISE	I M U	W C S #	H L / P G T	H C D B T C V	PRE SLEEP	EVA 5 PROCEDURE RVW	PRE SLEEP	B A T T #	PRE SLEEP		SLEEP
	MS1/EV4 GOOD	POST EVA W/H2O	L B I A N O T S & H T T L	I N I T	EMU SWAP	R E B A - I	PRE SLEEP	EVA 5 PROCEDURE RVW	PRE SLEEP				SLEEP
	MS2/R2 McARTHUR	M S I N V R O	S I M O I N I T	B A T T *	S I M O T E R M	H L / P G T	P P R E S L E E P	EVA 5 PROCEDURE RVW	PRE SLEEP				SLEEP
	MS3/EV1 GRUNSFELD	POST EVA W/H2O	L B I A N O T S & H T T L	I N I T	EMU SWAP	R E B A - I	PRE SLEEP	EVA 5 PROCEDURE RVW	PRE SLEEP				SLEEP
	MS4/EV3 MASSIMINO	POST EVA W/H2O	EVA 5 TOOL CONFIG			P R E S L E E P	EVA 5 PROCEDURE RVW	PRE SLEEP					SLEEP
	MS5/EV2 FEUSTEL	POST EVA W/H2O	EVA 5 TOOL CONFIG			P R E S L E E P	EVA 5 PROCEDURE RVW	PRE SLEEP					SLEEP
H S T	HST CMD	STIS F/T DUMP											
S T S	DAY/NIGHT	[Timeline with alternating black and white bars]											
	ORBIT	91	92	93	94	95	96	97	98	99			
	TDRS	W -171	E -46	Z -275	[Timeline with horizontal bars]								
HST	ORB ATT	-ZLV -YVV MNVR -ZLV -XVV											
	HST FWD AXIS SA ANGLE	+V3 FWD 0											
NOTES	#COMPACT *HIGH #INIT *TERM *LOW												

FD08

GMT 08/14/08 (227)
 β=21
 MET Day 006



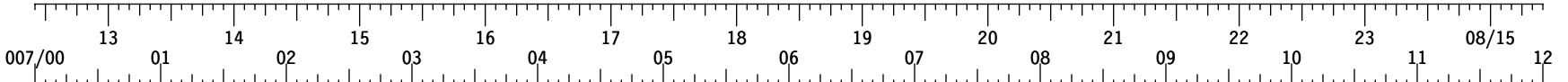
S T S - 1 2 5	CDR/R2 ALTMAN	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	10 2 M	POST SLEEP	EXERCISE	P/TV 06 S/U	P / T V 0 3	G 2 E X P	F E S I	S P U R T R C T	S P U R T R C T	MEAL	S P U R T S E T	S P U R T R C T	I M U	S P U R T S E T	F E S I T	P/TV 08 S/U	- X L V V	R O T *	HGA D P L Y P A R T 1	R O T *
	PLT JOHNSON	SLEEP	POST SLEEP	B A T T L E	EVA PREP	PURGE	EMU PRE BREATHE	P P R S	P/TV06 EVA 5 OPS				I C B C 2 6	P/TV06 EVA 5 OPS	I C B C 2 7	I C B C 2 8	I C B C 2 9	I C B C 3 0	P/TV06 EVA 5 OPS	+ S U R V E Y	P/TV 03 FSS R O T	P/TV 08 HGA D P L Y	P / T V 0 3		
	MS1/EV4 GOOD	SLEEP	POST SLEEP	A P P R I S I O N	EXERCISE	H L P A G E	EVA 5 (6:30)				IVA EVA 5 SUPPORT				FGS-2/ACS				P R T I M E S A						
	MS2/R1 McARTHUR	SLEEP	POST SLEEP	L O G	EXERCISE	M C I U	EVA SETUP	RMS FGS-2 SUPPORT				RMS ACS PT 2 SUPPORT				MFR R E L E A S E	P A R K	R O T *	HGA D P L Y P A R T 1	R O T *					
	MS3/EV1 GRUNSFELD	SLEEP	POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	P P R S	S E & O G R R T E S /	FGS-2 R&R				ACS PART II				SORTIE C/U & INGRESS		P R T I M E S A						
	MS4/EV3 MASSIMINO	SLEEP	POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	P P R S	EXERCISE	IVA EVA 5 SUPPORT				ACS PART II				SORTIE C/U & INGRESS		P R T I M E S A						
	MS5/EV2 FEUSTEL	SLEEP	POST SLEEP	EVA PREP	PURGE	EMU PRE BREATHE	P P R S	S E & O G R R T E S /	FGS-2 R&R				ACS PART II				SORTIE C/U & INGRESS		P R T I M E S A						
H S T	HST CMD					FGS-2				FGS-2 A/T				ACS*				ACS/ WFC A/T		O T T A 3		HGA D P L Y P A R T 1			
S T S	DAY/NIGHT ORBIT	99 100 101 102 103 104 105 106																							
	TDRS	W -171 E -46 Z -275																							
	ORB ATT	-ZLV -XVV SUN PROTECT SUN PROTECT -ZLV -XVV																							
HST	HST FWD AXIS SA ANGLE	+V3 FWD 0 *-V2 *-V3																							
	NOTES	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">FGS-2 BAY DOORS OPEN</div> <div style="border: 1px solid black; padding: 5px;">+V2 AFT SHROUD DOOR OPEN</div> </div>																							

FD08

GMT 08/14/08 (227)

β=23

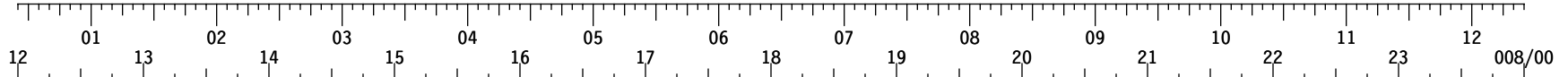
MET Day 007



S T S - 1 2 5	CDR/R2 ALTMAN	SA SLEW (90)	MRE NVS RST	REBOOST	-Z LVV	FUN TVR	G2 CON	HGA DPLY PART 2	PRE SLEEP	PMC A/G	PRE SLEEP	1 0 - 2 M	SLEEP				
	PLT JOHNSON	P/TV 03 FSS OPS	1 0 - 2 M	PSET TT VUP 07	P/TV07 HST REBOOST	PSE TT VUP 08	PSL EE P	P/TV 08 HGA DPLY	PRE SLEEP				SLEEP				
	MS1/EV4 GOOD	POST EVA W/H2O		LB IAN OTS HTT & L	EMU SWAP	RE BA - I		RNDZ TOOLS C/O	PRE SLEEP				SLEEP				
	MS2/R1 McARTHUR	SA SLEW (90)	PDI P*	BATI P*	HL /PG T	EXERCISE	PRE SLEEP	HGA DPLY PART 2	PRE SLEEP				SLEEP				
	MS3/EV1 GRUNSFELD	POST EVA W/H2O		LB IAN OTS HTT & L	EMU SWAP	RE BA - I			PRE SLEEP				SLEEP				
	MS4/EV3 MASSIMINO	POST EVA W/H2O							PRE SLEEP				SLEEP				
	MS5/EV2 FEUSTEL	POST EVA W/H2O		HL /PG T	PRE SLEEP	RNDZ TOOLS C/O			PRE SLEEP				SLEEP				
H S T	HST CMD	SA SLEW (90)					HGA DPLY PART 2	FGS-2 F/T	FGS-2 AMS F/T	ACS/ WFC F/T	ACS/ WFC F/T DUMP	ACS F/T & SAFE	ACS F/T DUMP	IN ER T	S EM P A C S	F S W	
S T S	DAY/NIGHT	[Timeline bars for Day/Night]															
	ORBIT	[Timeline bars for Orbit]															
	TDRS	[Timeline bars for TDRS]															
HST	ORB ATT	[Timeline bars for Orb Att]															
	HST FWD AXIS SA ANGLE	[Timeline bars for HST FWD Axis SA Angle]															
NOTES	*HIGH*TERM *LOW																

FD09

GMT 08/15/08 (228)
 β = 24
 MET Day 007

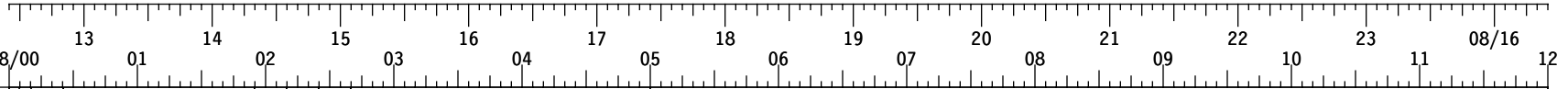


STS - 125	CDR/R2 ALTMAN	SLEEP	POST SLEEP	MCIU POST SLEEP	UMBCL HST UNBTH MNVN	HST REL PREP	SEP ^SEP RELEASE OPS	-ZLV -XV VV	FSS STOW	14.7 RPRS	CNFG	MEAL	EXERCISE
	PLT/R3 JOHNSON	SLEEP	POST SLEEP	GPWR PRUP B P/TVO8	POST SLEEP	P/TVO8 HST RELEASE	RELEASE OPS	GPWR PRDN B	P/TV 03 FSS OPS	MEAL	STBD WING RCC SRVY	MNOSE VRE	NOSE CAP SRVY
	MS1/EV4/R2 GOOD	SLEEP	POST SLEEP	HGR STPL	POST SLEEP	HREBA PGT	EVA PREP	P/TVO8 OPS	P/TV 03 S/U	MEAL	OBSS UNBRTH	STBD WING RCC SRVY	NOSE CAP SRVY
	MS2/R1 MCARTHUR	SLEEP	POST SLEEP	GPWR PRUP B HGR STPL	POST SLEEP	HST UNBTH MNVN	HST REL PREP	RELEASE OPS	GPWR PRDN B	MEAL	EXERCISE	NOSE CAP SRVY	
	MS3/EV1 GRUNSFELD	SLEEP	POST SLEEP	UMBCL BSA	EVA PREP	RELEASE OPS	FSS STOW	BCSON FIG	MEAL	EXERCISE	EVA TOOL STOW		
	MS4/EV3/R2 MASSIMINO	SLEEP	POST SLEEP	EVA PREP	RELEASE OPS	MEAL	OBSS UNBRTH	STBD WING RCC SRVY					
	MS5/EV2 FEUSTEL	SLEEP	POST SLEEP	EVA PREP	RELEASE OPS	POST DPLY PGSC CNFG	MEAL	EXERCISE	EVA TOOL STOW				
HST	HST CMD	BATT FTEA PSEAR TEST MODE TSRA IDME LG EXT OFF MAST XS 2 DOPE RN PREP HST RLS PLNG RAS MS RNO DR MES HTR DRS FGE FST ATT BO ATT TH OTA 2 OTA 3 GMBLS *											
STS	DAY/NIGHT ORBIT	114 115 116 117 118 119 120 121											
	TDRS	W -171 E -46 Z -275											
	HST	ORB ATT HST ATT SA ANGLE											
		-ZLV -XVV BIAS -XSI HST RELEASE SEP -ZLV -XVV BIAS +XSI -V3 FWD RMS +V3 SI BRIGHT EARTH AVOID 90 SUN TRACK											
NOTES		#PWR ON *TRSWCC											

***7/18:25**

FD09

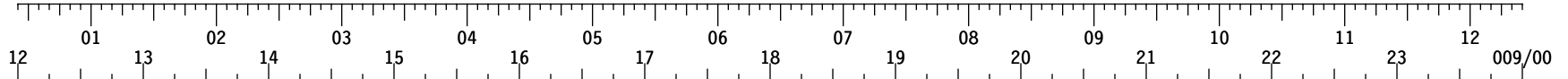
GMT 08/15/08 (228)
 β=26
 MET Day 008



S T S - 1 2 5	CDR/R2 ALTMAN	FEST M P N O R T	PORT WING RCC SRVY	-Z X L V V	F M U N V R	PMC OCA	PRE SLEEP	SLEEP		
	PLT/R3 JOHNSON	*	EXERCISE	IR CC BS C^			PRE SLEEP	SLEEP		
	MS1/EV4/R2 GOOD	⊕	EXERCISE	PRE SLEEP	OBSS BERTH		PRE SLEEP	SLEEP		
	MS2/R1 McARTHUR	♦	PORT WING RCC SRVY	PRE SLEEP		P D I P #	PRE SLEEP	SLEEP		
	MS3/EV1 GRUNSFELD		EVA TOOL STOW	PRE SLEEP	LDRI DNLK	P S L E E P L D O R L A I K	PRE SLEEP	SLEEP		
	MS4/EV3/R2 MASSIMINO		PORT WING RCC SRVY	OBSS BERTH			PRE SLEEP	SLEEP		
	MS5/EV2 FEUSTEL		EVA TOOL STOW				PRE SLEEP	SLEEP		
H S T	HST CMD			L G B U		2ND ARU ATTITUDE		FHST ALIGNMENT		
S T S	DAY/NIGHT	[Timeline with alternating black and white bars]								
	ORBIT	121	122	123	124	125	126	127	128	129
	TDRS	W -171	E -46	Z -275	[Timeline with horizontal bars]					
	ORB ATT	BIAS +XSI				-ZLV -XVV				
HST	HST ATT	BRIGHT EARTH AVOID								
	SA ANGLE	SUN TRACK								
	NOTES	*NOSE CAP SRVY		^REG RCNFG		#HIGH		*PL MAX		®/U FHST A
		⊕NOSE CAP SRVY								
		♦NOSE CAP SRVY								

FD10

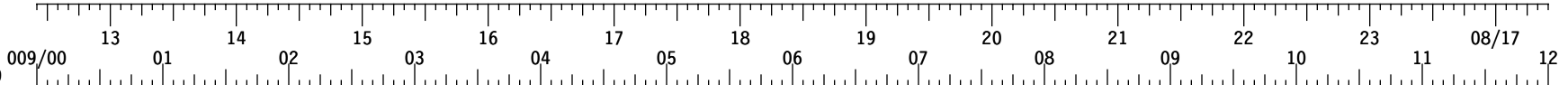
GMT 08/16/08 (229)
 β=27
 MET Day 008



S T S - 1 2 5	CDR/R2 ALTMAN	SLEEP	MNVN POST SLEEP				PS A E T U P	HDTV CREW CONF	OA OMS BURN	Z X L V V	OFF DUTY	MEAL	OFF DUTY	PFC OCA	EXERCISE	OFF DUTY
	PLT JOHNSON	SLEEP	POST SLEEP	SIMO INIT	POST SLEEP	SIMO TERM	P O N S T R	HDTV CREW CONF	OMS BURN	M C I U	OFF DUTY	MEAL	OFF DUTY	PFC OCA	EXERCISE	OFF DUTY
	MS1/EV4 GOOD	SLEEP	POST SLEEP					HDTV CREW CONF			OFF DUTY	MEAL	OFF DUTY	PFC OCA	EXERCISE	OFF DUTY
	MS2/R1 McARTHUR	SLEEP	POST SLEEP	P D I P *	POST SLEEP	R P M W S R D N	HDTV CREW CONF			OFF DUTY	MEAL	OFF DUTY	PFC OCA	EXERCISE		
	MS3/EV1 GRUNSFELD	SLEEP	POST SLEEP					HDTV CREW CONF			OFF DUTY	MEAL	OFF DUTY	PFC OCA	EXER CISE	
	MS4/EV3/R2 MASSIMINO	SLEEP	POST SLEEP				R P M W S R D N	HDTV CREW CONF			OFF DUTY	MEAL	OFF DUTY			PFC OCA
	MS5/EV2 FEUSTEL	SLEEP	POST SLEEP	#PCCO	POST SLEEP		HDTV CREW CONF			OFF DUTY	MEAL	OFF DUTY				
S T S	DAY/NIGHT	[Timeline with day/night indicators]														
	ORBIT	[Timeline with orbit parameters]														
	TDRS	[Timeline with TDRS parameters: W -171, E -46, Z -275]														
	ORB ATT	[Timeline with orbit attitude parameters: -ZLV -XVV, -ZLV -YVV, COMM, OA, -MLA, -DFR, -ZLV -XVV]														
GND	[Timeline with ground parameters: -MLA, -DFR, -MLA, -DFR, -MLA]															
NOTES	*LOW #CH 2															

FD10

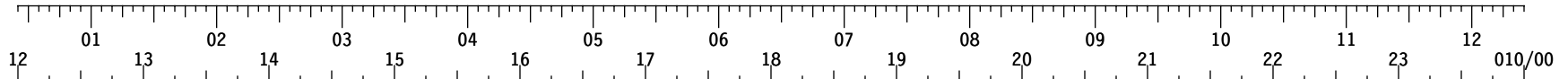
GMT 08/16/08 (229)
 β = 29
 MET Day 009



STS - 125	CDR/R2 ALTMAN	OFF DUTY		PS AE OT UP	IC SA SL L	PS RL EE EA/G	PRE SLEEP	SLEEP				
	PLT JOHNSON	OFF DUTY		PRE SLEEP	IC SA SL L		PRE SLEEP	SLEEP				
	MS1/EV4 GOOD	OFF DUTY		PRE SLEEP	IC SA SL L	COM MM 1	PRE SLEEP	SLEEP				
	MS2/R1 McARTHUR	OFF DUTY		PI RM EU	IC SA SL L	PD IR PE *	PRE SLEEP	SLEEP				
	MS3/EV1 GRUNSFELD	EXER CISE	OFF DUTY	PRE SLEEP	IC SA SL L		PRE SLEEP	SLEEP				
	MS4/EV3/R2 MASSIMINO	EXERCISE		OFF DUTY	PRE SLEEP	IC SA SL L		PRE SLEEP	SLEEP			
	MS5/EV2 FEUSTEL	OD FU TY	PFC OCA	EXERCISE	PRE SLEEP	IC SA SL L		PRE SLEEP	SLEEP			
STS	DAY/NIGHT	[Timeline with Day/Night indicators]										
	ORBIT	137 138 139 140 141 142 143 144										
	TDRS	W -171 E -46 Z -275										
	ORB ATT	-ZLV -XVV										
	GND	-DFR -MLA										
NOTES	*HIGH *LOW											

FD11

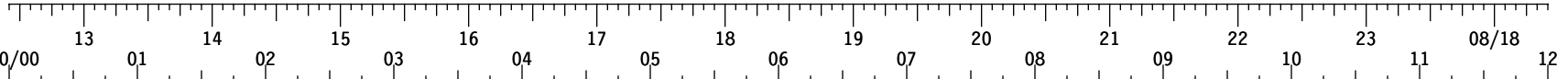
GMT 08/17/08 (230)
 β = 30
 MET Day 009



STS - 125	CDR/R2 ALTMAN	SLEEP	LOG	POST SLEEP	POST SLEEP	FCS C/O	RFCS RHE HOT	PILOT OPS	D/O PREP BRIEF	MEAL	PS A O T U P	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	HPE D A V E T O E N T	CABIN STOW		
	PLT JOHNSON	SLEEP	LOG	POST SLEEP	FILTER CLEANING	POST SLEEP	FCS C/O	RFCS RHE HOT	PILOT OPS	D/O PREP BRIEF	MEAL	SD S E V A C T	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	HPE D A V E T O E N T	EV S I E D T R E U R E Y O P	EXER CISE
	MS1/EV4 GOOD	SLEEP	LOG	POST SLEEP	CABIN STOW	EXERCISE	CABIN STOW	D/O PREP BRIEF	MEAL	CABIN STOW	L-1 C O M M C H K	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	L-1 C O M M C H K	HPE D A V E T O E N T	POST EVA ENT PREP		
	MS2/R1 McARTHUR	SLEEP	LOG	POST SLEEP	CABIN STOW	FCS C/O	RFCS RHE HOT	PILOT OPS	D/O PREP BRIEF	MEAL	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	HPE D A V E T O E N T	EXERCISE			
	MS3/EV1 GRUNSFELD	SLEEP	LOG	POST SLEEP	CABIN STOW	EXERCISE	CABIN STOW	D/O PREP BRIEF	MEAL	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	HPE D A V E T O E N T	POST EVA ENT PREP				
	MS4/EV3/R2 MASSIMINO	SLEEP	LOG	POST SLEEP	CABIN STOW	D/O PREP BRIEF	MEAL	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	EXERCISE	HPE D A V E T O E N T	POST EVA ENT PREP						
	MS5/EV2 FEUSTEL	SLEEP	LOG	POST SLEEP	EXERCISE	CABIN STOW	D/O PREP BRIEF	MEAL	CABIN STOW	HPE D A V E T O E N T	CP R H E O W T O	CABIN STOW	HPE D A V E T O E N T	POST EVA ENT PREP					
STS	DAY/NIGHT	[Timeline bars for day/night cycle]																	
	ORBIT	144	145	146	147	148	149	150	151	152									
	TDRS	W -171	E -46	Z -275	[Timeline bars for TDRS parameters]														
	ORB ATT	-ZLV -XVV			-MLA			RCS HF	-MLA			-DFR -MLA			-ZLV -XVV			-DFR -MLA	
GND	*HEATER ACT																		
NOTES																			

FD11

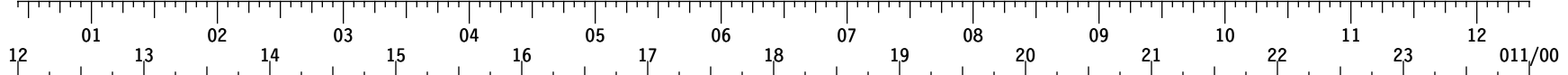
GMT 08/17/08 (230)
 β = 32
 MET Day 010



S T S - 1 2 5	CDR/R2 ALTMAN	EXERCISE		ERG STOW	I M U	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP								
	PLT JOHNSON	EXER CISE	CABIN STOW	ERG STOW	I C B C	PRE SLEEP		SLEEP									
	MS1/EV4 GOOD	P D I P *	P D I P *	W D L E A S T	K U S T W	M A D S *	P S L E E P	C O M M 2	PRE SLEEP		SLEEP						
	MS2/R1 McARTHUR	CABIN STOW		PRE SLEEP		SLEEP											
	MS3/EV1 GRUNSFELD	CABIN STOW		PRE SLEEP		SLEEP											
	MS4/EV3/R2 MASSIMINO	CABIN STOW		PRE SLEEP		SLEEP											
	MS5/EV2 FEUSTEL	CABIN STOW	PGSC STOW PART I	PRE SLEEP		SLEEP											
S T S	DAY/NIGHT	[Timeline with alternating light and dark bars]															
	ORBIT	152	153		154		155		156		157		158		159		160
	TDRS	W -171	E -46		Z -275		[Timeline with horizontal bars]										
	ORB ATT	-ZLV -XVV															
	GND	-DFR															
NOTES	*HIGH *LOW		*PWR ON														

FD12

GMT 08/18/08 (231)
 β = 33
 MET Day 010



STS-125	CDR/R2 ALTMAN	POST SLEEP	PMCA/G	POST SLEEP	WAIT CH	IMU ALIGN	T-RX KSI	DEORBIT PREP		
	PLT JOHNSON	POST SLEEP			WARRUP	POST SLEEP	IIACCUCCI	DEORBIT PREP		KSC
	MS1/EV4 GOOD	POST SLEEP					MADS*	DEORBIT PREP	D/O	♦
	MS2/R1 McARTHUR	POST SLEEP			WARRUP	PSOLSTEP	SDSEACT	DEORBIT PREP	TIG*	LANDING
	MS3/EV1 GRUNSFELD	POST SLEEP			WARRUP	TPAEWPRCCN	SDSEACT	DEORBIT PREP	TIG*	LANDING
	MS4/EV3/R2 MASSIMINO	POST SLEEP					OSCTAOCW	DEORBIT PREP	TIG*	LANDING
	MS5/EV2 FEUSTEL	POST SLEEP					WARRUP	PGSCSTOWPARTII	DEORBIT PREP	

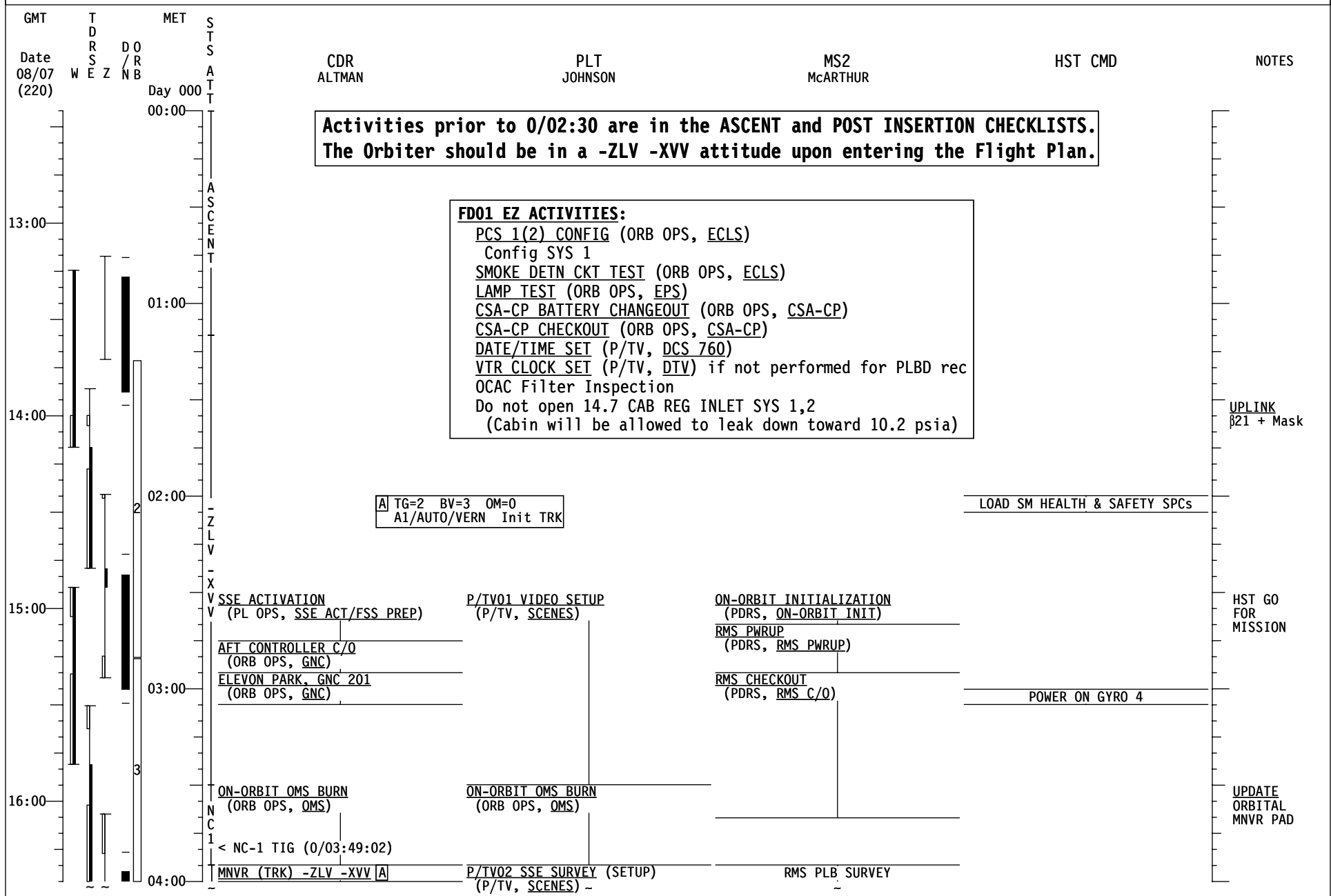
STS	DAY/NIGHT	ORBIT	160	161	162	163	164	165	166	167	
	TDRS	W -171	[Timeline bars]								
		E -46	[Timeline bars]								
		Z -275	[Timeline bars]								
	ORB ATT		-ZLV -XVV		IMU		-XSI/COMM		ENTRY		
	GND						-MLA		-MLA		
									-DFR -MLA		
									-DFR -MLA		
									-DFR -MLA		

NOTES *DEACT *ENABLE *D/O TIG 10/18:54 MIDODRINE♦ *KSC LANDING 10/20:03

DETAILED TIMELINE

DETAILED
TIMELINE

STS-125 (FD01)



A TG=2 BV=3 OM=0
 A1/AUTO/VERN Init TRK

V SSE ACTIVATION
 V (PL OPS, SSE ACT/FSS PREP)
 AFT CONTROLLER C/O
 (ORB OPS, GNC)
 ELEVON PARK, GNC 201
 (ORB OPS, GNC)

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

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

RMS PWRUP
 (PDRS, RMS PWRUP)

RMS CHECKOUT
 (PDRS, RMS C/O)

ON-ORBIT OMS BURN
 (ORB OPS, OMS)

ON-ORBIT OMS BURN
 (ORB OPS, OMS)

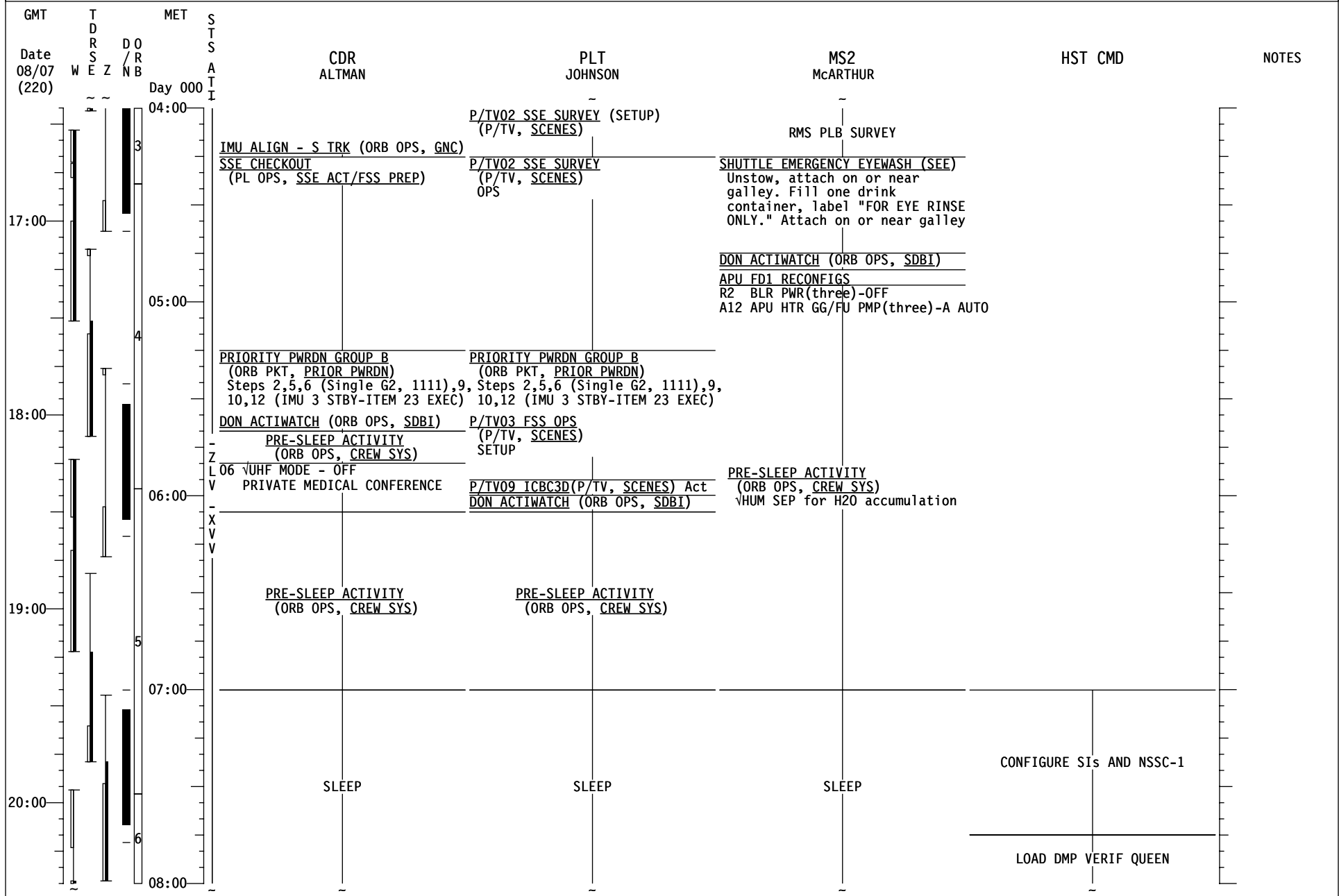
< NC-1 TIG (0/03:49:02)

MNVR (TRK) -ZLV -XVV A

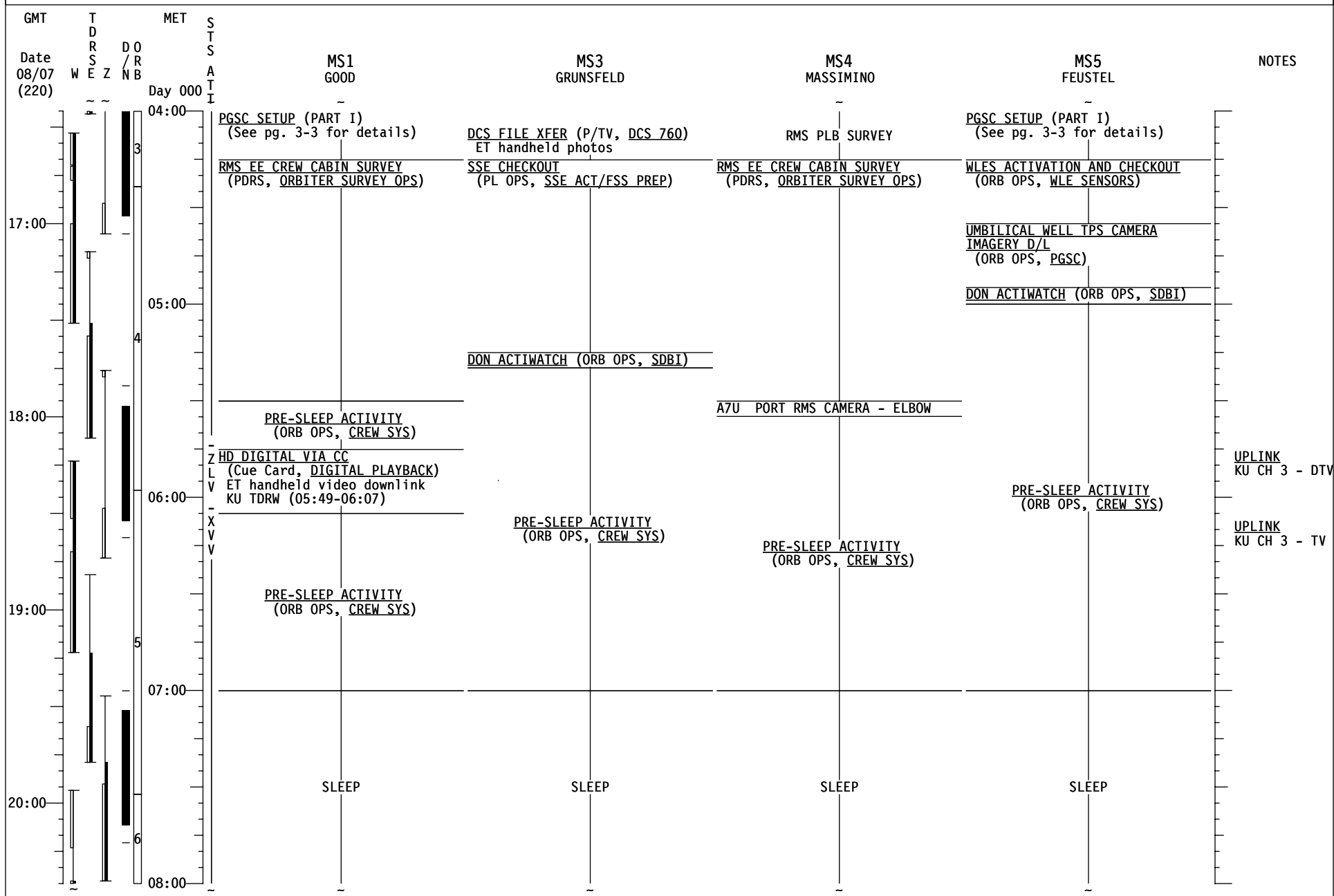
P/TV02 SSE SURVEY (SETUP)
 (P/TV, SCENES)

RMS PLB SURVEY

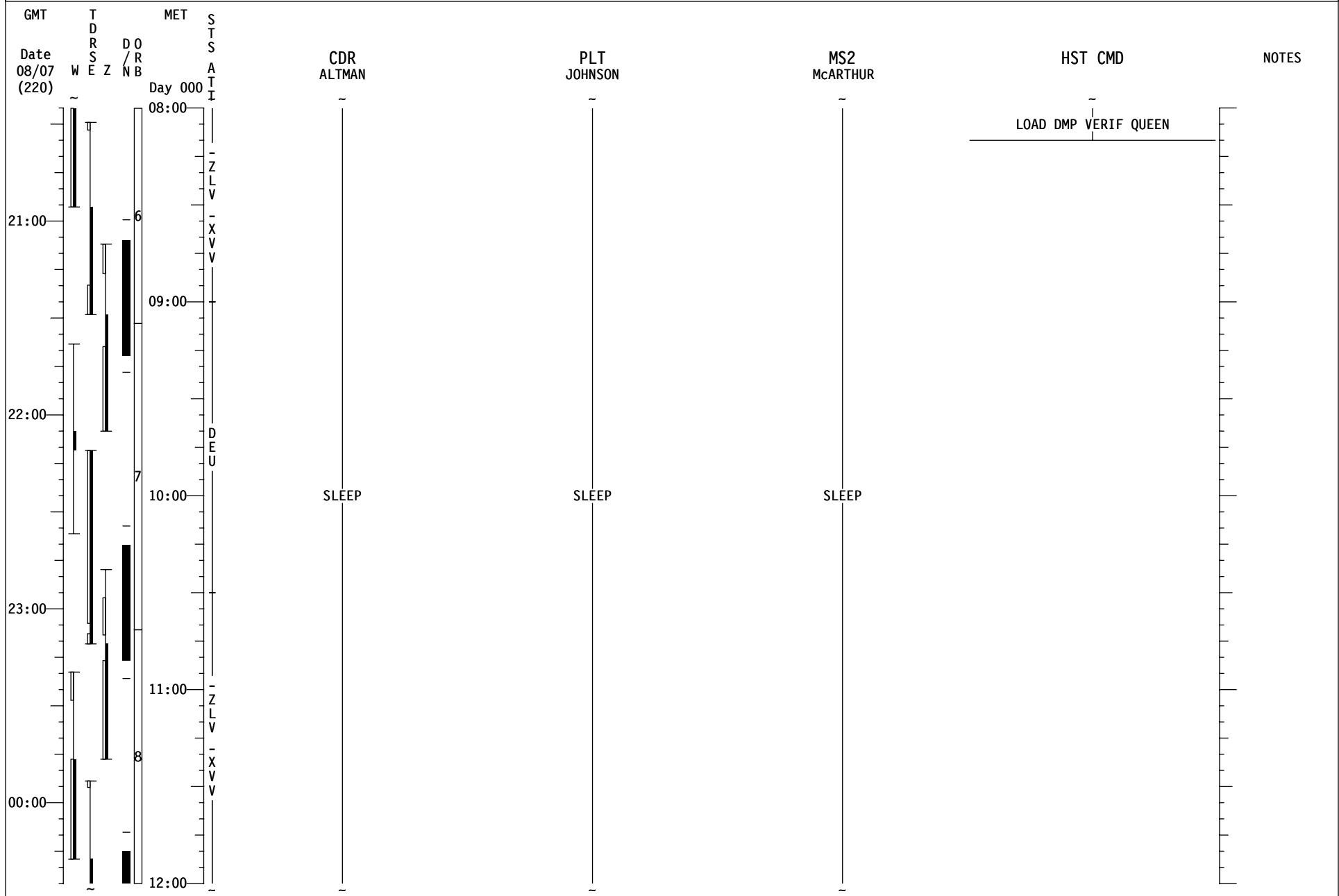
STS-125 (FD01)



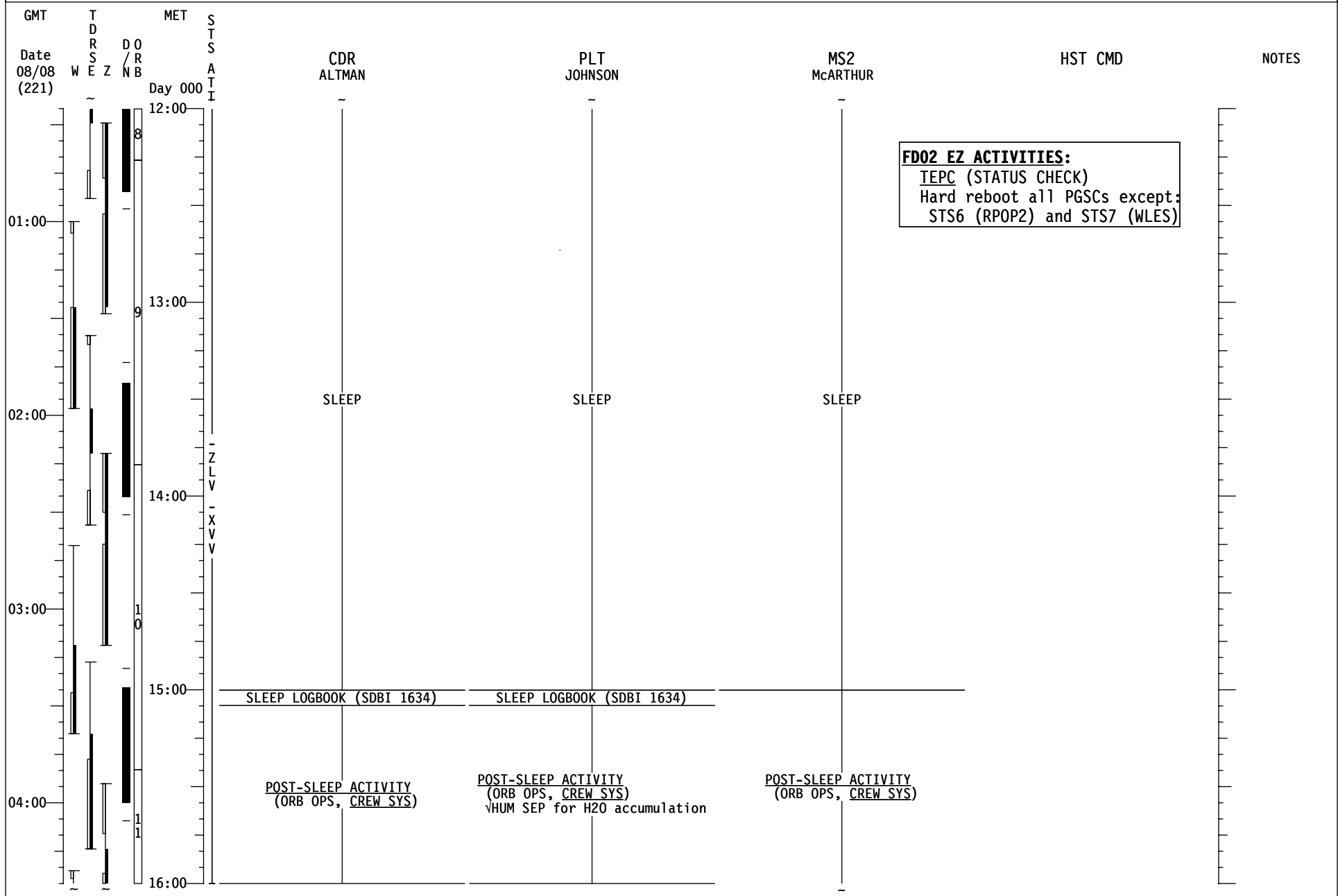
STS-125 (FD01)



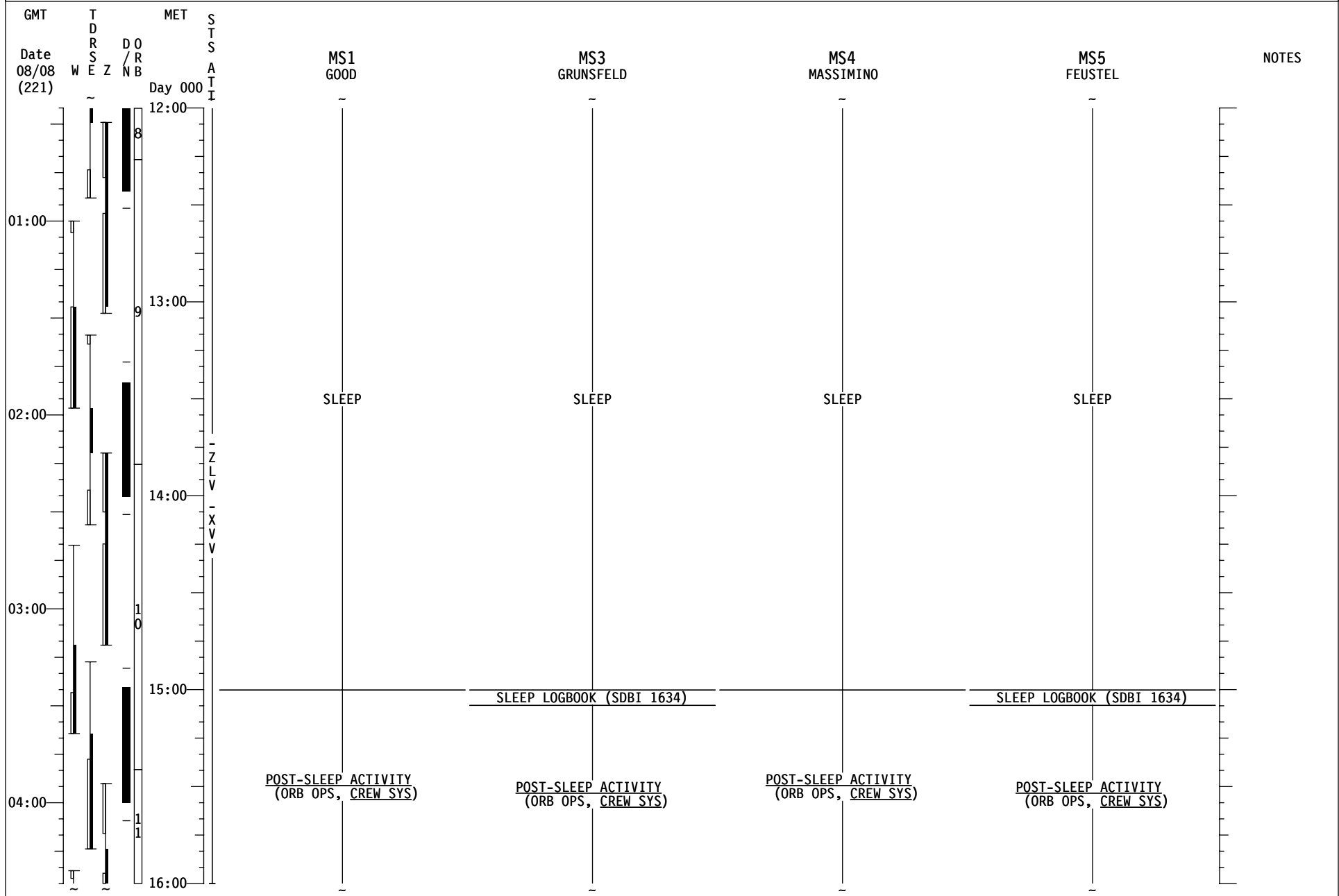
STS-125 (FD01)



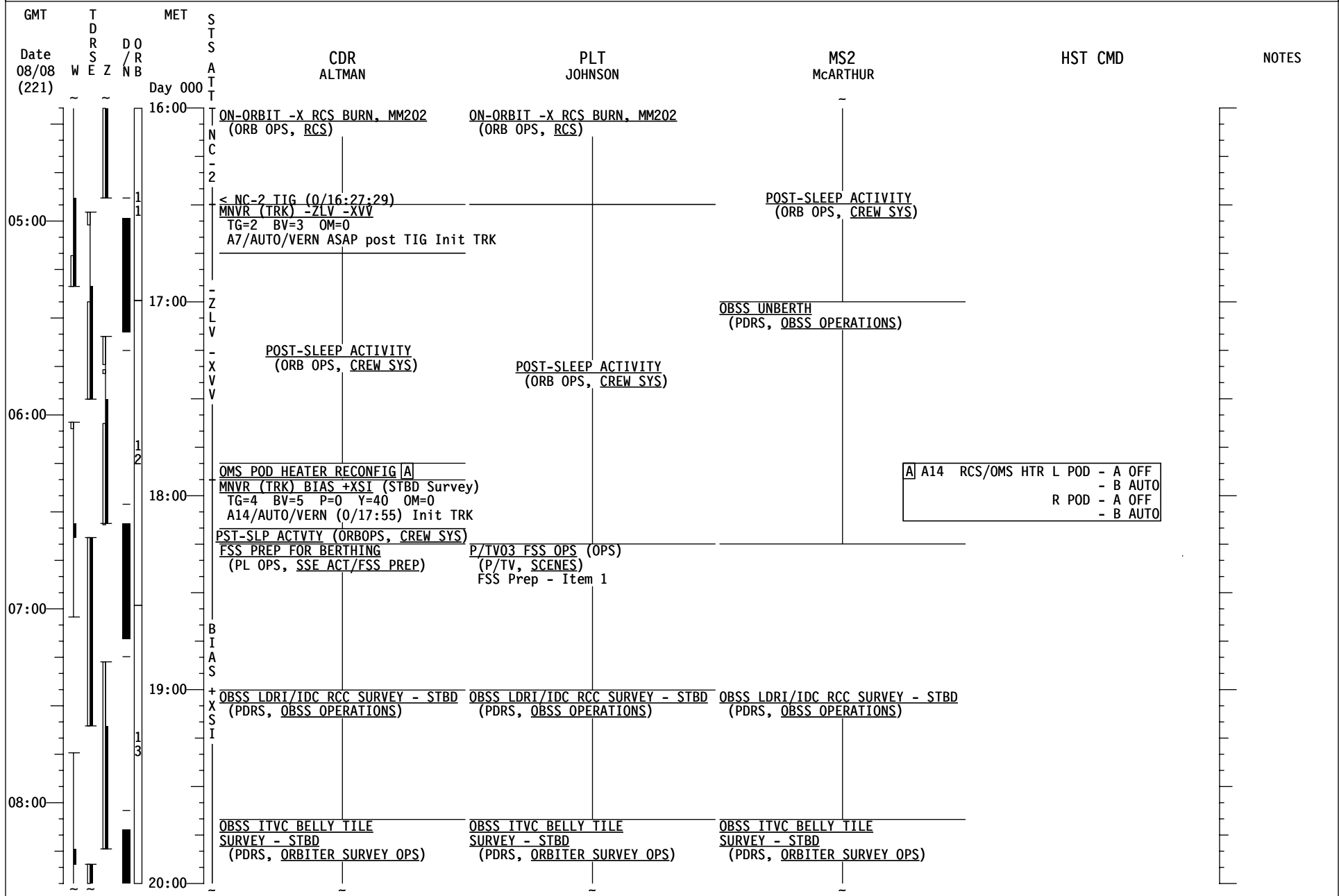
STS-125 (FD02)



