



STS-129/ULF3

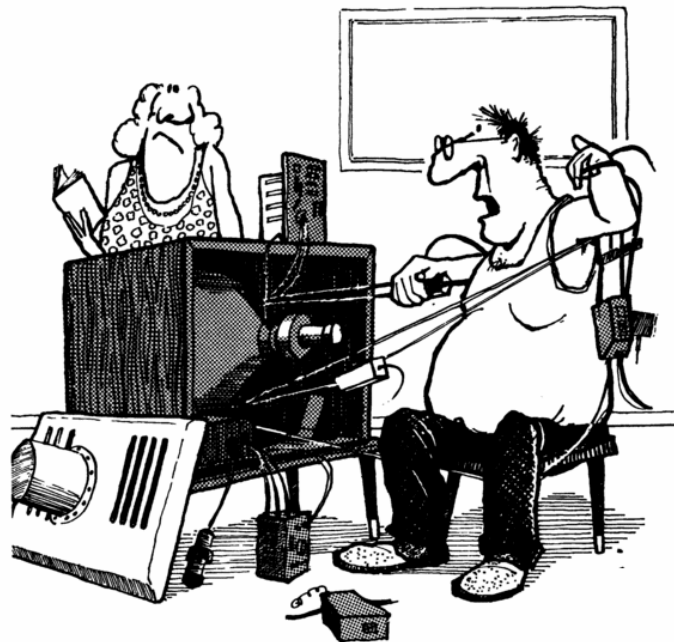
FD 02 Execute Package

MSG	Page(s