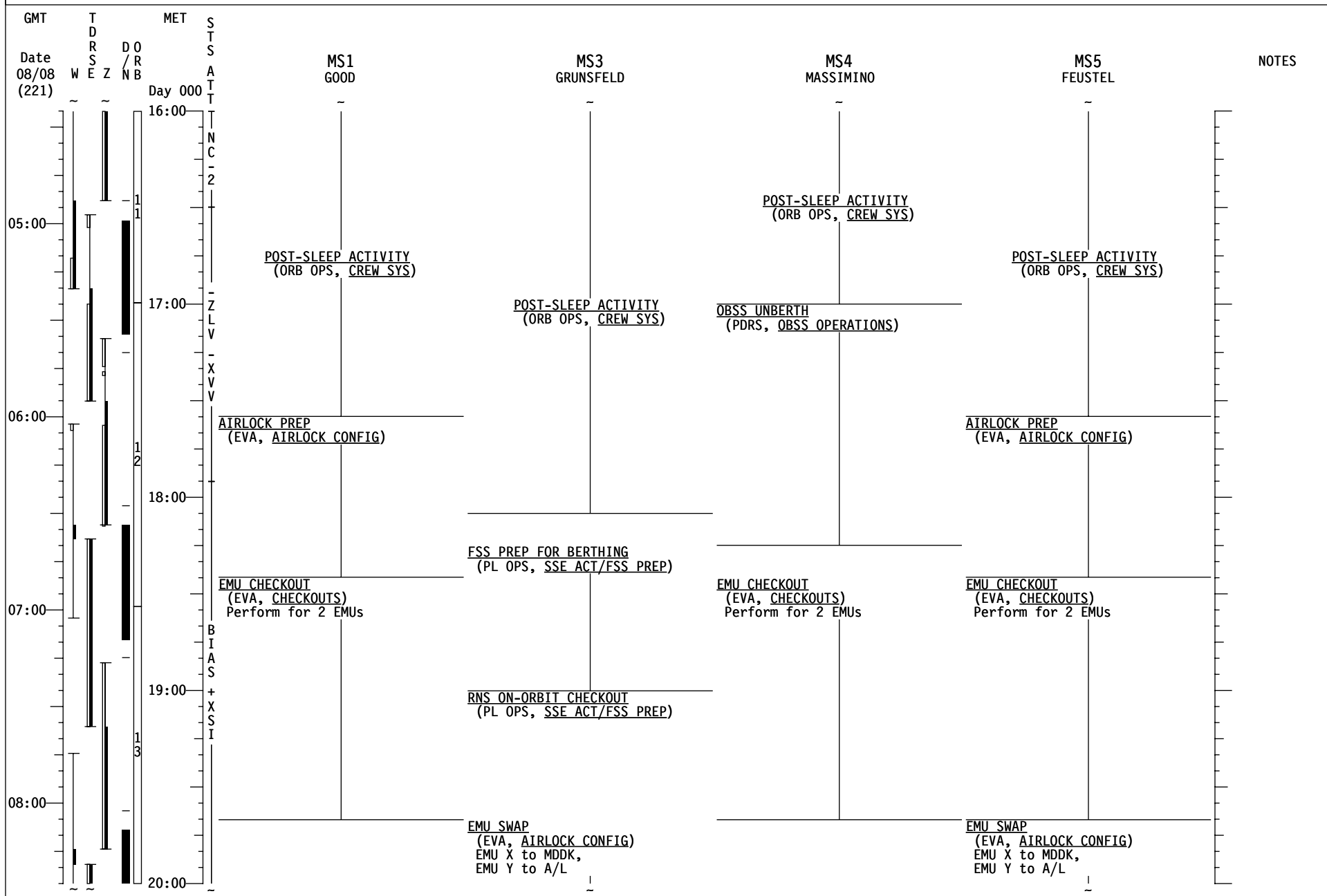
STS-125 (FD02)



STS-125 (FD02)



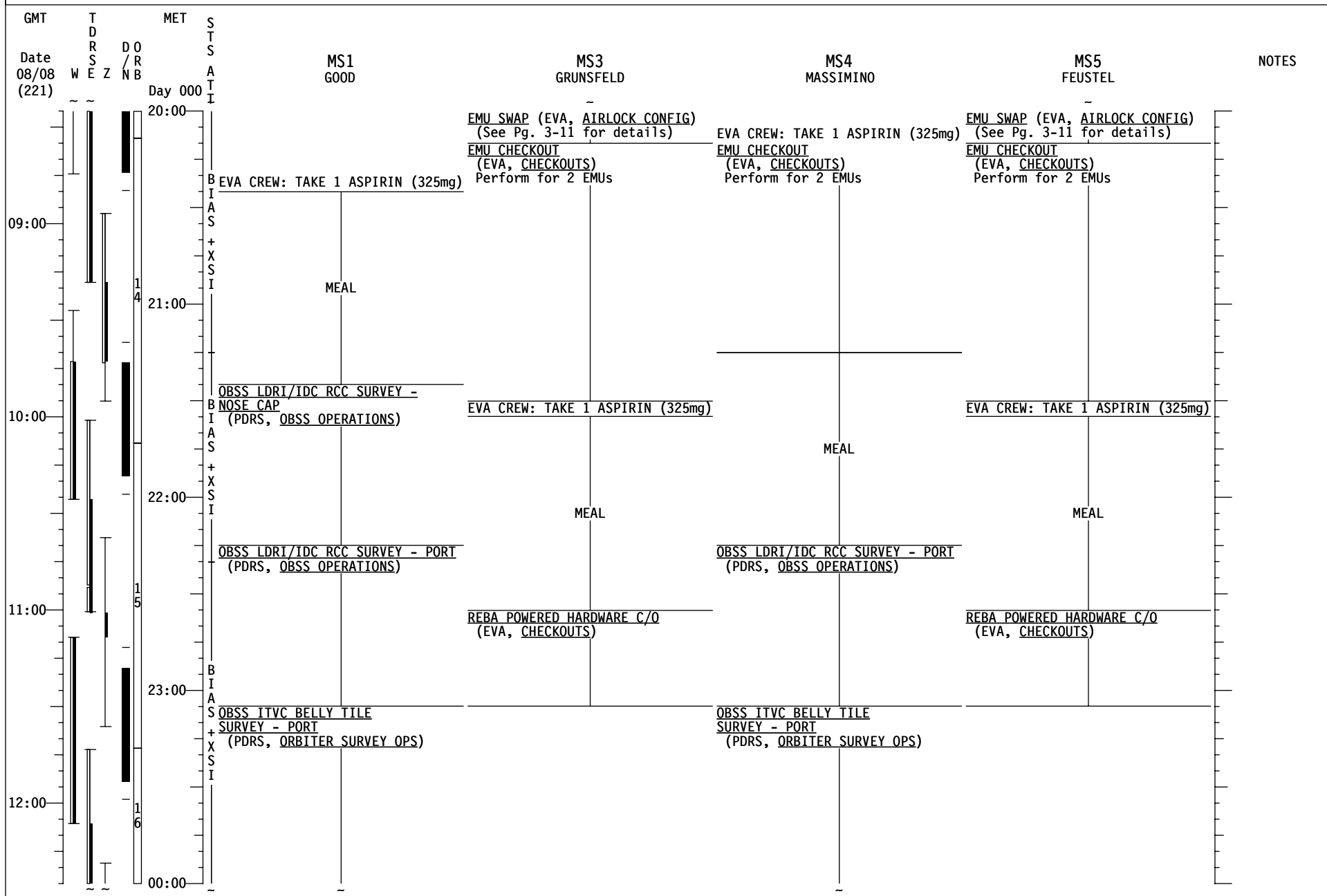
STS-125 (FD02)



STS-125 (FD02)

GMT	TDRS W E Z	MET D O R / R N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/08 (221)			Day 000					
20:00				OBSS ITVC BELLY TILE SURVEY - STBD (PDRS, ORBITER SURVEY OPS)	OBSS ITVC BELLY TILE SURVEY - STBD (PDRS, ORBITER SURVEY OPS)	OBSS ITVC BELLY TILE SURVEY - STBD (PDRS, ORBITER SURVEY OPS)		
				OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		
09:00			B I A S +					
			X S I					
21:00								
				MNVR (TRK) BIAS +XSI (Nose Srvy) TG=4 BV=5 P=330 Y=0 OM=278 A14/AUTO/VERN Init TRK				
10:00			B I A S +	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)		MEAL	
			X S I					
22:00								
					L10 VTR SWAP 3 HR TAPE			
11:00				MEAL	MEAL	MNVR (TRK) BIAS +XSI (Port Srvy) TG=4 BV=5 P=0 Y=323 OM=0 A14/AUTO/VERN Init TRK		
						OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)		
23:00			B I A S +					
			X S I					
12:00				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)			
00:00						OBSS ITVC BELLY TILE SURVEY - PORT (PDRS, ORBITER SURVEY OPS)		

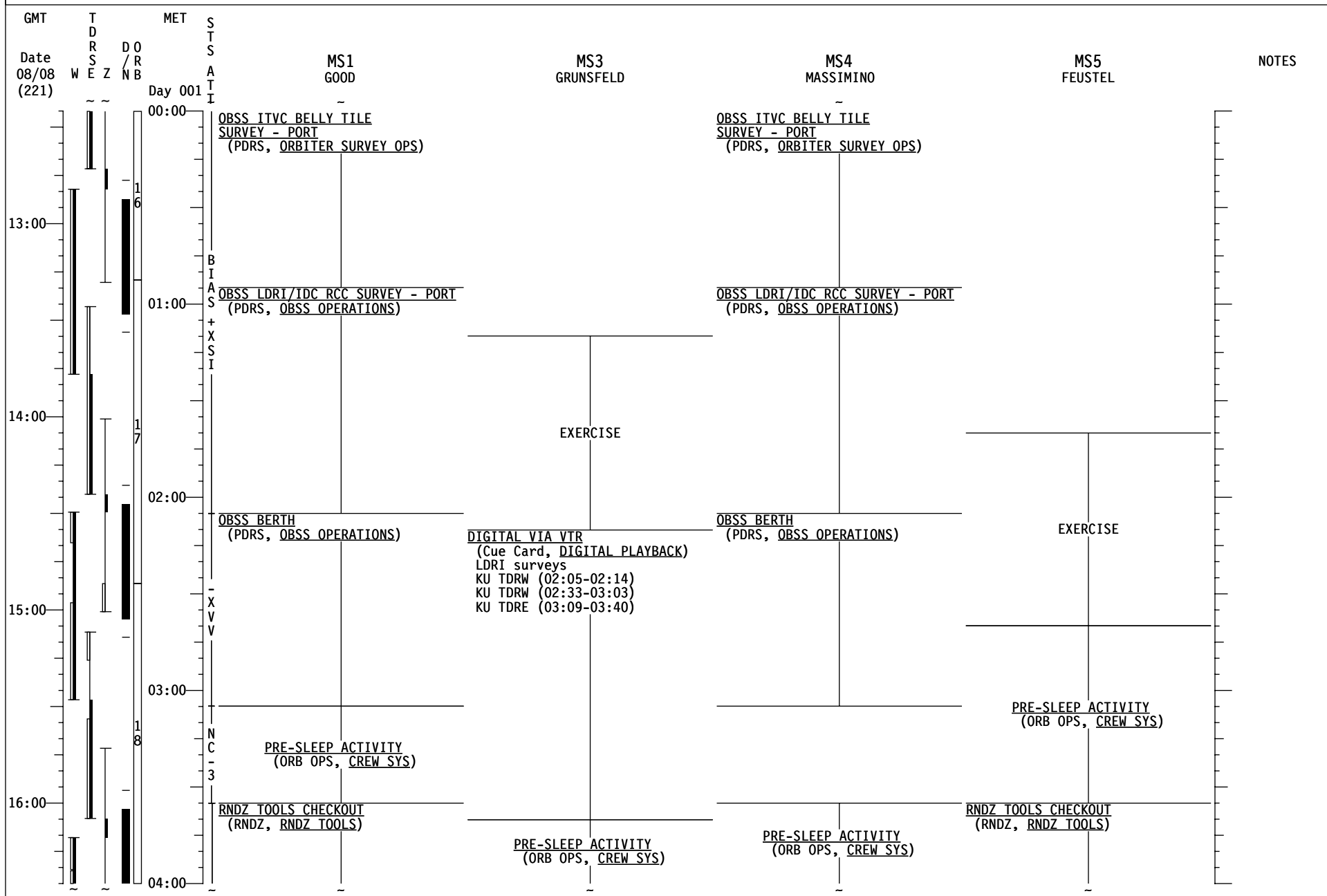
STS-125 (FD02)



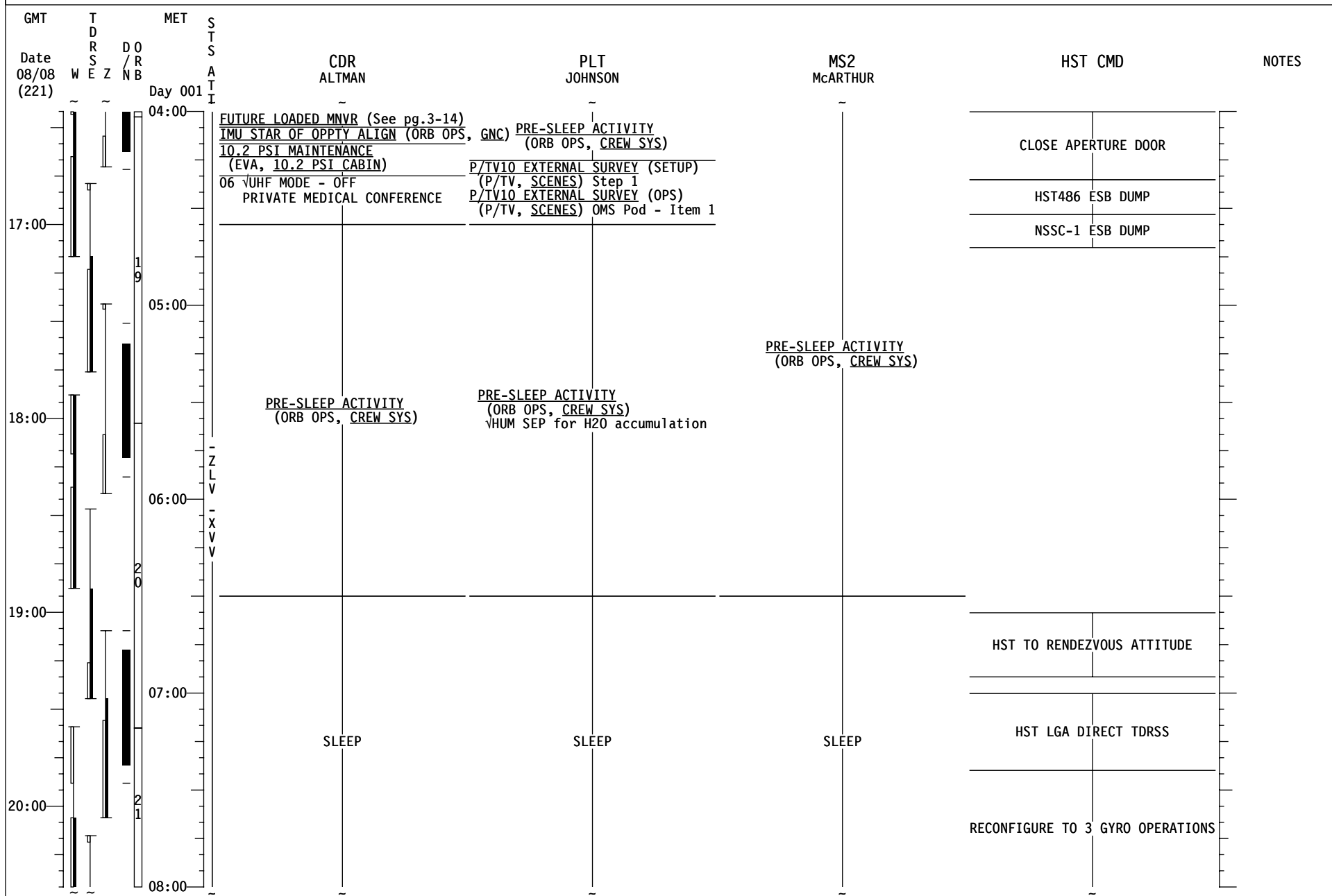
STS-125 (FD02)

GMT	TDRS W E Z	MET D O R N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/08 (221)			Day 001					
00:00				<u>10.2 PSI CABIN CONFIG</u> (EVA, 10.2 PSI CABIN)	<u>10.2 PSI CABIN CONFIG</u> (EVA, 10.2 PSI CABIN)	<u>OBSS ITVC BELLY TILE SURVEY - PORT</u> (PDRS, ORBITER SURVEY OPS)		
				<u>CYCLE ERGOMETER OPS</u> (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	<u>P/TV09 ICBC3D (NOMINAL)</u> (P/TV, SCENES) SETUP			
13:00					<u>P/TV09 ICBC3D (AUDIO RECORDER)</u> (P/TV, SCENES) Setup, Pwrup, & Placement			
					<u>P/TV01 VIDEO SETUP</u> (P/TV, SCENES)	<u>OBSS LDRI/IDC RCC SURVEY - PORT</u> (PDRS, OBSS OPERATIONS)	PLAYBACK SSRs	
01:00				EXERCISE				
14:00				<u>FILTER CLEANING</u> (IFM, SCHEDULED MAINTENANCE) Wait to perform MCIU Filter Cleaning until no SRMS Ops are in work				
02:00						<u>MNVR (TRK) -ZLV -XVV</u> TG=2 BV=3 OM=0 A14/AUTO/VERN Init TRK		
						<u>FC PURGE - MANUAL</u> (ORB OPS, EPS)		
15:00						<u>CRYO O2 TK HTR SNSR CK</u> (ORB OPS, EPS)		
				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
03:00				<u>ON-ORBIT -X RCS BURN, MM202</u> (ORB OPS, RCS)	<u>ON-ORBIT -X RCS BURN, MM202</u> (ORB OPS, RCS)	<u>FC MONITORING SYS (FCMS) OPS</u> (ORB OPS, EPS)		
				< NC-3 TIG (1/03:30:50)				
16:00				<u>MNVR (TRK) -ZLV -XVV</u> TG=2 BV=3 OM=0 A7/AUTO/VERN ASAP post TIG, Init TRK	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>L17 Check MCIU filter screen</u>		
				<u>FUTURE LOADED MNVR (Simo Dump)</u> TG=2 BV=5 P=90 Y=300 OM=270 A1/AUTO/VERN (1/15:50) Init TRK		<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
04:00								

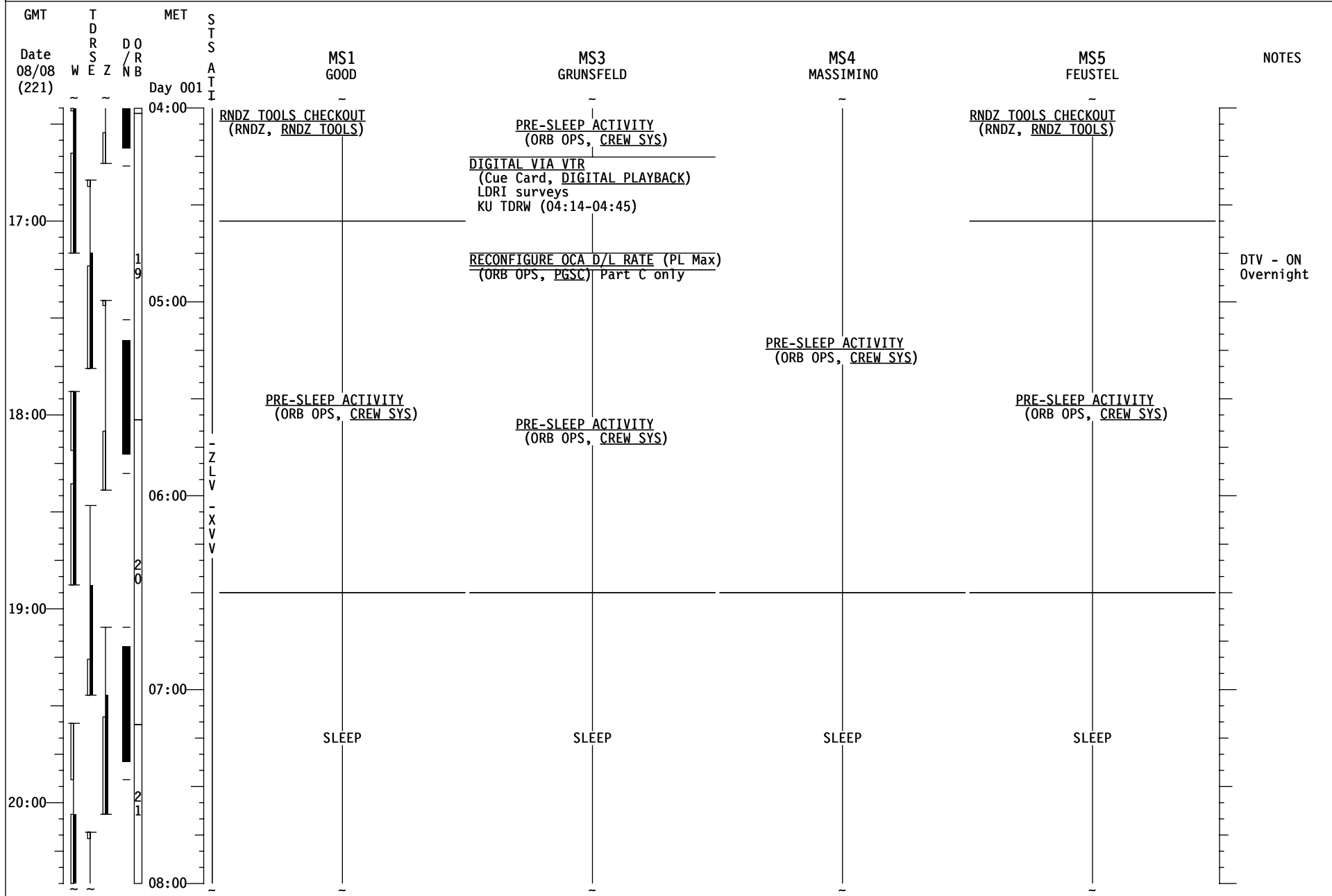
STS-125 (FD02)



STS-125 (FD02)

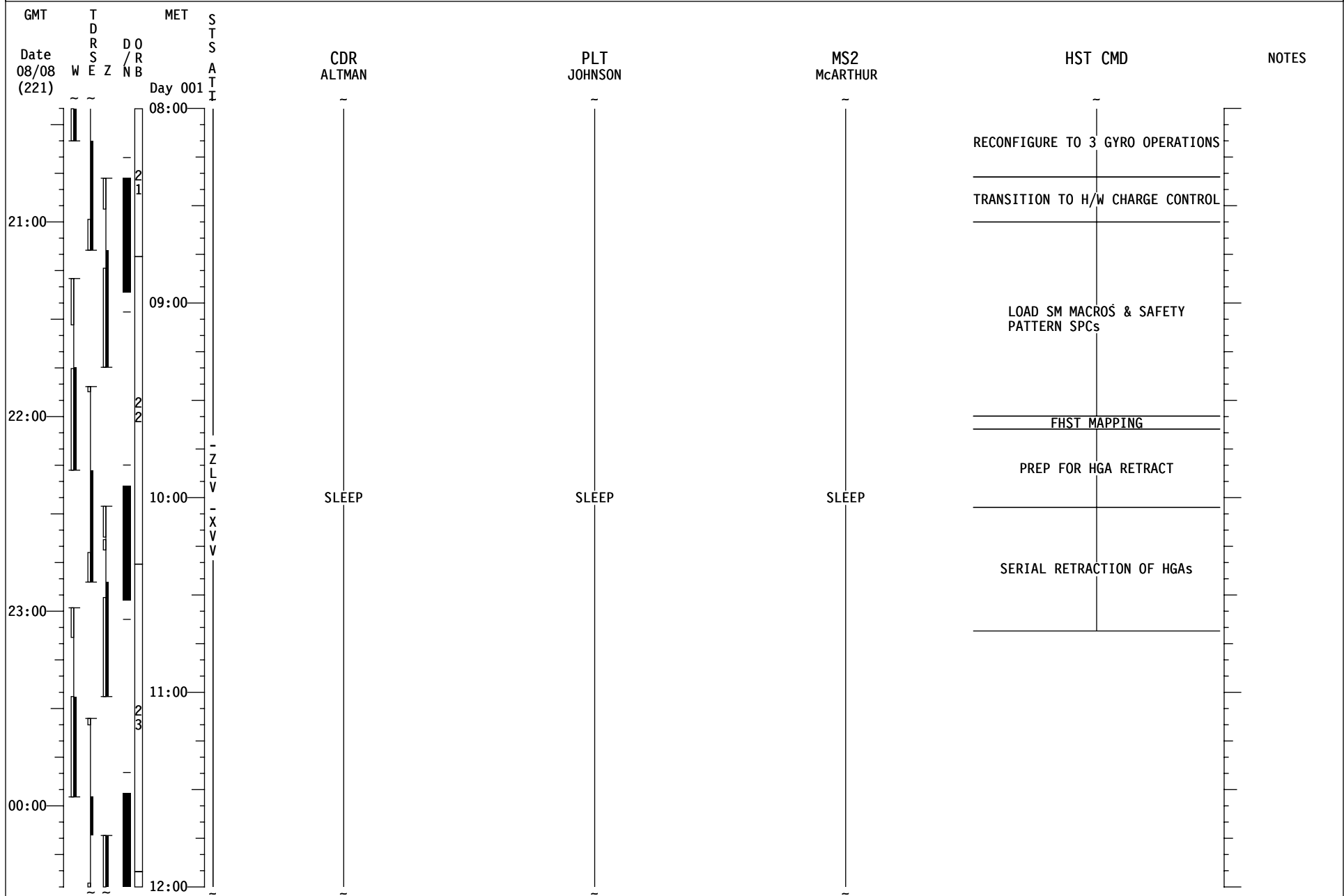


STS-125 (FD02)

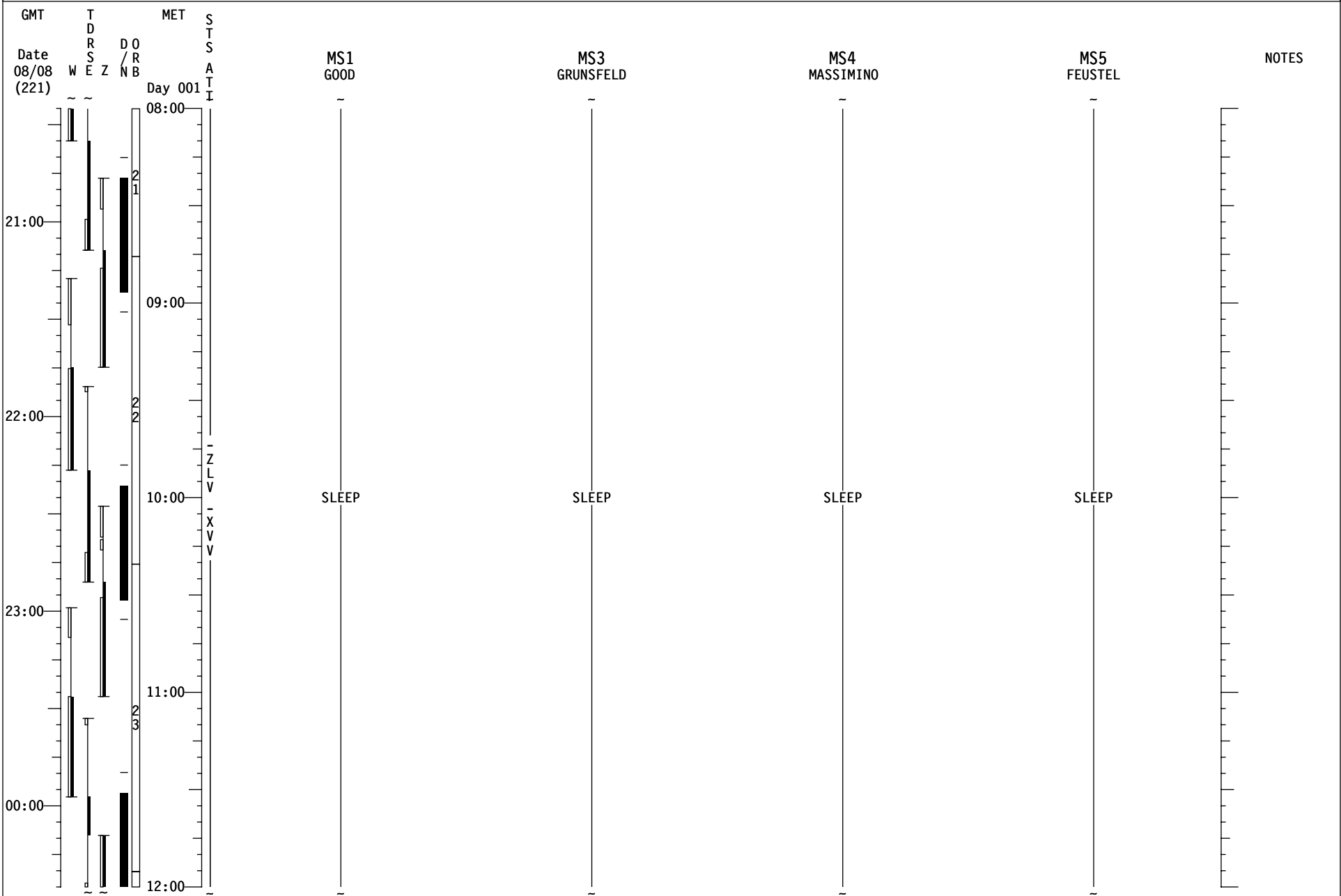


DTV - ON Overnight

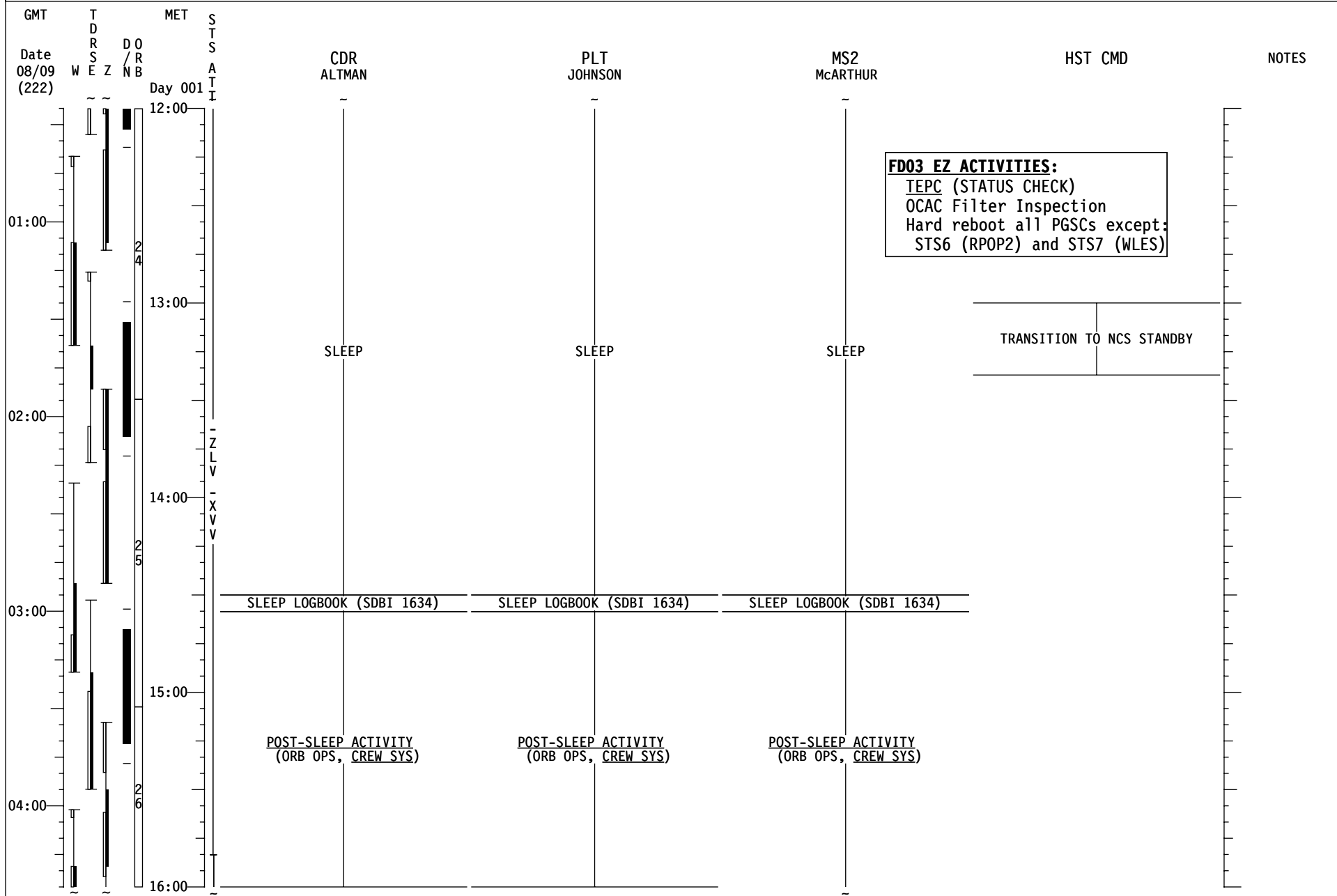
STS-125 (FD02)



STS-125 (FD02)

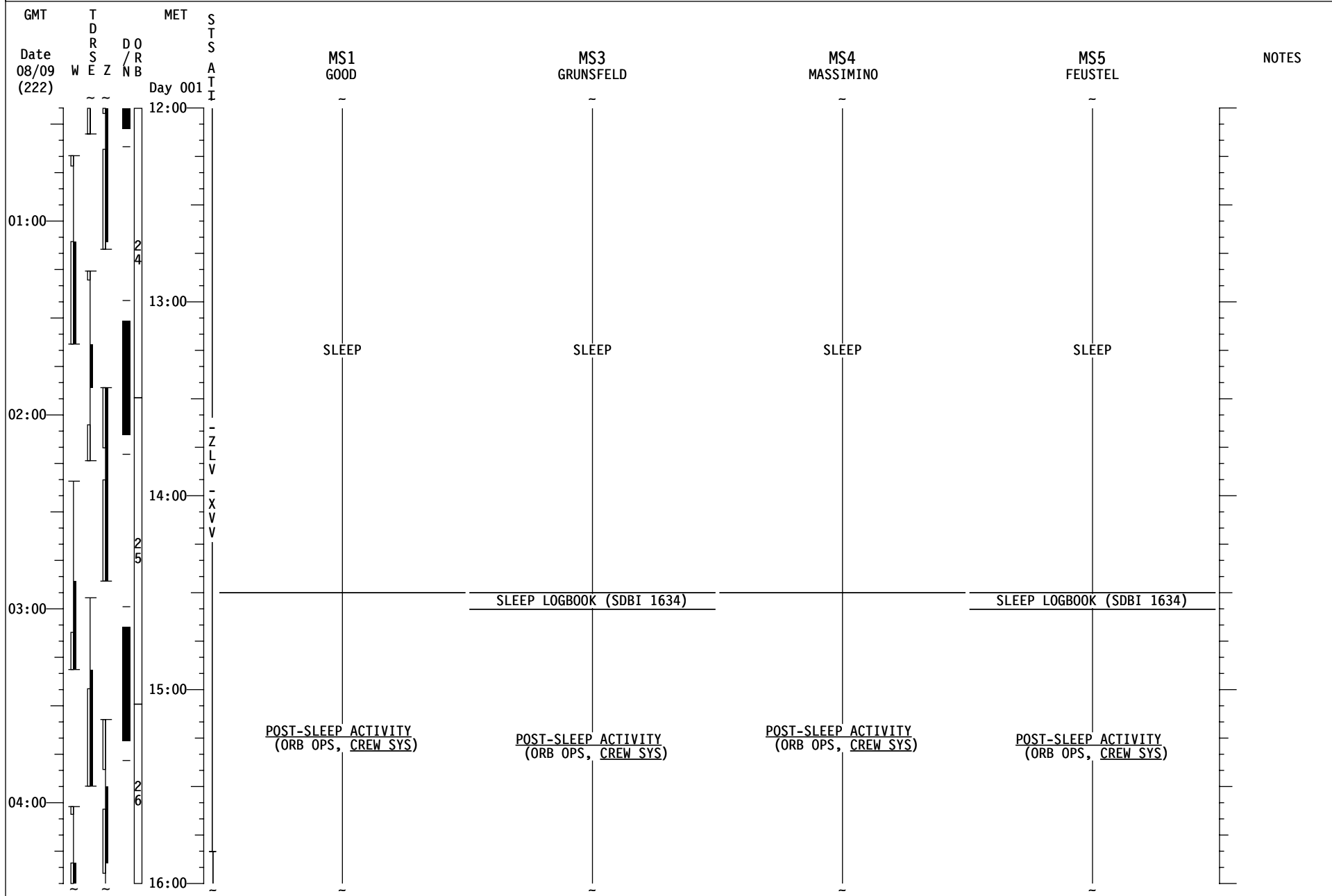


STS-125 (FD03)

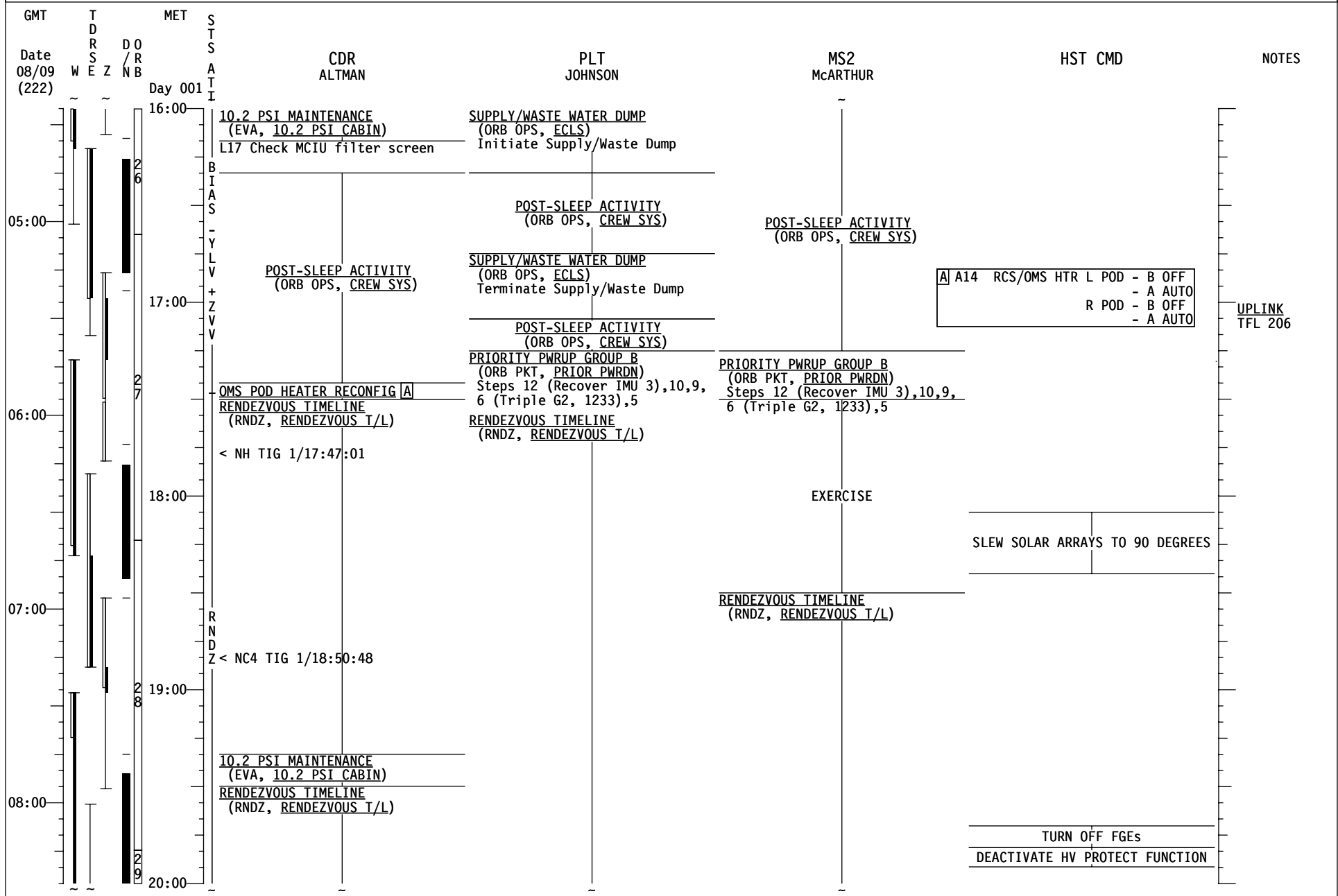


FD03 EZ ACTIVITIES:
 TEPC (STATUS CHECK)
 OCAC Filter Inspection
 Hard reboot all PGSCs except:
 STS6 (RPOP2) and STS7 (WLES)

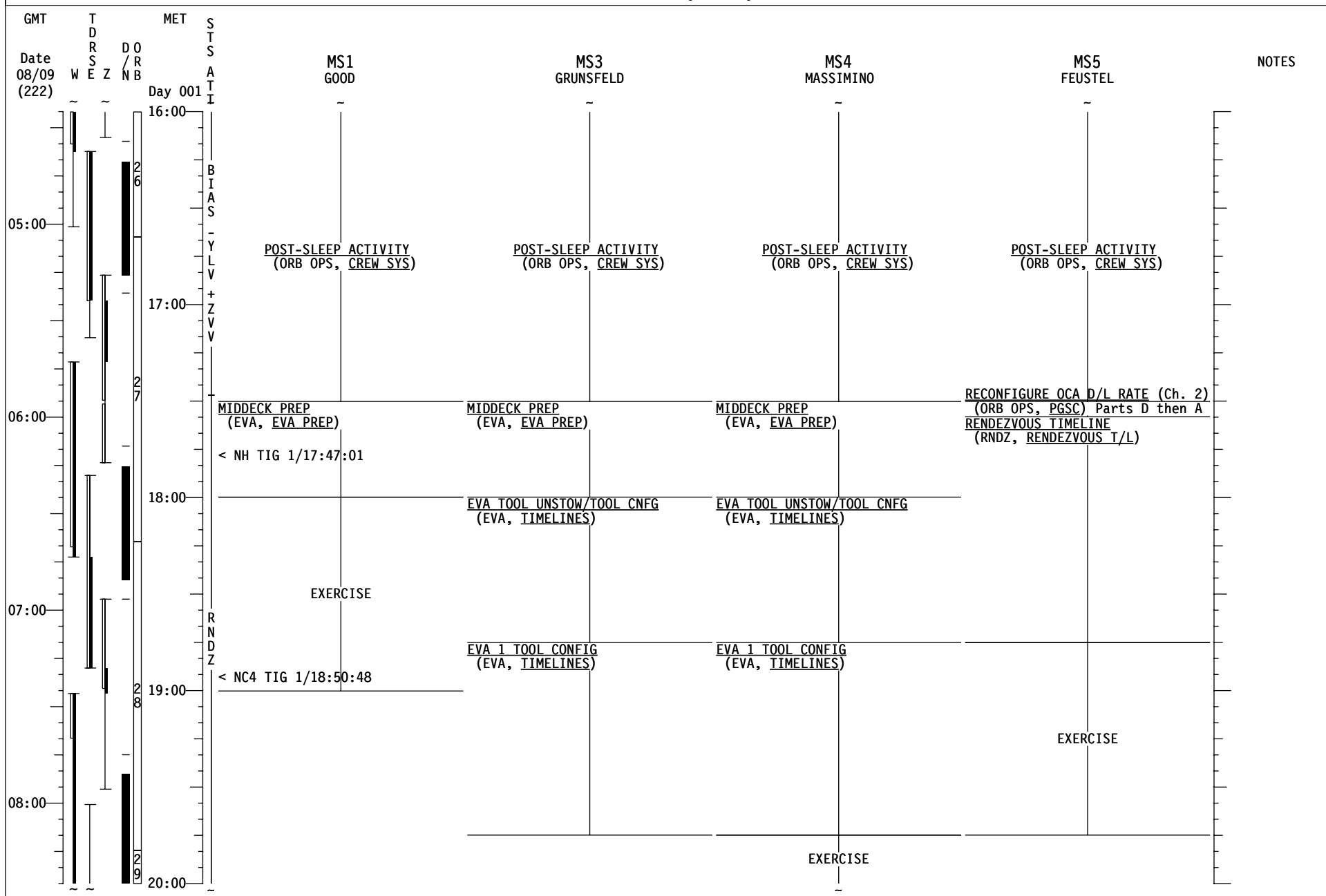
STS-125 (FD03)



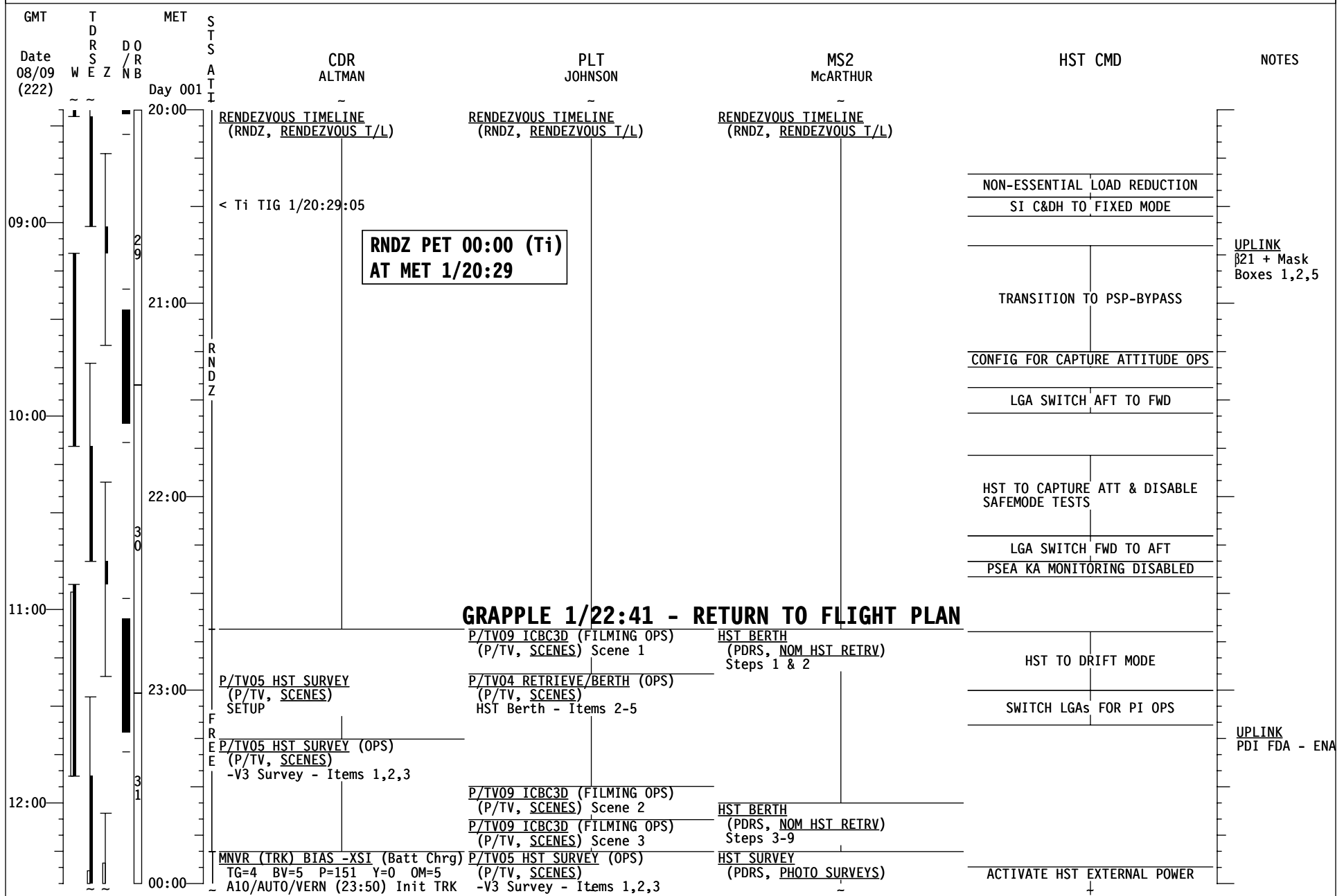
STS-125 (FD03)



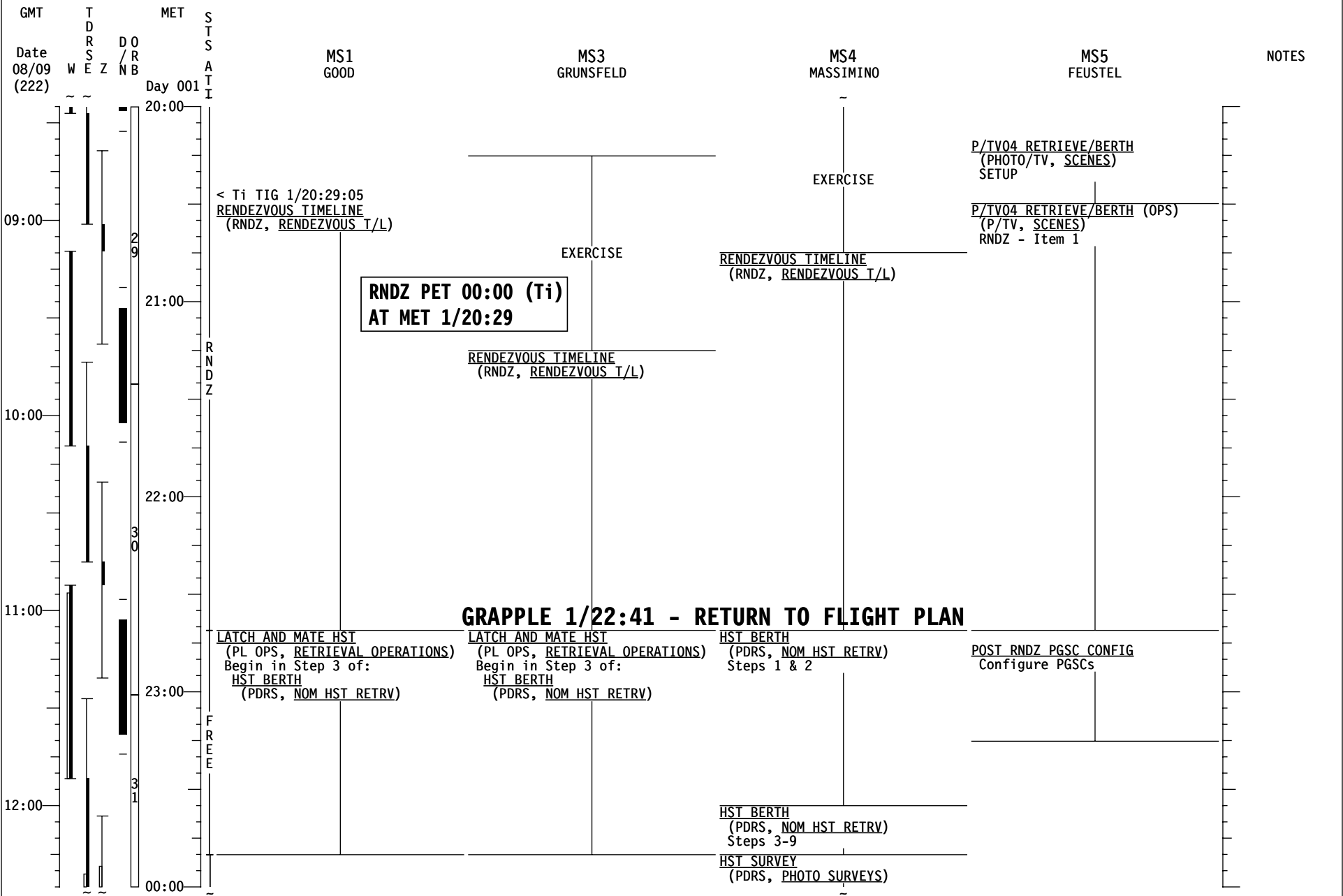
STS-125 (FD03)



STS-125 (FD03)



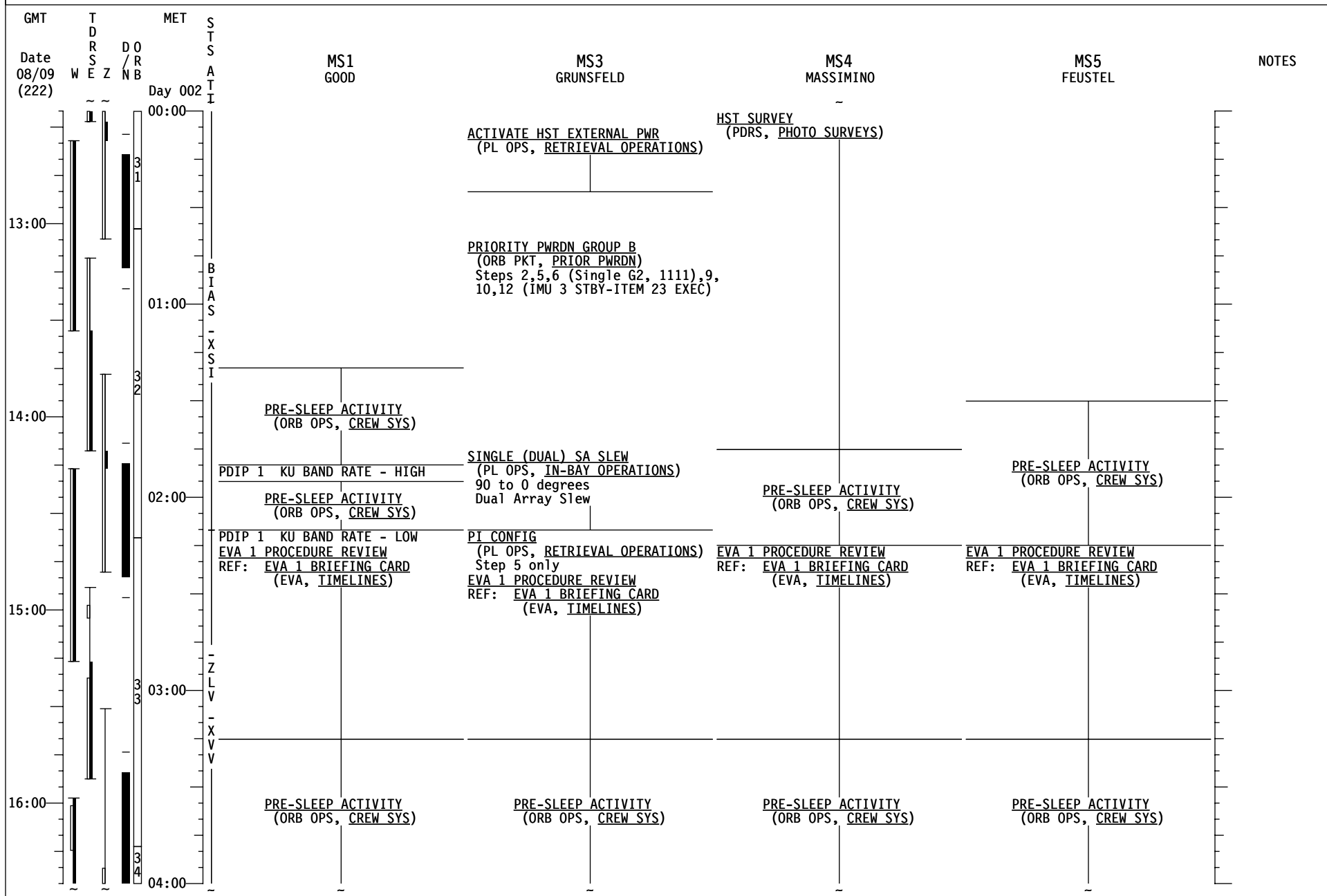
STS-125 (FD03)



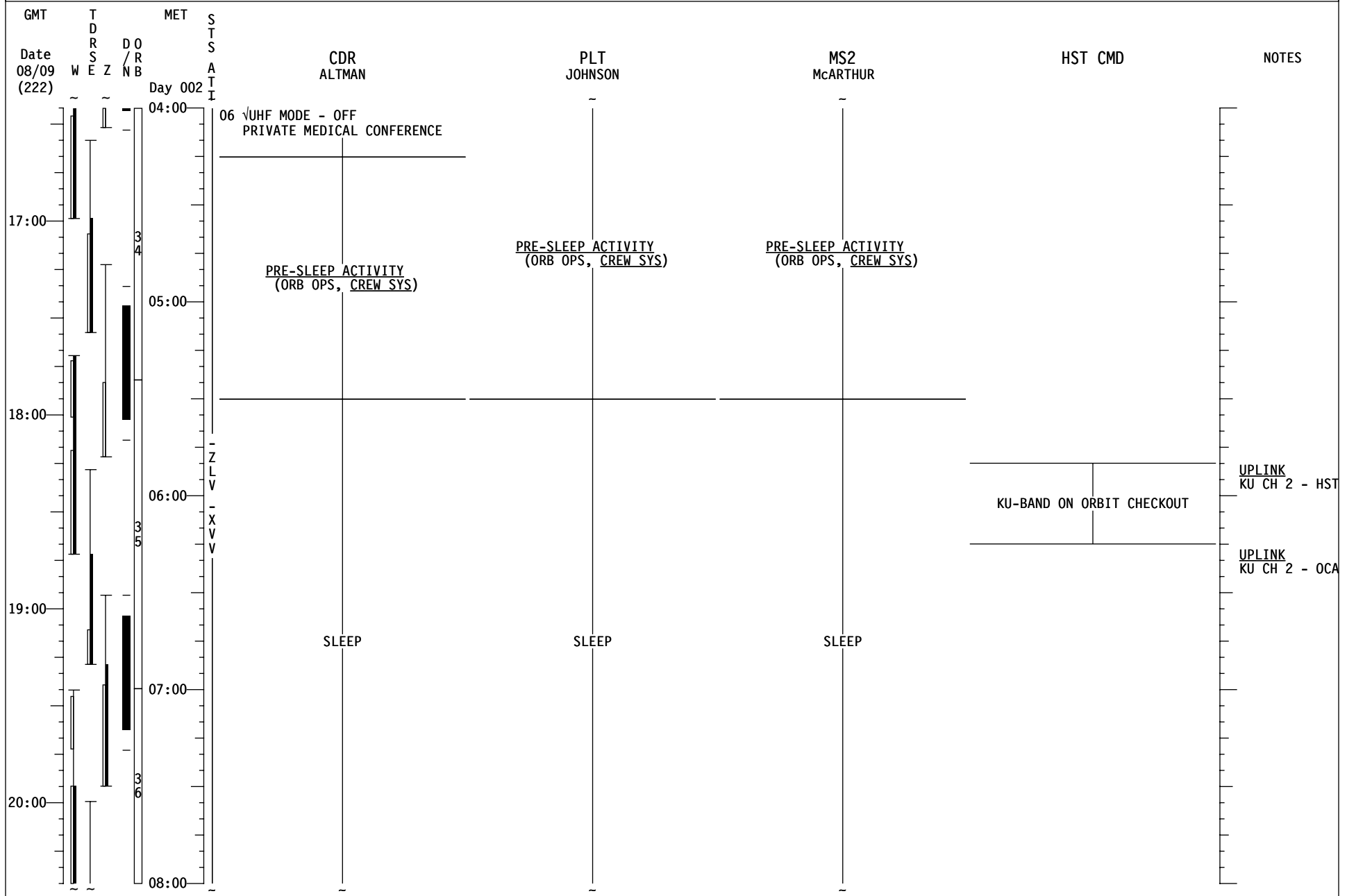
STS-125 (FD03)

GMT	TDRS W E Z	MET D O R N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/09 (222)		Day 002						
00:00				ACTIVATE HST EXTERNAL PWR (PL OPS, RETRIEVAL OPERATIONS)	P/TV05 HST SURVEY (OPS) (P/TV, SCENES) -V3 Survey - Items 1,2,3	HST SURVEY (PDRS, PHOTO SURVEYS)	ACTIVATE HST EXTERNAL POWER	UPLINK β21 + Mask Boxes 1,2
13:00				PRIORITY PWRDN GROUP B (ORB PKT, PRIOR PWRDN) Steps 2,5,6 (Single G2, 1111),9, 10,12 (IMU 3 STBY-ITEM 23 EXEC)			ENABLE STAGE 1 OTA HEATER GROUPS FGEs ON	
14:00				P/TV03 FSS OPS (P/TV, SCENES) SETUP			ENABLE STAGE 2 OTA HEATER GROUPS	
				IMU ALIGN - S TRK (ORB OPS, GNC)			RECOVER SI C&DH TO NORMAL MODE	
02:00				SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 90 to 0 degrees Dual Array Slew	P/TV03 FSS OPS (OPS) (P/TV, SCENES) SA Slew - Item 3	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	ENABLE STAGE 3 OTA HEATER GROUPS OPEN SPA TRIM RELAYS	UPLINK KU CH 2 - RNS
				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A10/AUTO/VERN (02:15) Init TRK	ICBC3D STATUS REPORT		SLEW SOLAR ARRAYS TO 0 DEGREES	UPLINK KU CH 2 - OCA
15:00				EVA 1 PROCEDURE REVIEW REF: EVA 1 BRIEFING CARD (EVA, TIMELINES)	EVA 1 PROCEDURE REVIEW REF: EVA 1 BRIEFING CARD (EVA, TIMELINES)	EVA 1 PROCEDURE REVIEW REF: EVA 1 BRIEFING CARD (EVA, TIMELINES)		
03:00								
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPLINK PDI FDA - INH TFL 184
04:00				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)				

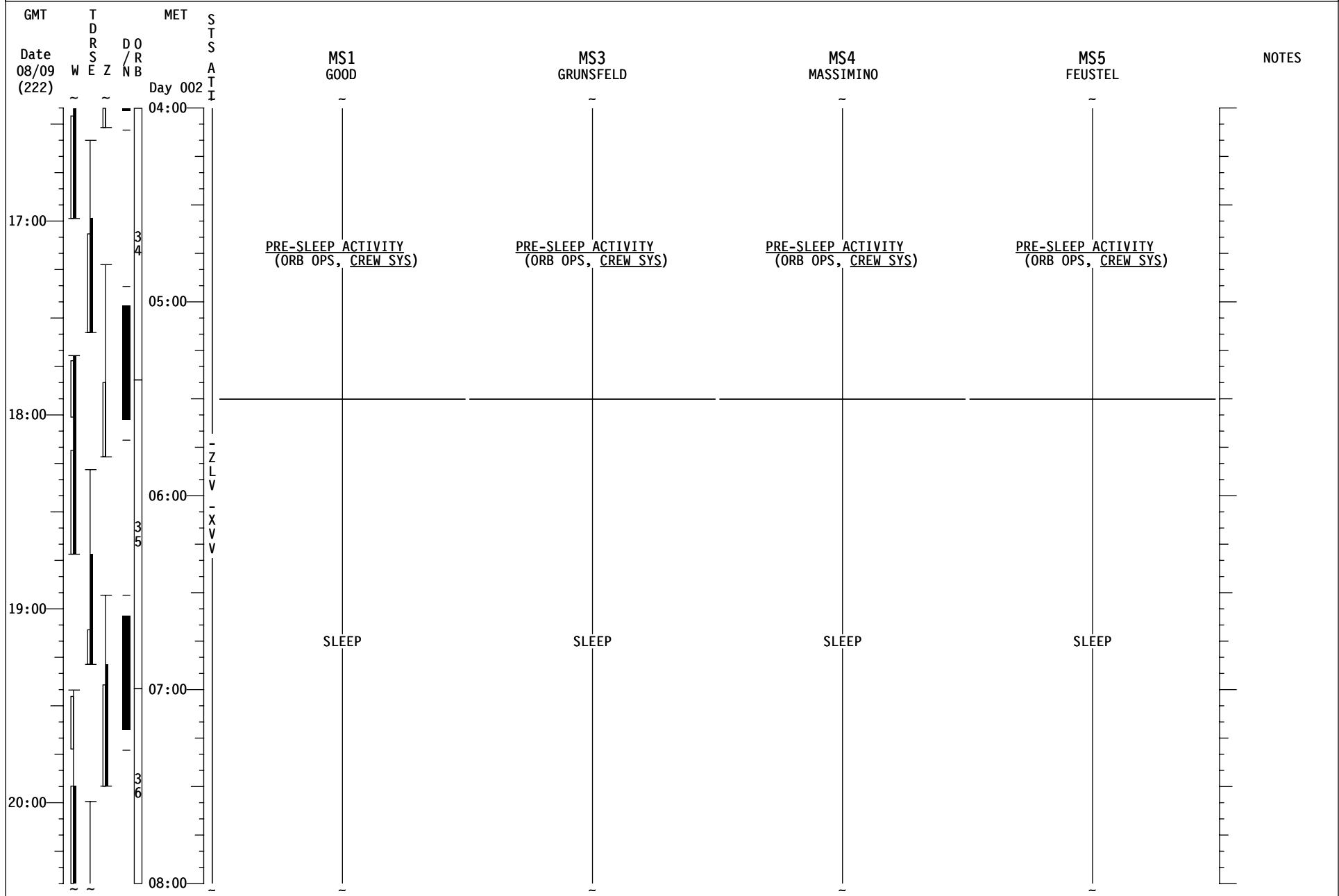
STS-125 (FD03)



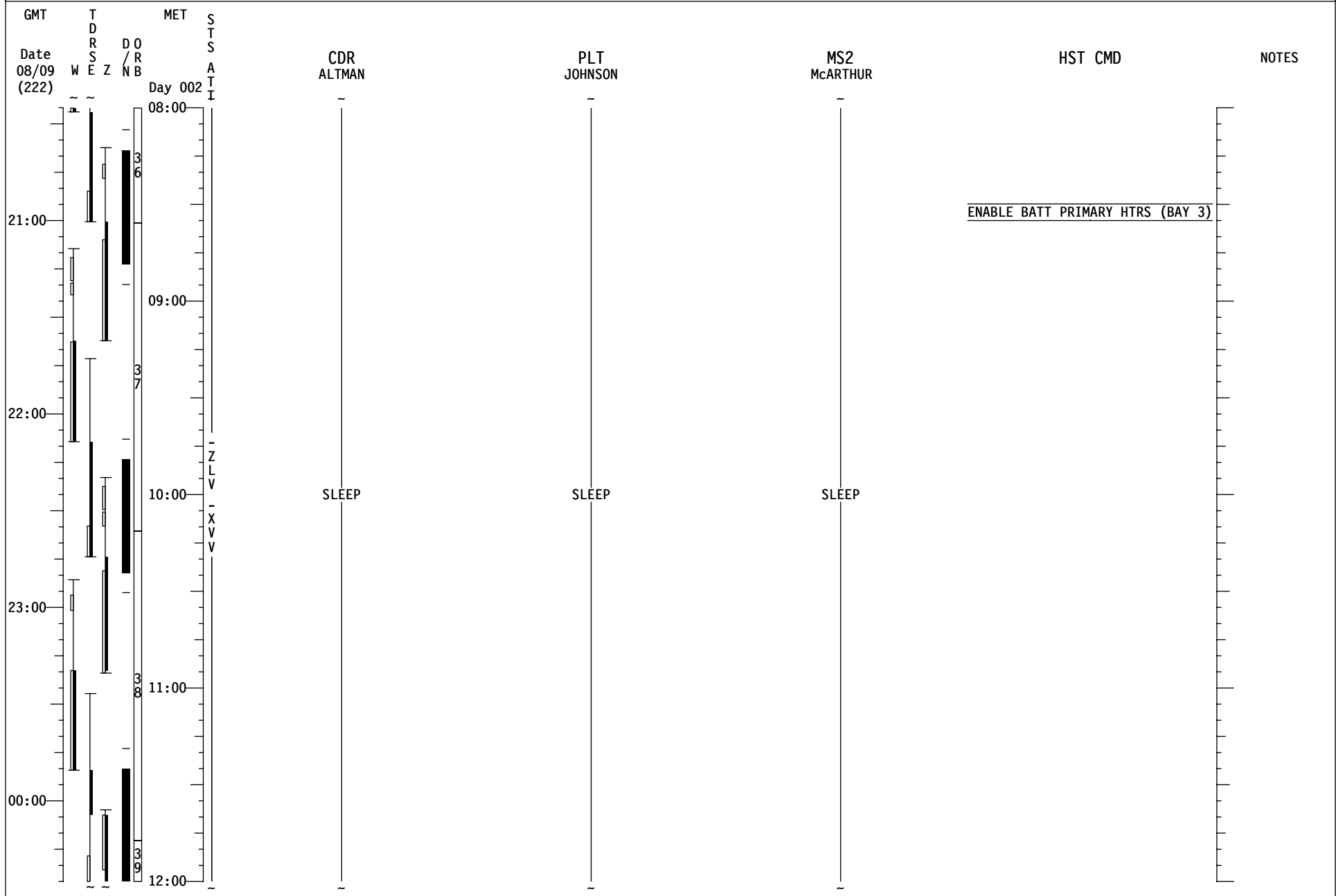
STS-125 (FD03)



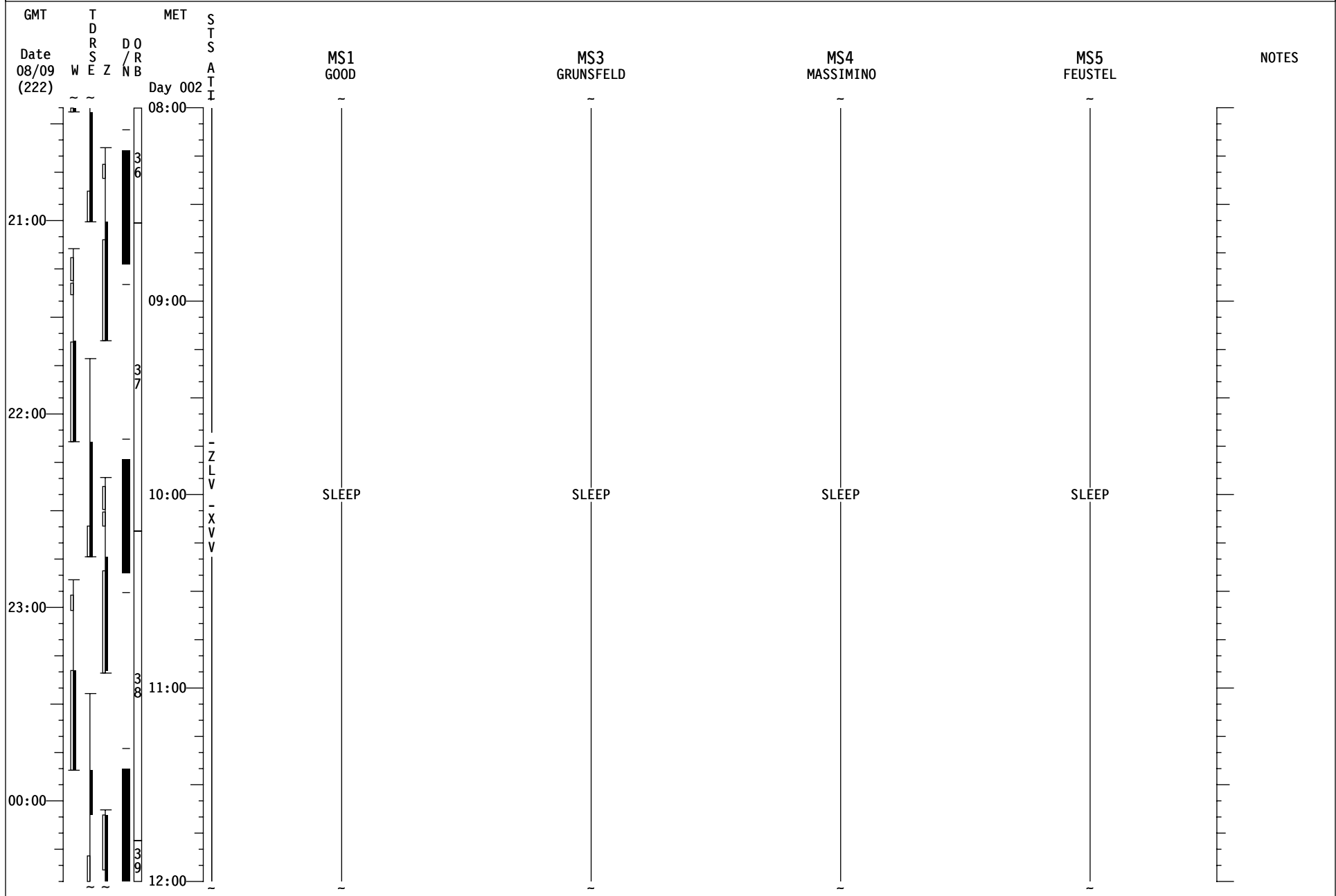
STS-125 (FD03)



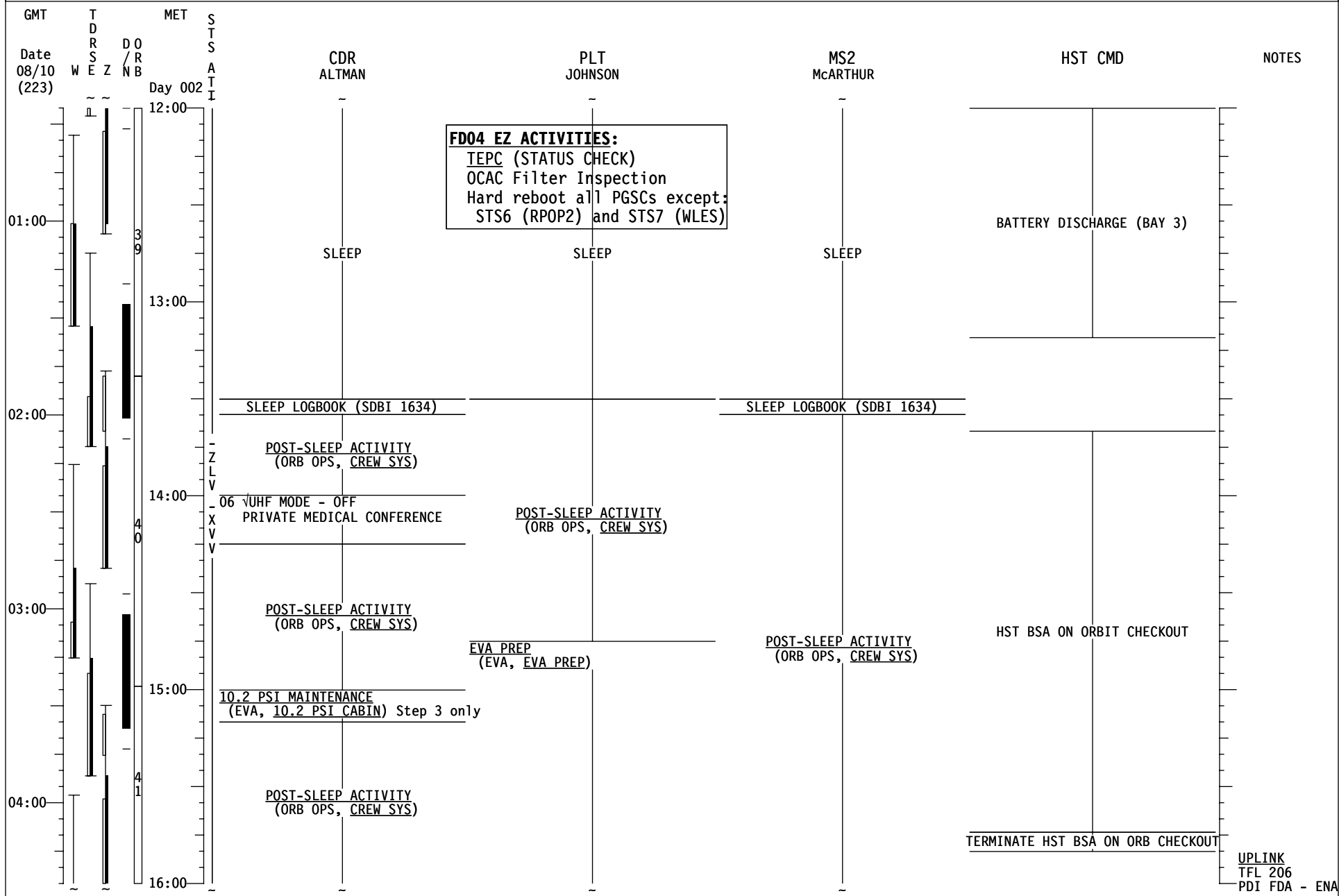
STS-125 (FD03)



STS-125 (FD03)

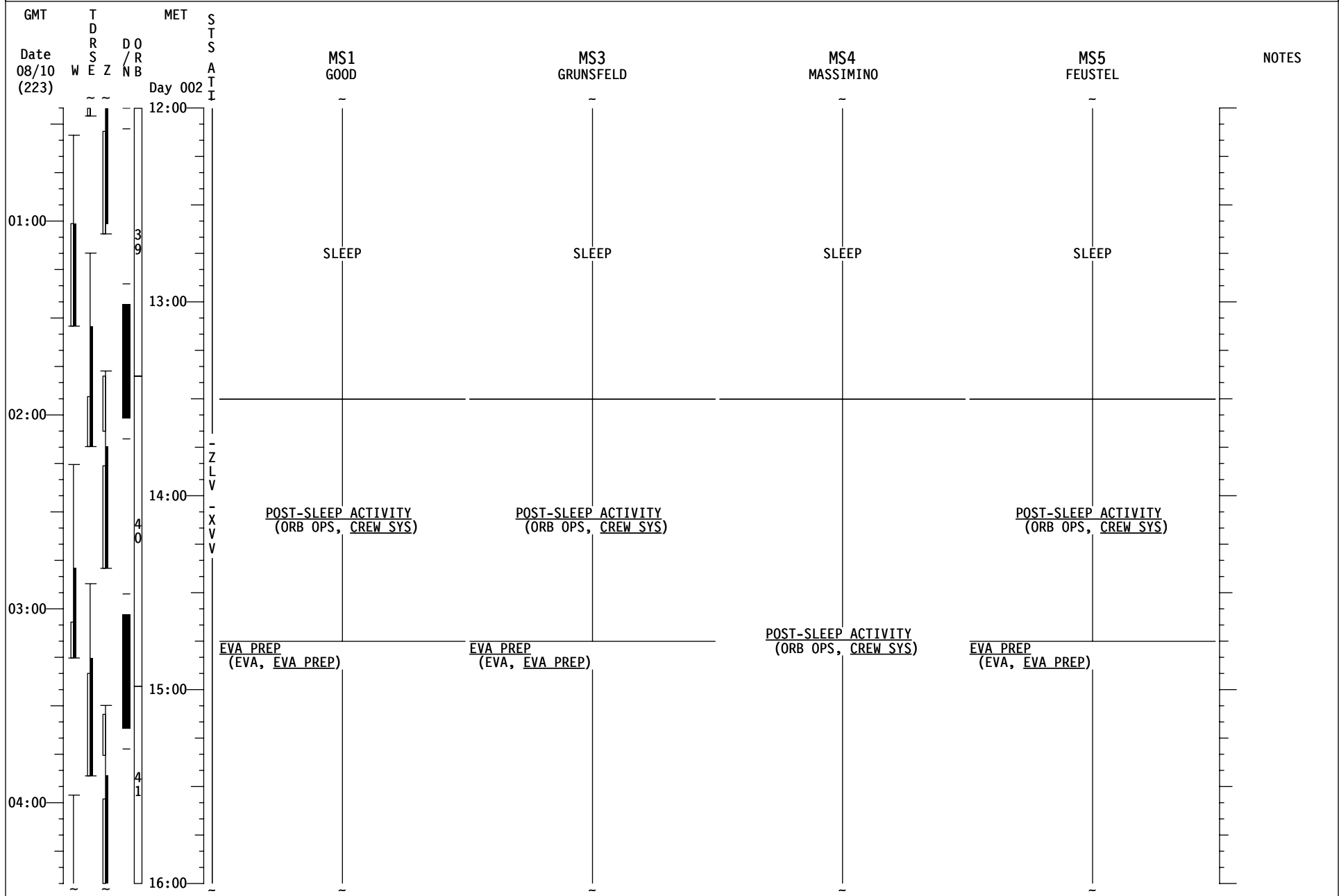


STS-125 (FD04)



UPLINK
TFL 206
PDI FDA - ENA

STS-125 (FD04)



STS-125 (FD04)

GMT	T D R S W E Z	MET	S T S	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/10 (223)	W E Z	Day 002	I					
16:00				<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>EVA PREP</u> (EVA, EVA PREP)			
				<u>G2 SET EXPANSION</u> (ORB OPS, DPS) Configure Dual G2, (1212)	<u>EMU PURGE</u> (EVA, EVA PREP)			
05:00				<u>P/TV06 HST EVA</u> (P/TV, SCENES) SETUP	<u>EMU PREBREATHE</u> (EVA, EVA PREP)			
						<u>L17 Check MCIU filter screen</u>		
				<u>P/TV03 FSS OPS</u> (SETUP & OPS) (P/TV, SCENES) Pivot - Item 2				
17:00				<u>PIVOT HST DN (90 to 85 DEG)</u> (PL OPS, IN-BAY OPERATIONS)				
				<u>P/TV03 FSS OPS</u> (OPS) (P/TV, SCENES) Depress - Item 2	<u>DEPRESS</u> (Cue Card, DEPRESS/REPRESS)			
				<u>V SUPPLY WATER DUMP USING FES</u> (ORB OPS, ECLS) Step 1 only, using FES PRI B	<u>POST DEPRESS</u> (CC, DPRS/RPRS) <u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 1 - Items 1-6			
06:00						<u>MFR SETUP</u> (PDRS, EVA OPS)		
				<u>P/TV03 FSS OPS</u> (SETUP & OPS) (P/TV, SCENES) Pivot - Item 2				
				<u>PIVOT HST UP (85 to 90 DEG)</u> (PL OPS, IN-BAY OPERATIONS)				
				<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=345 A10/AUTO/VERN (2/18:10) Init TRK				
07:00							<u>WFC3/WFPC-II CHANGEOUT</u> (INCLUDES PREP & C/O)	
						<u>WFC R&R</u> (PDRS, EVA 1)		
					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 4			
					<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 1 - Items 1-6			
				<u>MNVR (INRTL)</u> (SS Protect) R=5 P=263 Y=74 A10/AUTO/VERN (2/18:52) Init MNVR				
19:00								
					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 5			
				<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=345 A10/AUTO/VERN (19:25) Init TRK	<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 1 - Items 1-6			
08:00								
							<u>WFC3 ALIVENESS TEST</u>	
20:00								

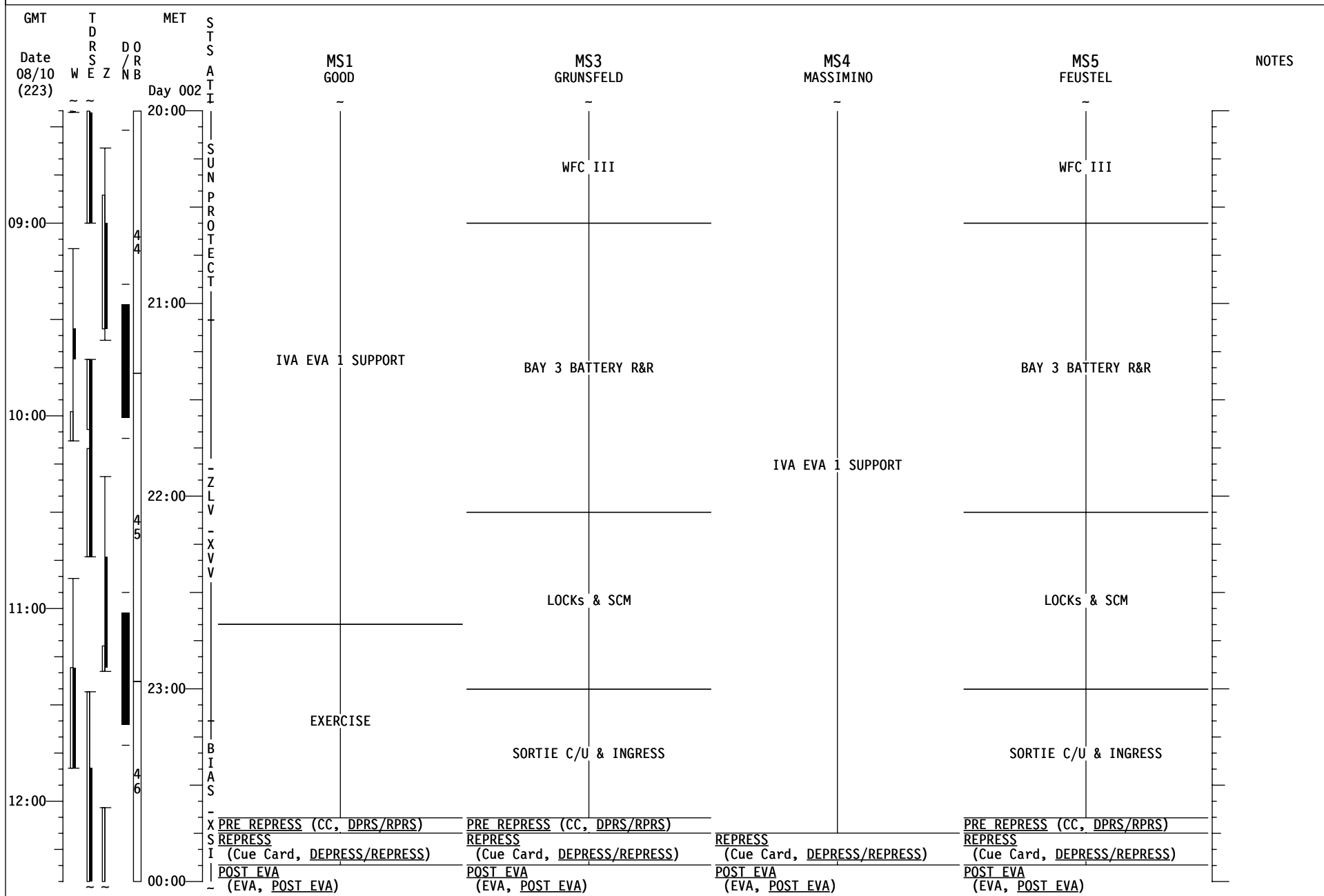
STS-125 (FD04)

GMT	T D R S W E Z	MET D O R N B	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FERUS/TEEL	NOTES
Date 08/10 (223)		Day 002						
16:00				EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA PREP (EVA, EVA PREP)	
				EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)		EMU PURGE (EVA, EVA PREP)	
05:00				EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)		EMU PREBREATHE (EVA, EVA PREP)	
			Z L V			EXERCISE		
17:00				DEPRESS (Cue Card, DEPRESS/REPRESS)	DEPRESS (Cue Card, DEPRESS/REPRESS)		DEPRESS (Cue Card, DEPRESS/REPRESS)	
				POST DEPRESS (CC, DPRS/RPRS)	POST DEPRESS (CC, DPRS/RPRS)		POST DEPRESS (CC, DPRS/RPRS)	
06:00					SORTIE EGRESS & S/U		SORTIE EGRESS & S/U	
07:00				IVA EVA 1 SUPPORT		IVA EVA 1 SUPPORT		
			S U N					
19:00			P R O T E C T		WFC III		WFC III	
08:00								
20:00								

STS-125 (FD04)

GMT	TDRS W E Z	MET DO R / N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/10 (223)	Day 002							
20:00					P/TV06 HST EVA - (See pg. 3-34 for details) P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 6 P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 1 - Items 1-6			
								PREP FOR BATT CHANGEOUT (BAY 3)
09:00				P MNVR (INRTL) (SS Protect) R R=5 P=263 Y=74 O A10/AUTO/VERN (2/20:28) Init MNVR				
								BAY 3 BATTERY R&R (PDRS, EVA 1)
21:00				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=349 A10/AUTO/VERN (2/21:05) Init TRK				
				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 2 only, FES PRI B req'd	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 7			
10:00					P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 1 - Items 1-6			
22:00				MEAL				BATTERY ALIVENESS TEST (BAY 3)
								EVA 1 - WFC 3, BAY 3 BATT (-V3 FWD) (PDRS, EVA OPS)
11:00								BATT PRE-CONDITION OF BATT 1-3 FOR BAY 3 F/T
23:00				MNVR (TRK) BIAS -XSI (Battery Charge) TG=4 BV=5 P=151 Y=0 OM=354 A10/AUTO/VERN (2/23:10) Init TRK				
				B I MU STAR OF OPPTY ALIGN (ORB OPS, GNC)				EGRESS AT AIRLOCK (PDRS, EVA CLOSEOUT)
12:00				A P/TV03 FSS OPS (SETUP & OPS) S (P/TV, SCENES) SA Slew - Item 3		RMS EXTENDED PARK (PDRS, EXTENDED PARK)		
				- SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) S 0 to 90 degrees I Dual Array Slew	EXERCISE	SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 0 to 90 degrees Dual Array Slew		SLEW SOLAR ARRAYS TO 90 DEGREES
00:00								UPLINK β21 + Mask Boxes 1,2

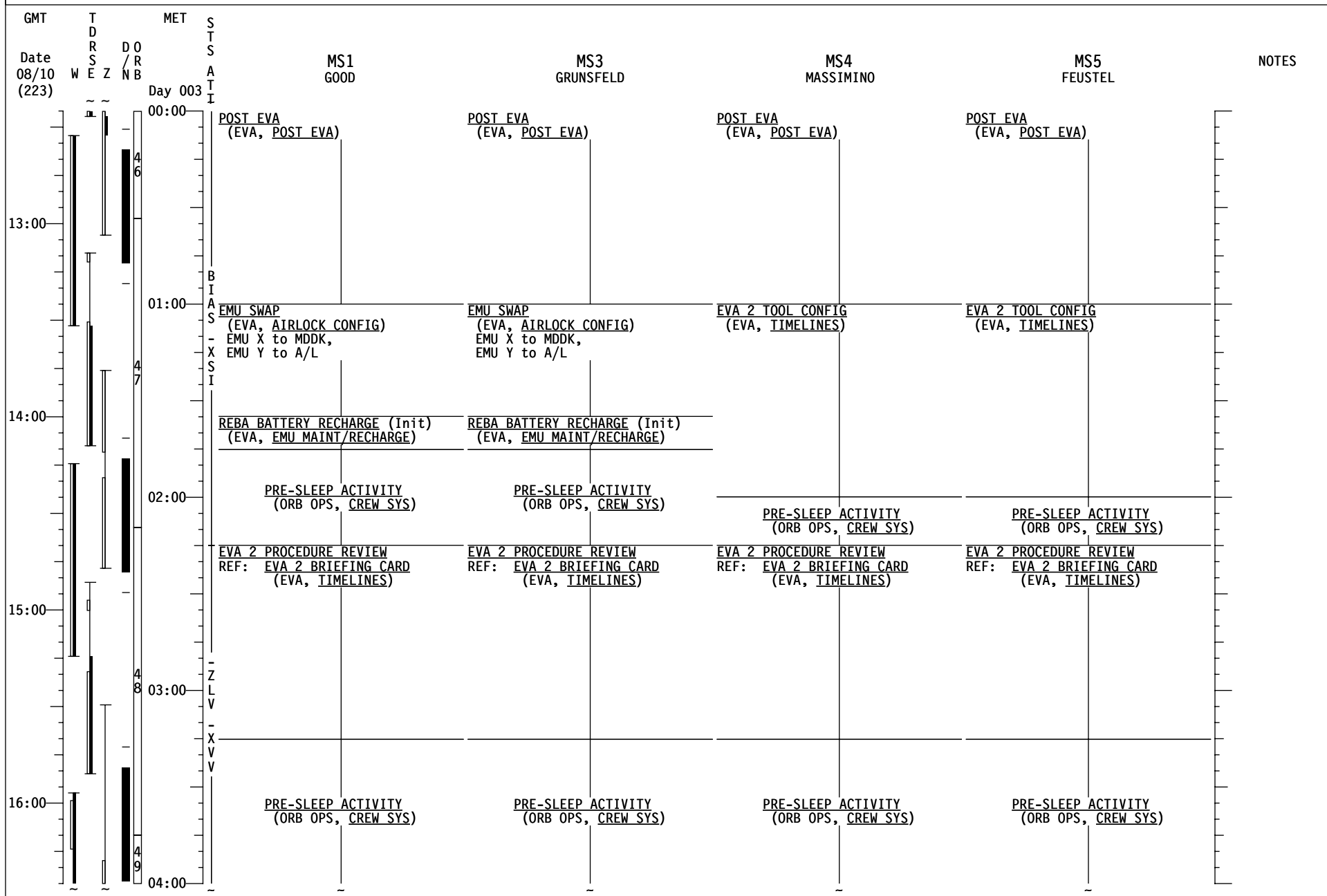
STS-125 (FD04)



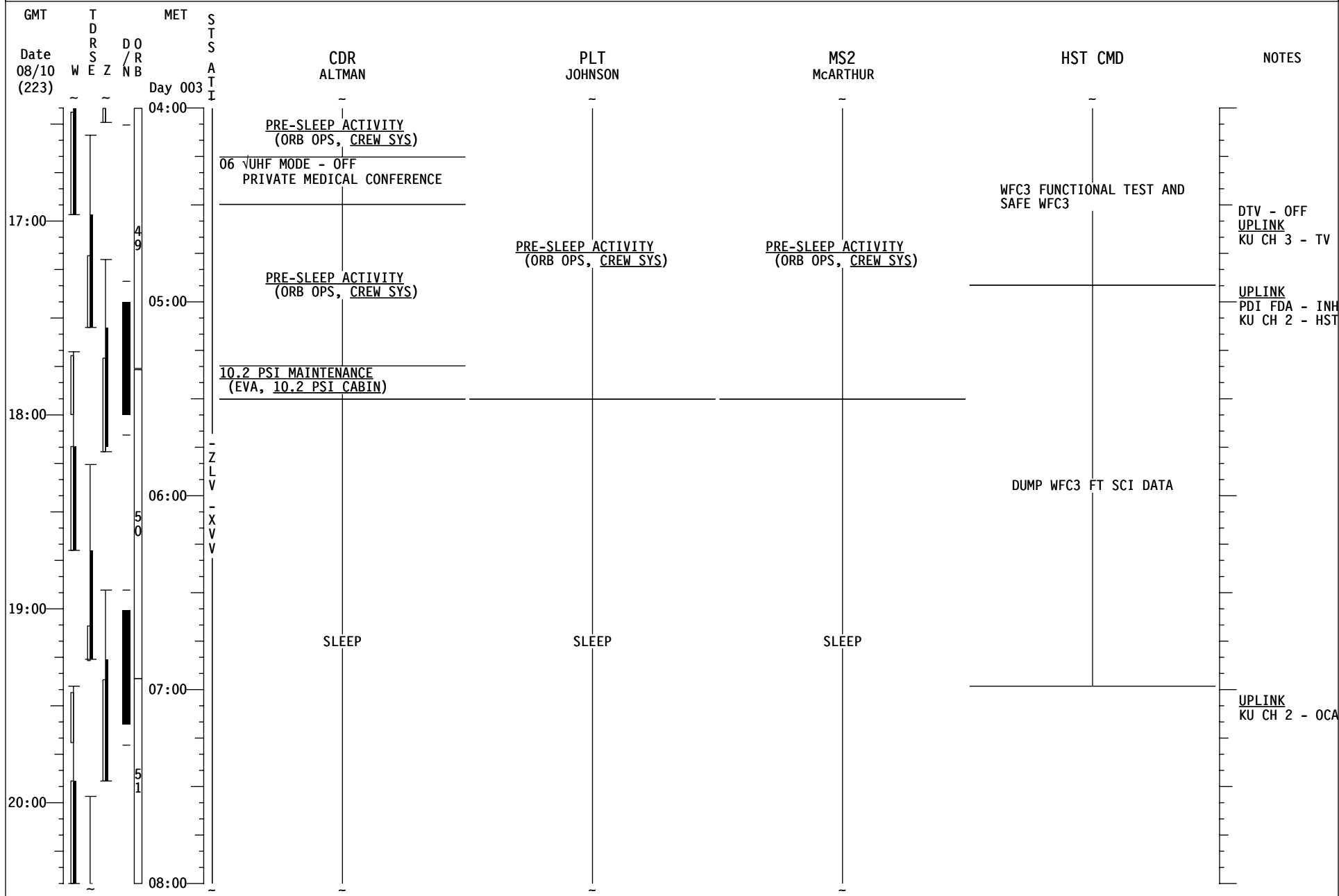
STS-125 (FD04)

GMT	TDRS WSEZ	MET DOB NB	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/10 (223)		Day 003						
00:00				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)	EXERCISE			
				G2 SET CONTRACTION (ORB OPS, DPS) Configure Single G2, (1111)		EXERCISE		
13:00							BATTERY FUNCTIONAL TEST (BAY 3)	
				EXERCISE	ICBC3D STATUS REPORT			
					HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)		
						PDIP 1 KU BAND RATE - HIGH		UPLINK KU CH 2 - RNS
						PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
14:00				SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 90 to 0 degrees Dual Array Slew	P/TV03 FSS OPS (OPS) (P/TV, SCENES) SA Slew - Item 3	PDIP 1 KU BAND RATE - LOW SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 90 to 0 degrees Dual Array Slew	SLEW SOLAR ARRAYS TO 0 DEGREES	UPLINK KU CH 2 - OCA
				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A10/AUTO/VERN (02:15) Init TRK	HD DIGITAL VIA CC (ACTIVATION) (Cue Card, DIGITAL PLAYBACK)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPLINK KU CH 3 - DTV
				EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)		
15:00								
							WFC3 FUNCTIONAL TEST AND SAFE WFC3	
				FUTURE LOADED MNVR (Simo Dump) TG=2 BV=3 OM=270 A10/AUTO/VERN (3/14:45) Init TRK	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	MIDDECK EMU BATTERY RECHARGE INIT (EVA, EMU MAINT/RECHARGE)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
16:00								
04:00								

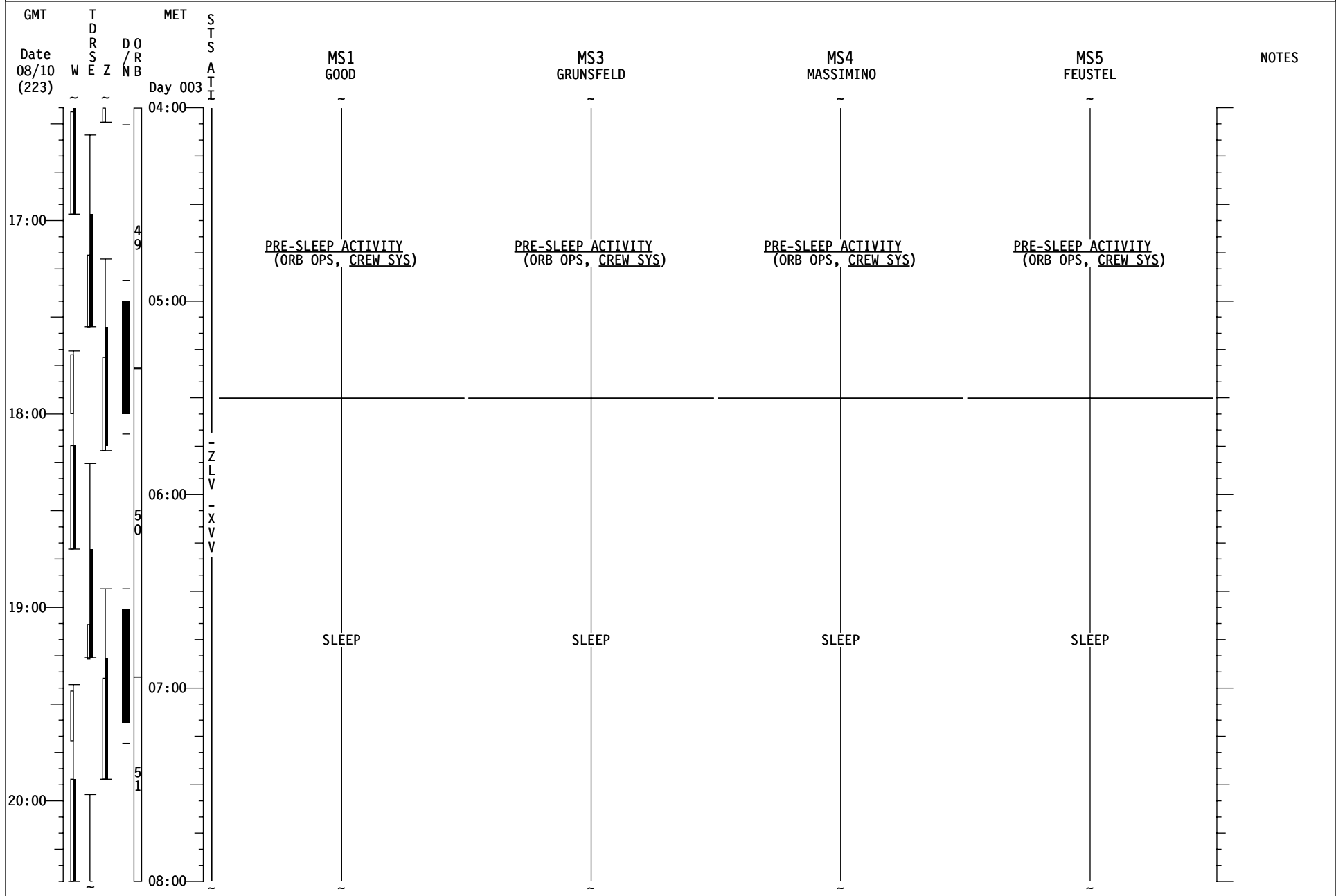
STS-125 (FD04)



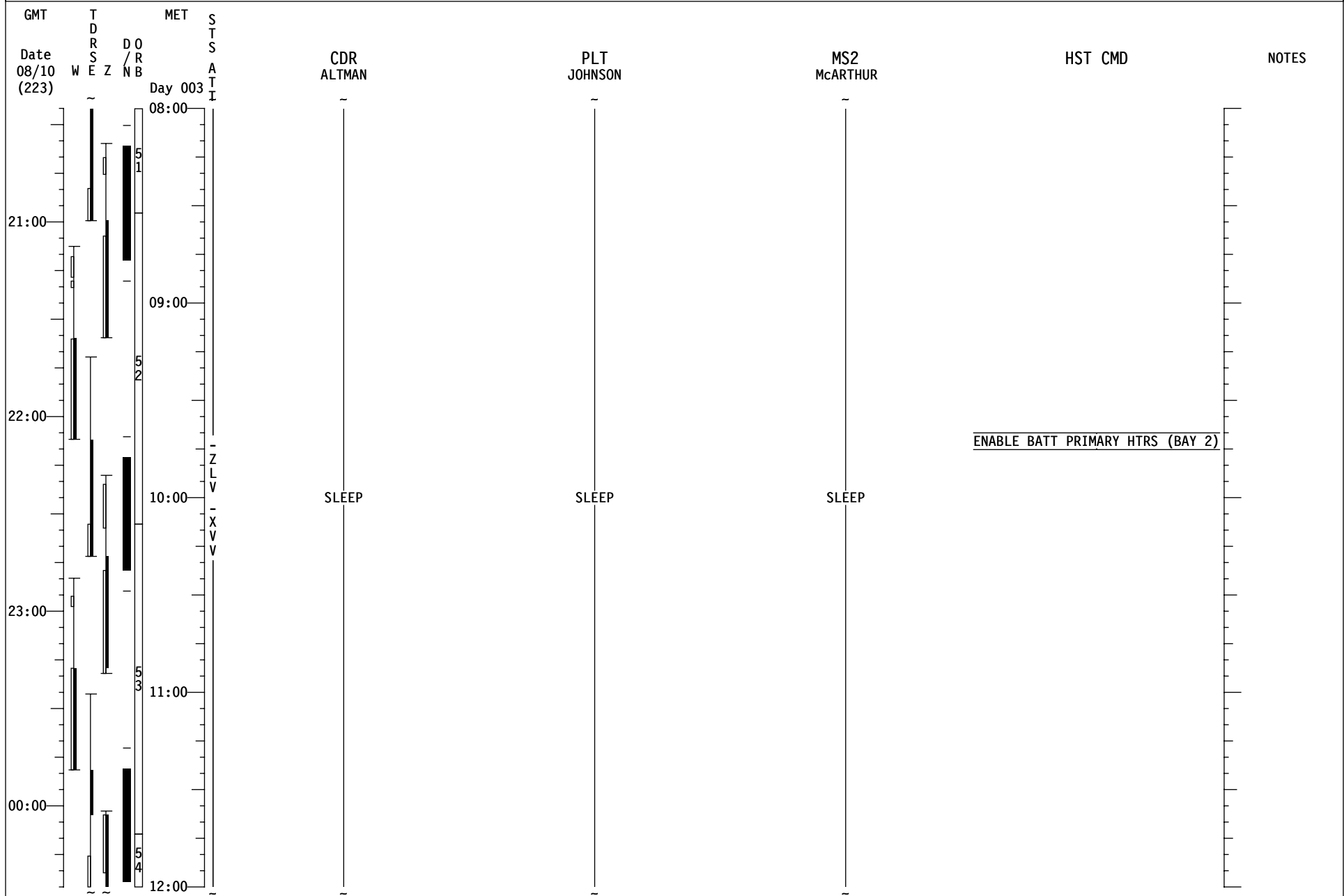
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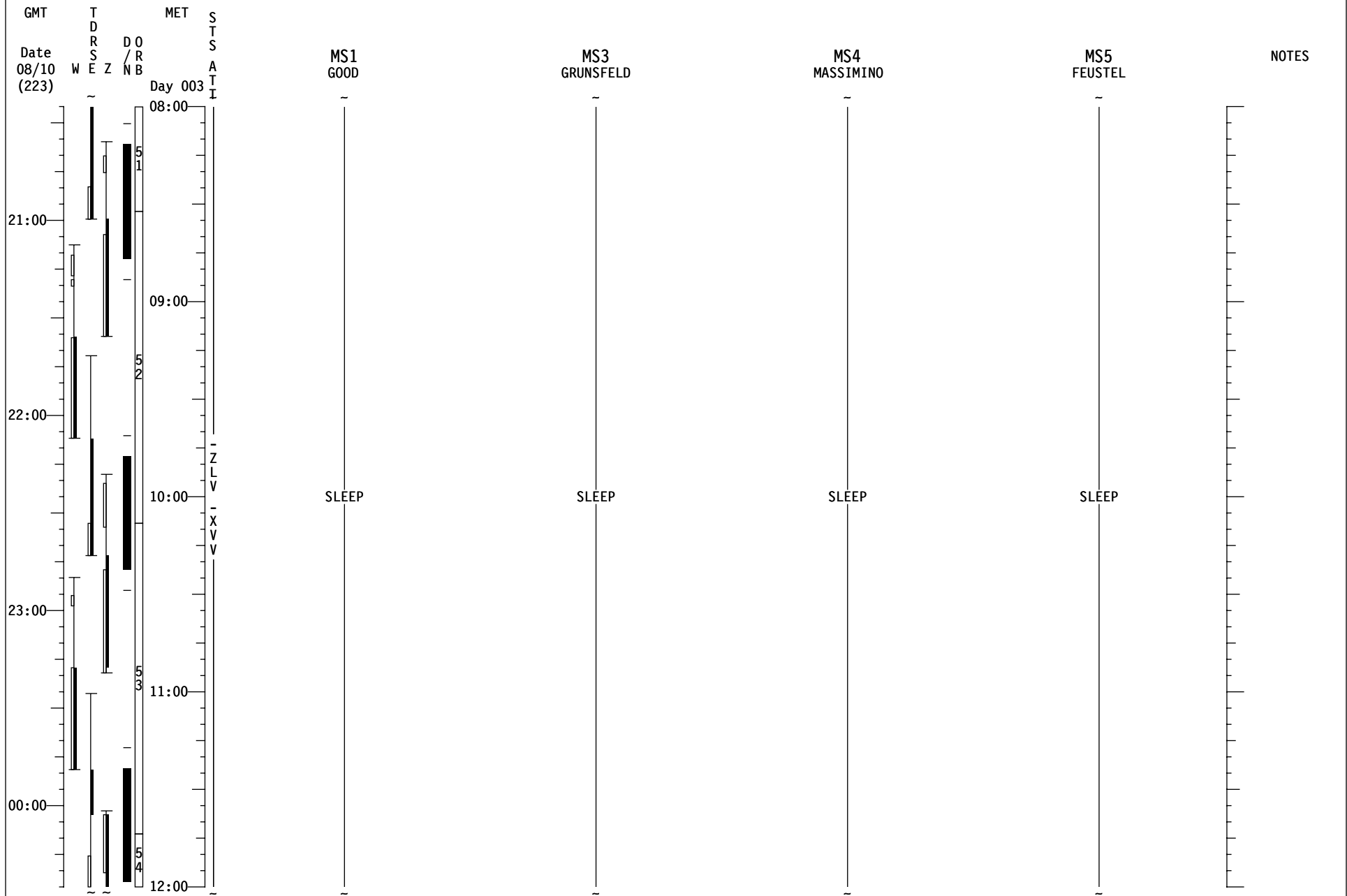
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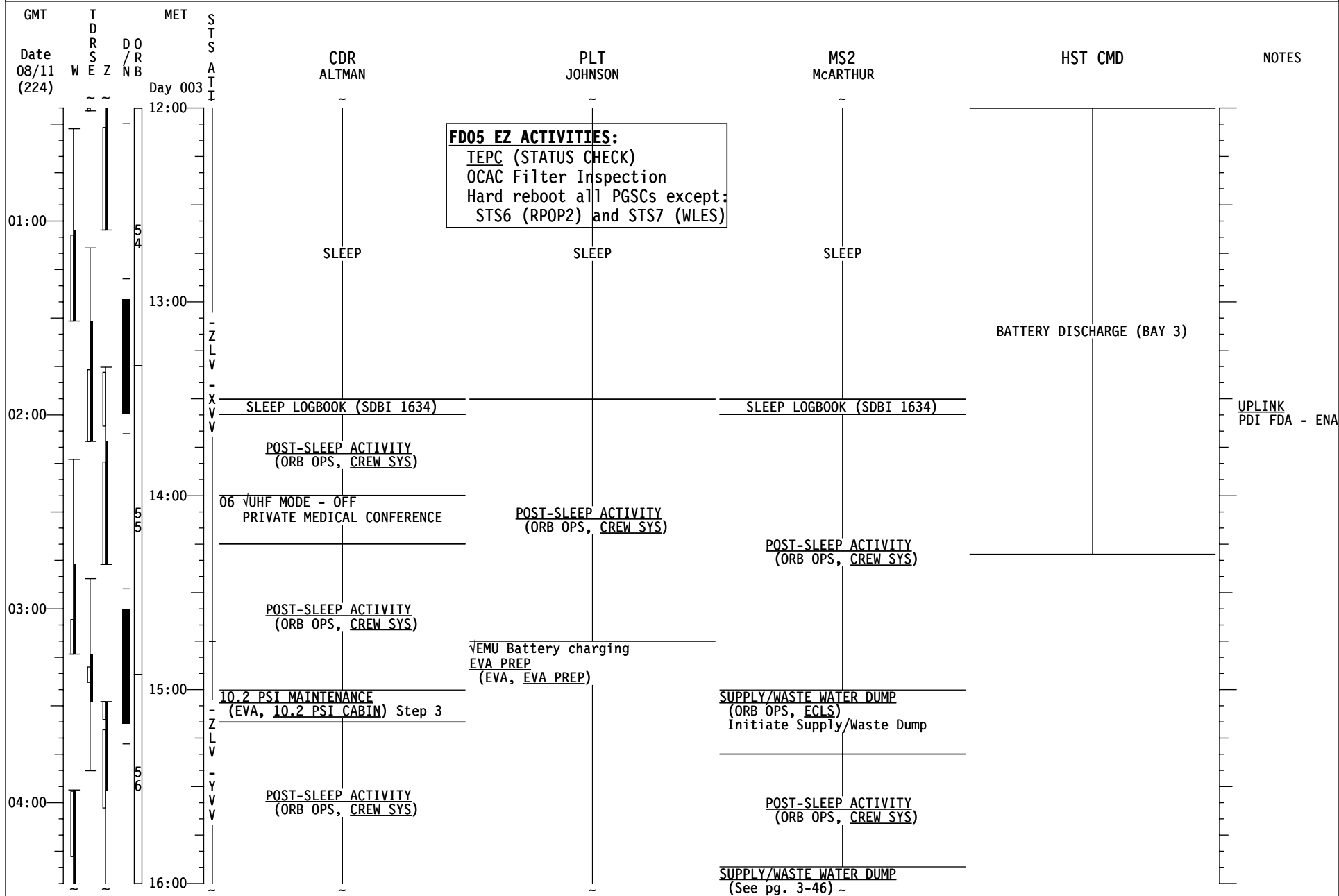
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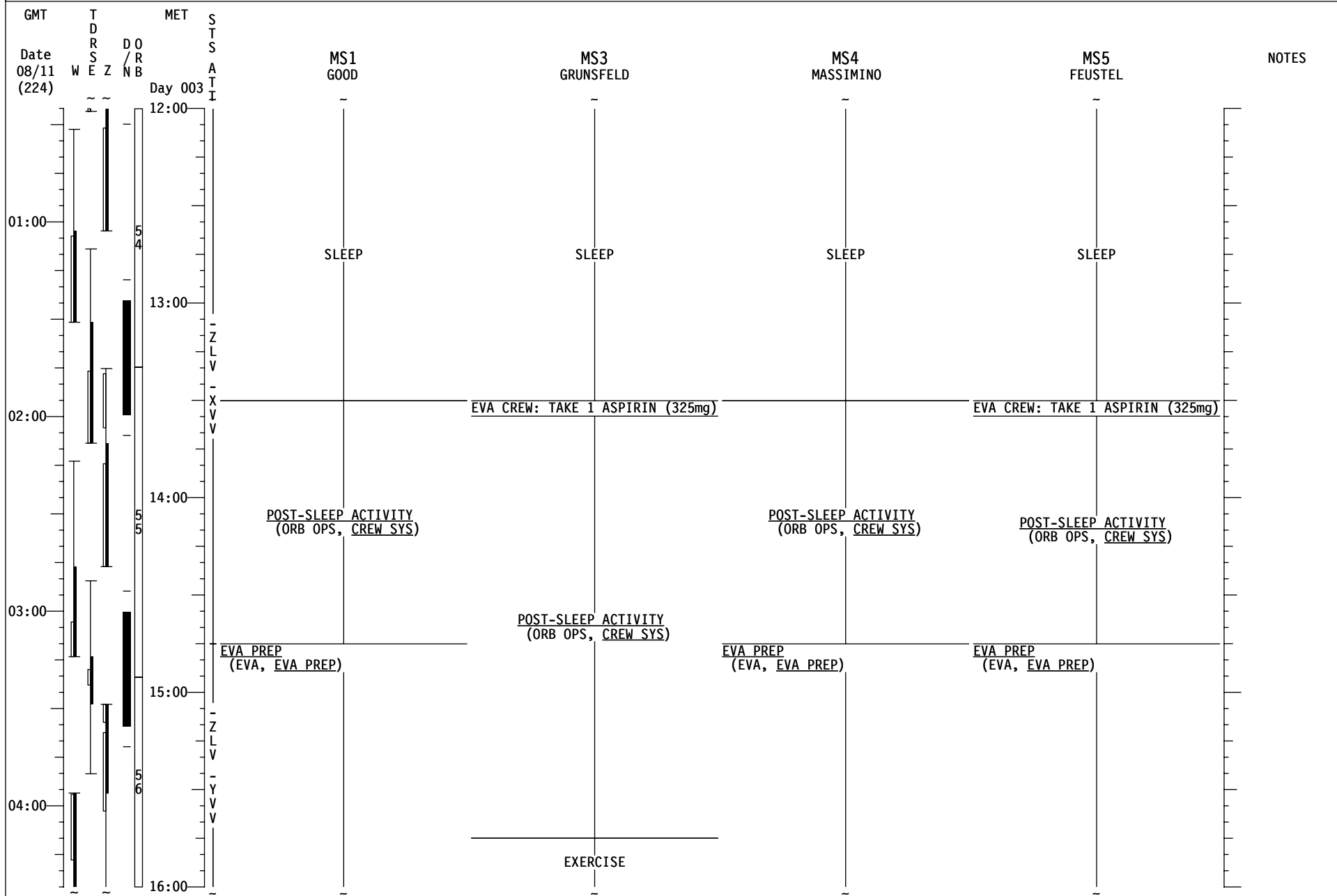
STS-125 (FD04)



STS-125 (FD05)



STS-125 (FD05)



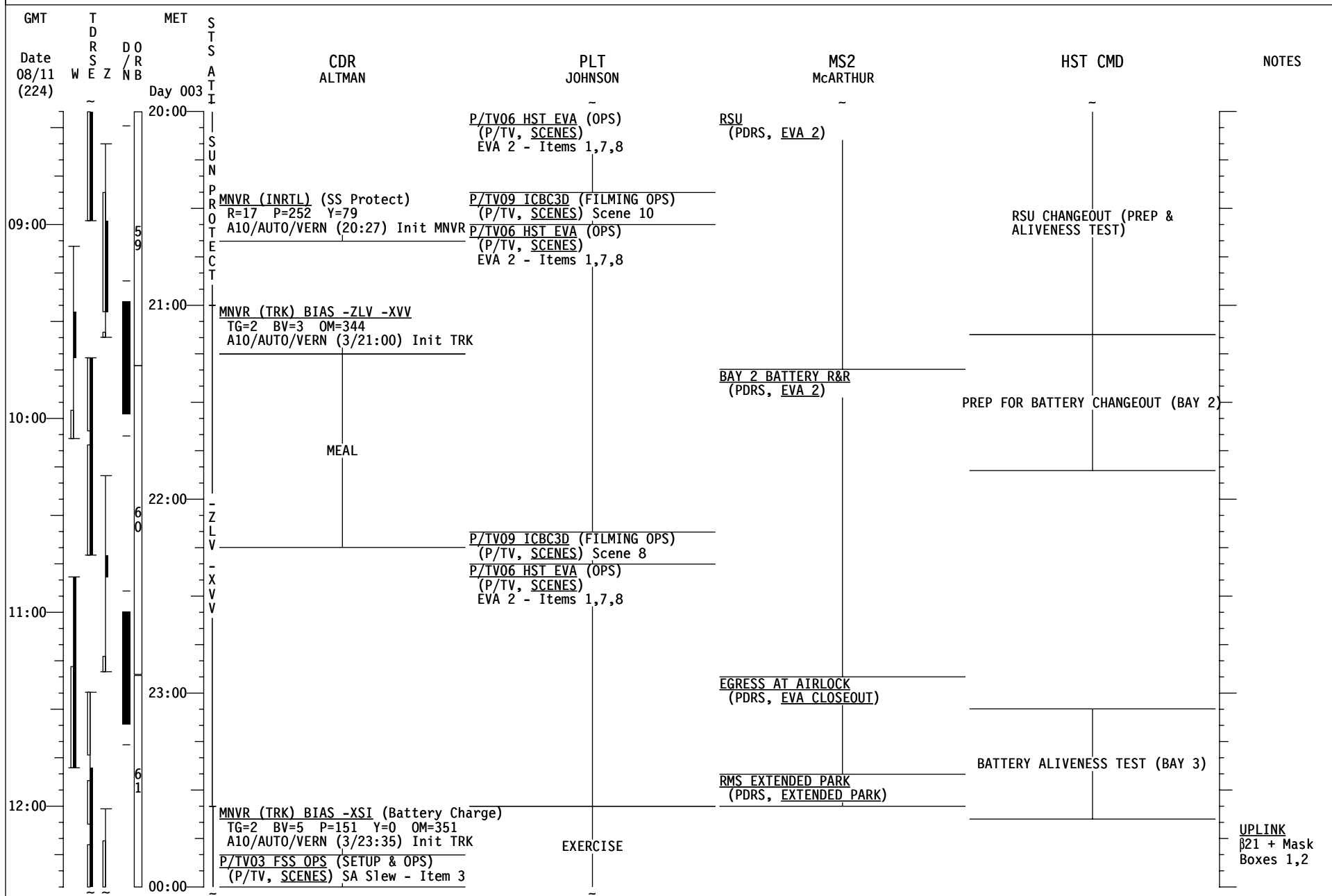
STS-125 (FD05)

GMT	T D R S E Z	MET	S T S	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/11 (224)	W E Z	Day 003	DAY					
				<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>EVA PREP</u> (EVA, EVA PREP)	<u>SUPPLY/WASTE WATER DUMP</u> (ORB OPS, ECLS) Terminate Supply/Waste Dump		
05:00				<u>MNVR (TRK) -ZLV -XVV</u> TG=2 BV=3 OM=0 B11/AUTO/VERN Init TRK	<u>EMU PURGE</u> (EVA, EVA PREP)			
				<u>G2 SET EXPANSION</u> (ORB OPS, DPS) Configure Dual G2, (1212)	<u>EMU PREBREATHE</u> (EVA, EVA PREP)			
				<u>P/TV06 HST EVA</u> (P/TV, SCENES) SETUP		EXERCISE		
				<u>Z P/TV03 FSS OPS</u> (SETUP & OPS) L (P/TV, SCENES)	<u>DEPRESS</u> (Cue Card, DEPRESS/REPRESS)			
				<u>V A/L Depress</u> - Item 4	<u>POST DEPRESS</u> (CC, DPRS/RPRS)			
06:00					<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 2 - Items 1,7,8	<u>DAILY SETUP</u> (PDRS, EVA SETUP)		UPLINK β21 + Mask Boxes 2,3,4
				<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=340 A10/AUTO/VERN (3/18:10) Init TRK		<u>RSU</u> (PDRS, EVA 2)		
07:00					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 9			
				<u>MNVR (INRTL)</u> (SS Protect) R=17 P=252 Y=79	<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 2 - Items 1,7,8			
				<u>P A10/AUTO/VERN</u> (18:51) Init MNVR			RSU CHANGEOUT (PREP & ALIVENESS TEST)	
08:00				<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=340 A10/AUTO/VERN (19:25) Init TRK	<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 10			
					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 11			
					<u>P/TV06 HST EVA</u> (OPS) (See pg. 3-48 for details)			
20:00								

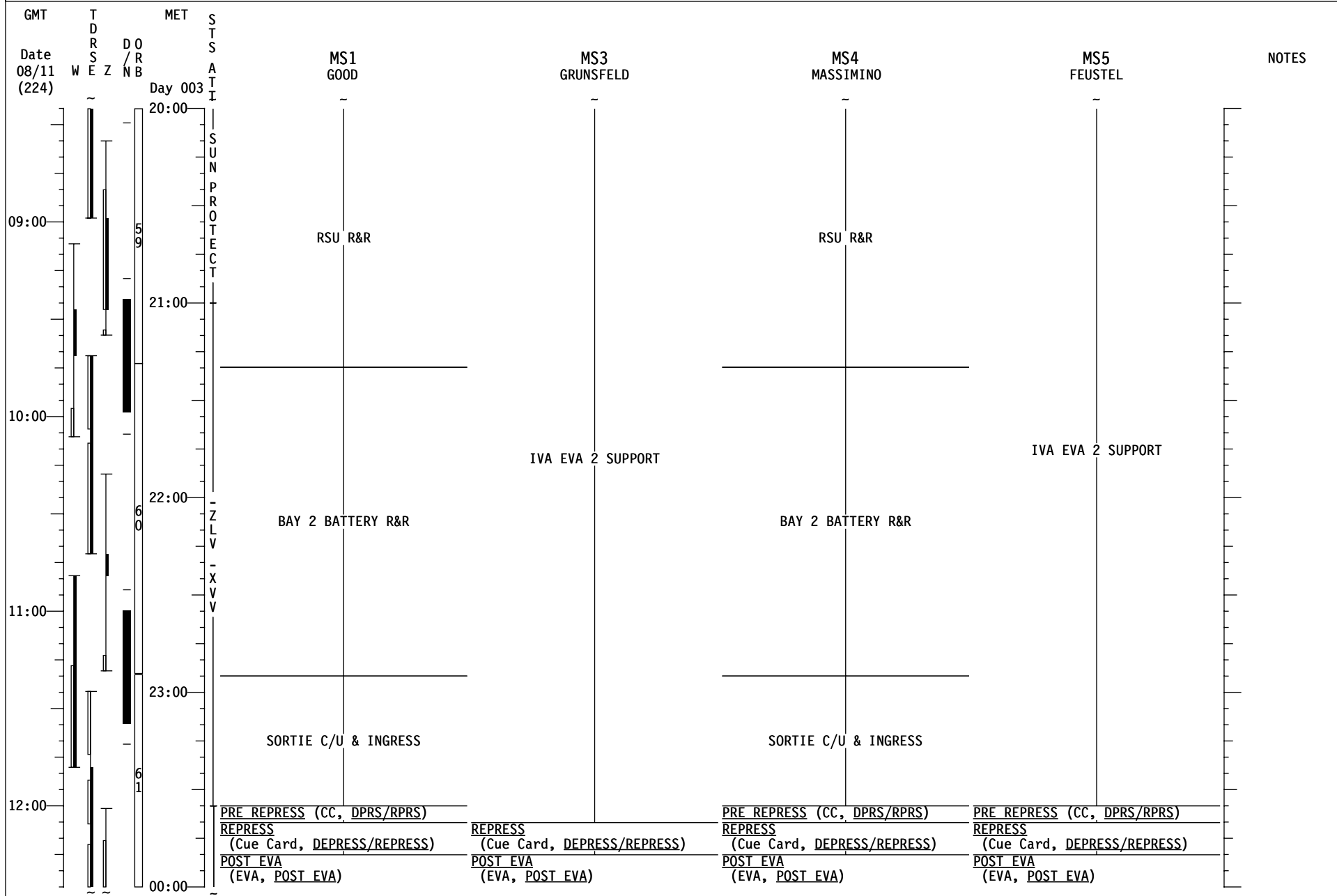
STS-125 (FD05)

GMT	T D R S E Z	MET	S T S	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/11 (224)	W E Z	Day 003	D O R N B					
16:00				EVA PREP (EVA, EVA PREP)		EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	
				EMU PURGE (EVA, EVA PREP)	EXERCISE	EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)	
05:00				EMU PREBREATHE (EVA, EVA PREP)		EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)	
					HELMET LIGHT/PGT BATT RCHRG (Term) (EVA, EMU MAINT/RECHARGE)			
17:00				DEPRESS (Cue Card, DEPRESS/REPRESS)	REBA BATTERY RECHARGE (Term) (EVA, EMU MAINT/RECHARGE)	DEPRESS (Cue Card, DEPRESS/REPRESS)	DEPRESS (Cue Card, DEPRESS/REPRESS)	
				POST DEPRESS (CC, DPRS/RPRS)		POST DEPRESS (CC, DPRS/RPRS)	POST DEPRESS (CC, DPRS/RPRS)	
06:00				SORTIE EGRESS & S/U		SORTIE EGRESS & S/U	EXERCISE	
					IVA EVA 2 SUPPORT			
07:00								
				RSU R&R		RSU R&R	IVA EVA 2 SUPPORT	
19:00								
08:00								
20:00								

STS-125 (FD05)



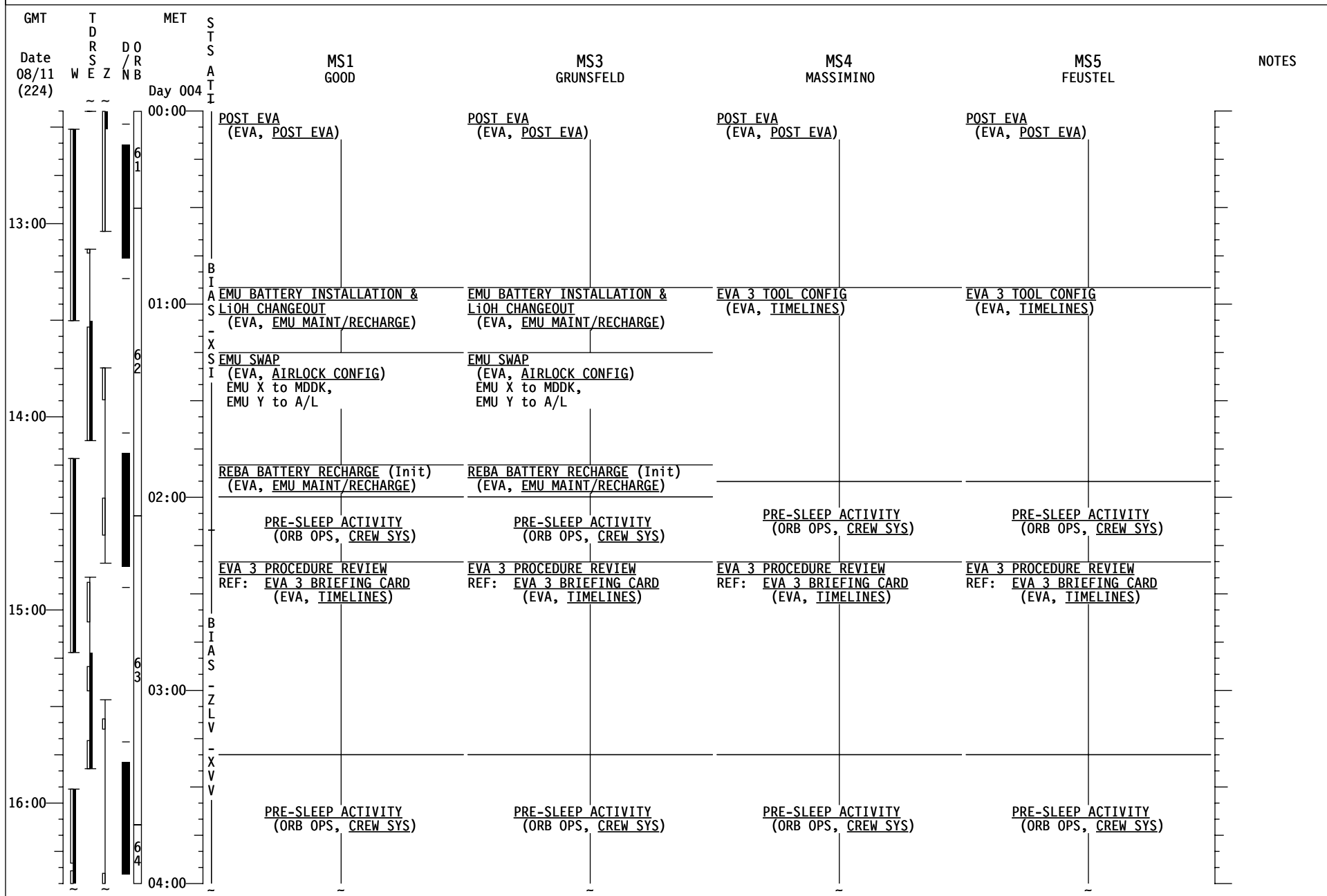
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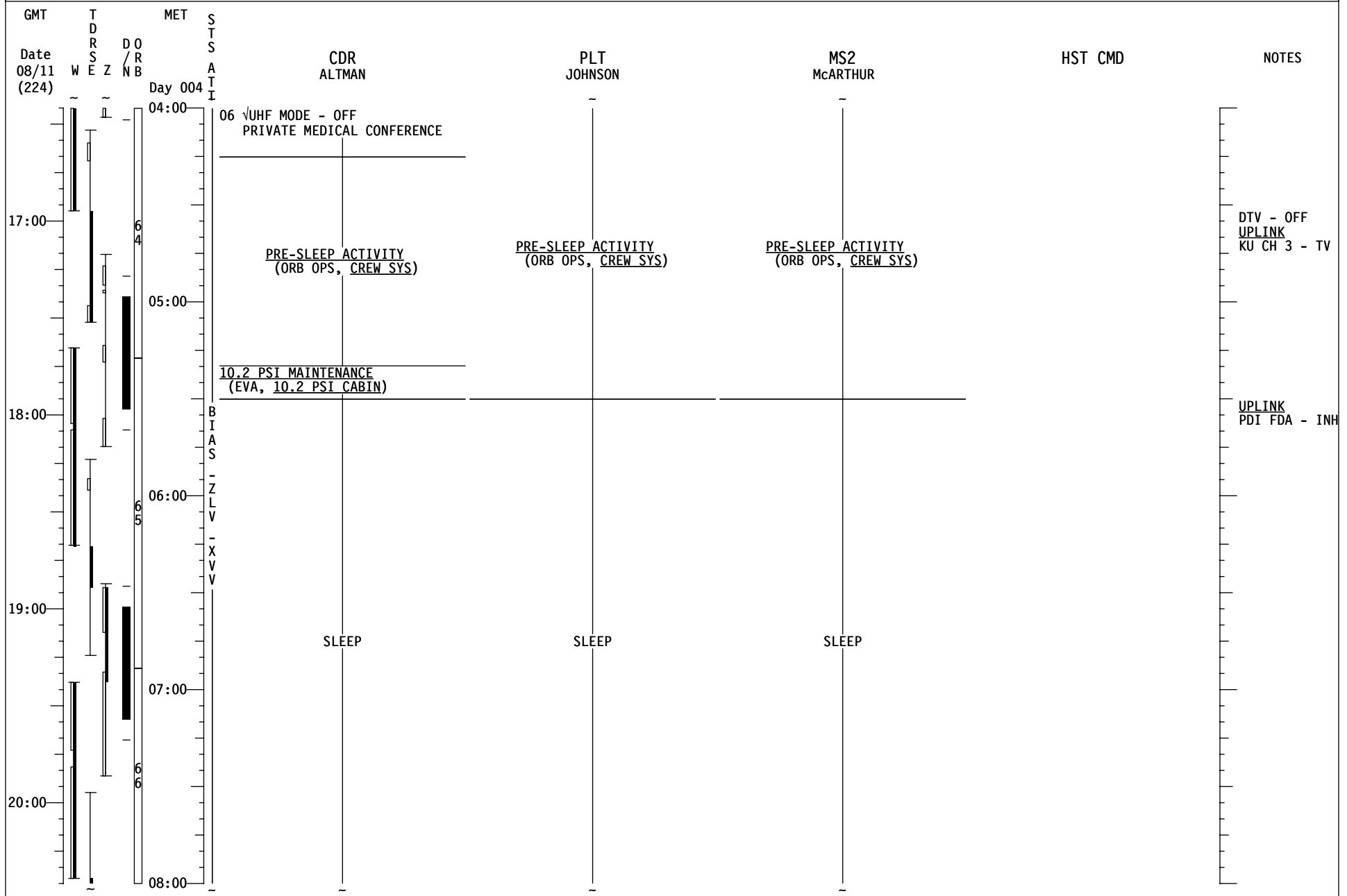
STS-125 (FD05)

GMT	TDRS W E Z	MET DO RNB	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/11 (224)	~	Day 004						
00:00				SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 0 to 90 degrees Dual Array Slew	EXERCISE	SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 0 to 90 degrees Dual Array Slew	SLEW SOLAR ARRAYS TO 90 DEGREES	
13:00				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)	G2 SET CONTRACTION (ORB OPS, DPS) Configure Single G2, (1111)			
					MIDDECK EMU BATTERY RECHARGE TERM (EVA, EMU MAINT/RECHARGE)			
01:00				EXERCISE		PDIP 1 KU BAND RATE - HIGH	BATTERY FUNCTIONAL TEST (BAY 2)	UPLINK KU CH 2 - RNS
					IMU ALIGN - S TRK (ORB OPS, GNC)			
14:00				SSV PWR - OFF	HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	PDIP 1 KU BAND RATE - LOW HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)		UPLINK KU CH 2 - OCA
				SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 90 to 0 degrees Dual Array Slew	P/TV03 FSS OPS (OPS) (P/TV, SCENES) SA Slew - Item 3	SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 90 to 0 degrees Dual Array Slew		
02:00							SLEW SOLAR ARRAYS TO 0 DEGREES	
				MNVR (TRK) BIAS -XVV (RSU FT) TG=2 BV=3 OM=335 A10/AUTO/VERN (02:10) Init TRK	ICBC3D STATUS REPORT HD DIGITAL VIA CC (ACTIVATION) (Cue Card, DIGITAL PLAYBACK)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPLINK KU CH 3 - DTV
15:00				EVA 3 PROCEDURE REVIEW REF: EVA 3 BRIEFING CARD (EVA, TIMELINES)	EVA 3 PROCEDURE REVIEW REF: EVA 3 BRIEFING CARD (EVA, TIMELINES)	REF: EVA 3 BRIEFING CARD (EVA, TIMELINES)		
							RSU FUNCTIONAL TEST	
03:00								
							CONFIG NEW RATE GYRO COMPLEMENT	
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	MIDDECK EMU BATTERY RECHARGE INIT (EVA, EMU MAINT/RECHARGE)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
					PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
04:00								

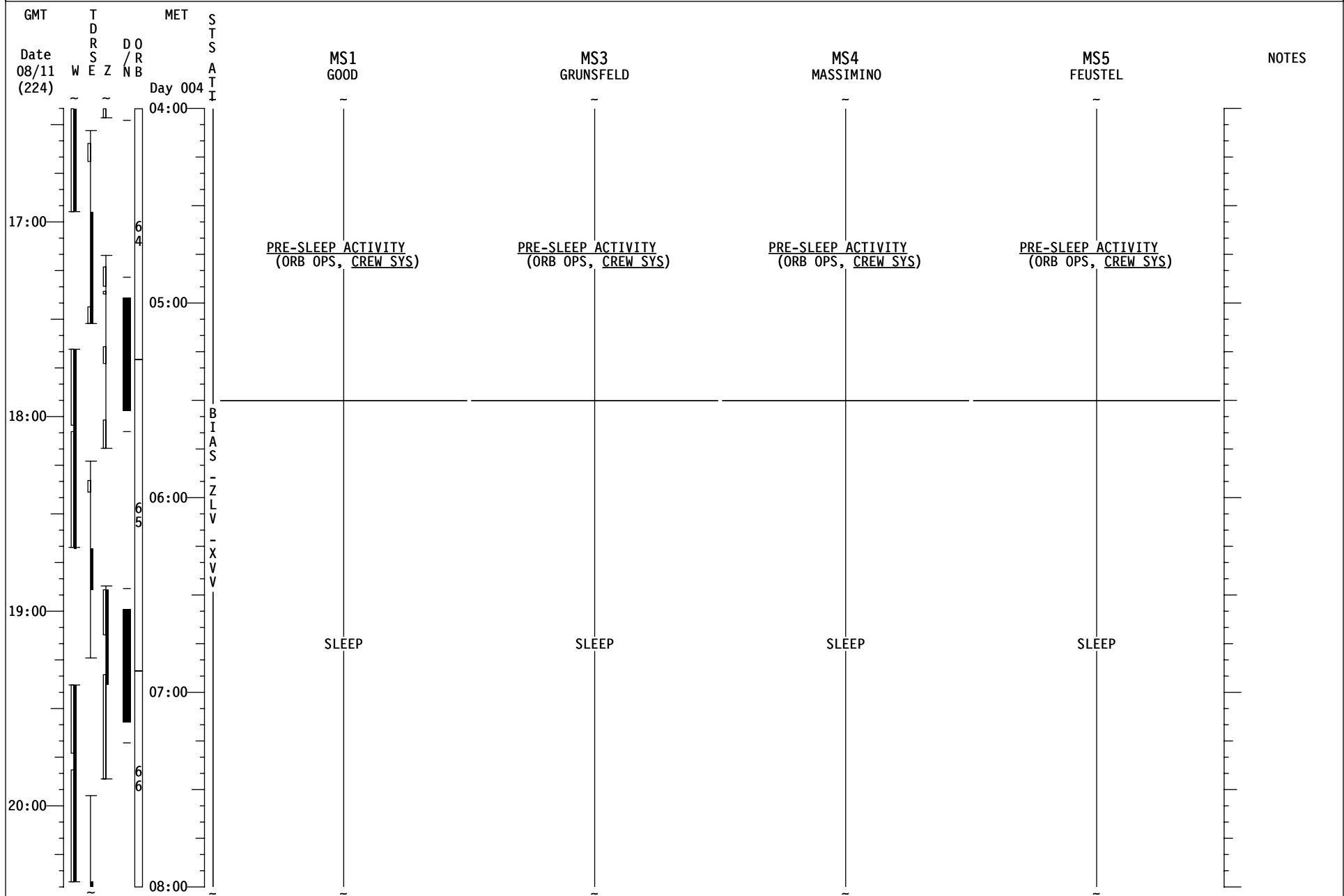
STS-125 (FD05)



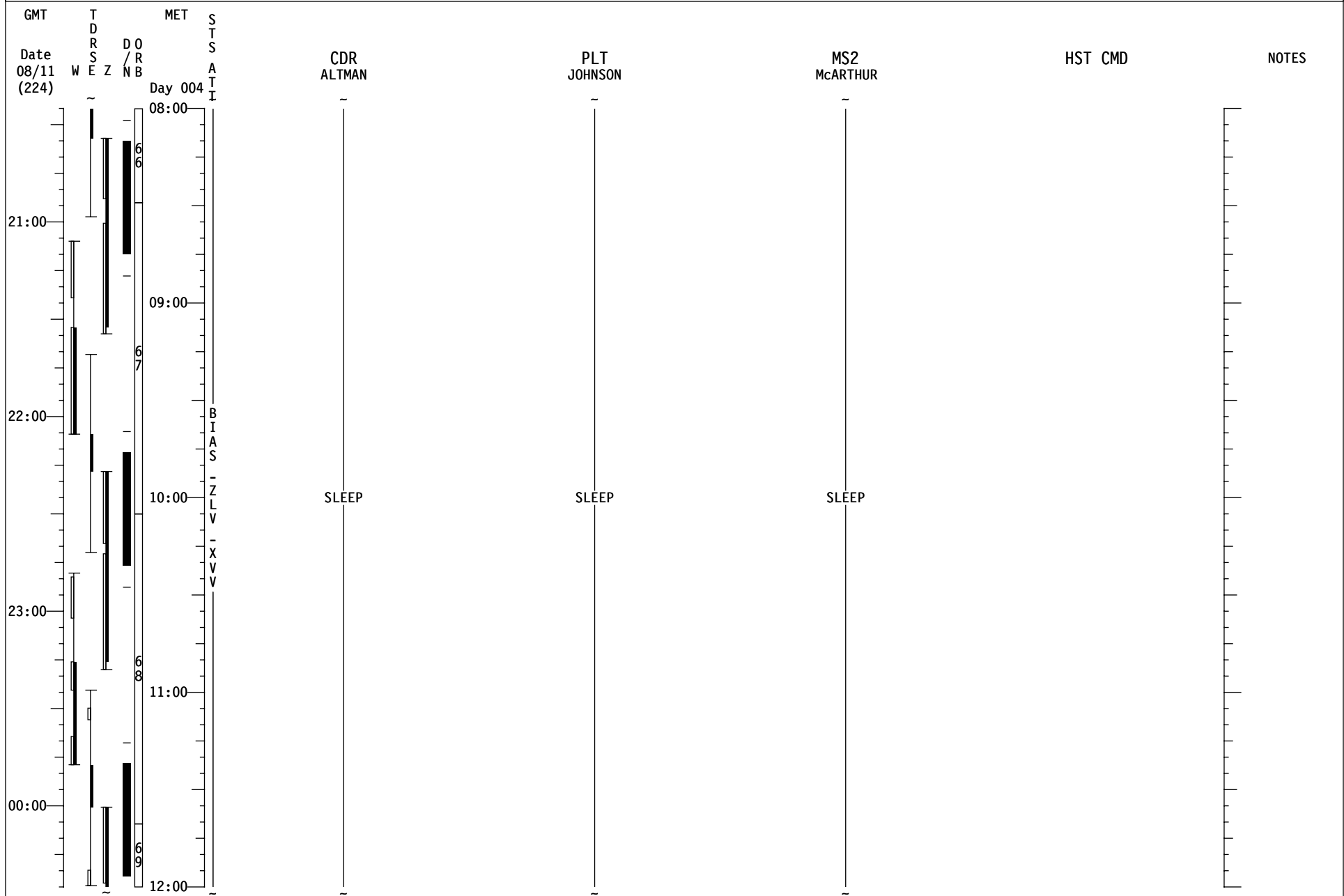
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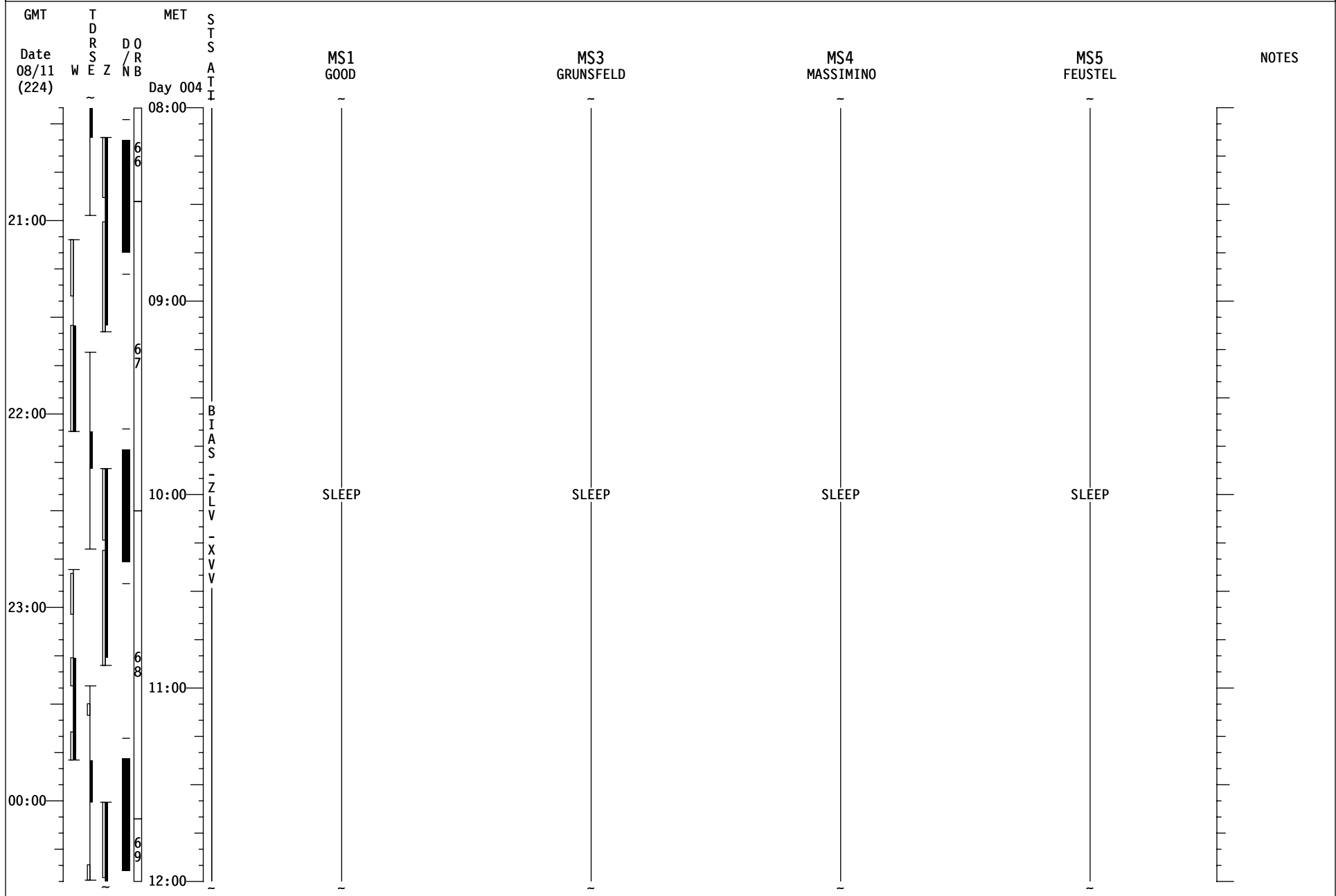
STS-125 (FD05)



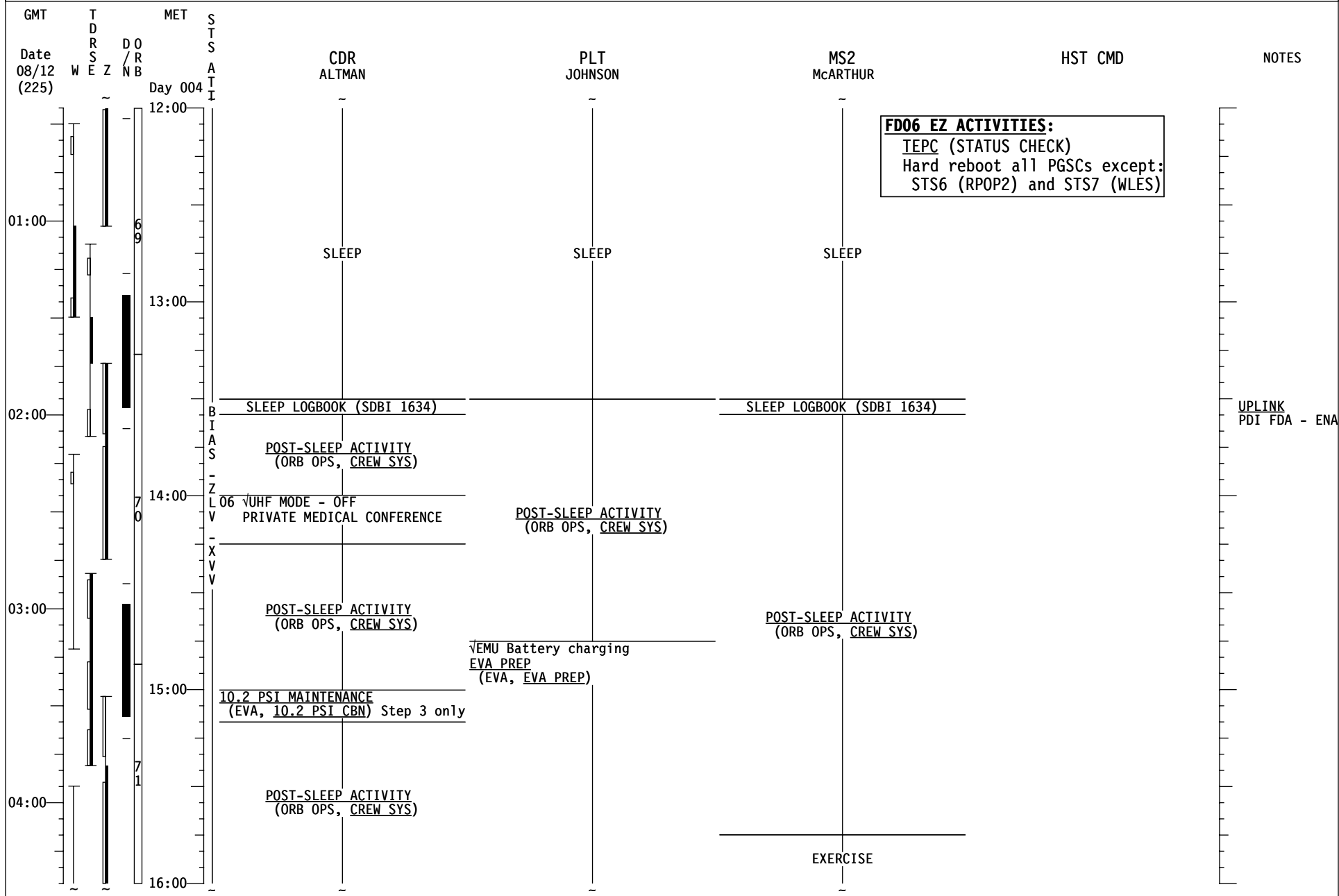
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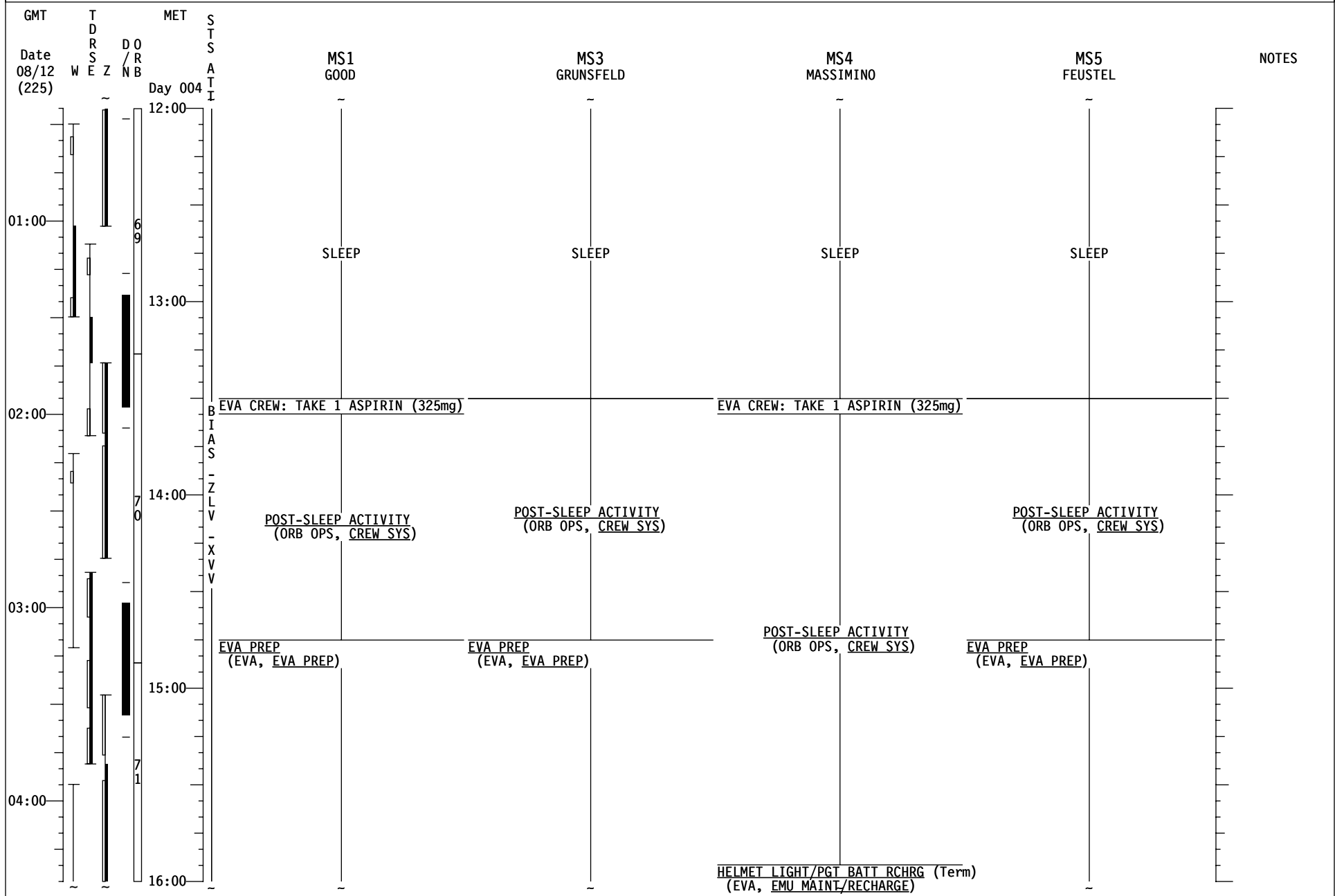
STS-125 (FD05)



STS-125 (FD06)



STS-125 (FD06)



STS-125 (FD06)

GMT	T D R S E Z	MET	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/12 (225)	W E Z	Day 004						
16:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA PREP (EVA, EVA PREP)			
				ACT HST ESSENTIAL BUS INTRNL PWR (PL OPS, IN-BAY OPERATIONS)	EMU PURGE (EVA, EVA PREP)		INTERNAL ESSENTIAL POWER ACTIVATION	
05:00				P/TV06 HST EVA (P/TV, SCENES) SETUP	EMU PREBREATHE (EVA, EVA PREP)	EXERCISE		
				P/TV03 FSS OPS (SETUP & OPS) (P/TV, SCENES) Rotate - Item 2			POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				ROTATE HST (-V3 to -V2 POSN) (PL OPS, IN-BAY OPERATIONS)			ROTATE HST (-V3 to -V2 POSN) (PL OPS, IN-BAY OPERATIONS)	
17:00				G2 SET EXPANSION (ORB OPS, DPS) Configure Dual G2, (1212)	DEPRESS (Cue Card, DEPRESS/REPRESS)			
				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 1 only, using FES PRI B	POST DEPRESS (CC, DPRS/RPRS)			
06:00				MNVR (INRTL) (SS Protect) R=56 P=215 Y=84 A10/AUTO/VERN (4/17:30) Init MNVR	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10	DAILY SETUP (PDRS, EVA SETUP)		UPLINK β21 + Mask Boxes 2,3,4
				MNVR (TRK) BIAS +ZVV (SR Prtct) TG=2 BV=5 P=145 Y=0 OM=333 A10/AUTO/VERN (17:50) Init TRK	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 13	COS (PDRS, EVA 3)	ESM PREP FOR COS INSTALLATION COS/COSTAR CHANGEOUT (INCLUDES PREP & CHECK-OUT)	
18:00					P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10			
07:00					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 14			
					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 15			
				MNVR (INRTL) (SS Protect) R=56 P=215 Y=84 A10/AUTO/VERN (18:50) Init MNVR	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10			
19:00					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 17			
					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 16			
08:00				MNVR (TRK) BIAS +ZVV (SR Prtct) TG=2 BV=5 P=145 Y=0 OM=333 A10/AUTO/VERN (19:25) Init TRK	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10			
				MEAL				
20:00					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 18		COS ALIVENESS TEST	

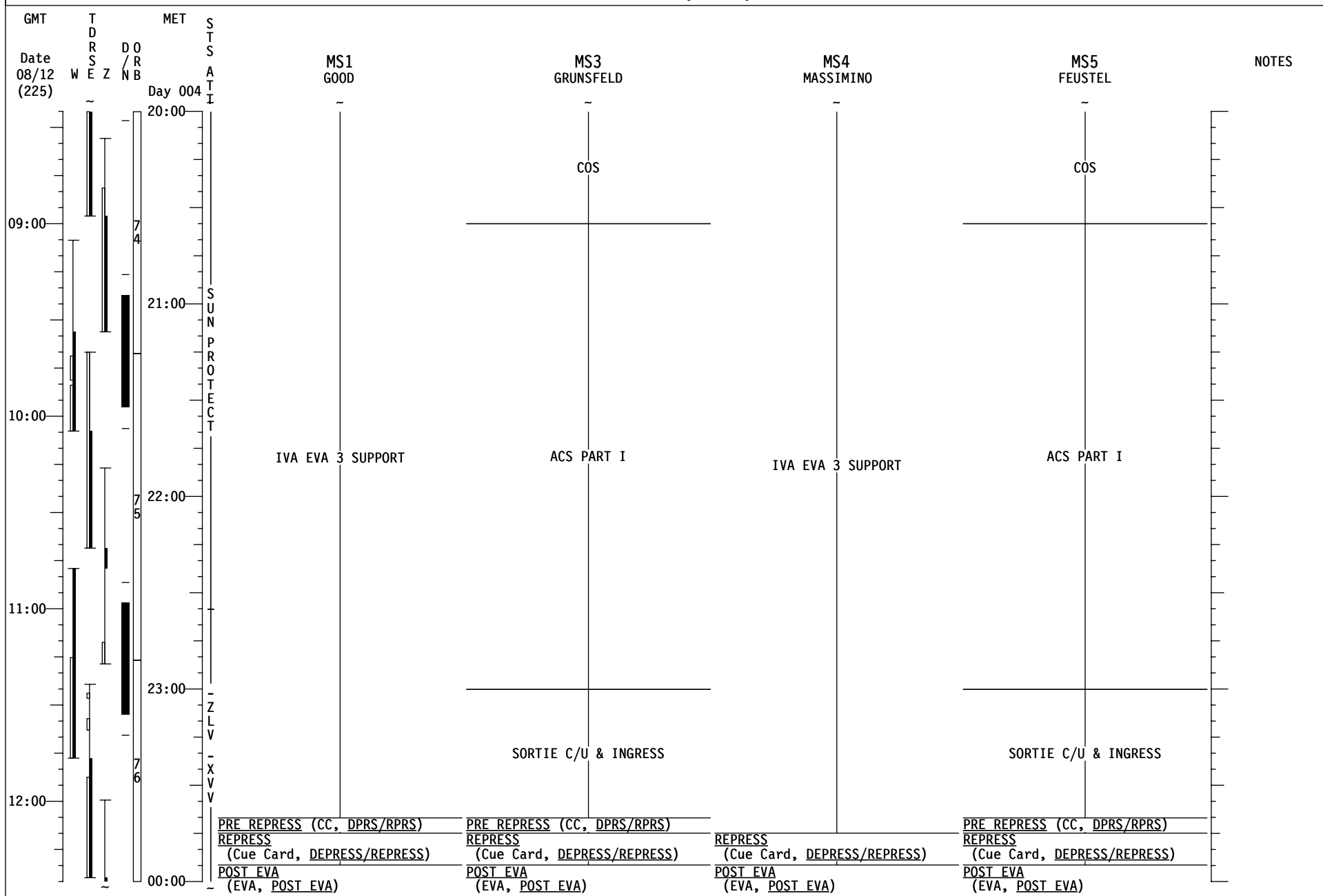
STS-125 (FD06)

GMT	T D R S E Z	MET	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/12 (225)	W E Z	Day 004						
16:00	7 1			EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	HELMET LIGHT/PGT BATT RCHRG (Term) (EVA, EMU MAINT/RECHARGE) REBA BATTERY RECHARGE (Term) (EVA, EMU MAINT/RECHARGE)	EVA PREP (EVA, EVA PREP)	
				EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)		EMU PURGE (EVA, EVA PREP)	
05:00				EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)		EMU PREBREATHE (EVA, EVA PREP)	
						EXERCISE		
17:00	7 2			DEPRESS (Cue Card, DEPRESS/REPRESS)	DEPRESS (Cue Card, DEPRESS/REPRESS)		DEPRESS (Cue Card, DEPRESS/REPRESS)	
				POST DEPRESS (CC, DPRS/RPRS)	POST DEPRESS (CC, DPRS/RPRS)		POST DEPRESS (CC, DPRS/RPRS)	
06:00					SORTIE EGRESS & S/U		SORTIE EGRESS & S/U	
				EXERCISE				
18:00								
07:00	7 3					IVA EVA 3 SUPPORT		
					COS		COS	
19:00				IVA EVA 3 SUPPORT				
08:00	7 4							
20:00								

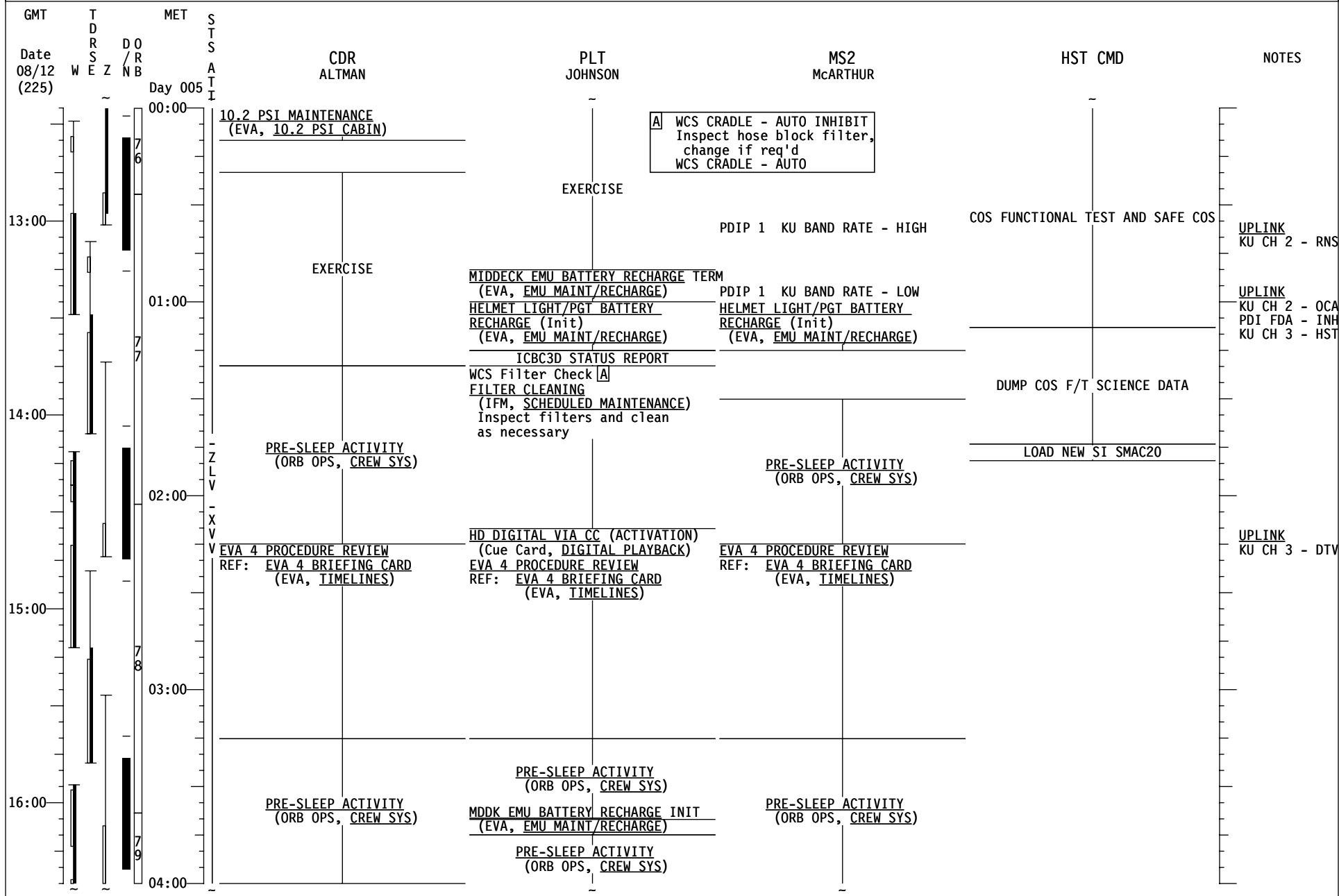
STS-125 (FD06)

GMT	TDRS W E Z	MET DO R N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/12 (225)		Day 004						
20:00				MEAL	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 18 P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10	COS (PDRS, EVA 3)	COS ALIVENESS TEST ESM RECOVERY AND CONFIG TO J600	
09:00				MNVR (INRTL) (SS Protect) R=56 P=215 Y=84 A10/AUTO/VERN (20:26) Init MNVR	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 19 P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 20 P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 21	ACS PART 1 (PDRS, EVA 3)		
21:00				MNVR (TRK) BIAS +ZVV (SR Prtct) P TG=2 BV=5 P=145 Y=0 OM=333 R A10/AUTO/VERN (21:06) Init TRK	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 3 - Items 1,9,10		POWER DOWN ACS	
10:00				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 2 only, FES PRI B req'd				
22:00				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) MNVR (INRTL) (SS Protect) R=56 P=215 Y=84 A10/AUTO/VERN (4/22:01) Init MNVR			POWER ON ACS	
11:00				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A10/AUTO/VERN (4/22:35) Init TRK				
23:00						EGRESS AT AIRLOCK (PDRS, EVA CLOSEOUT)		
12:00					P/TV05 HST SURVEY (OPS) (P/TV, SCENES) -V2 Survey - Items 7,8,9 P/TV03 FSS OPS (SETUP & OPS) (P/TV, SCENES) Rotate - Item 2	RMS EXTENDED PARK (PDRS, EXTENDED PARK)		
00:00				ROTATE HST (-V2 to -V3 POSN) (PL OPS, IN-BAY OPERATIONS) G2 SET CONTRACTION (ORB OPS, DPS) Configure Single G2, (1111)	EXERCISE	ROTATE HST (-V2 to -V3 POSN) (PL OPS, IN-BAY OPERATIONS)	COS FUNCTIONAL TEST AND SAFE COS	UPLINK β21 + Mask Boxes 1,2

STS-125 (FD06)



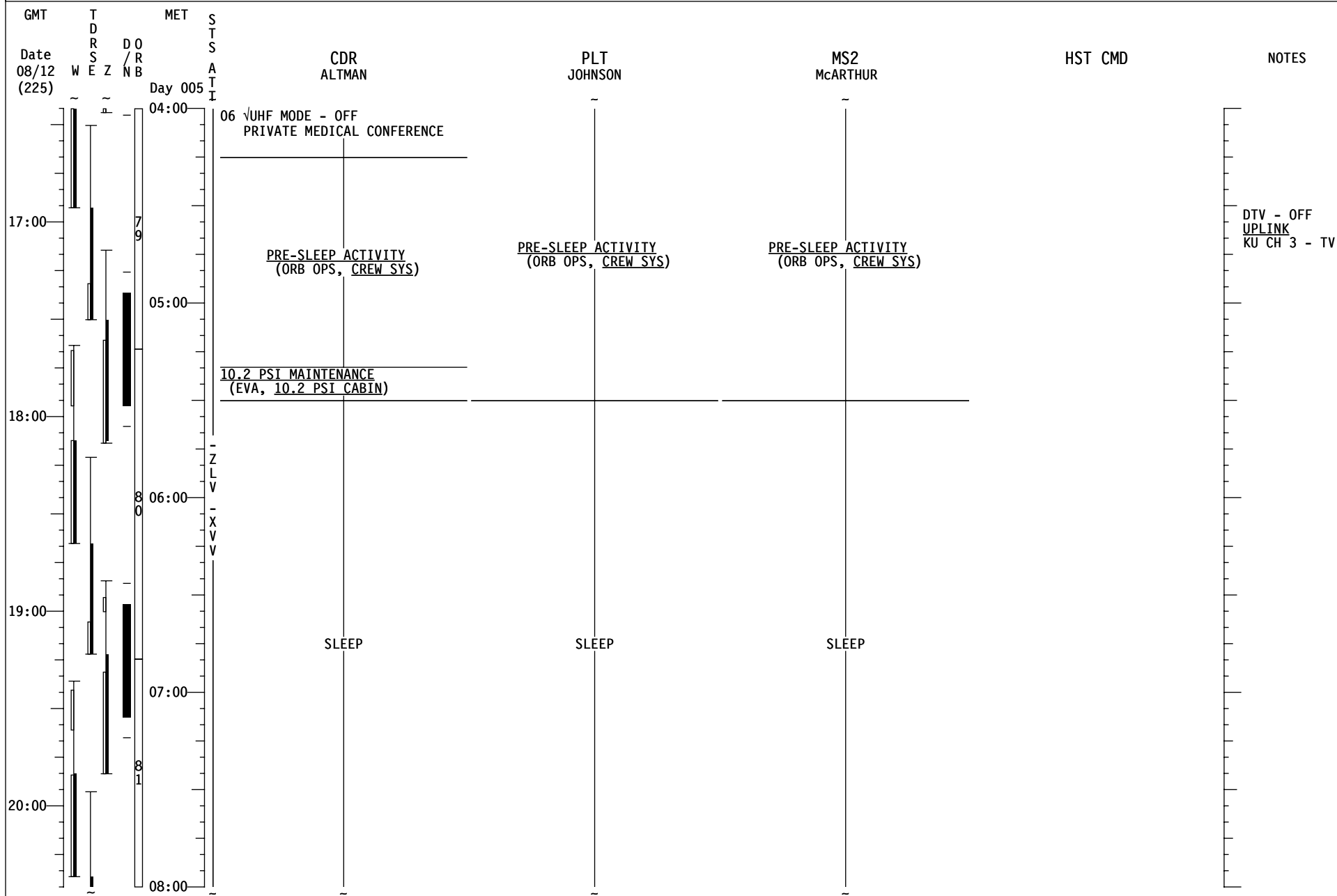
STS-125 (FD06)



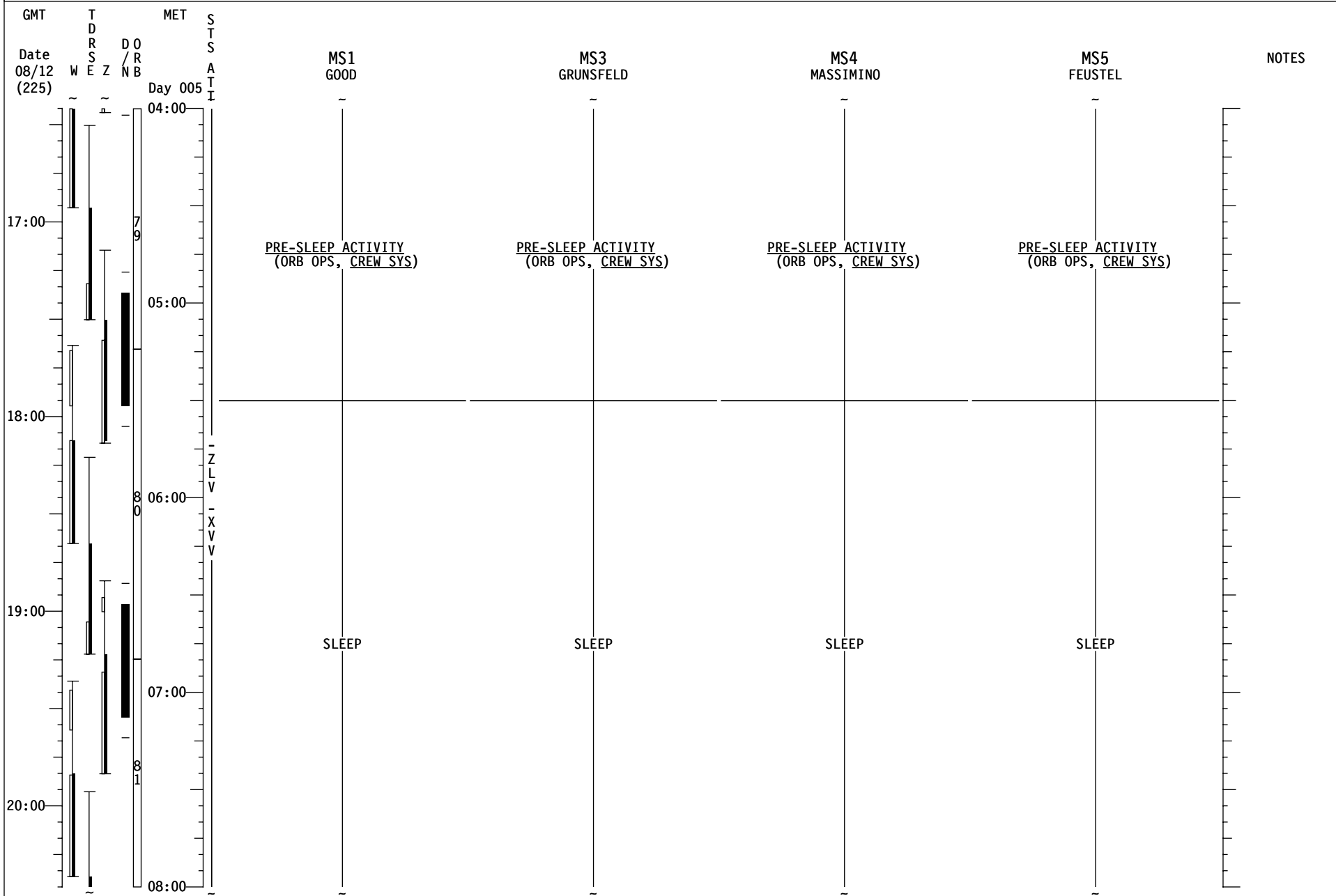
STS-125 (FD06)

GMT	T D R S W E Z	MET	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/12 (225)	W E Z	Day 005						
00:00				POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	
13:00								
01:00				EMU BATTERY INSTALLATION & LiOH CHANGEOUT (EVA, EMU MAINT/RECHARGE)	EMU BATTERY INSTALLATION & LiOH CHANGEOUT (EVA, EMU MAINT/RECHARGE)	EVA 4 TOOL CONFIG (EVA, TIMELINES)	EVA 4 TOOL CONFIG (EVA, TIMELINES)	
14:00				EMU SWAP (EVA, AIRLOCK CONFIG) EMU X to MDDK, EMU Y to A/L	EMU SWAP (EVA, AIRLOCK CONFIG) EMU X to MDDK, EMU Y to A/L			
02:00				REBA BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	REBA BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
15:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA 4 PROCEDURE REVIEW REF: EVA 4 BRIEFING CARD (EVA, TIMELINES)	EVA 4 PROCEDURE REVIEW REF: EVA 4 BRIEFING CARD (EVA, TIMELINES)	
03:00								
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
04:00								

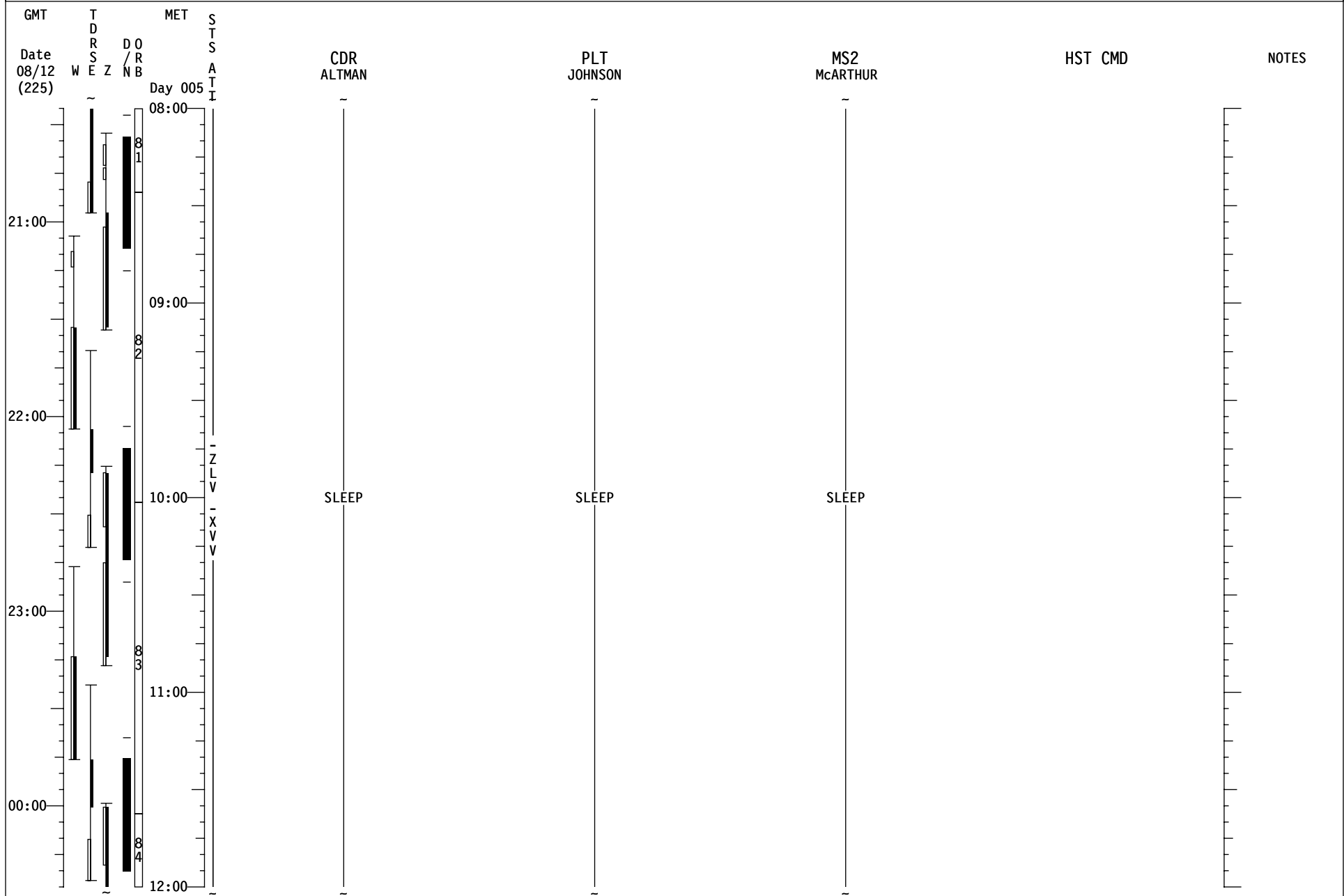
STS-125 (FD06)



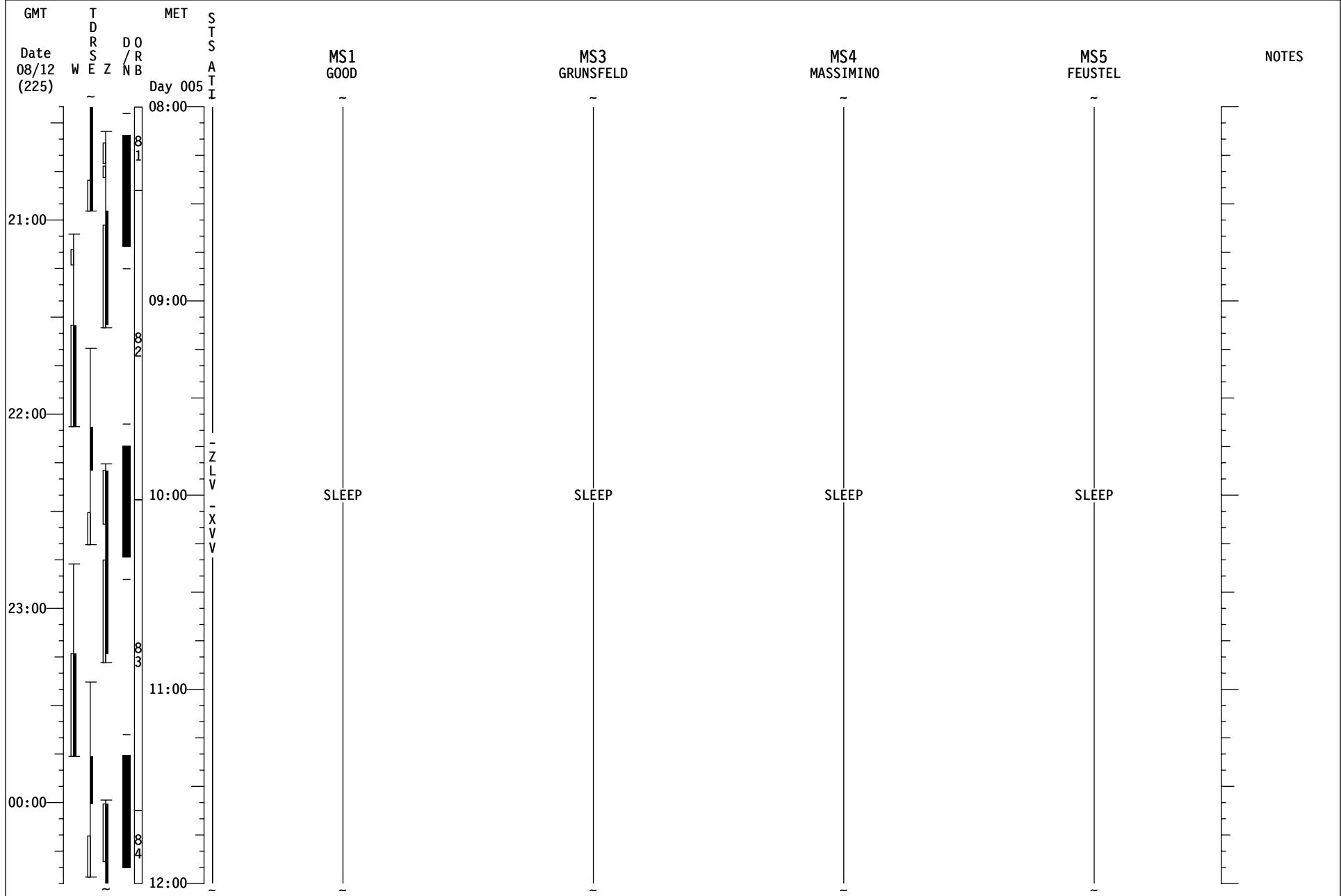
STS-125 (FD06)



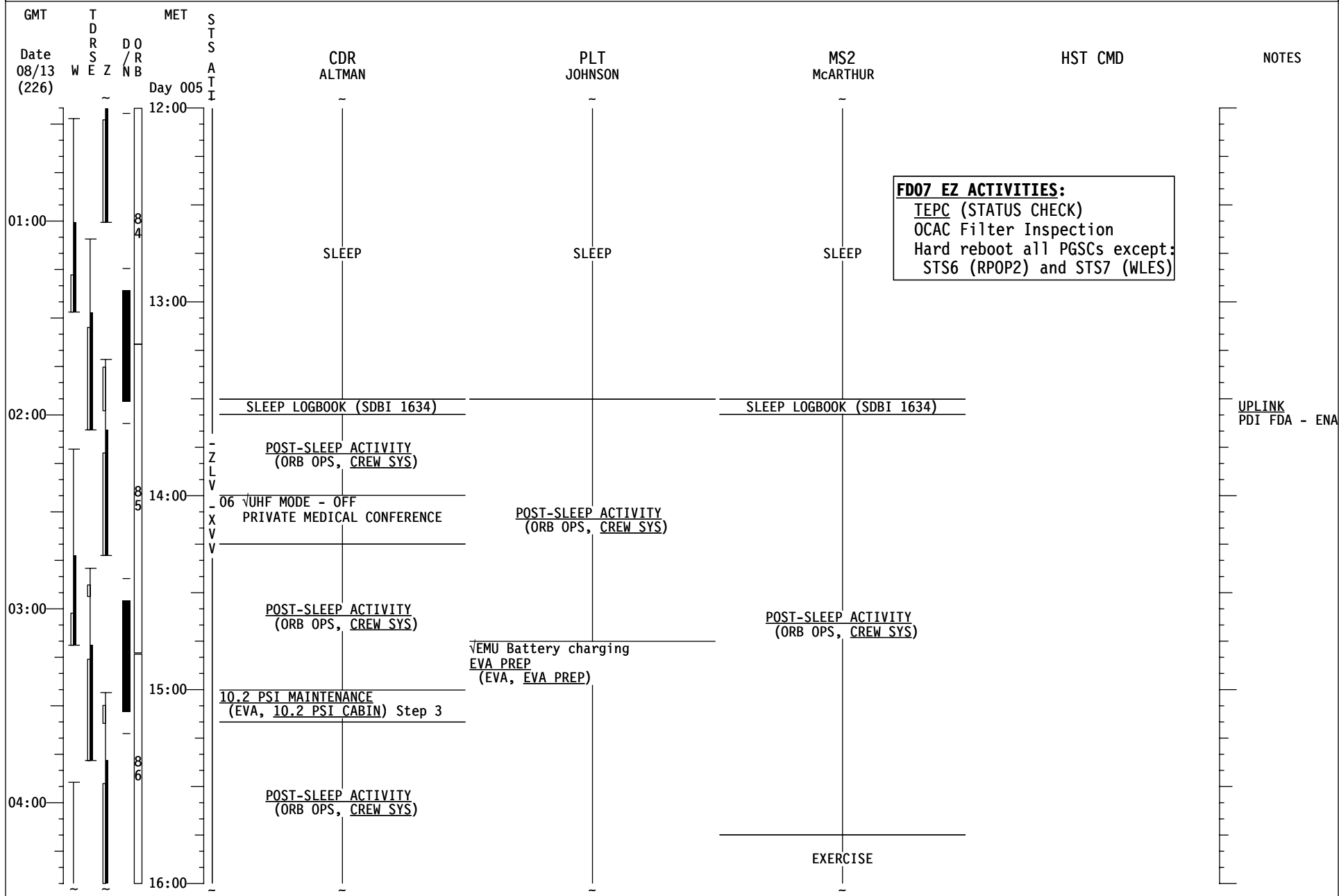
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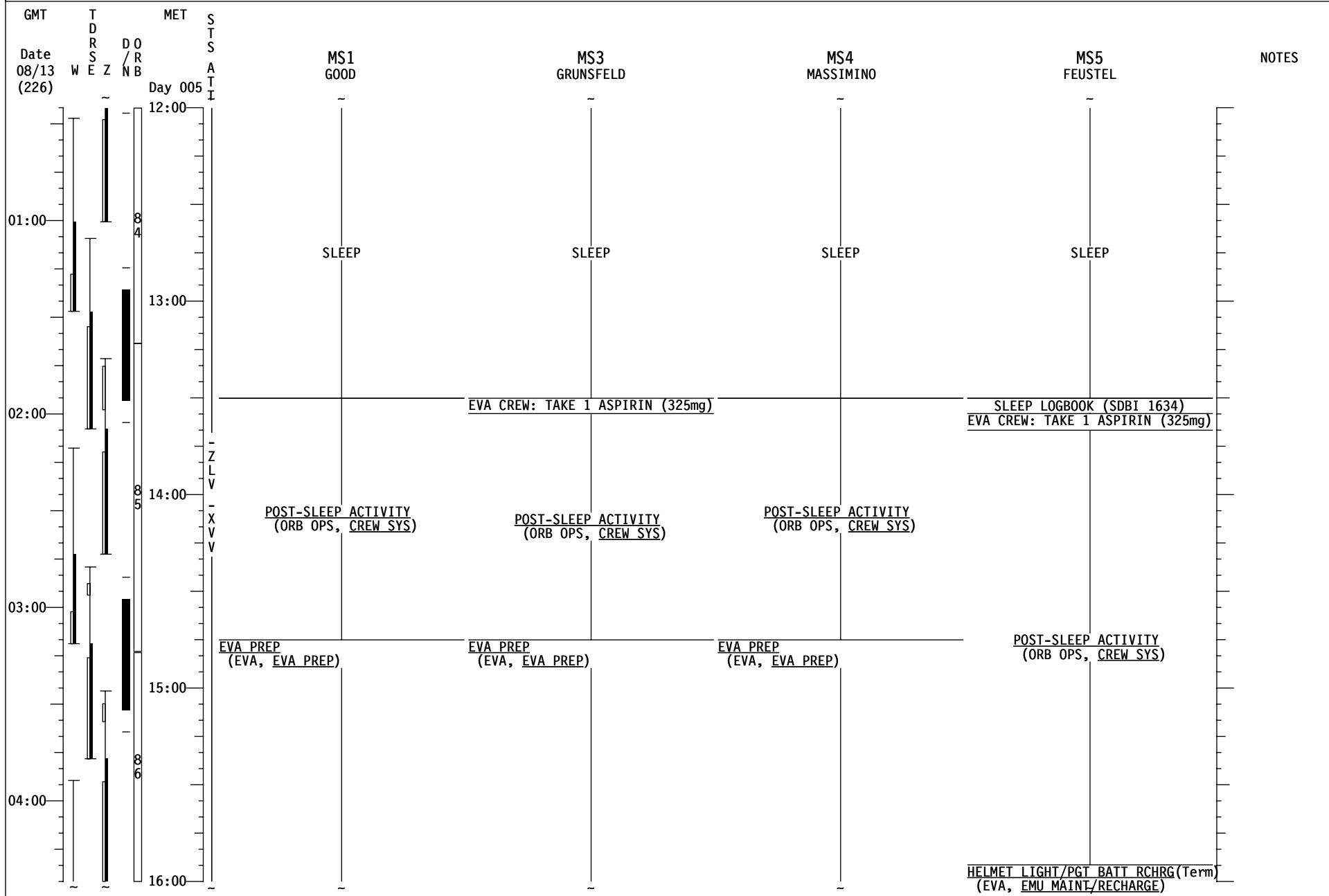
STS-125 (FD06)



STS-125 (FD07)



STS-125 (FD07)



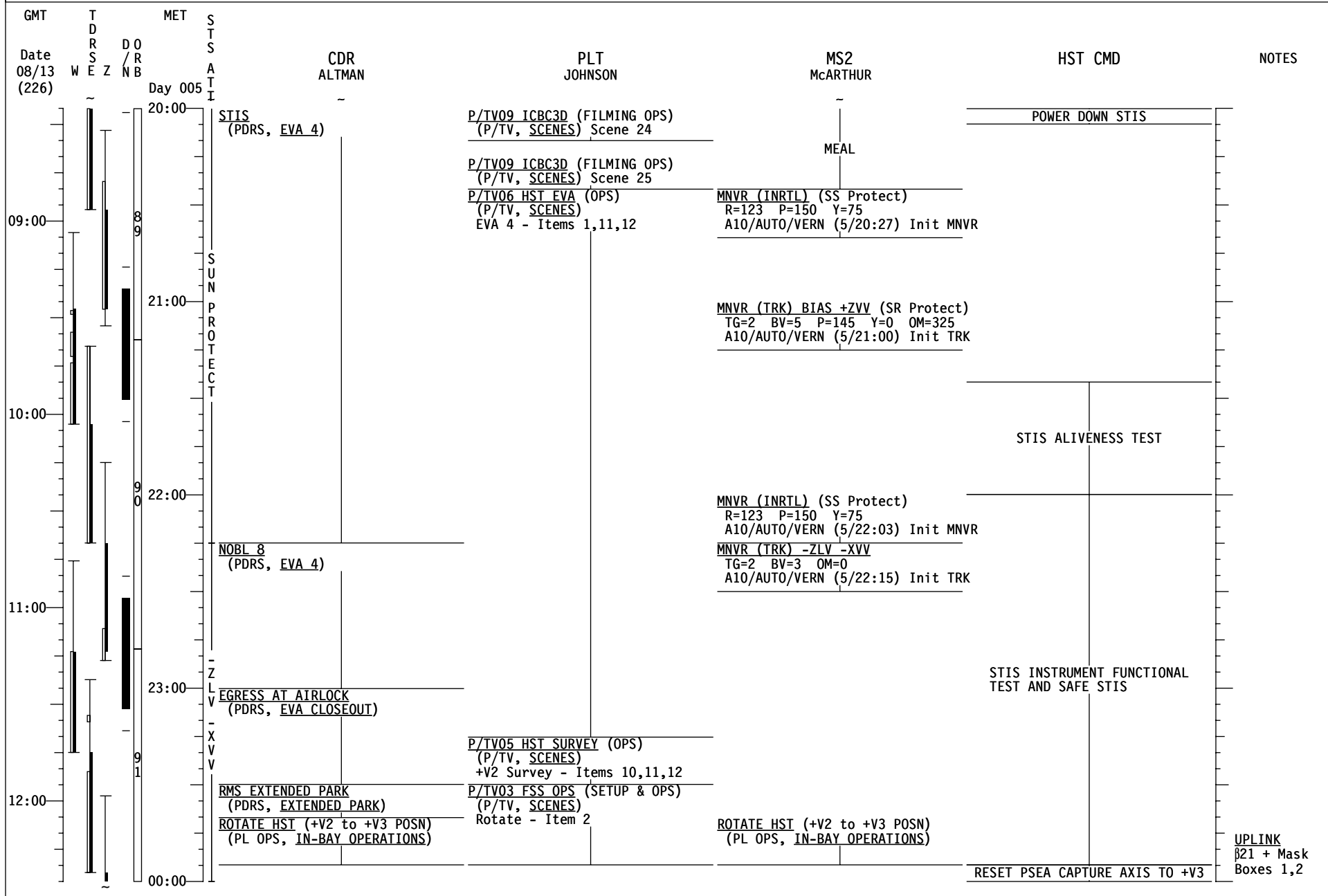
STS-125 (FD07)

GMT	TDRS W E Z	MET D O R B N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/13 (226)		Day 005						
16:00				<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>EVA PREP</u> (EVA, EVA PREP)			
				L17 Check MCIU filter screen	<u>EMU PURGE</u> (EVA, EVA PREP)	EXERCISE		
05:00				<u>P/TV06 HST EVA</u> (P/TV, SCENES) SETUP	<u>EMU PREBREATHE</u> (EVA, EVA PREP)			
				<u>P/TV03 FSS OPS</u> (SETUP & OPS) (P/TV, SCENES) Rotate - Item 2				
				<u>ROTATE HST</u> (-V3 to +V2 POSN) (PL OPS, IN-BAY OPERATIONS)			<u>ROTATE HST</u> (-V3 to +V2 POSN) (PL OPS, IN-BAY OPERATIONS)	
17:00				<u>G2 SET EXPANSION</u> (ORB OPS, DPS) Configure Dual G2, (1212)	<u>DEPRESS</u> (Cue Card, DEPRESS/REPRESS)			
				<u>DAILY SETUP</u> (PDRS, EVA SETUP)	<u>POST DEPRESS</u> (CC, DPRS/RPRS)			
06:00				<u>STIS</u> (PDRS, EVA 4)	<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 4 - Items 1,11,12			
								UPLINK β21 + Mask Boxes 2,3,4
18:00					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 22	<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=325 A10/AUTO/VERN (5/17:45) Init TRK		
					<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 4 - Items 1,11,12	<u>CABIN TEMP CONTROLLER RECNFG 2(1)</u> (ORB OPS, ECLS)		
07:00								
19:00						<u>MNVR (INRTL)</u> (SS Protect) R=123 P=150 Y=75 A10/AUTO/VERN (5/18:51) Init MNVR		
08:00					<u>P/TV09 ICBC3D</u> (FILMING OPS) (P/TV, SCENES) Scene 23	<u>HEATER RCNFG-CNFG B</u> (ORB OPS, EPS)		
					<u>P/TV06 HST EVA</u> (OPS) (P/TV, SCENES) EVA 4 - Items 1,11,12	<u>MNVR (TRK) BIAS +ZVV</u> (SR Protect) TG=2 BV=5 P=145 Y=0 OM=325 A10/AUTO/VERN (5/19:25) Init TRK		
20:00						MEAL		

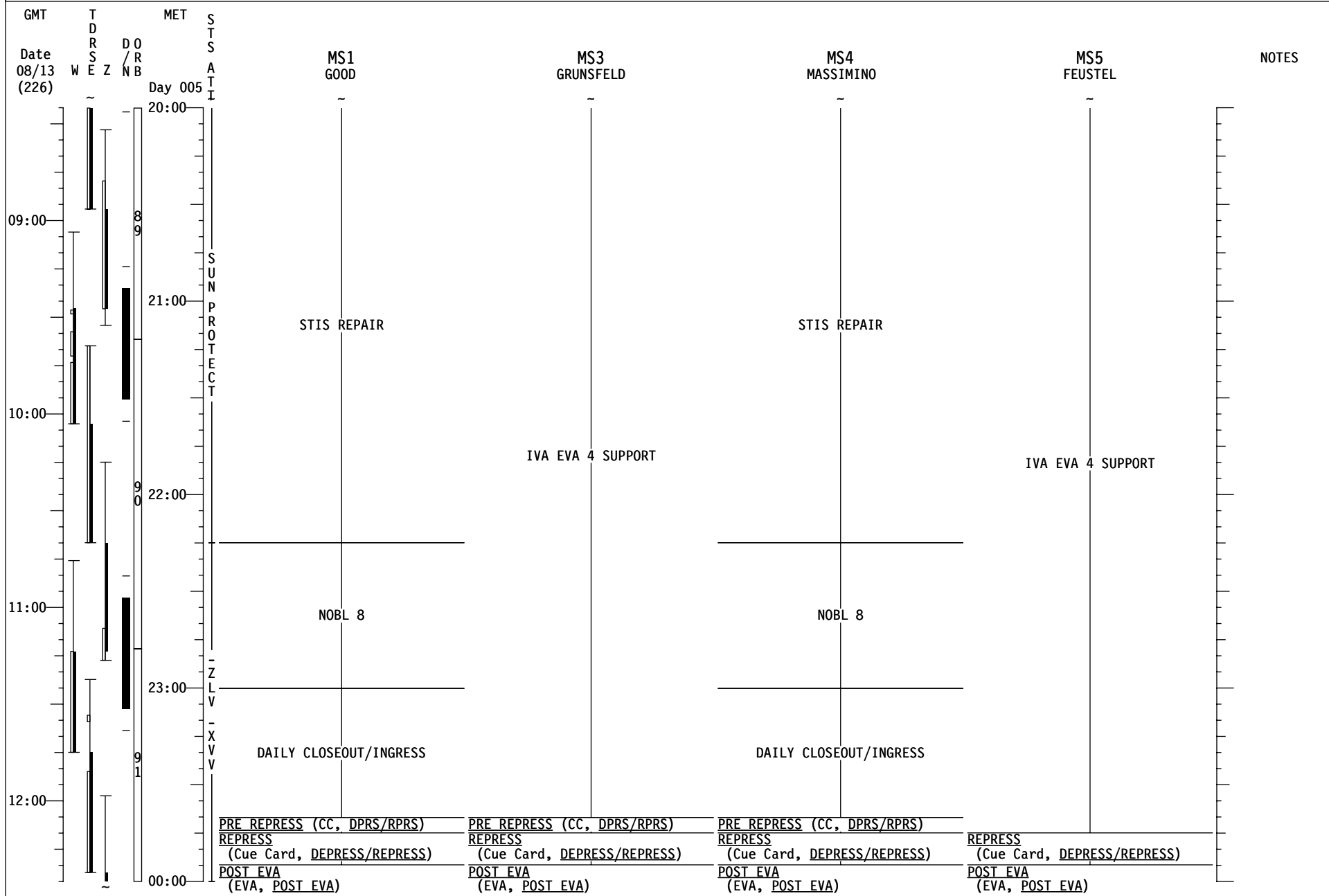
STS-125 (FD07)

GMT	T D R S E Z	MET	S T S	MS1	MS3	MS4	MS5	NOTES
Date 08/13 (226)	W E Z	Day 005	A T I	GOOD	GRUNSFELD	MASSIMINO	FEUSTEL	
16:00				EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	HELMET LIGHT/PGF-BATT RCHRG (Term) (EVA, EMU MAINT/RECHARGE) REBA BATTERY RECHARGE (Term) (EVA, EMU MAINT/RECHARGE)	
				EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)	EMU PURGE (EVA, EVA PREP)		
05:00				EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)	EMU PREBREATHE (EVA, EVA PREP)		
			Z L V				EXERCISE	
17:00			X V	DEPRESS (Cue Card, DEPRESS/REPRESS)	DEPRESS (Cue Card, DEPRESS/REPRESS)	DEPRESS (Cue Card, DEPRESS/REPRESS)		
				POST DEPRESS (CC, DPRS/RPRS)	POST DEPRESS (CC, DPRS/RPRS)	POST DEPRESS (CC, DPRS/RPRS)		
06:00				EGRESS/DAILY SETUP		EGRESS/DAILY SETUP		
					EXERCISE			
07:00			S U N				IVA EVA 4 SUPPORT	
			P R O T E C T	STIS REPAIR		STIS REPAIR		
19:00					IVA EVA 4 SUPPORT			
08:00								
20:00								

STS-125 (FD07)



STS-125 (FD07)



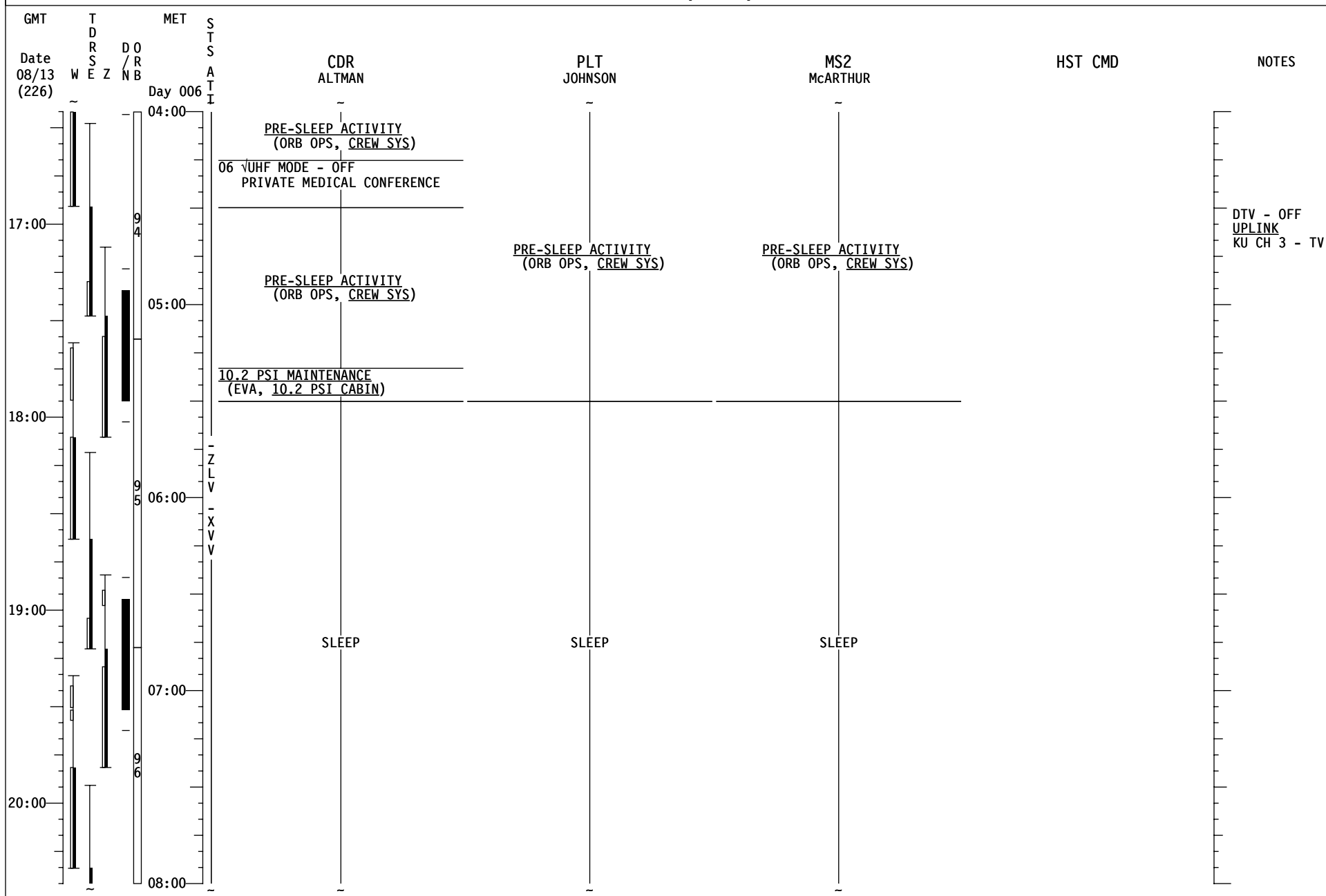
STS-125 (FD07)

GMT	TDRS W E Z	MET D O R N B	S T S A T T	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/13 (226)		Day 006						
00:00				10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN) G2 SET CONTRACTION (ORB OPS, DPS) Configure Single G2, (1111)		MNVR (TRK) -ZLV -YVV (Simo Dump) TG=2 BV=3 OM=270 A10/AUTO/VERN (6/00:00) Init TRK SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump	DUMP STIS F/T SCIENCE DATA	UPLINK PDI FDA - INH KU CH 2 - HST
13:00				EXERCISE	EXERCISE			
01:00				EXERCISE	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) WCS COMPACTOR OPS (DUAL-VANE) (Cue Card)	MIDDECK EMU BATTERY RECHARGE TERM (EVA, EMU MAINT/RECHARGE) SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Supply/Waste Dump		
14:00				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 B11/AUTO/VERN (01:35) Init TRK	HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE) ICBC3D STATUS REPORT HD DIGITAL VIA CC (ACTIVATION) (Cue Card, DIGITAL PLAYBACK)	HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE) PDIP 1 KU BAND RATE - HIGH		UPLINK KU CH 2 - RNS KU CH 3 - DTV
02:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPLINK KU CH 2 - OCA
15:00				EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	PDIP 1 KU BAND RATE - LOW EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)		
03:00								
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
04:00					MIDDECK EMU BATTERY RECHARGE INIT (EVA, EMU MAINT/RECHARGE) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			

STS-125 (FD07)

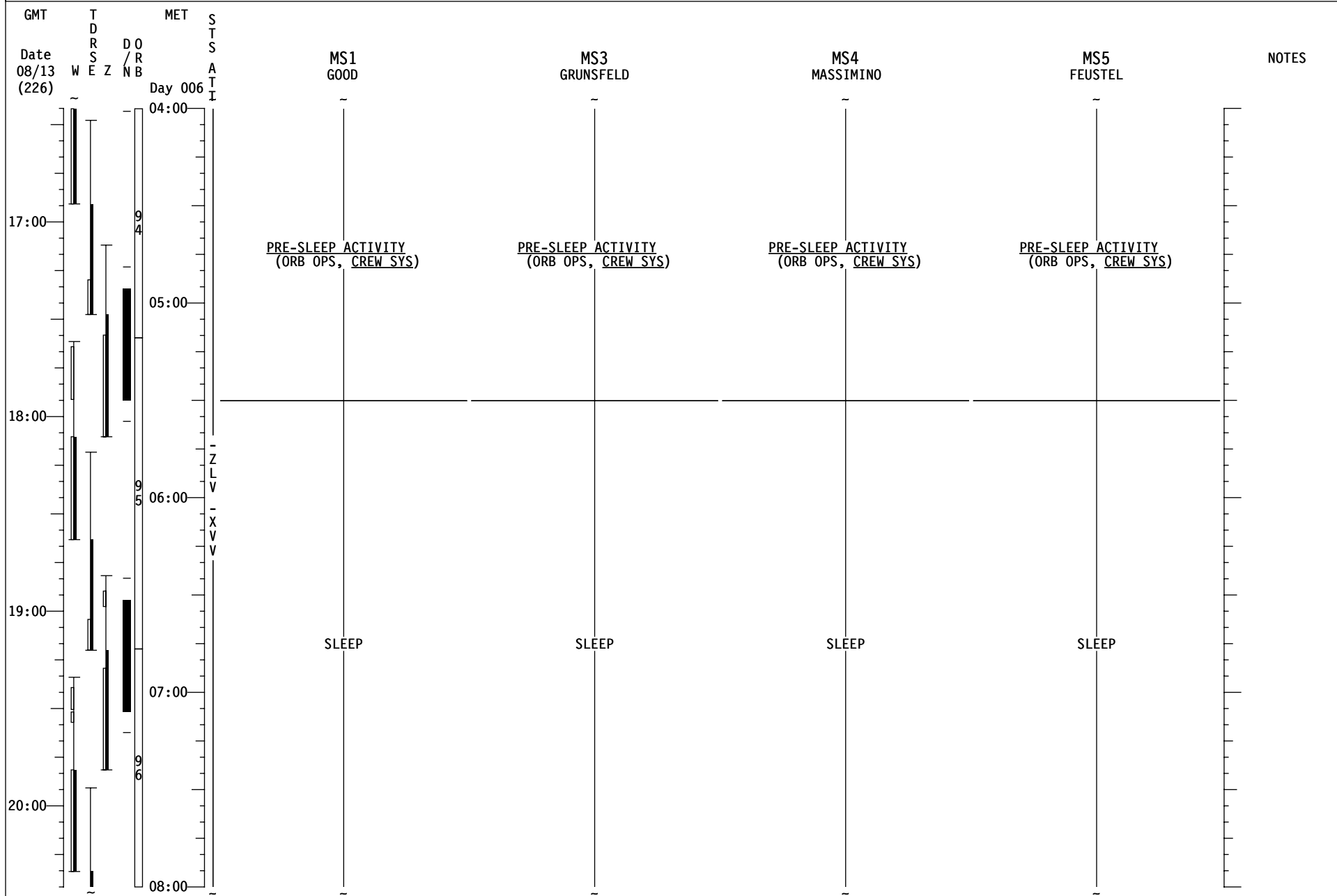
GMT	TDRSEZ	MET	SATS	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/13 (226)	W E Z	Day 006	00:00	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	
13:00			Z L V					
			01:00	EMU BATTERY INSTALLATION & LiOH CHANGEOUT (EVA, EMU MAINT/RECHARGE)	EMU BATTERY INSTALLATION & LiOH CHANGEOUT (EVA, EMU MAINT/RECHARGE)	EVA 5 TOOL CONFIG (EVA, TIMELINES)	EVA 5 TOOL CONFIG (EVA, TIMELINES)	
14:00				EMU SWAP (EVA, AIRLOCK CONFIG) EMU X to MDDK, EMU Y to A/L	EMU SWAP (EVA, AIRLOCK CONFIG) EMU X to MDDK, EMU Y to A/L			
			02:00	REBA BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	REBA BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
15:00			M N V R	EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	EVA 5 PROCEDURE REVIEW REF: EVA 5 BRIEFING CARD (EVA, TIMELINES)	
			03:00					
16:00			Z L V					
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
			04:00					

STS-125 (FD07)

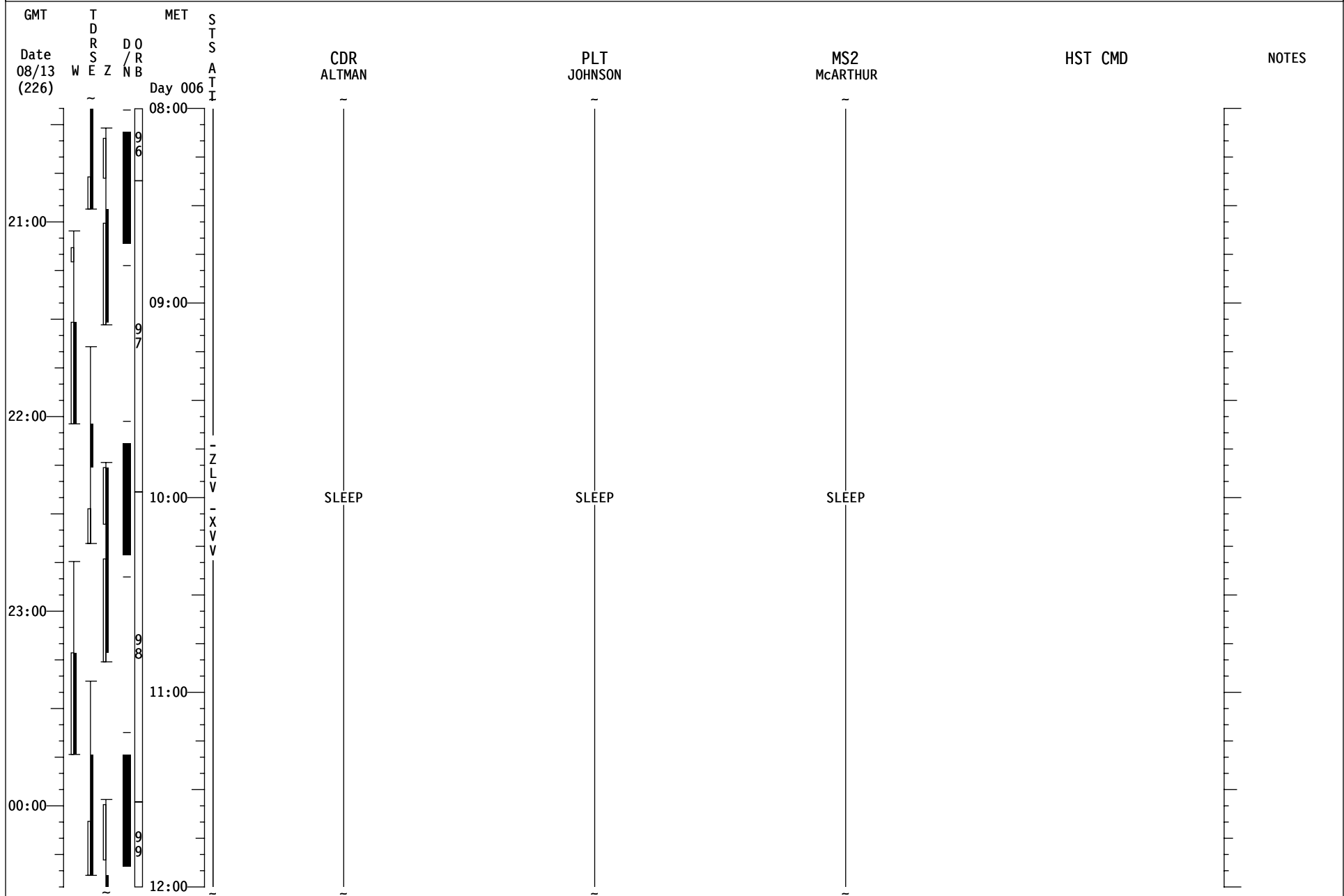


DTV - OFF
UPLINK
KU CH 3 - TV

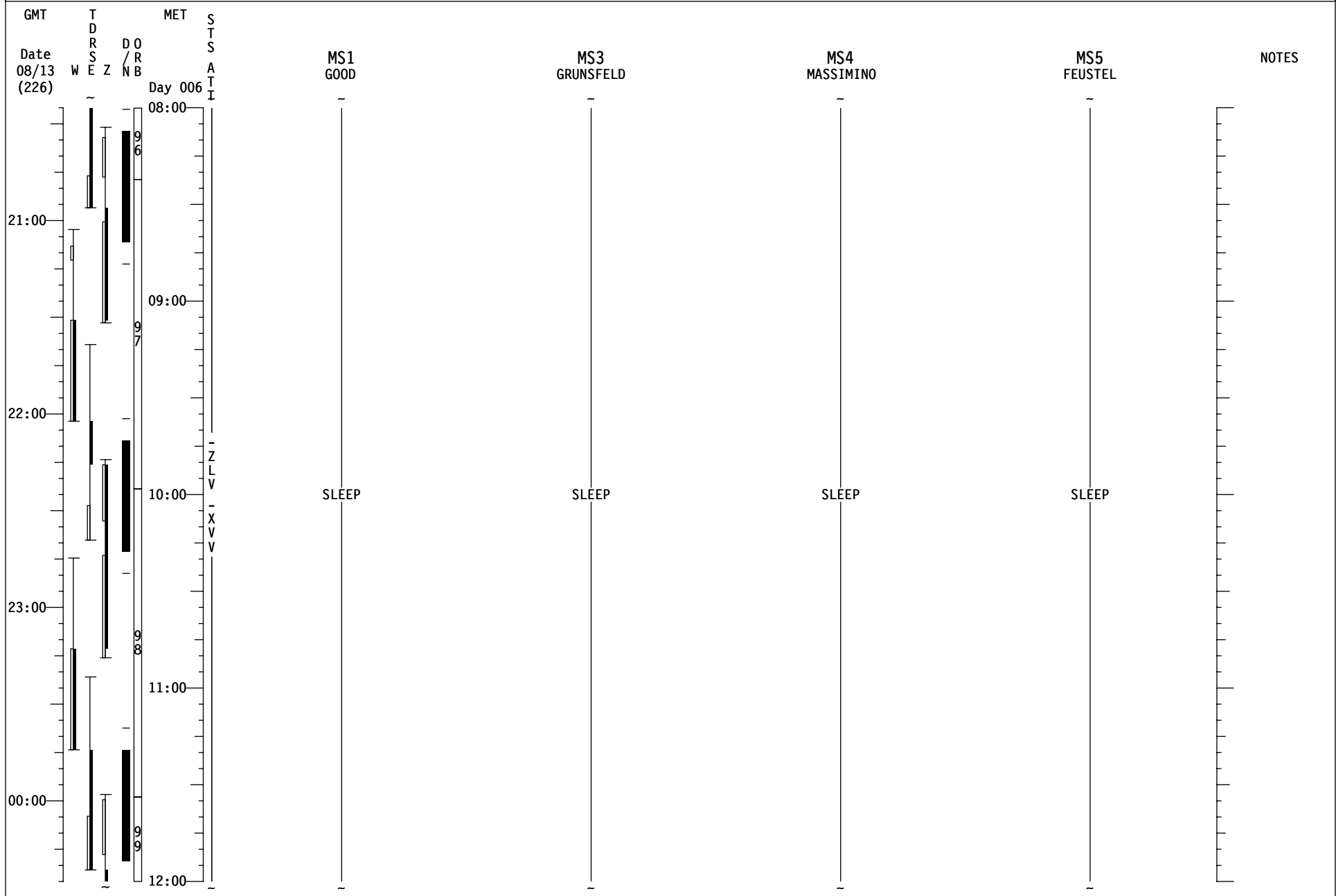
STS-125 (FD07)



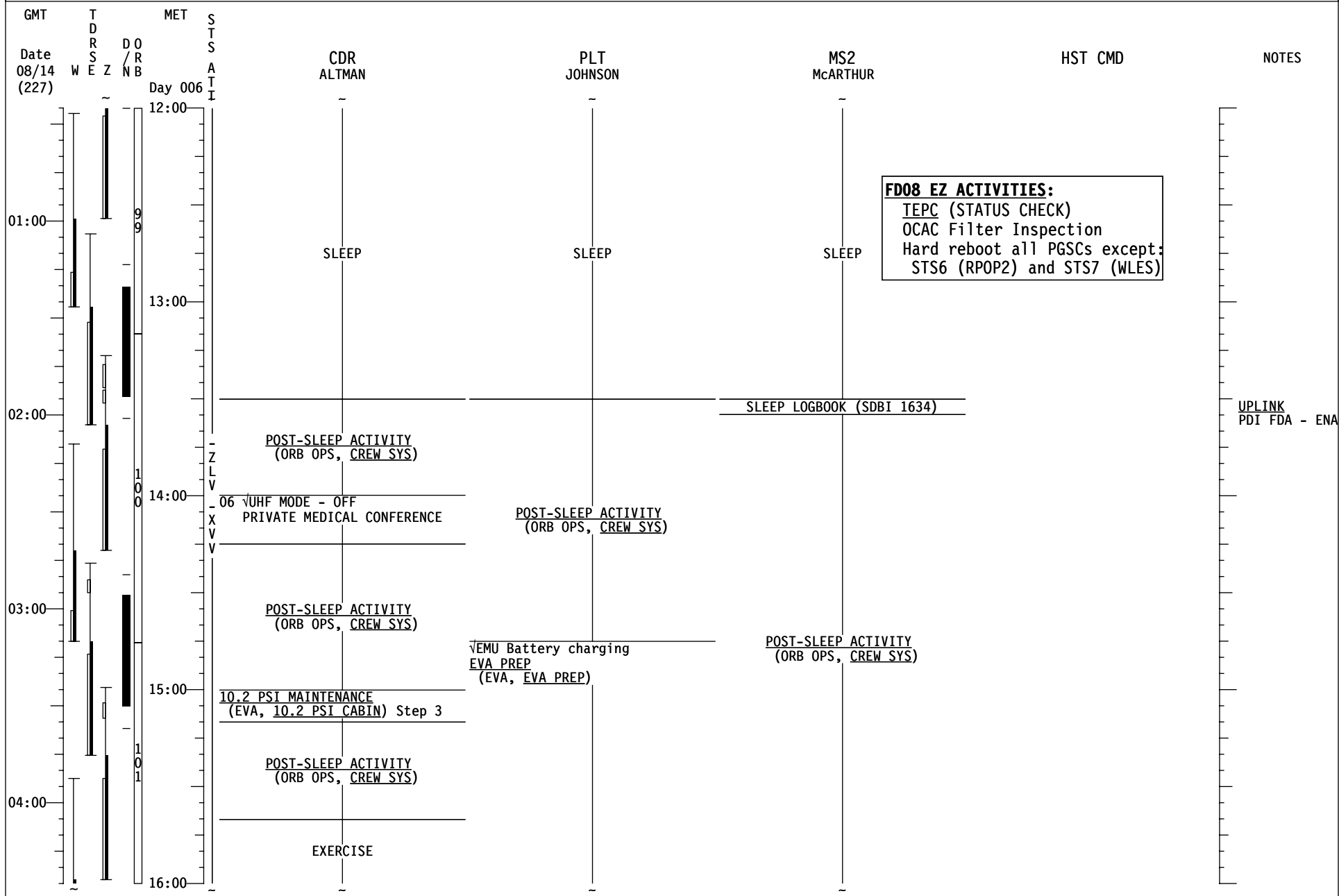
STS-125 (FD07)



STS-125 (FD07)

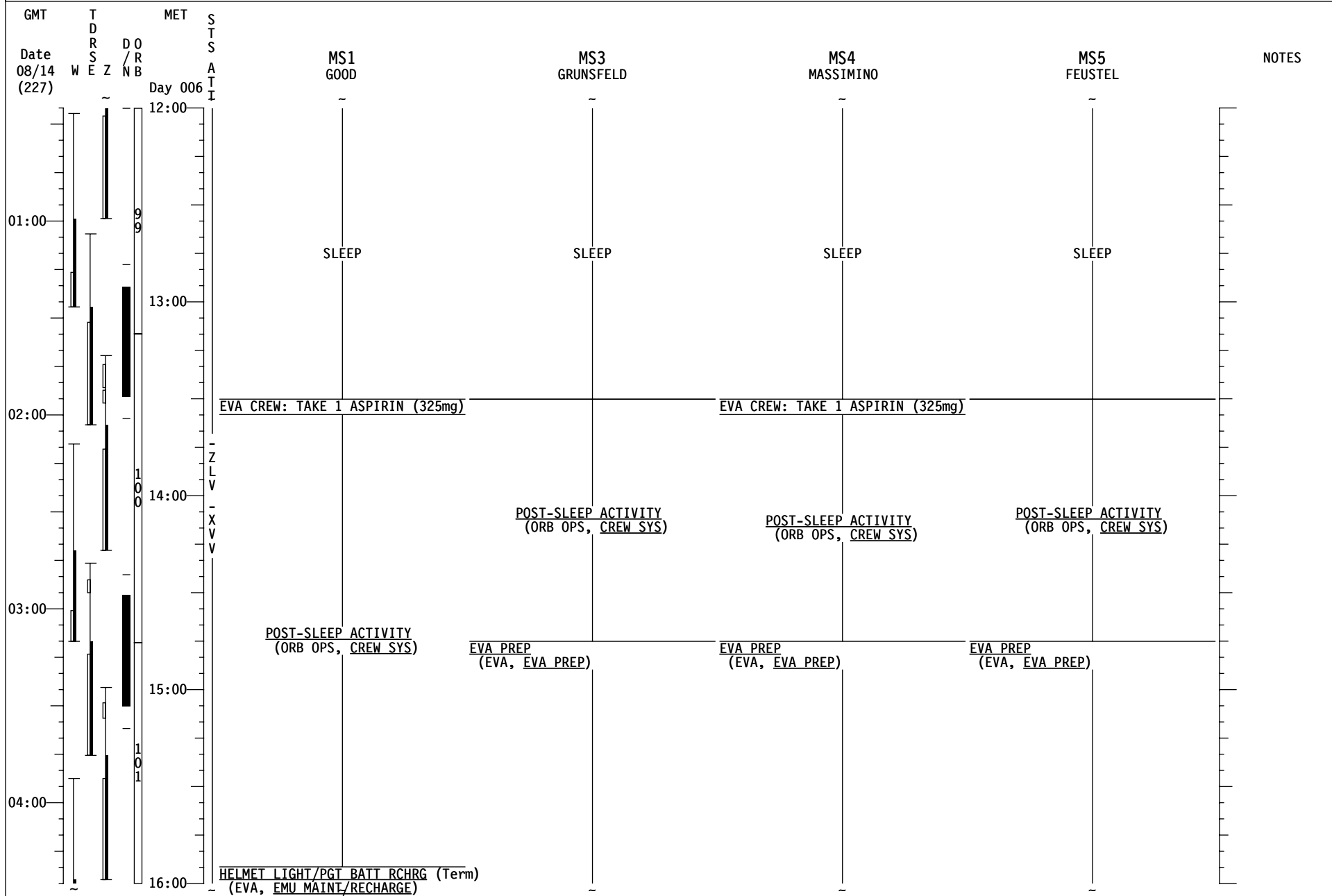


STS-125 (FD08)



FD08 EZ ACTIVITIES:
 TEPC (STATUS CHECK)
 OCAC Filter Inspection
 Hard reboot all PGSCs except:
 STS6 (RPOP2) and STS7 (WLES)

STS-125 (FD08)



STS-125 (FD08)

GMT	T D R S E Z	MET	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/14 (227)	W E Z	Day 006						
16:00				EXERCISE	EVA PREP (EVA, EVA PREP)			
05:00					EMU PURGE (EVA, EVA PREP)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
					EMU PREBREATHE (EVA, EVA PREP)			
				P/TV06 HST EVA (P/TV, SCENES) Z L SETUP				
17:00				P/TV03 FSS OPS (SETUP & OPS) (P/TV, SCENES)				
				A/L Depress - Item 4	DEPRESS (Cue Card, DEPRESS/REPRESS)	L17 Check MCIU filter screen		
06:00				G2 SET EXPANSION (ORB OPS, DPS) Configure Dual G2, (1212)	POST DEPRESS (CC, DPRS/RPRS)	DAILY SETUP (PDRS, EVA SETUP)		UPLINK β21 + Mask Boxes 2,3,4
					P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15			
				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 1 only, using FES PRI B		FGS-2 (PDRS, EVA 5)		
18:00				MNVR (TRK) BIAS +ZVV (SR Prtct) TG=2 BV=5 P=145 Y=0 OM=320 A10/AUTO/VERN (6/18:00) Init TRK			PREP FOR FGS-2 CHANGEOUT	
07:00								
				MNVR (INRTL) (SS Protect) R=132 P=138 Y=63 A10/AUTO/VERN (6/18:52) Init MNVR				
19:00								
				MNVR (TRK) BIAS +ZVV (SR Protect) TG=2 BV=5 P=145 Y=0 OM=320 A10/AUTO/VERN (6/19:20) Init TRK				
08:00				MEAL			FGS-2R ALIVENESS TEST	
20:00					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 26			

STS-125 (FD08)

GMT	TDRSEZ	MET	SATS	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/14 (227)	W E Z	Day 006	SATS					
			16:00	HELMET LIGHT/PGT BATT RCHRG (Term) (EVA, EMU MAINT/RECHARGE) REBA BATTERY RECHARGE (Term) (EVA, EMU MAINT/RECHARGE)	EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	EVA PREP (EVA, EVA PREP)	
			05:00		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)	
			17:00	EXERCISE				
			06:00		DEPRESS (Cue Card, DEPRESS/REPRESS) POST DEPRESS (CC, DPRS/RPRS)	DEPRESS (Cue Card, DEPRESS/REPRESS) POST DEPRESS (CC, DPRS/RPRS)	DEPRESS (Cue Card, DEPRESS/REPRESS) POST DEPRESS (CC, DPRS/RPRS)	
					SORTIE EGRESS & S/U		SORTIE EGRESS & S/U	
			07:00	IVA EVA 5 SUPPORT		EXERCISE		
			18:00		FGS-2 R&R		FGS-2 R&R	
			08:00			IVA EVA 5 SUPPORT		
			19:00					
			20:00					

STS-125 (FD08)

GMT	TDRS W E Z	MET DO R N B	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/14 (227)		Day 006						
20:00				MEAL	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15	FGS-2 (PDRS, EVA 5)	FGS-2R ALIVENESS TEST	
					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 27	ACS PART 2 (PDRS, EVA 5)	POWER DOWN ACS	
09:00				MNVR (INRTL) (SS Protect) R=132 P=138 Y=63 A10/AUTO/VERN (20:28) Init MNVR	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15			
					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 28			
21:00				MNVR (TRK) BIAS +ZVV (SR Protect) TG=2 BV=5 P=145 Y=0 OM=320 A10/AUTO/VERN (21:03) Init TRK	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15			
					P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 29			
10:00				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 30			
					P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15			
22:00				MNVR (INRTL) (SS Protect) R=132 P=138 Y=63 A10/AUTO/VERN (22:04) Init MNVR	P/TV09 ICBC3D (FILMING OPS) (P/TV, SCENES) Scene 30		ACS REPAIR WFC CEB-R ALIVENESS TEST	
				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 2 only, FES PRI B req'd	P/TV06 HST EVA (OPS) (P/TV, SCENES) EVA 5 - Items 1,13-15		RE-ENABLE OTA HTR GROUPS (PART 2)	
11:00				P/TV08 HST RELEASE (SETUP) (P/TV, SCENES)		MFR RELEASE (PDRS, EVA CLOSEOUT)		RE-ENABLE OTA HTR GROUPS (PART 3)
					P/TV05 HST SURVEY (OPS) (P/TV, SCENES) +V3 Survey - Items 4,5,6			
23:00				MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A10/AUTO/VERN (22:50) Init TRK	P/TV03 FSS OPS (SETUP & OPS) (P/TV, SCENES) Rotate - Item 2	RMS EXTENDED PARK (PDRS, EXTENDED PARK)		
				L ROTATE HST (+V3 to -V2 POSN) (PL OPS, IN-BAY OPERATIONS)		ROTATE HST (+V3 to -V2 POSN) (PL OPS, IN-BAY OPERATIONS)		
12:00				- HGA DEPLOYMENT (Part 1) (PL OPS, IN-BAY OPERATIONS) Steps 1 & 2	P/TV08 HST RELEASE (OPS) (P/TV, SCENES) HGA Deploy - Item 1	HGA DEPLOYMENT (Part 1) (PL OPS, IN-BAY OPERATIONS) Steps 1 & 2	PARALLEL HGA DEPLOYMENT (PART 1)	
					P/TV03 FSS OPS (OPS) (P/TV, SCENES) Rotate - Item 2	ROTATE HST (-V2 to -V3 POSN) (PL OPS, IN-BAY OPERATIONS)		
00:00				ROTATE HST (-V2 to -V3 POSN) (PL OPS, IN-BAY OPERATIONS)		ROTATE HST (-V2 to -V3 POSN) (PL OPS, IN-BAY OPERATIONS)		UPLINK β21 + Mask Boxes 1,2

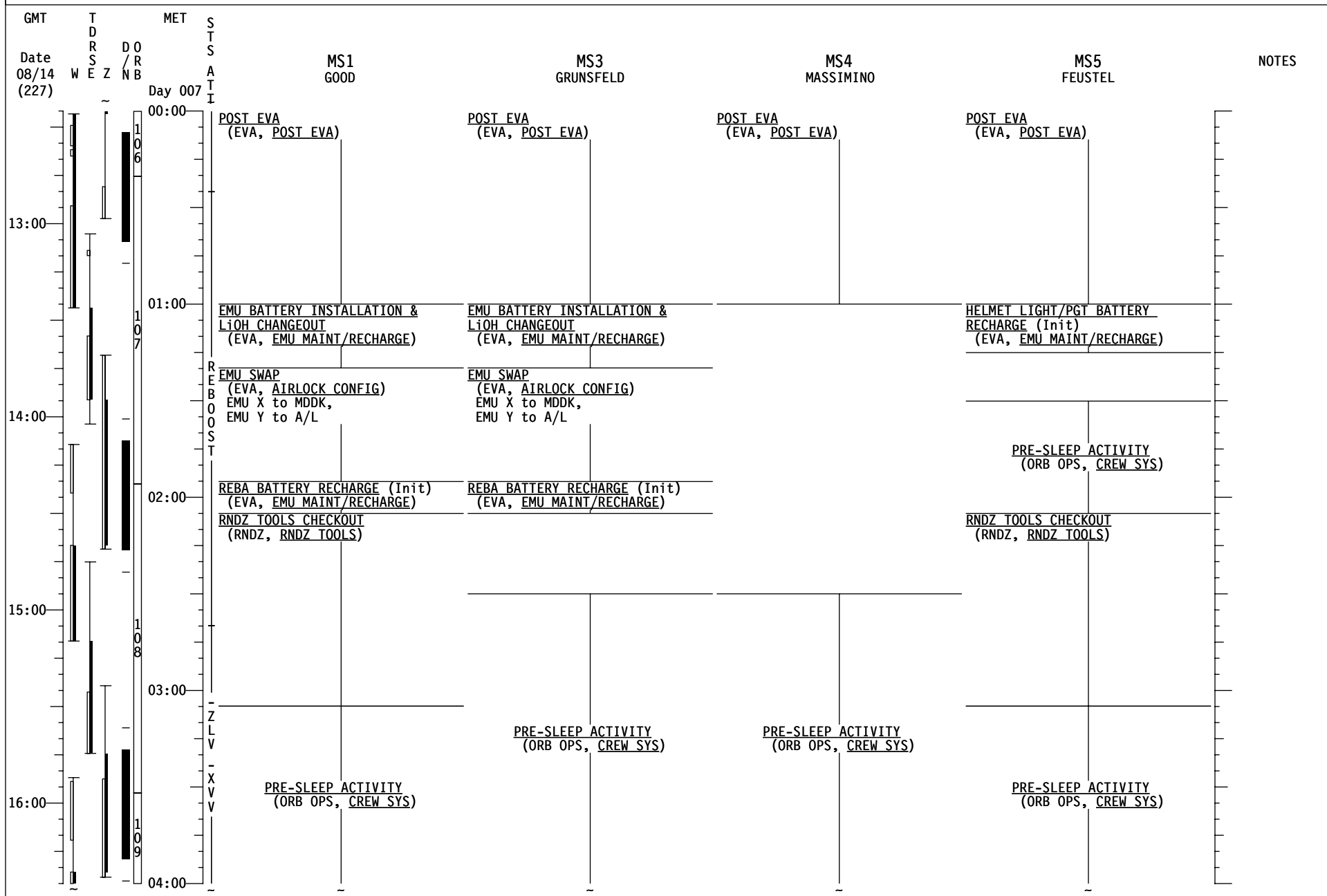
STS-125 (FD08)

GMT	T D R S E Z	MET	S T S	MS1	MS3	MS4	MS5	NOTES
Date 08/14 (227)	W E Z	Day 006	A T I	GOOD	GRUNSFELD	MASSIMINO	FEUSTEL	
20:00					FGS-2 R&R		FGS-2 R&R	
09:00								
21:00					ACS PART II		ACS PART II	
10:00				IVA EVA 5 SUPPORT		IVA EVA 5 SUPPORT		
22:00								
11:00								
23:00					SORTIE C/U & INGRESS		SORTIE C/U & INGRESS	
12:00								
00:00					PRE REPRESS (CC, DPRS/RPRS) REPRESS (Cue Card, DEPRESS/REPRESS)	PRE REPRESS (CC, DPRS/RPRS) REPRESS (Cue Card, DEPRESS/REPRESS)	PRE REPRESS (CC, DPRS/RPRS) REPRESS (Cue Card, DEPRESS/REPRESS)	
					POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	POST EVA (EVA, POST EVA)	

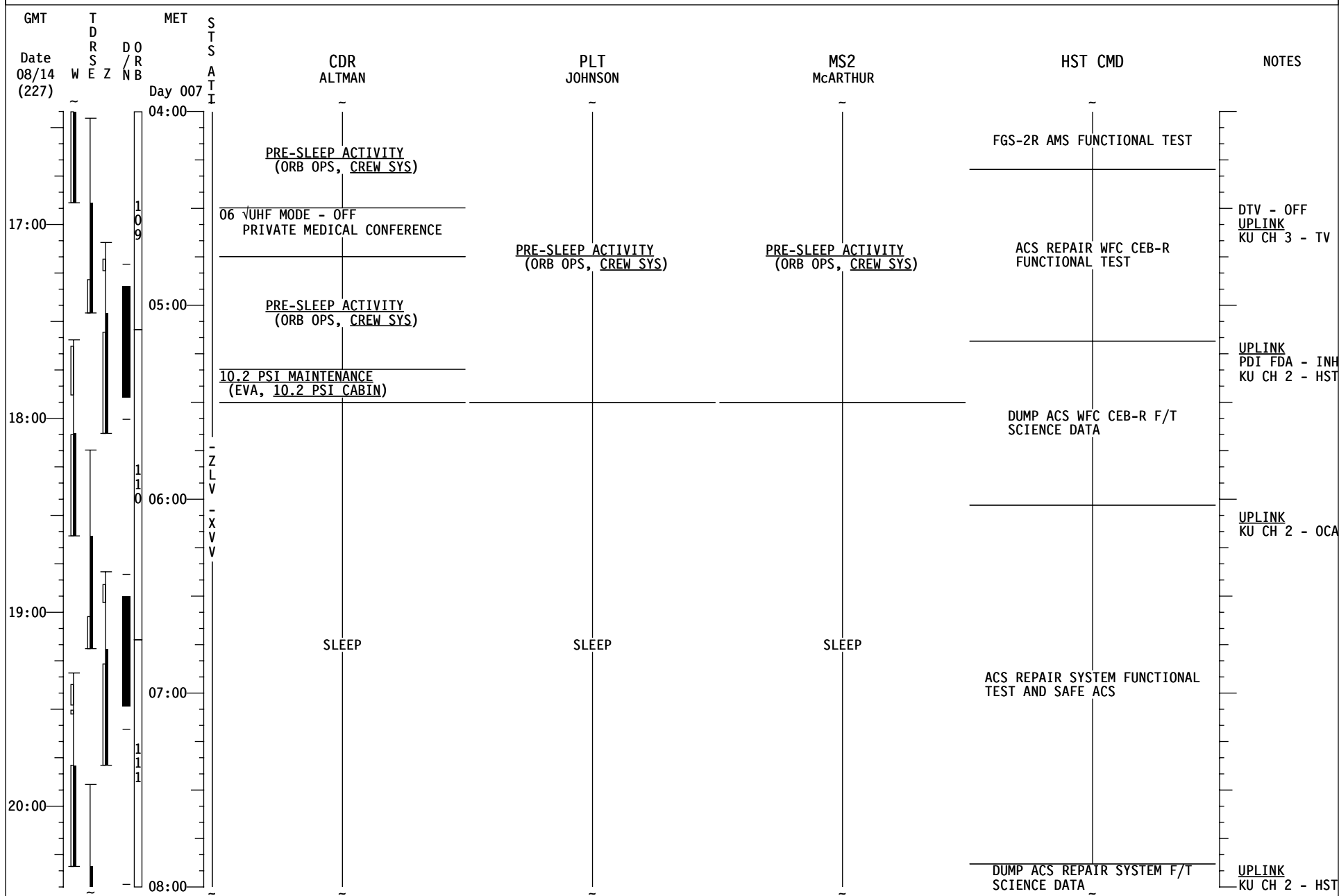
STS-125 (FD08)

GMT	TDRS W E Z	MET DO R/NB	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES
Date 08/14 (227)		Day 007						
00:00				SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 0 to 90 degrees Dual Array Slew	P/TV03 FSS OPS (OPS) (P/TV, SCENES) SA Slew - Item 3	SINGLE (DUAL) SA SLEW (PL OPS, IN-BAY OPERATIONS) 0 to 90 degrees Dual Array Slew	SLEW SOLAR ARRAYS TO 90 DEGREES	
13:00				MNVR (TRK) BIAS +ZVV (Reboost) TG=2 BV=5 P=170 Y=0 OM=180 A10/AUTO/VERN (7/00:45) Init TRK	10.2 PSI MAINTENANCE (EVA, 10.2 PSI CABIN)	PDIP 1 KU BAND RATE - HIGH		UPLINK KU CH 2 - RNS
				AUTO REBOOST (ORB OPS, REBOOST/DAP) CONFIG 3	P/TV07 HST REBOOST (P/TV, SCENES) SETUP	PDIP 1 KU BAND RATE - LOW MIDDECK EMU BATTERY RECHARGE TERM (EVA, EMU MAINT/RECHARGE) HELMET LIGHT/PGT BATTERY RECHARGE (Init) (EVA, EMU MAINT/RECHARGE)		UPLINK KU CH 2 - OCA
14:00						EXERCISE		
02:00				MNVR (TRK) BIAS -ZLV -XVV TG=2 BV=3 OM=0 A10/AUTO/VERN Init TRK	P/TV08 HST RELEASE (P/TV, SCENES) SETUP			
				FUTURE LOADED MNVR (Battery Charge) TG=4 BV=5 P=153 Y=0 OM=346 A10/AUTO/VERN (7/13:27) Init TRK	ICBC3D STATUS REPORT			
15:00				G2 SET CONTRACTION (ORB OPS, DPS) Configure Single G2, (1111)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
				HGA DEPLOYMENT (Part 2) (PL OPS, IN-BAY OPERATIONS) Step 3 only	P/TV08 HST RELEASE (OPS) (P/TV, SCENES) HGA Deploy - Item 1	HGA DEPLOYMENT (Part 2) (PL OPS, IN-BAY OPERATIONS) Step 3 only	PARALLEL HGA DEPLOYMENT (PART 2)	
03:00					HD DIGITAL VIA CC (ACTIVATION) (Cue Card, DIGITAL PLAYBACK)			UPLINK KU CH 3 - DTW
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FGS-2R FUNCTIONAL TEST	
							FGS-2R AMS FUNCTIONAL TEST	
04:00								

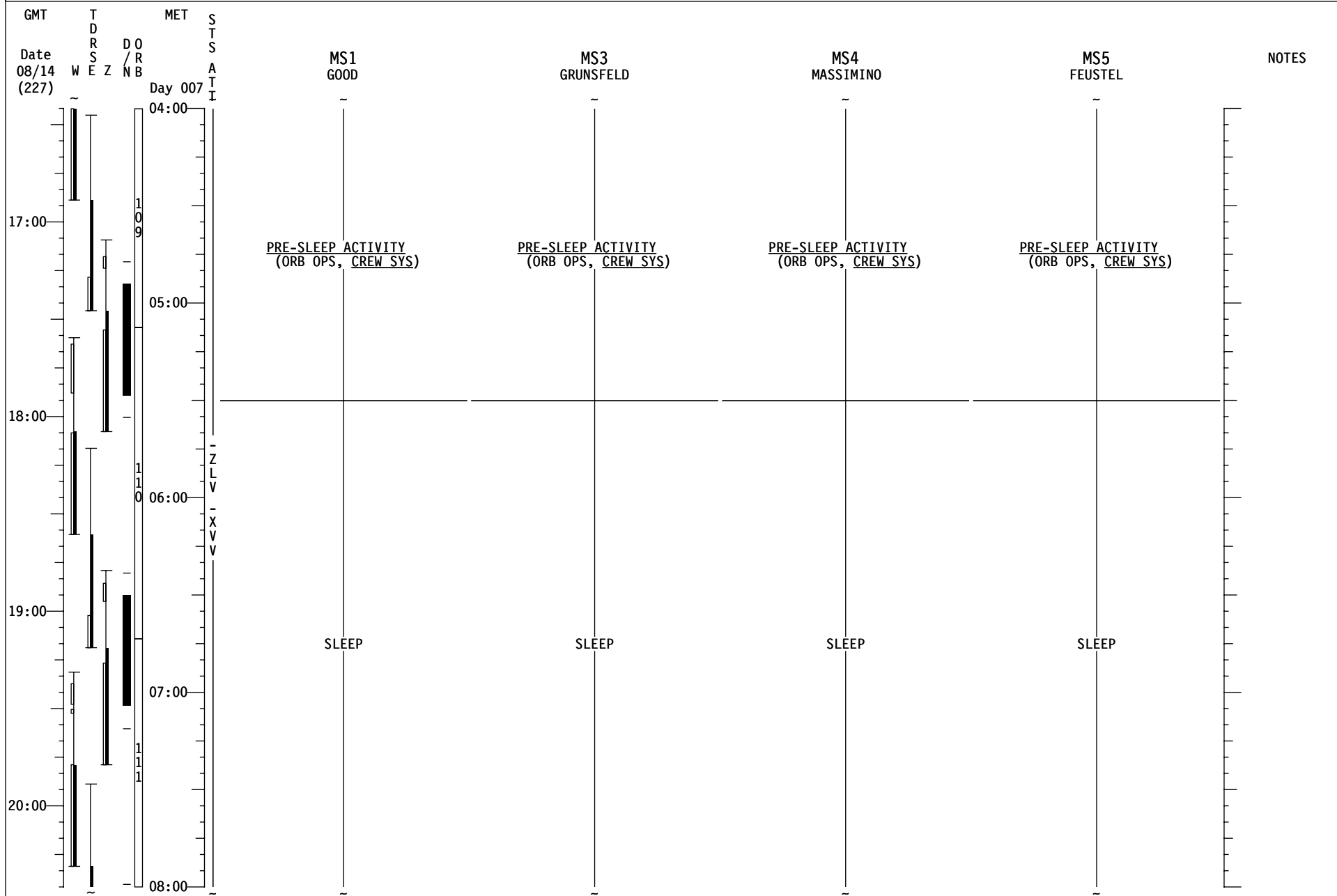
STS-125 (FD08)



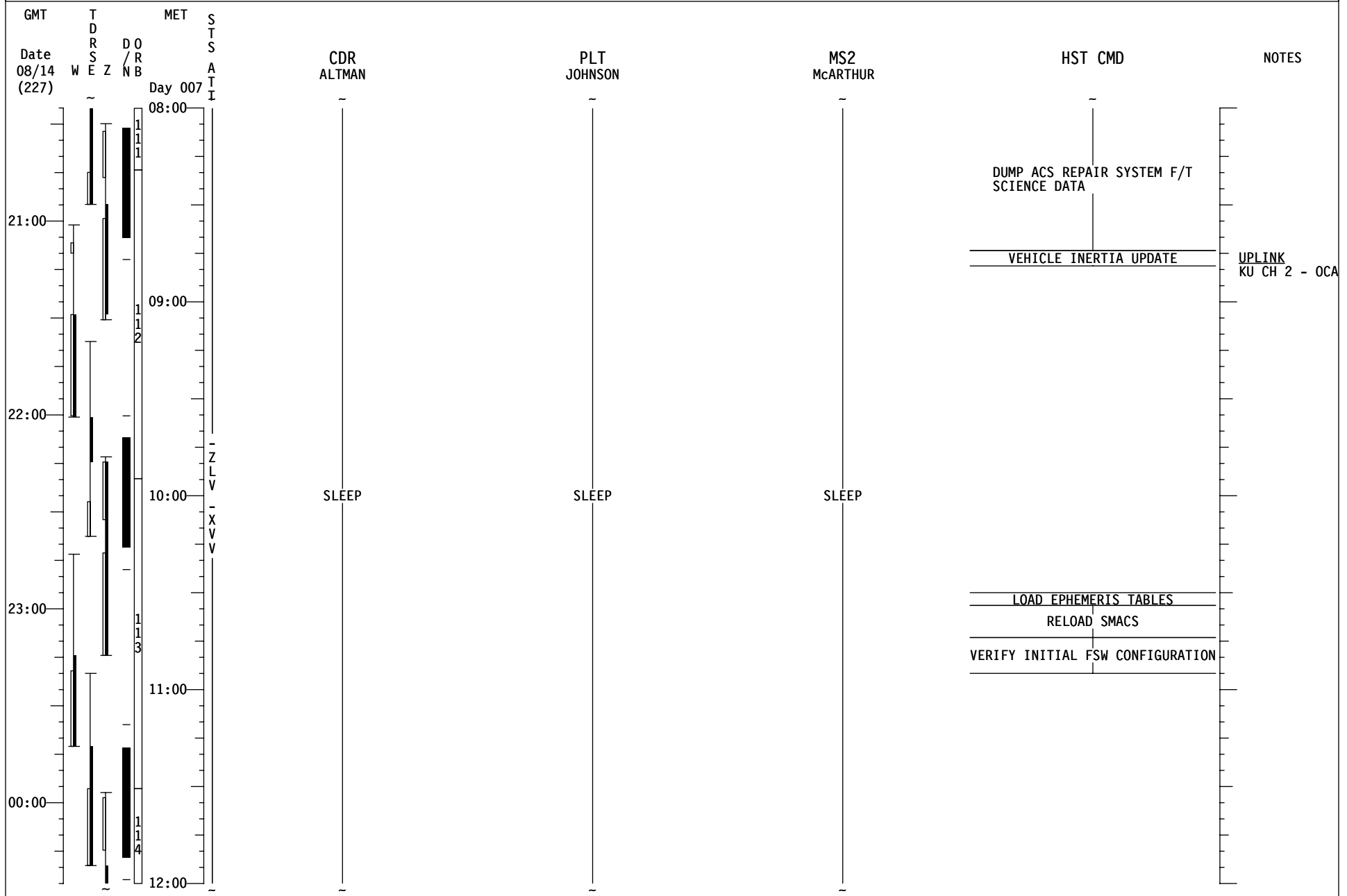
STS-125 (FD08)



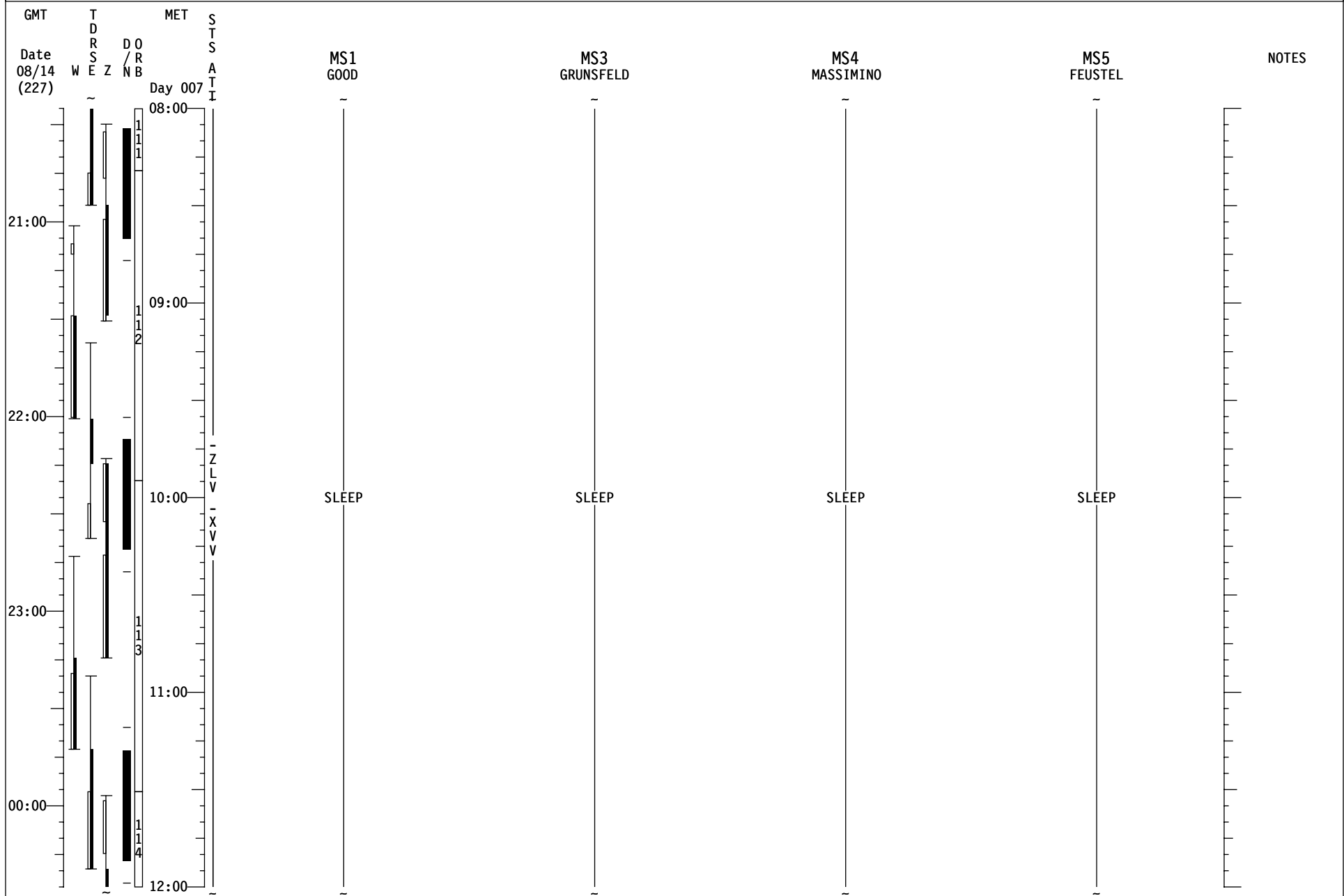
STS-125 (FD08)



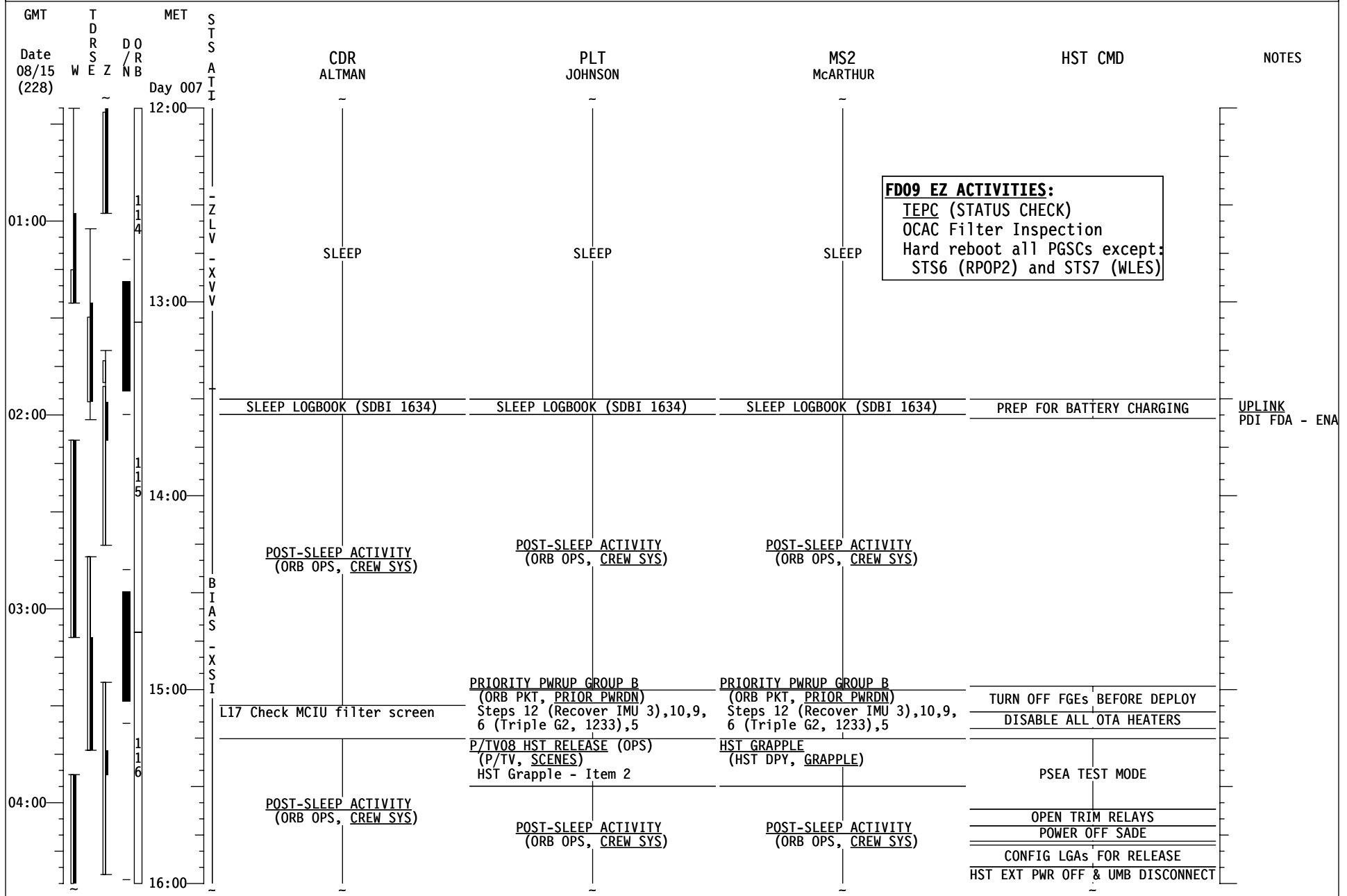
STS-125 (FD08)



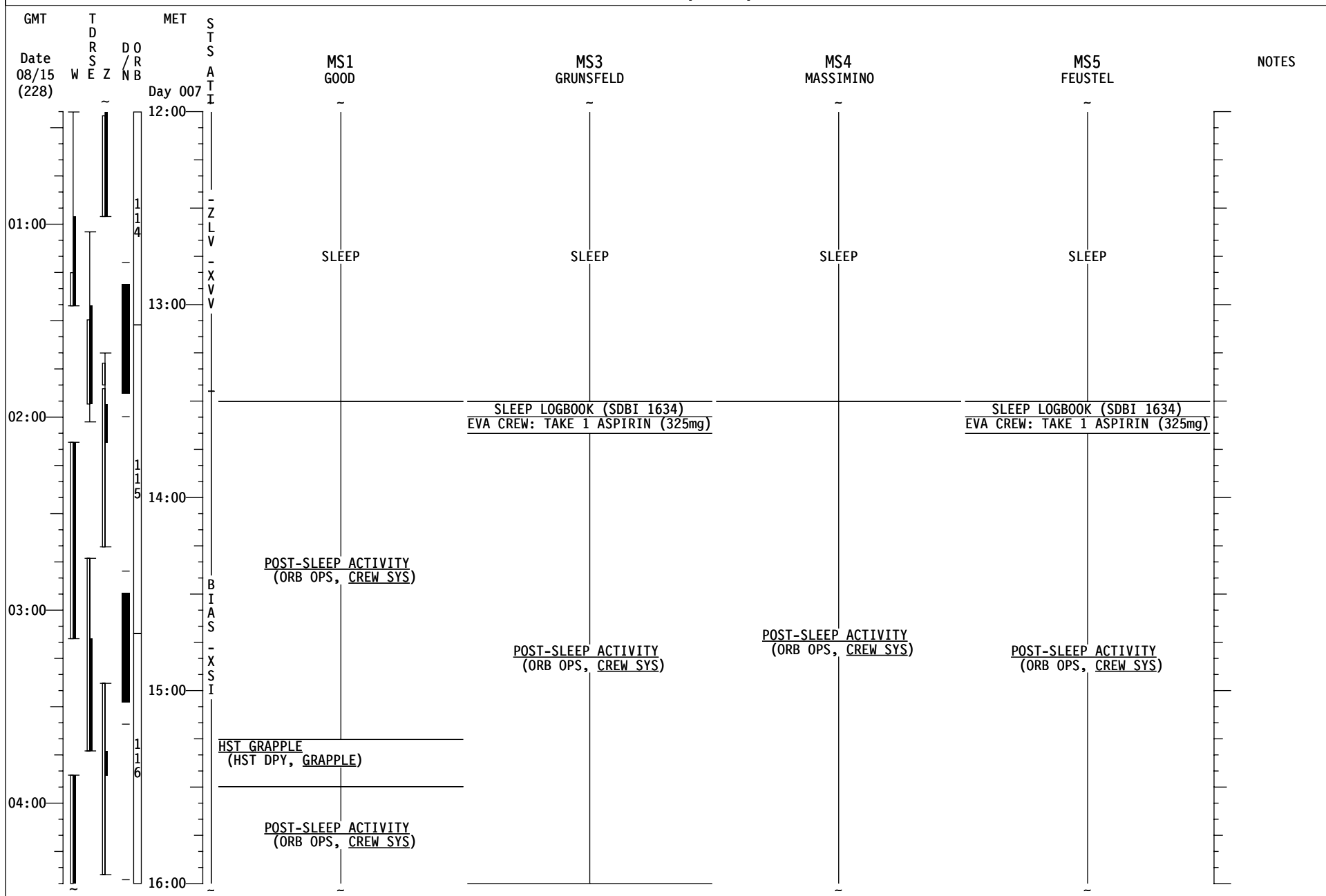
STS-125 (FD08)



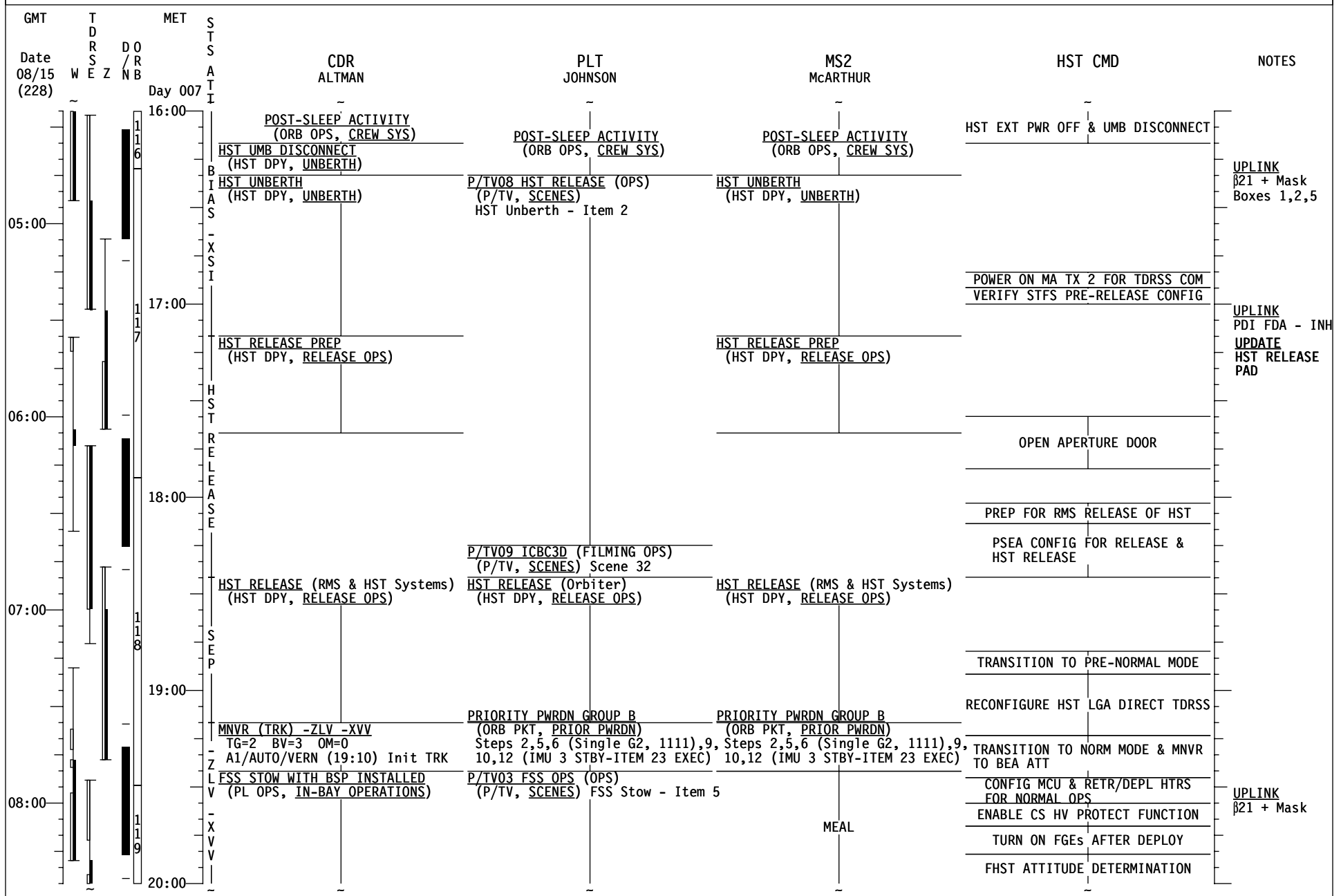
STS-125 (FD09)



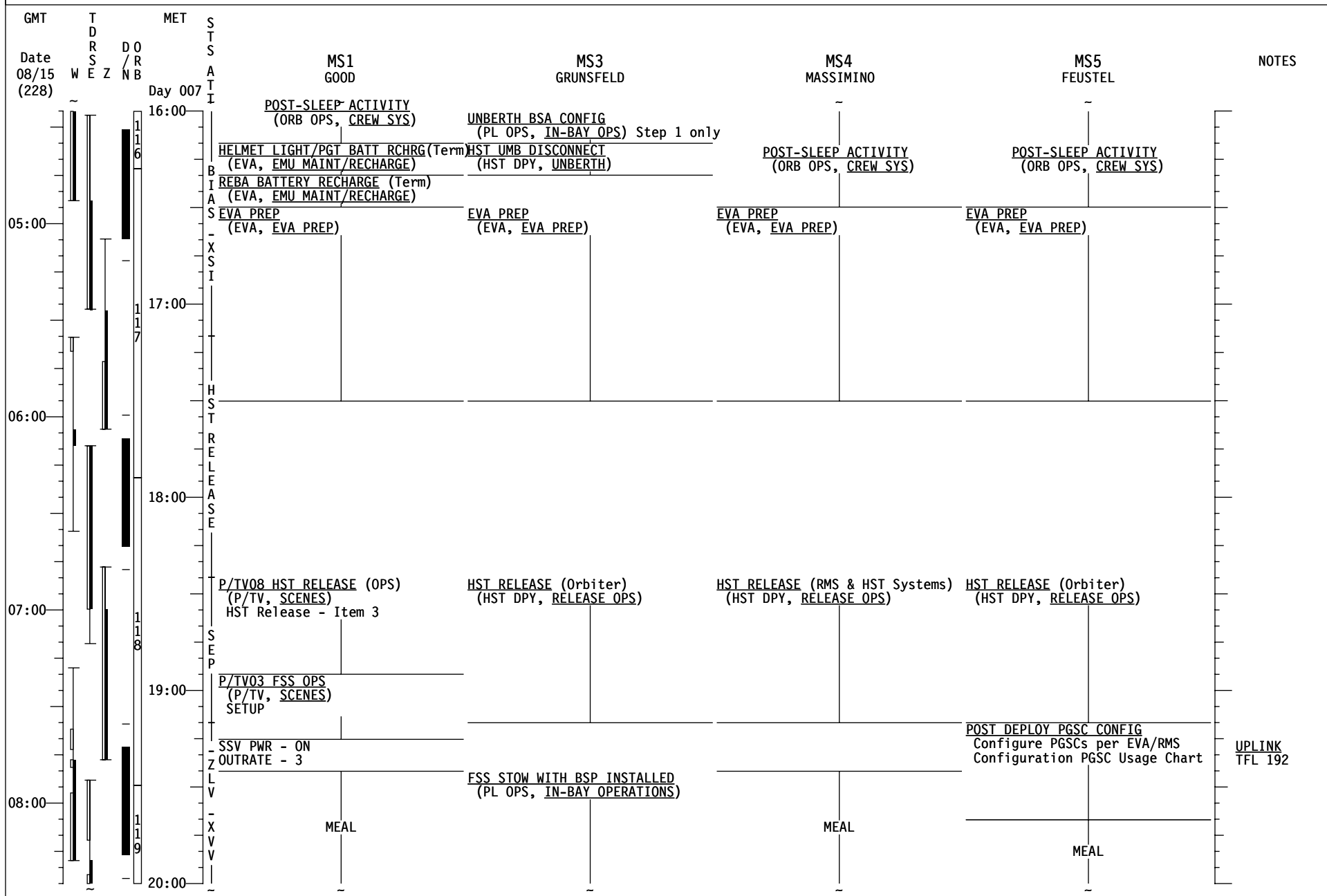
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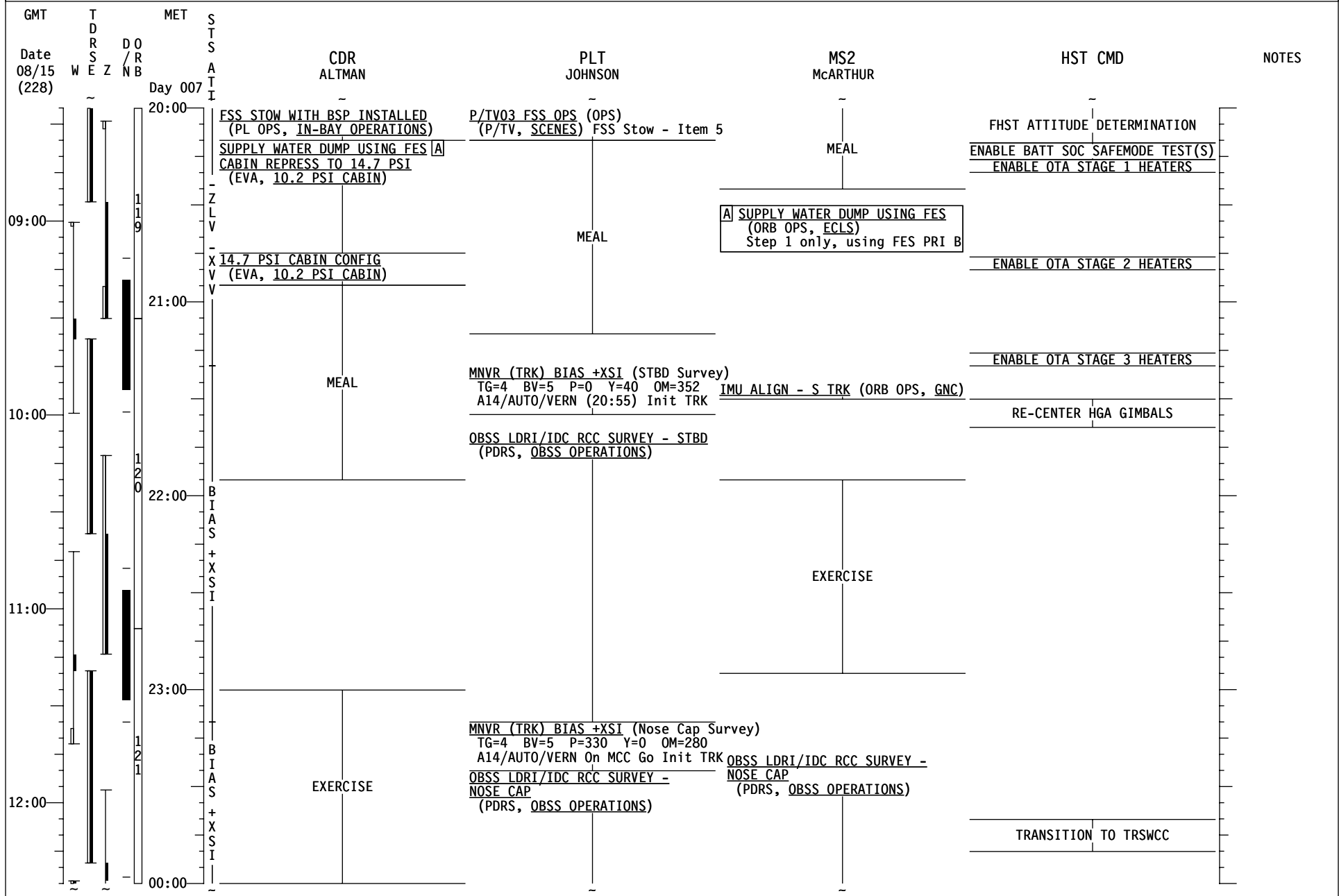
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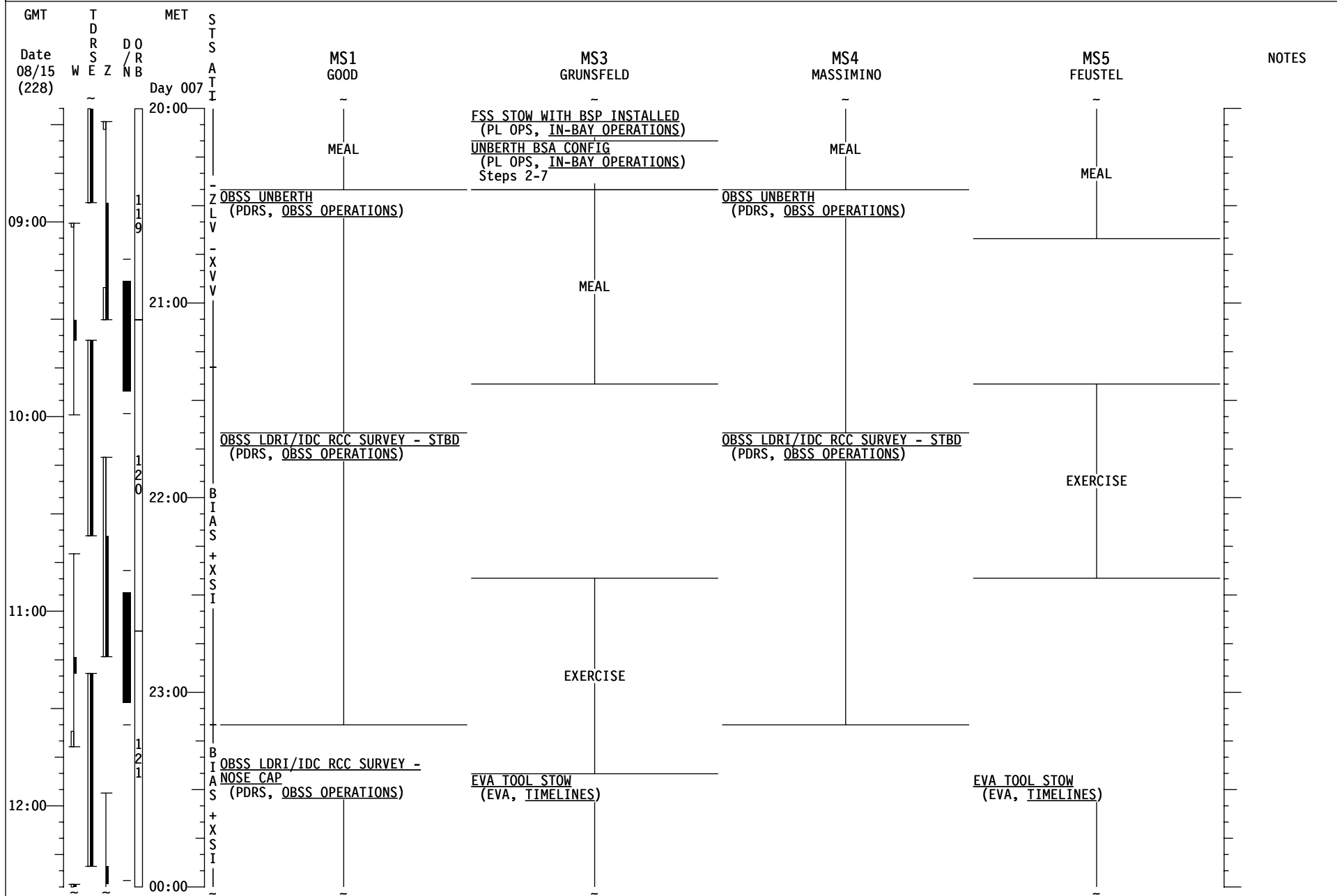
STS-125 (FD09)



STS-125 (FD09)



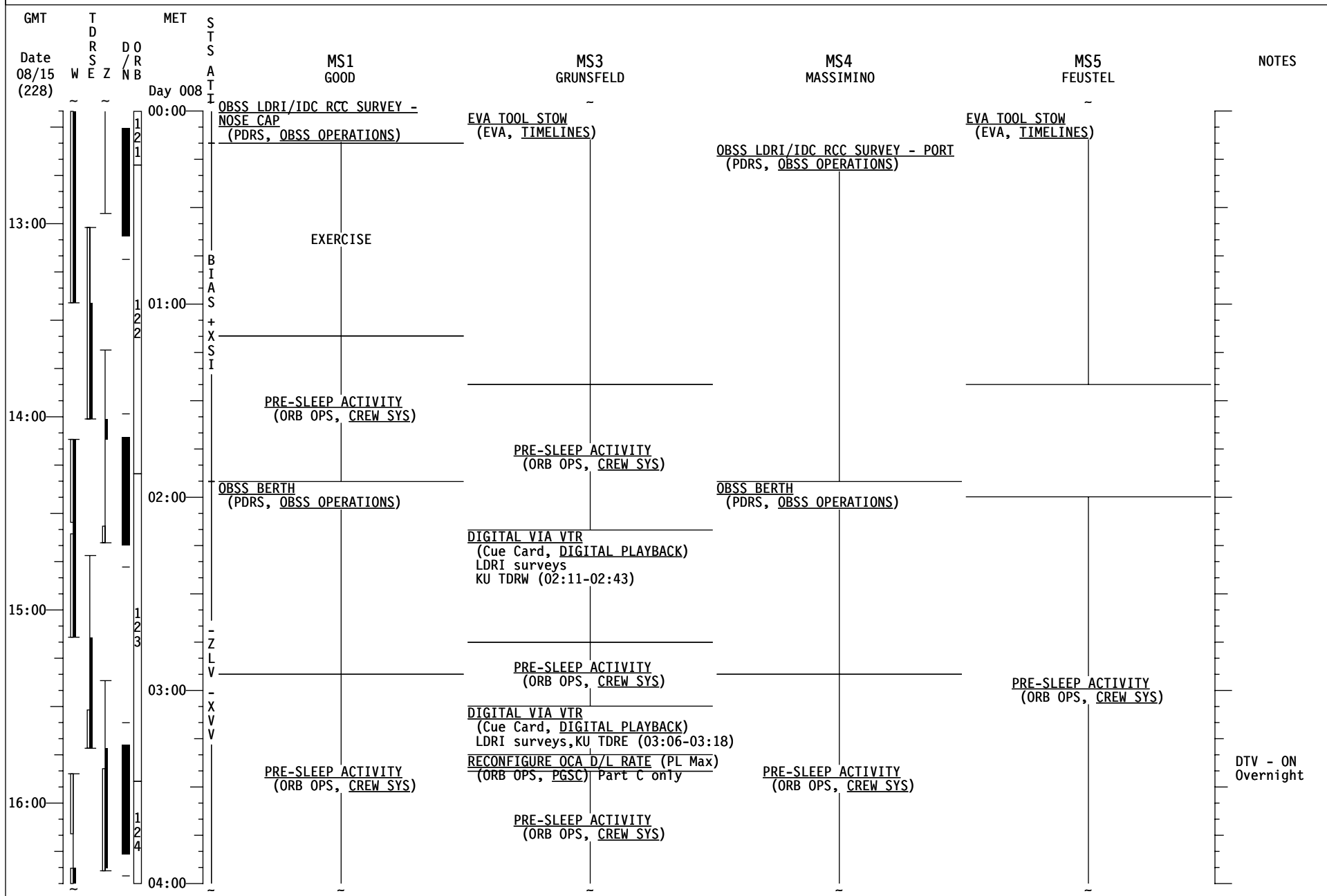
STS-125 (FD09)



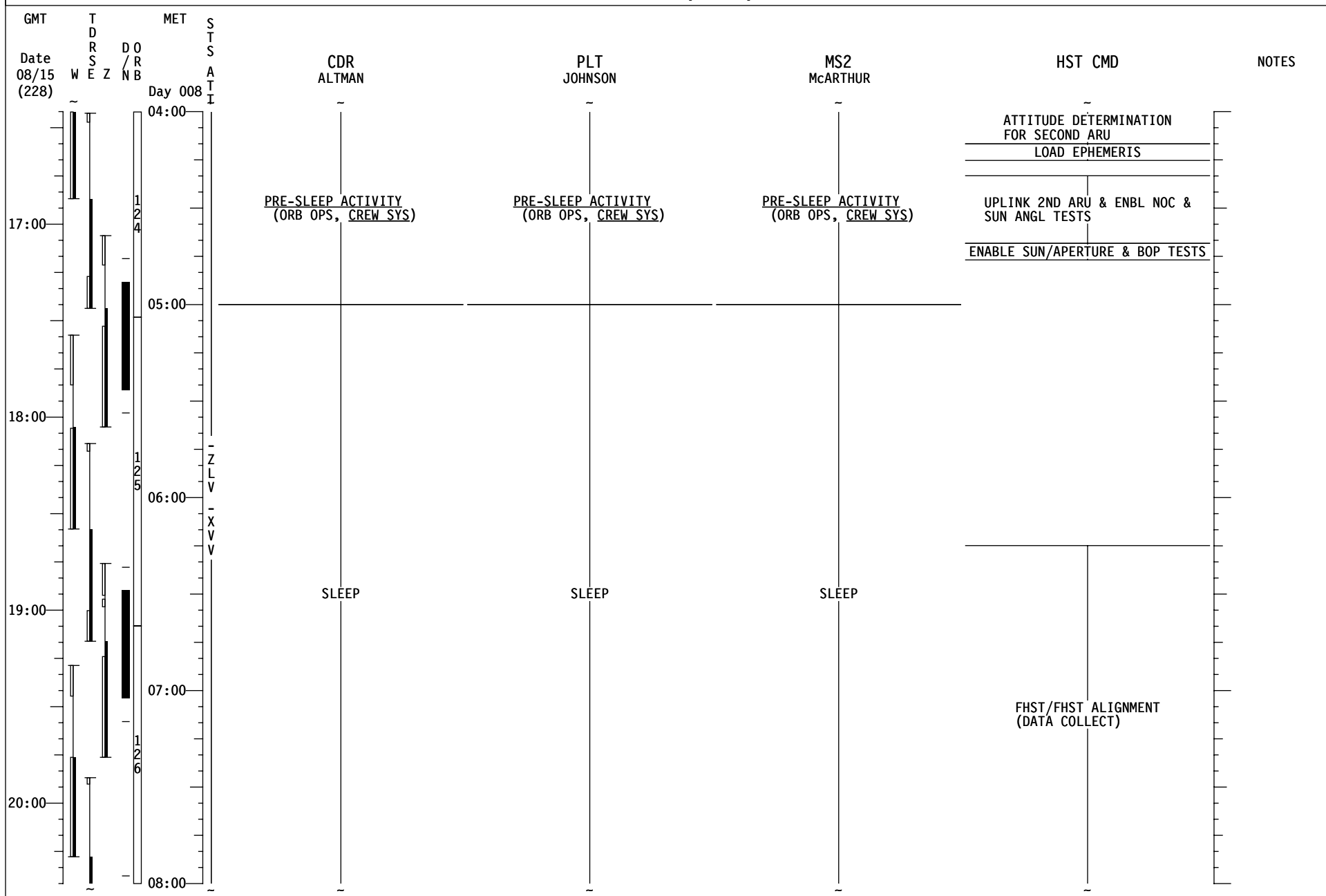
STS-125 (FD09)

GMT	TDRS W E Z	MET Day 008	STS A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	HST CMD	NOTES			
Date 08/15 (228)	121	00:00	S U P P L Y W A T E R D U M P U S I N G F E S (O R B O P S , E C L S) S t e p 2 o n l y , F E S P R I B r e q 'd (P D R S , O B S S O P E R A T I O N S)	SUPPLY WATER DUMP USING FES	OBSS LDRI/IDC RCC SURVEY - NOSE CAP	OBSS LDRI/IDC RCC SURVEY - NOSE CAP					
				13:00	121	B I A S + X S I	MNVR (INRTL) BIAS +XSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=300 A14/AUTO/VERN Init TRK		OBSS LDRI/IDC RCC SURVEY - PORT		
							OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)				
				14:00	122	01:00	E X E R C I S E		EXERCISE		
15:00	123	Z L V - X V V	MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/VERN Init TRK					ICBC3D STATUS REPORT			
			FUTURE LOADED MNVR (Simo Dump) TG=2 BV=5 P=90 Y=300 OM=270 A/AUTO/VERN (8/14:15) Init TRK					RCS REGULATOR RECONFIG (ORB OPS, RCS)		FIRST LGBU/HGBU	OCA-PMC
16:00	124	P M C u s i n g A / G f o r c o m m	NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC)						PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
			PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	ATTITUDE DETERMINATION FOR SECOND ARU	UPLINK KU CH 2 - RNS				
		04:00				PDIP 1 KU BAND RATE - HIGH					

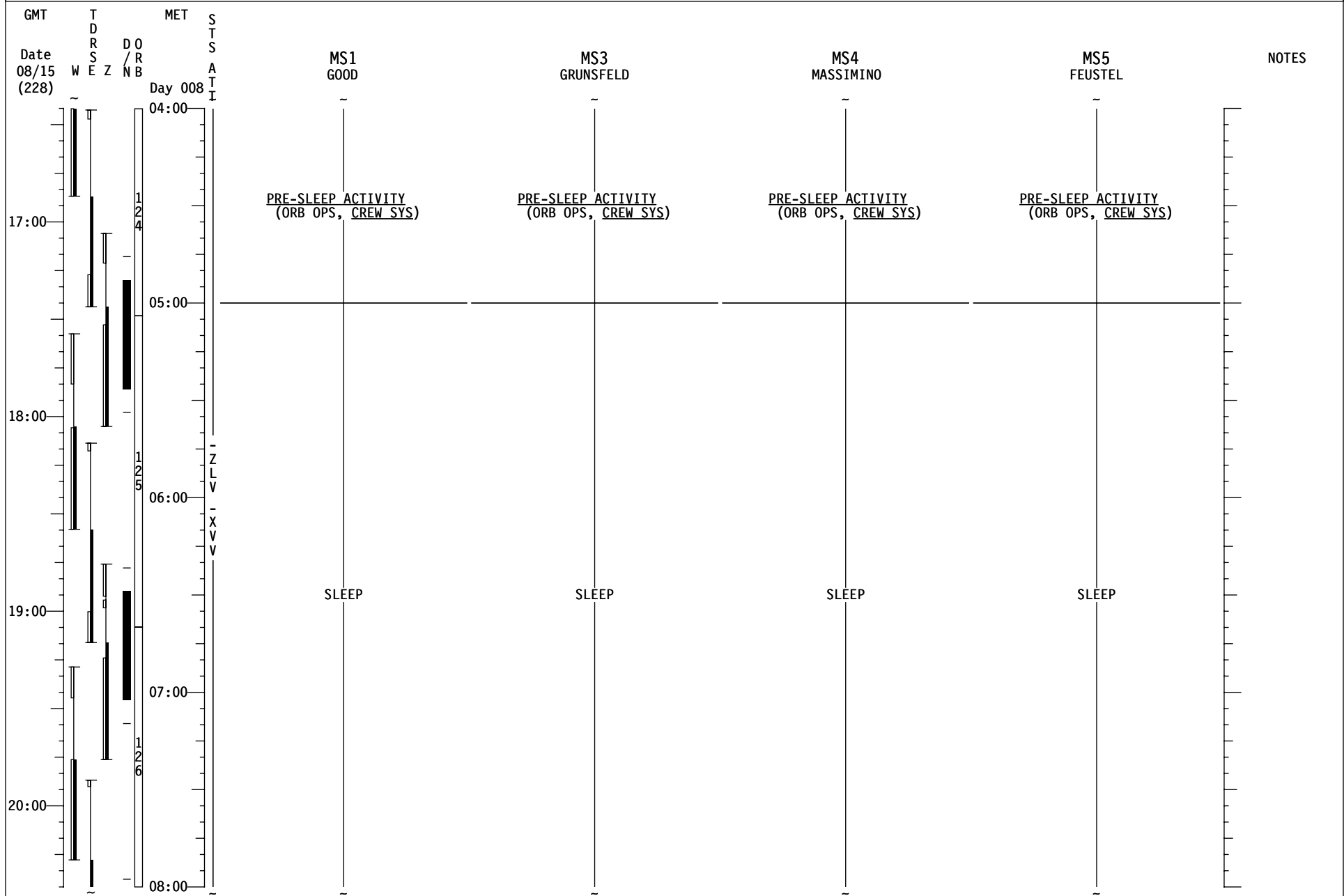
STS-125 (FD09)



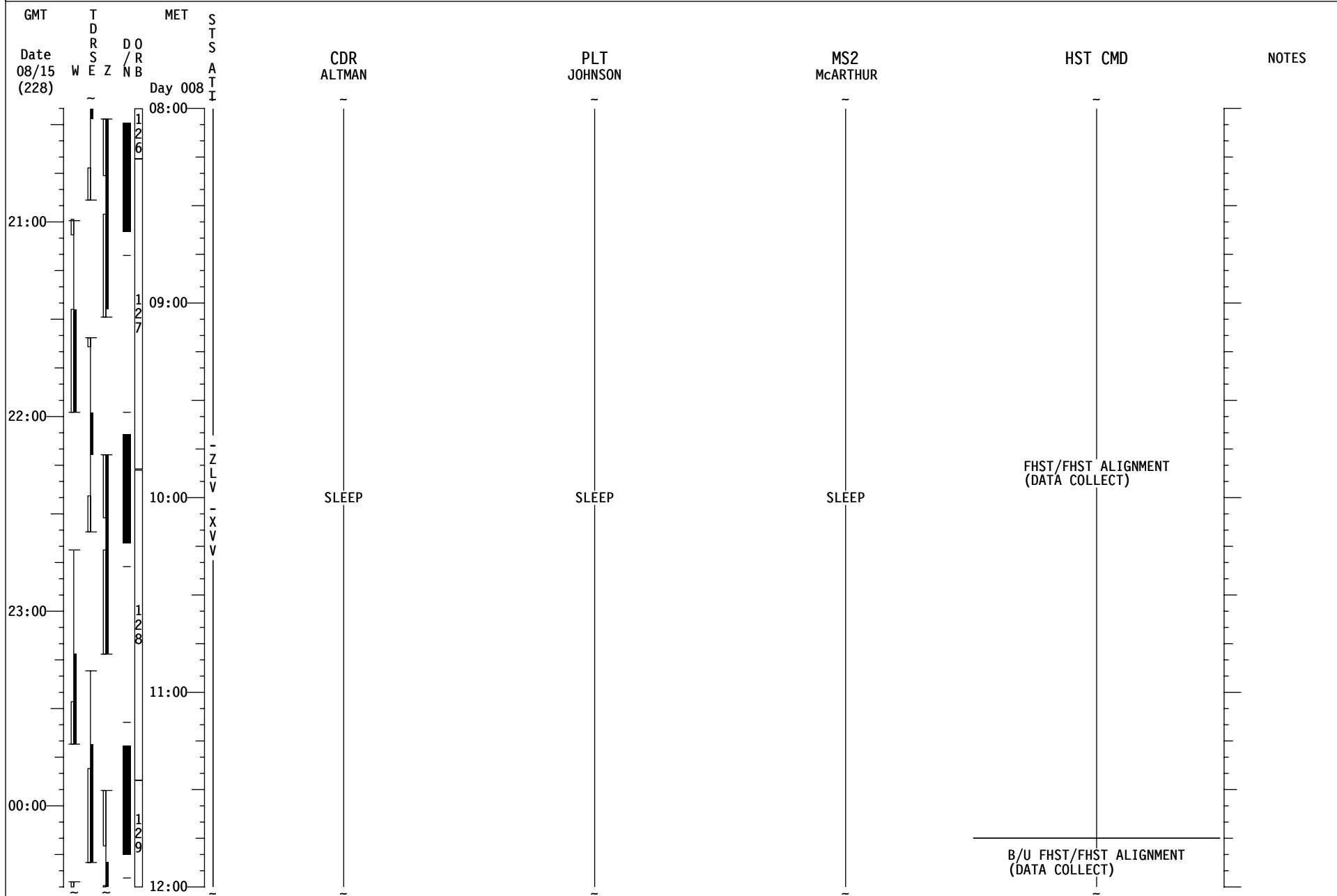
STS-125 (FD09)



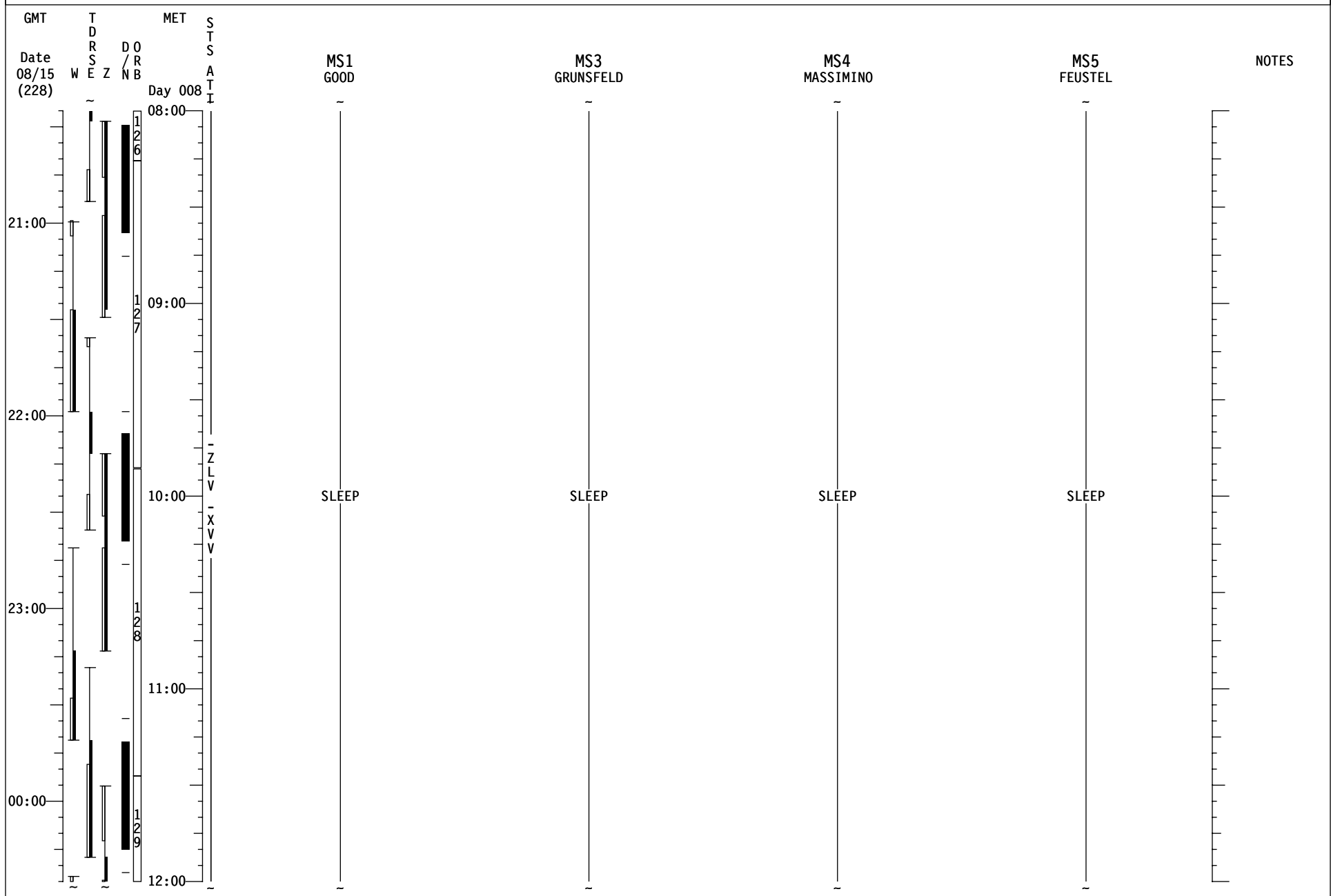
STS-125 (FD09)



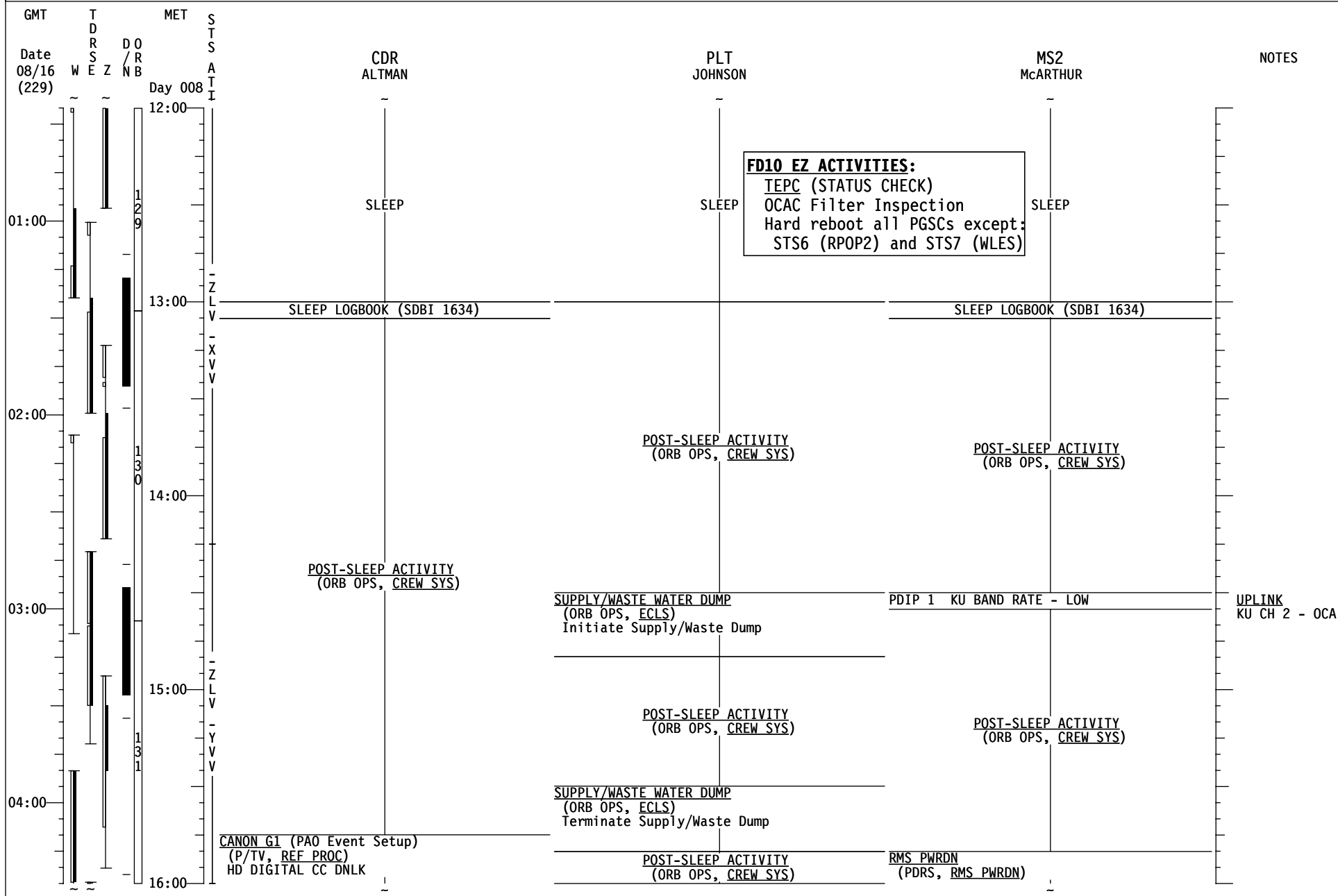
STS-125 (FD09)



STS-125 (FD09)

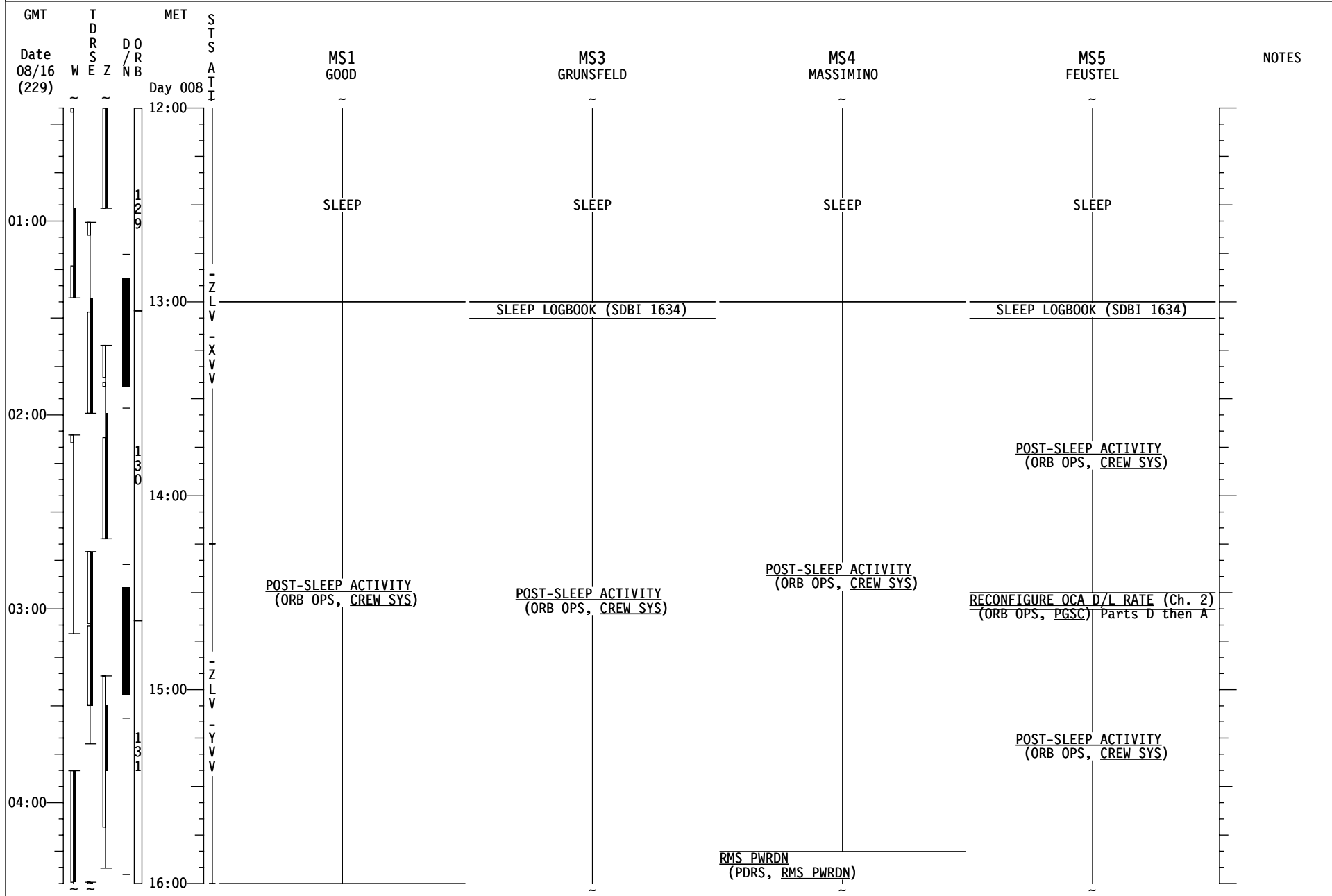


STS-125 (FD10)



FD10 EZ ACTIVITIES:
 TEPC (STATUS CHECK)
 OCAC Filter Inspection
 Hard reboot all PGSCs except:
 STS6 (RPOP2) and STS7 (WLES)

STS-125 (FD10)



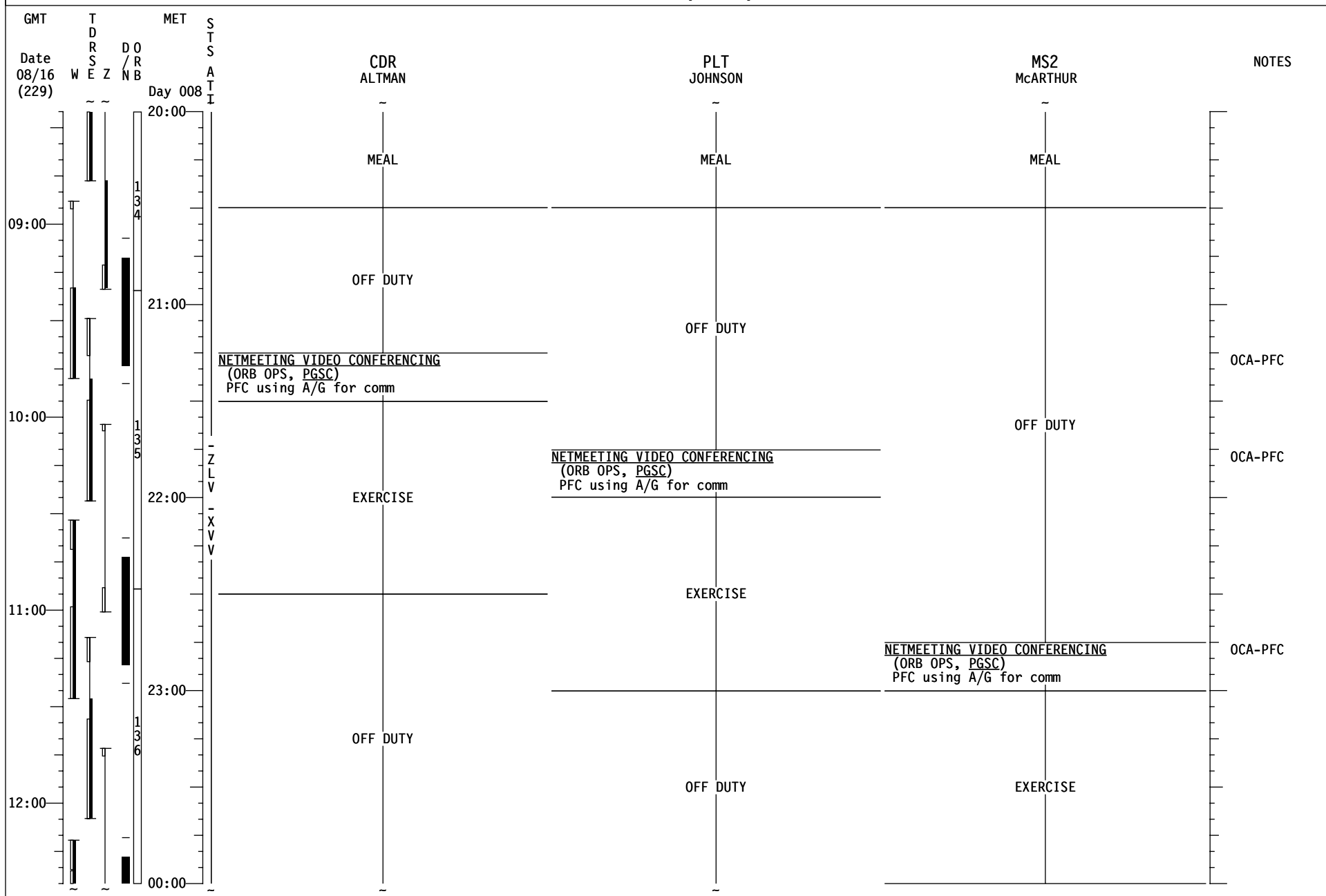
STS-125 (FD10)

GMT	T D R S E Z	MET	S T S A T T	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/16 (229)	W E Z	Day 008					
16:00			COMM	CANON G1 (PAO Event Setup) (P/TV, REF PROC) HD DIGITAL CC DNLK	MNVR (INRTL) (Crew Conference) R=186 P=63 Y=10 A1/AUTO/VERN (8/16:00) Init MNVR	RMS PWRDN (PDRS, RMS PWRDN)	UPLINK KU CH 3 - DTV
05:00				CREW CONFERENCE KU: 16:00-17:00, TDRE	CREW CONFERENCE KU: 16:00-17:00, TDRE	CREW CONFERENCE KU: 16:00-17:00, TDRE	UPLINK KU CH 3 - TV UPDATE ORBITAL MNVR PAD
17:00			OA	ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)		
06:00				< OA TIG (8/17:12:45) MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A8/AUTO/VERN Init TRK	L17 Check MCIU filter screen		
07:00			ZLV	OFF DUTY	OFF DUTY	OFF DUTY	
08:00			XVV	MEAL	MEAL	MEAL	
20:00							

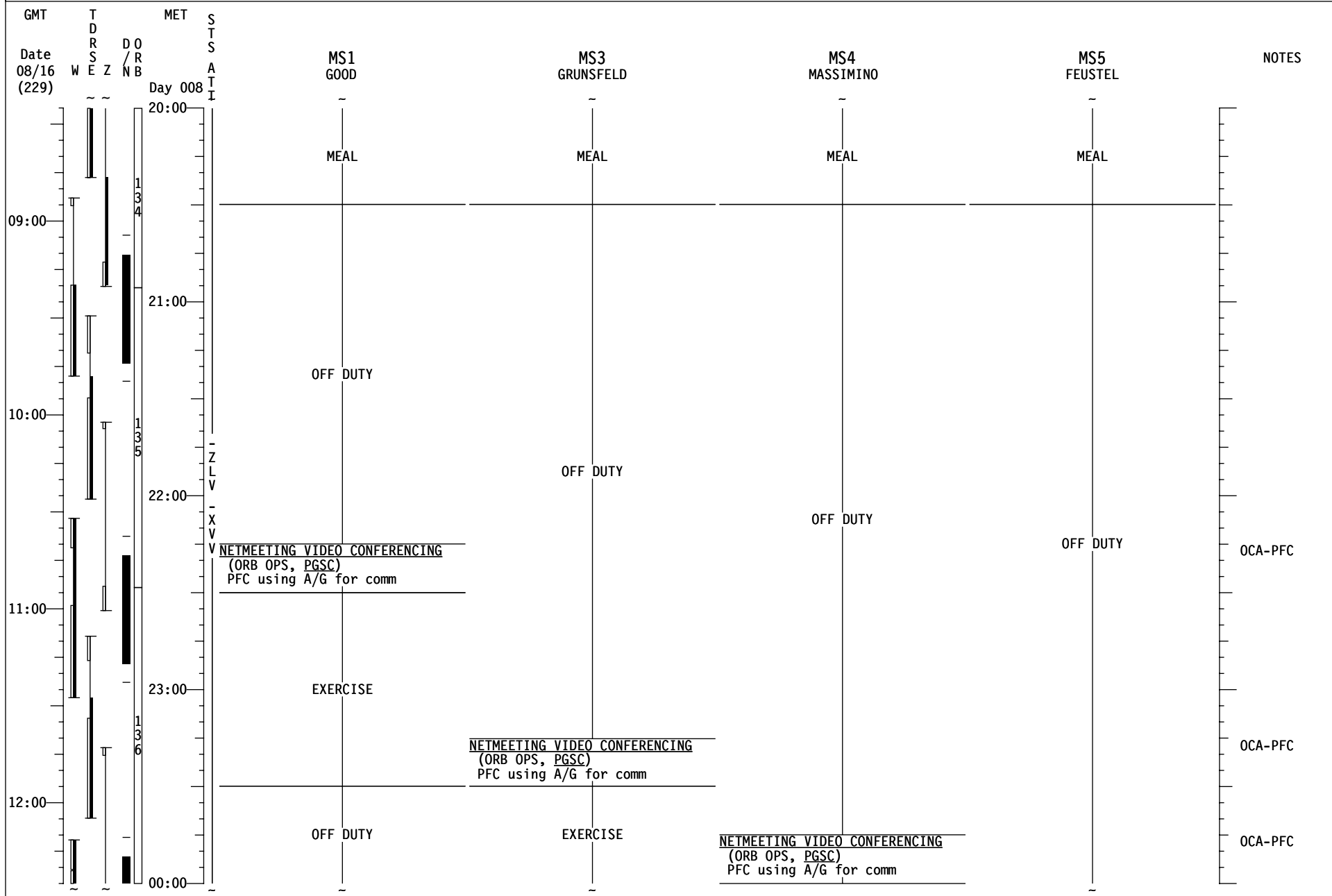
STS-125 (FD10)

GMT	TDRS W E Z	MET D O R B N B	S T S A T T	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/16 (229)		Day 008	16:00		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS PWRDN (PDRS, RMS PWRDN)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
			C O M M	CREW CONFERENCE KU: 16:00-17:00, TDRE	CREW CONFERENCE KU: 16:00-17:00, TDRE	CREW CONFERENCE KU: 16:00-17:00, TDRE	CREW CONFERENCE KU: 16:00-17:00, TDRE	
			17:00					
			O A					
			18:00					
			Z L V	OFF DUTY	OFF DUTY	OFF DUTY	OFF DUTY	
			19:00					
			X V V					
			20:00					
				MEAL	MEAL	MEAL	MEAL	

STS-125 (FD10)



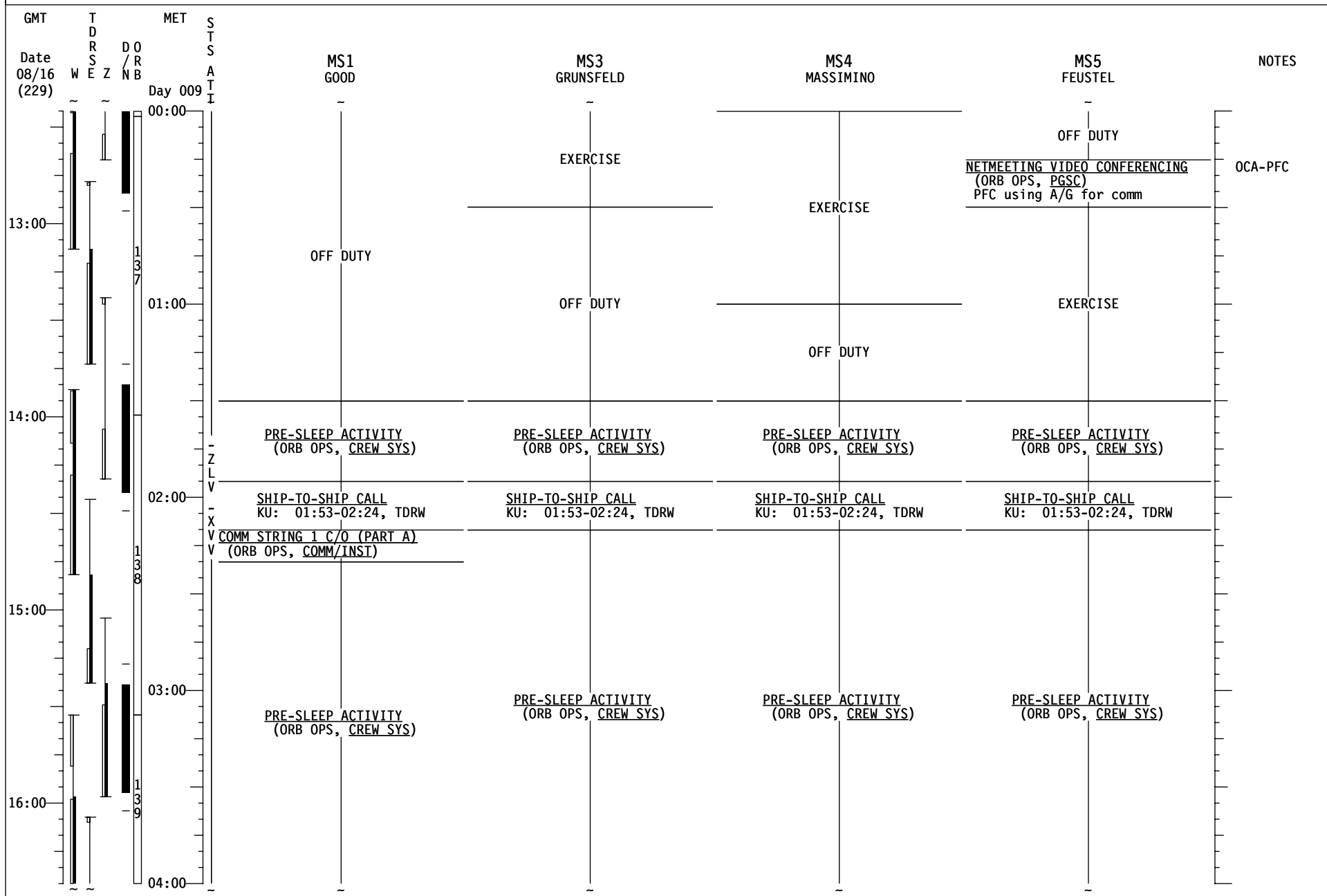
STS-125 (FD10)



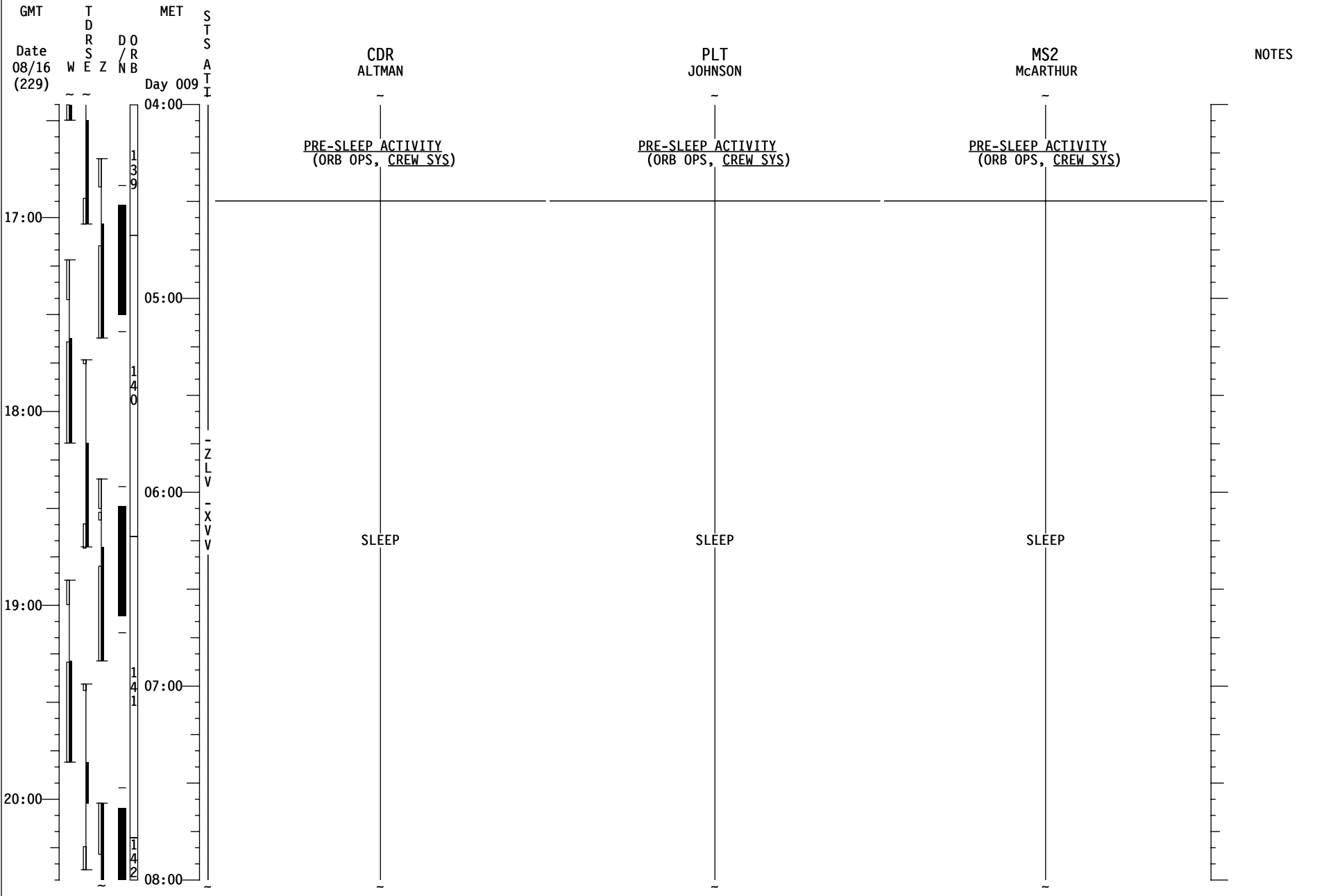
STS-125 (FD10)

GMT	TDRS W E Z	MET Day 009	S T S A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
08/16 (229)							
13:00				OFF DUTY	OFF DUTY	OFF DUTY	
14:00				CANON G1 (PAO Event Setup) (P/TV, REF PROC) HD DIGITAL CC DNK	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
15:00				SHIP-TO-SHIP CALL KU: 01:53-02:24, TDRW	SHIP-TO-SHIP CALL KU: 01:53-02:24, TDRW	SHIP-TO-SHIP CALL KU: 01:53-02:24, TDRW	UPLINK KU CH 3 - DTV
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PDIP 1 KU BAND RATE - HIGH PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPLINK KU CH 3 - TV KU CH 2 - RNS
				06 VUHF MODE - OFF PRIVATE MEDICAL CONFERENCE		PDIP 1 KU BAND RATE - LOW	UPLINK KU CH 2 - OCA DTV - OFF
16:00				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
04:00							

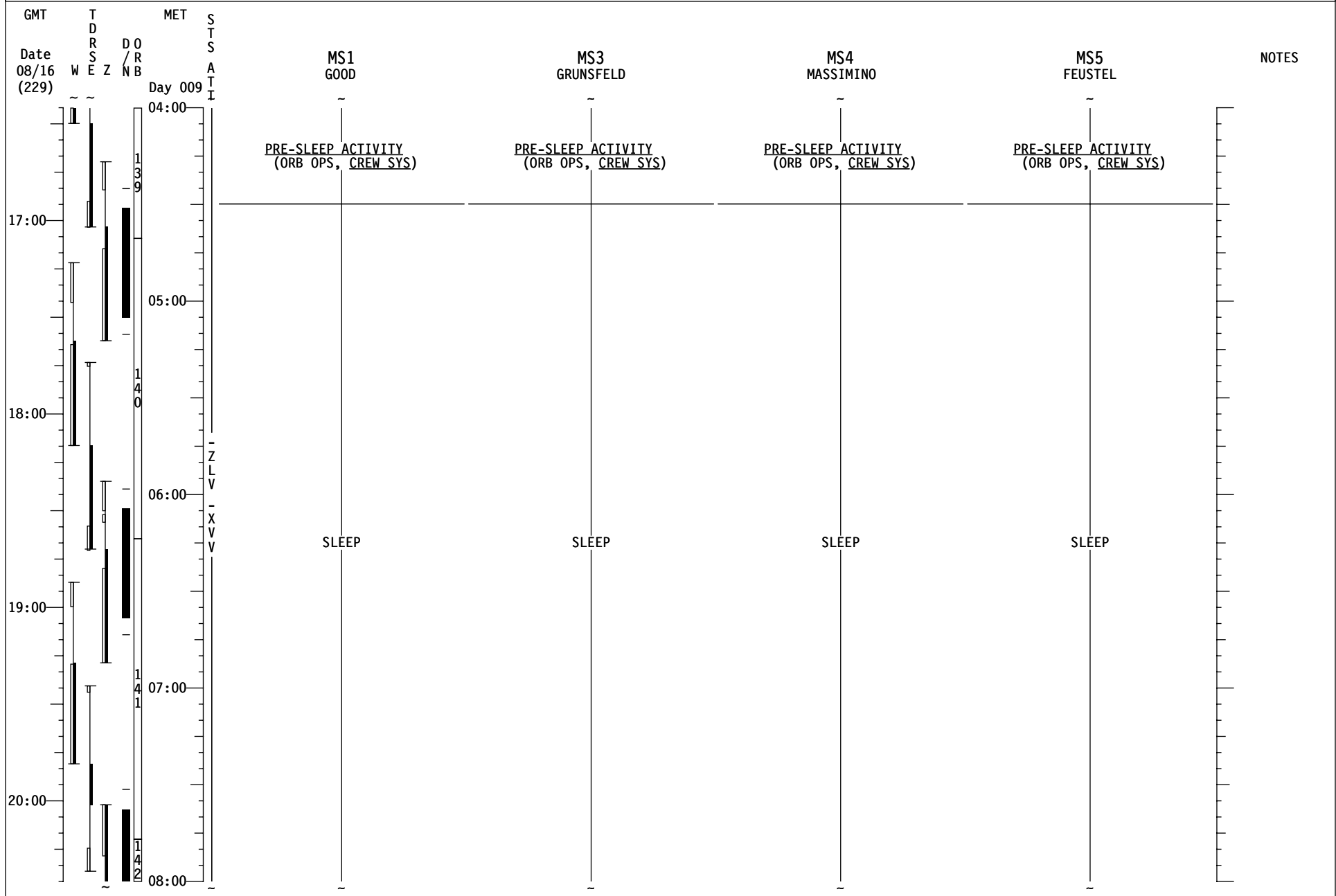
STS-125 (FD10)



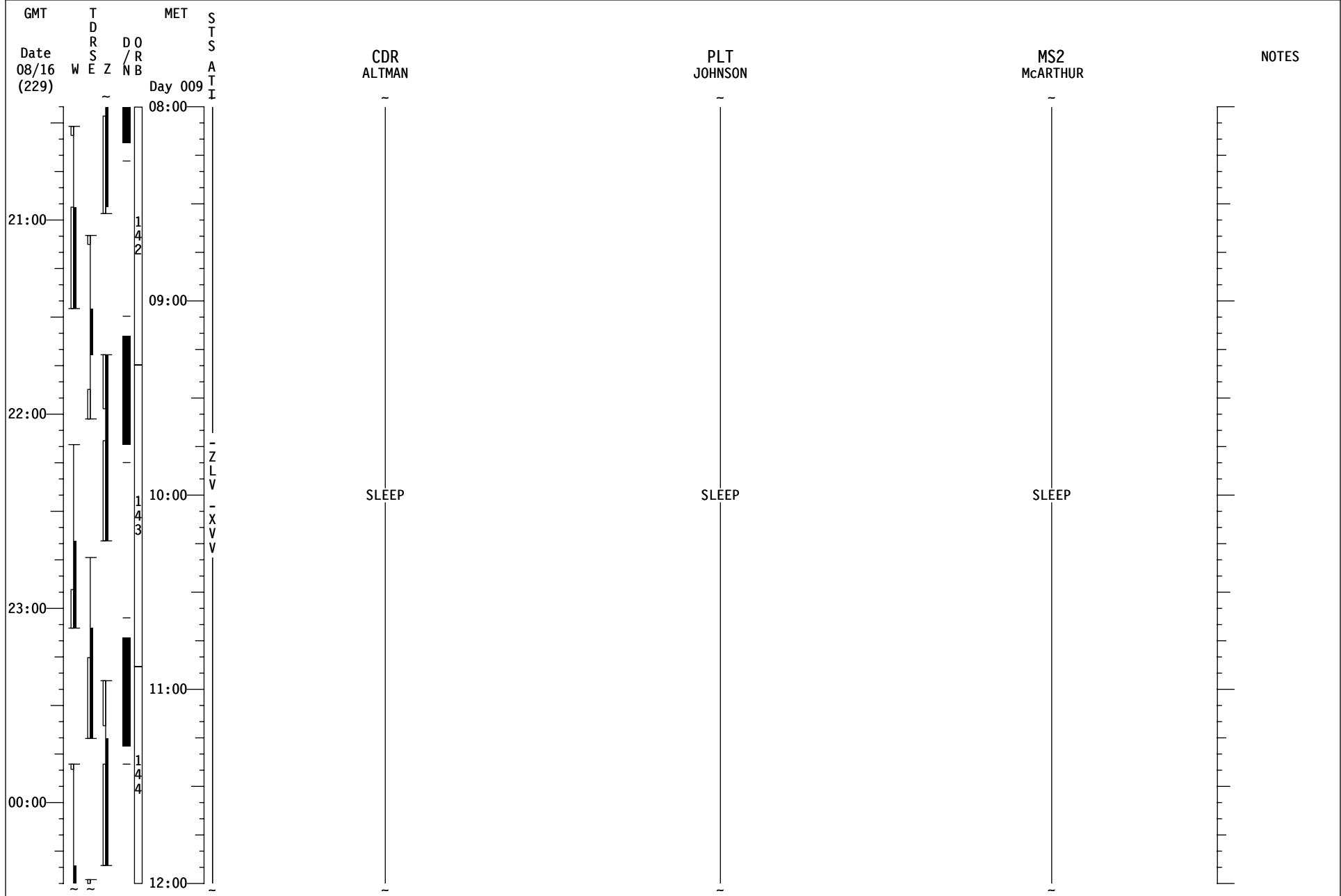
STS-125 (FD10)



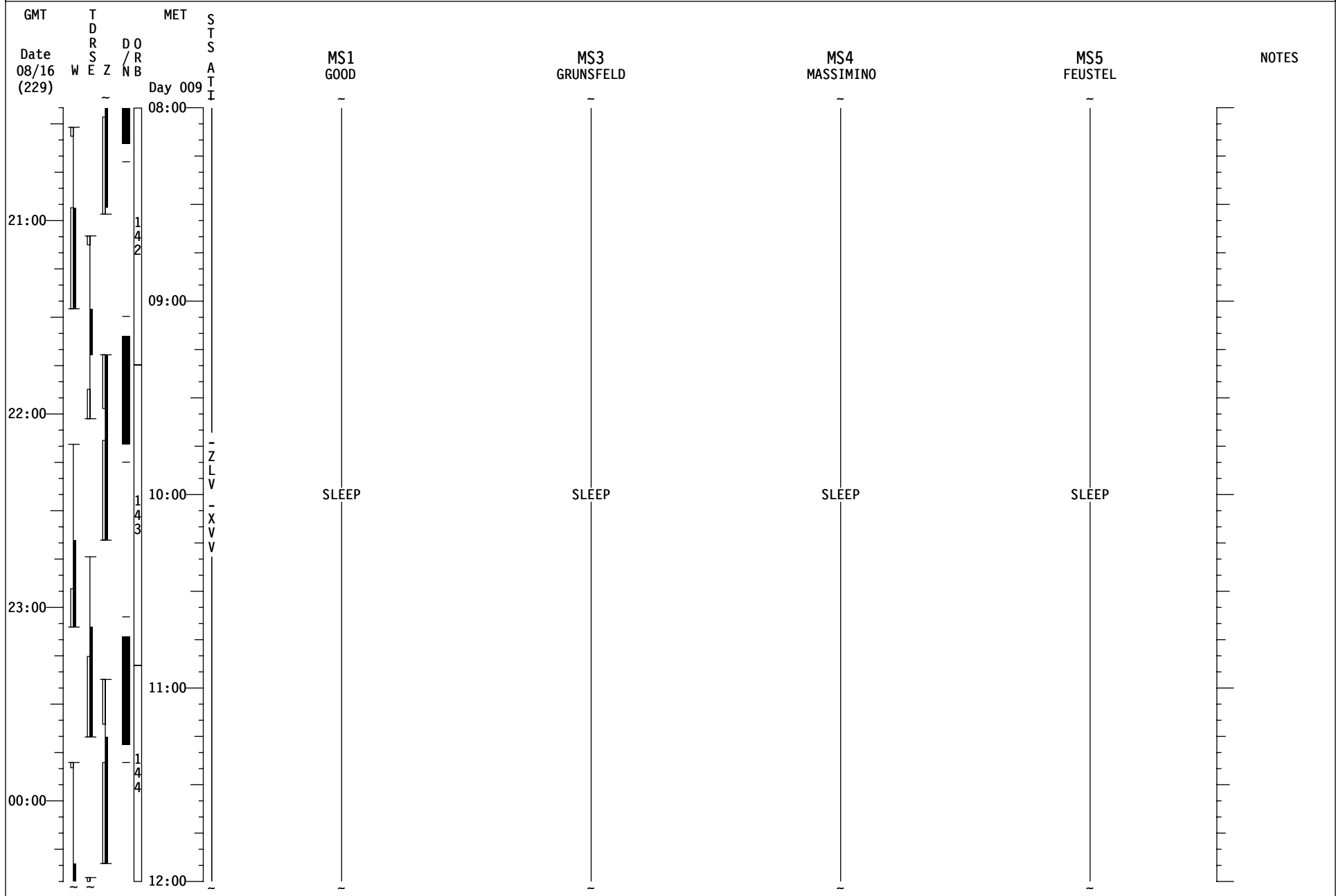
STS-125 (FD10)



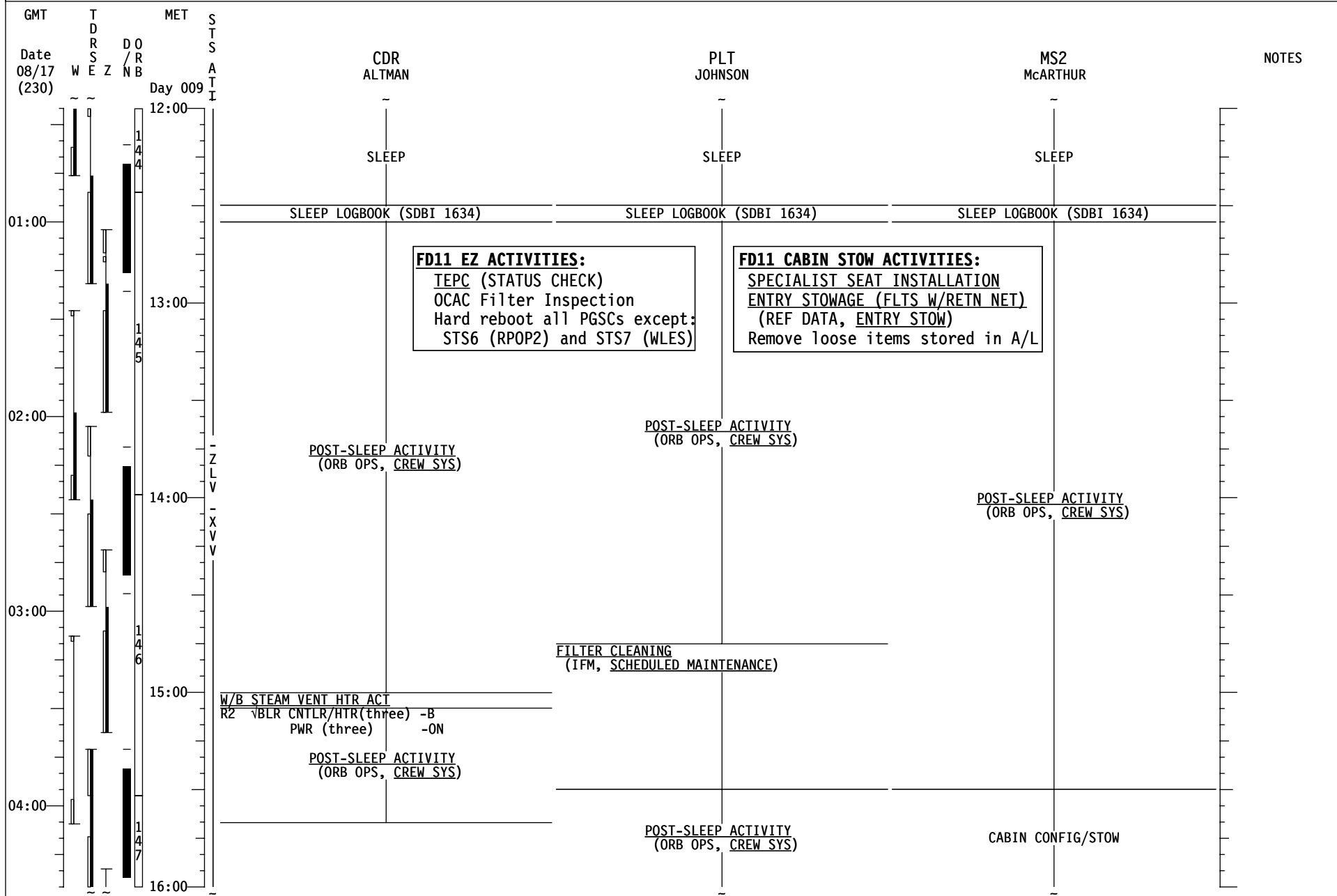
STS-125 (FD11)



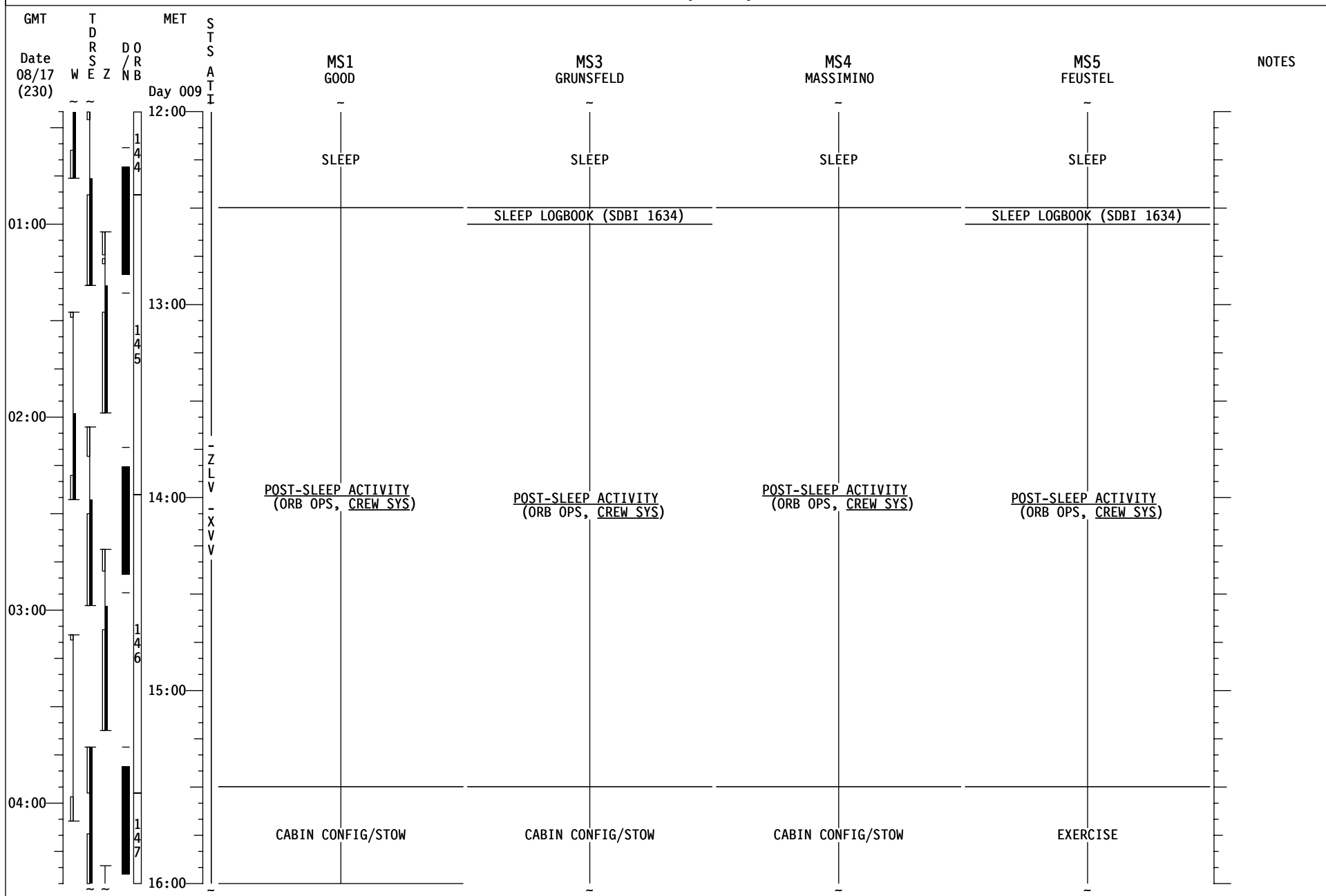
STS-125 (FD11)



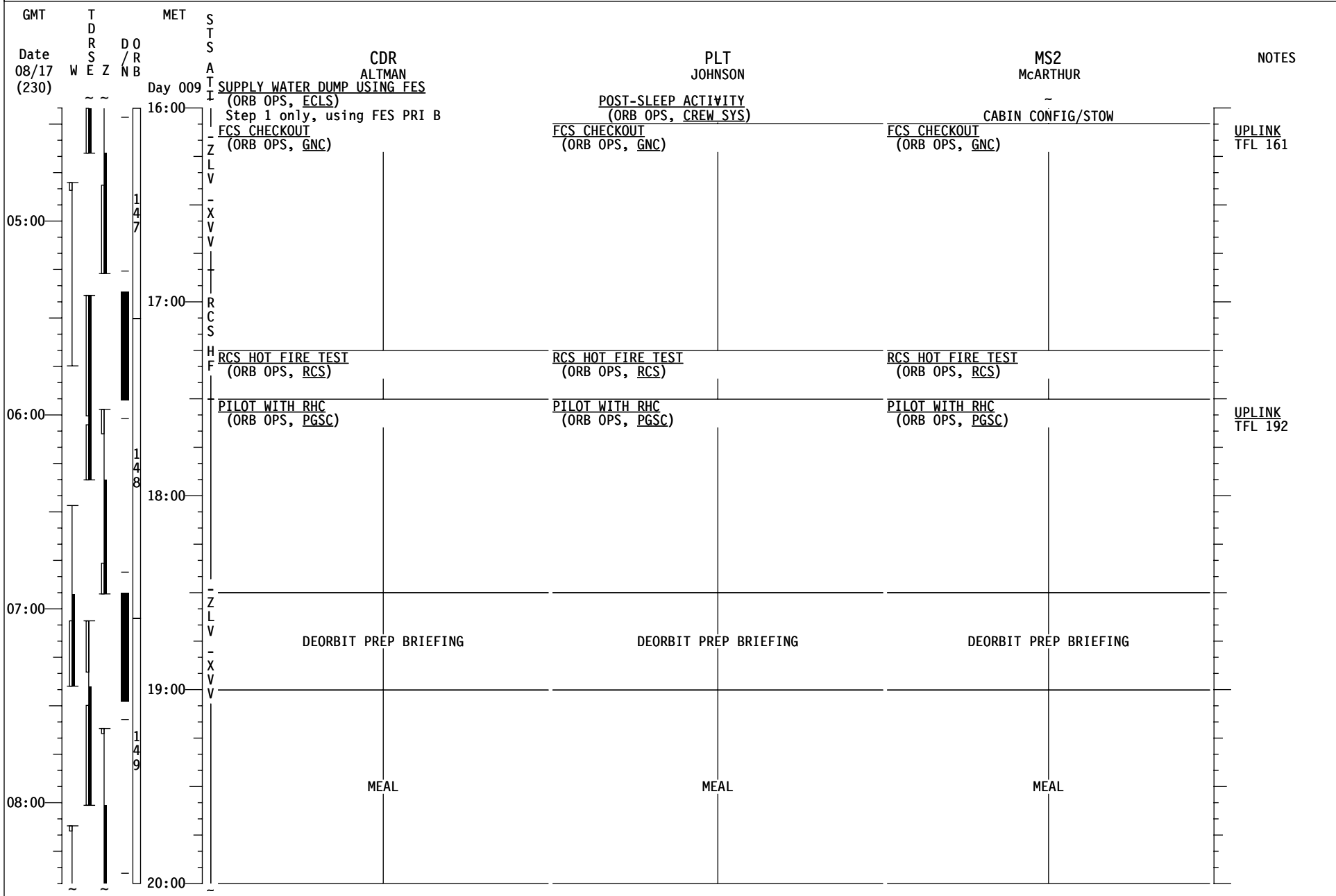
STS-125 (FD11)



STS-125 (FD11)



STS-125 (FD11)



STS-125 (FD11)

GMT	T D R S W E Z	MET D O R B N B	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/17 (230)		Day 009						
16:00			Z L V		CABIN CONFIG/STOW		EXERCISE	
05:00		147	X V V	EXERCISE				
17:00			R C S		EXERCISE			
06:00		148	H F	CABIN CONFIG/STOW		CABIN CONFIG/STOW	CABIN CONFIG/STOW	
18:00			Z L V		CABIN CONFIG/STOW			
07:00			X V V	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
19:00			X V V					
08:00		149		MEAL	MEAL	MEAL	MEAL	
20:00								

STS-125 (FD11)

GMT	TDRS W E Z	MET Day 009	STS A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/17 (230)				SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Step 2 only, FES PRI B req'd CANON G1 (PAO Event Setup) (P/TV, REF PROC) HD DIGITAL CC DNK	SEQUENTIAL STILL VIDEO (SSV) (P/TV, REF PROC) Perform SSV DEACTIVATION		
09:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
21:00				PUBLIC AFFAIRS EVENT KU: 20:45-21:15, TDRE	PUBLIC AFFAIRS EVENT KU AVAIL: 20:45-21:15	PUBLIC AFFAIRS EVENT KU AVAIL: 20:45-21:15	UPLINK KU CH 3 - DTV
10:00				CREW PHOTO	CREW PHOTO	CREW PHOTO	UPLINK KU CH 3 - TV
22:00				CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
11:00				PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	UPLINK KU CH 3 - DTV
23:00					MINI-CAM (P/TV, MINI-CAM) Entry Video Setup		UPLINK KU CH 3 - TV
12:00				CABIN CONFIG/STOW	EXERCISE	EXERCISE	
00:00							

STS-125 (FD11)

GMT	TDRS W E Z	MET Day 009	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/17 (230)	D O R B N B	Day 009	I	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
09:00				LANDING-1 COMM C/O (ORB OPS, COMM/INST)				
10:00				CABIN CONFIG/STOW	CREW PHOTO	CREW PHOTO	CREW PHOTO	
11:00				PUBLIC AFFAIRS EVENT KU: 20:45-21:15, TDRE	PUBLIC AFFAIRS EVENT KU: 20:45-21:15, TDRE	PUBLIC AFFAIRS EVENT KU: 20:45-21:15, TDRE	PUBLIC AFFAIRS EVENT KU: 20:45-21:15, TDRE	
12:00				LANDING-1 COMM C/O (ORB OPS, COMM/INST)	CABIN CONFIG/STOW	EXERCISE	CABIN CONFIG/STOW	
00:00				PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	PUBLIC AFFAIRS EVENT KU: 22:23-22:54, TDRE	
				POST EVA ENT PREP (EVA, POST EVA ENT PREP)	POST EVA ENT PREP (EVA, POST EVA ENT PREP)	POST EVA ENT PREP (EVA, POST EVA ENT PREP)	POST EVA ENT PREP (EVA, POST EVA ENT PREP)	

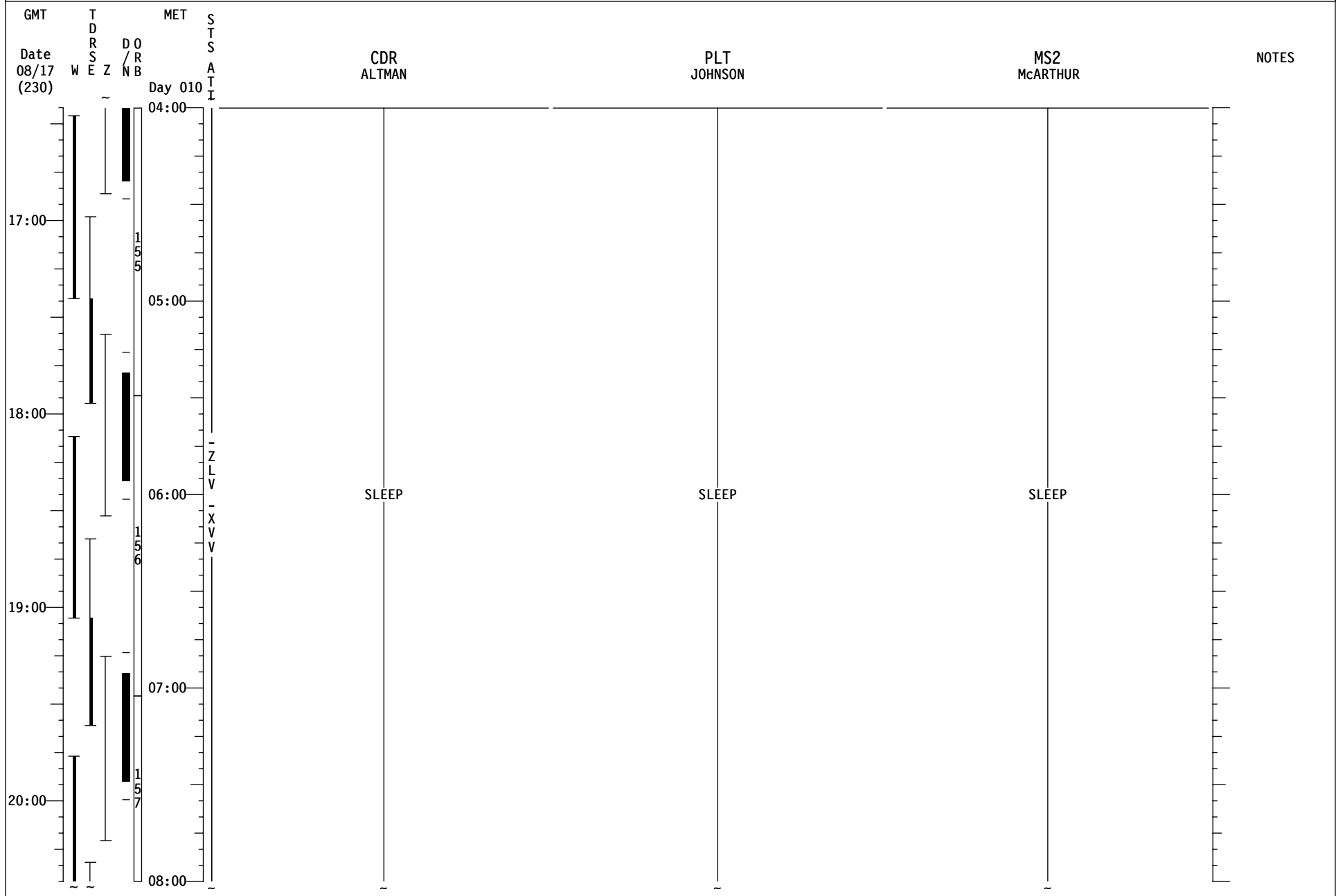
STS-125 (FD11)

GMT	TDRS W E Z	MET Day 010	STS A T I	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES	
Date 08/17 (230) 13:00 14:00 15:00 16:00 04:00	~ ~ ~ ~ ~ ~ ~ ~ ~	00:00 01:00 02:00 03:00 04:00	~ ~ ~ ~ ~ ~ ~ ~ ~	EXERCISE	EXERCISE		UPLINK KU CH 2 - RNS	
				EXERCISE	CABIN CONFIG/STOW	CABIN CONFIG/STOW		UPLINK KU CH 2 - OCA DTV - OFF
				CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform RECONFIG/STOW	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform RECONFIG/STOW			
				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	ICBC3D STATUS REPORT			
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)				
				06 VUHF MODE - OFF PRIVATE MEDICAL CONFERENCE		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)				
							FD11 ENTRY COOLING CONFIG PRIOR TO PRESLEEP: R12 VPU PWR - OFF (LED off) Minimize use of P/TV equipment Dim cabin lighting to 25%	

STS-125 (FD11)

GMT	T D R S W E Z	MET D O R B N B	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/17 (230)		Day 010						
00:00				PDIP 1 KU BAND RATE - HIGH				
13:00				PDIP 1 KU BAND RATE - LOW <u>DEACTIVATION AND TEARDOWN</u> (ORB OPS, <u>WLE SENSORS</u>)	CABIN CONFIG/STOW	CABIN CONFIG/STOW	CABIN CONFIG/STOW	
01:00				<u>KU-BD ANT STOW</u> (ORB OPS, <u>COMM/INST</u>) Deact CCTV C3 MASTER MADS POWER - ON A6L MADS STRAIN GAGE - ON			<u>PGSC DEACT</u> (ORB OPS, <u>PGSC</u>) Stow all STS PGSCs except STS4 (WorldMap)	
14:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)				
02:00				<u>COMM STRING 1 C/O (PART B)</u> (ORB OPS, <u>COMM/INST</u>)				
15:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)	
16:00				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, <u>CREW SYS</u>)				
04:00								

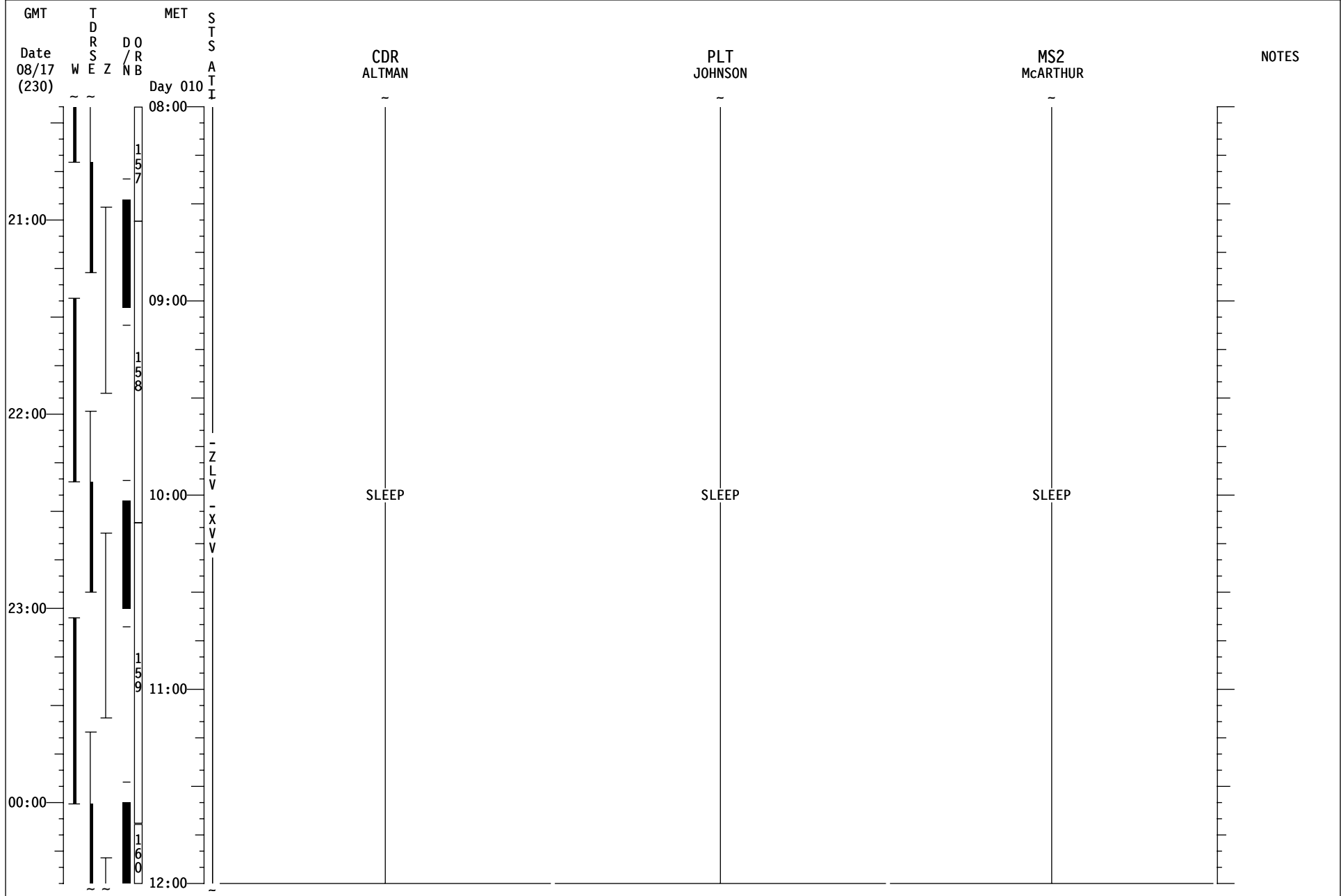
STS-125 (FD11)



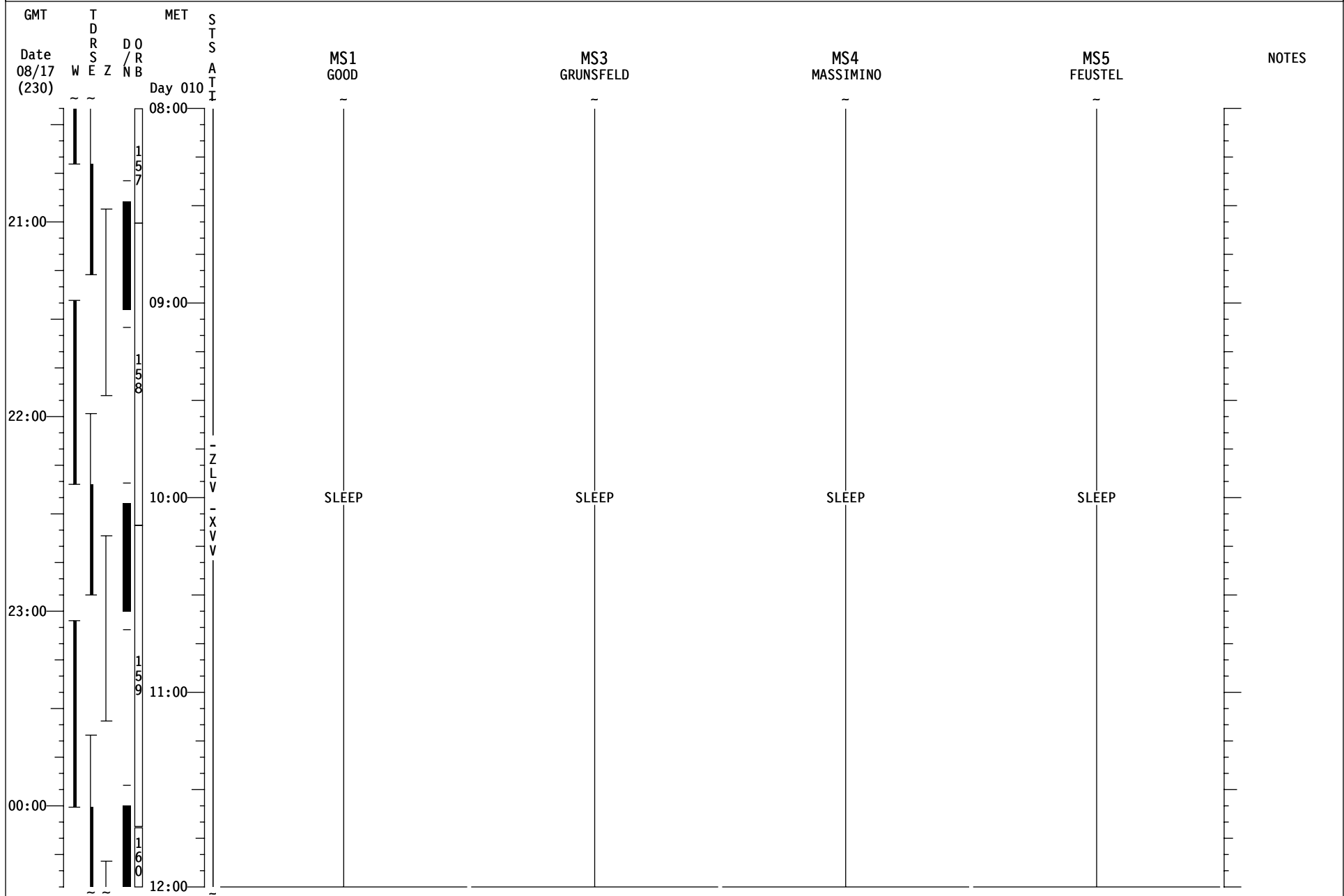
STS-125 (FD11)

GMT	T D R S E Z	MET D O R N B	S T S A T I	MS1 GOOD	MS3 GRUNSFELD	MS4 MASSIMINO	MS5 FEUSTEL	NOTES
Date 08/17 (230)	W	Day 010						
17:00								
18:00								
19:00								
20:00								
04:00								
05:00								
06:00				SLEEP	SLEEP	SLEEP	SLEEP	
07:00								
08:00								

STS-125 (FD11)



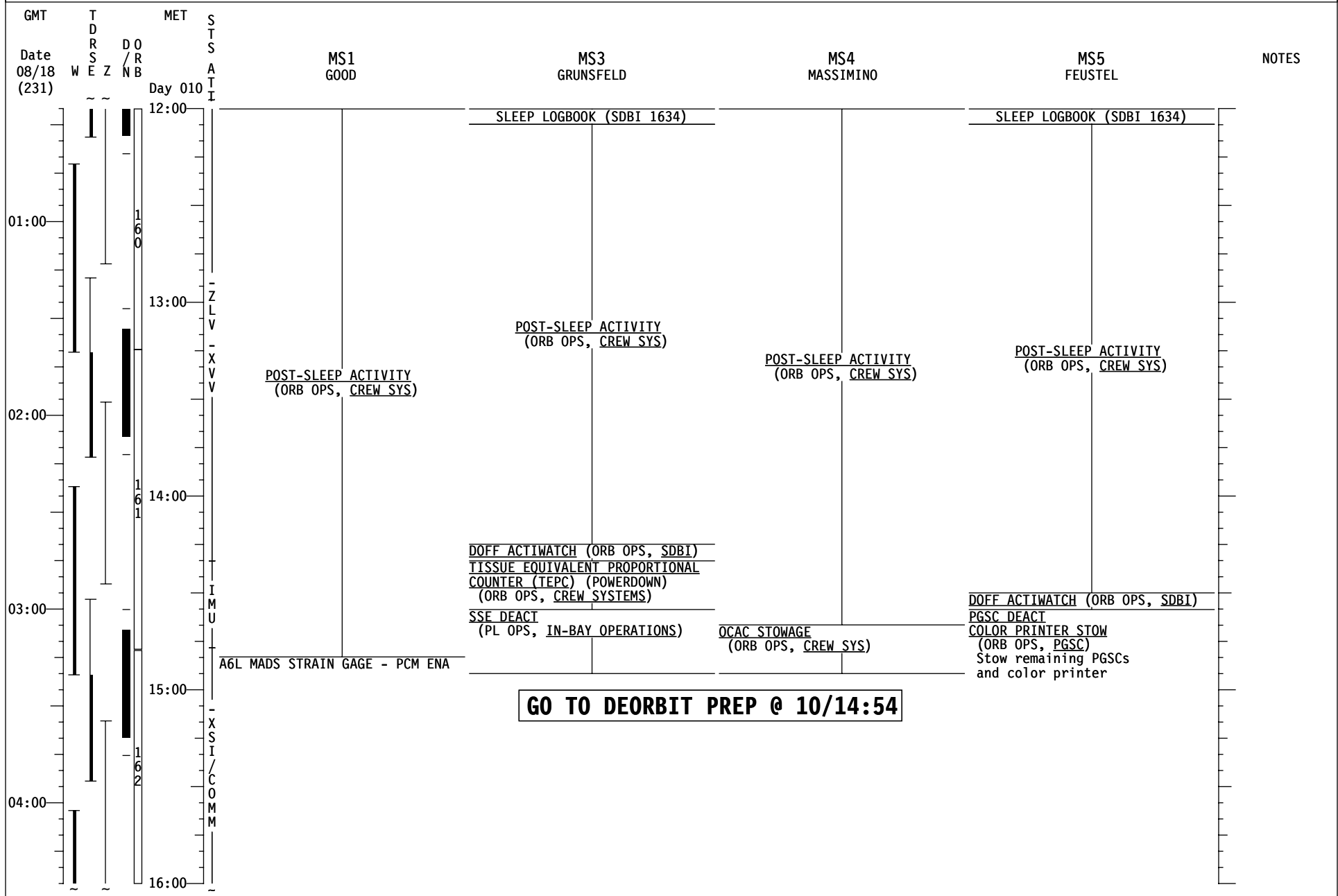
STS-125 (FD11)



STS-125 (FD12)

GMT	T D R S E Z	MET	S T S	CDR ALTMAN	PLT JOHNSON	MS2 McARTHUR	NOTES
Date 08/18 (231)	W E Z	Day 010	A T I				
				SLEEP LOGBOOK (SDBI 1634)	SLEEP LOGBOOK (SDBI 1634)	SLEEP LOGBOOK (SDBI 1634)	
01:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		FD12 EZ ACTIVITIES BEFORE LEAVING FLIGHT PLAN: TEPC (STATUS CHECK) FLUID LOADING PREP Fill Drink Containers per MSG XXX OCAC Filter Inspection Stow CSA-CP	
13:00				L 06 VUHF MODE - OFF PRIVATE MEDICAL CONFERENCE	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
02:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
14:00				DOFF ACTIWATCH (ORB OPS, SDBI)	DOFF ACTIWATCH (ORB OPS, SDBI)	DOFF ACTIWATCH (ORB OPS, SDBI)	
				MNVR IMU STAR ALIGN ATT [A] (pg 3-130) A1/AUTO/VERN Init MNVR (10/14:20) 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)	PRIOR PWRUP GROUP B (ORB PKT, PRIOR PWRDN) Steps 12 (Recover IMU 3),10,9, 6 (Dual G2, 1212),5	PRIOR PWRUP GROUP B (ORB PKT, PRIOR PWRDN) Steps 12 (Recover IMU 3),10,9, 6 (Dual G2, 1212),5	
03:00				MNVR (TRK) -XSI ATT (Coldsoak) TG=4 BV=5 P=184 Y=0 OM=270 A1/AUTO/VERN (10/14:47) Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
					P/TV09 ICBC3D (P/TV, SCENES) Deactivation P/TV09 ICBC3D (AUDIO RECORDER) (P/TV, SCENES) Powerdown and Stow	AIR SAMPLE Rcd MET and location on bottle SSE DEACT (PL OPS, IN-BAY OPERATIONS)	
15:00				GO TO DEORBIT PREP @ 10/14:54			
04:00							
16:00							

STS-125 (FD12)



A IMU STAR ALIGN PAD			
ID: -Y: 43, RASALHAGUE MET (10/14:22 TO 10/15:12)			
ID: -Z: 28, AL NA'IR MET (10/14:28 TO 10/15:15)			
ANG DIFF: 85.0			
DUAL S TRKR <u>ALIGNMENT</u>	2nd ATTITUDE (SINGLE S TRKR) -Z: 43 -Y: 28		
R 344 P 321 Y 352	R 259 P 311 Y 3	70 332 1	
REQD ID:			
-Y: ____, -Z: ____, ANG ERR ____, ____, ____, ____,			
ANG:	1	2 3	
ΔX	() ____, ____, ____,	() ____, ____, ____,	() ____, ____, ____,
ΔY	() ____, ____, ____,	() ____, ____, ____,	() ____, ____, ____,
ΔZ	() ____, ____, ____,	() ____, ____, ____,	() ____, ____, ____,
EXECUTION TIME: __/__:__:__ MET			

B IMU VERIFICATION STAR ALIGN PAD			
ID: -Y: 96, DELTA CYGNI MET (10/14:35 TO 10/15:19)			
ID: -Z: 66, EPSILON SCORPII MET (10/14:14 TO 10/15:04)			
ANG DIFF: 88.7			
DUAL S TRKR <u>ALIGNMENT</u>	2nd ATTITUDE (SINGLE S TRKR) -Z: 96 -Y: 66		
R 155 P 82 Y 296	R 222 P 16 Y 6	39 32 352	
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			



FLIGHT PLAN

**STS
125**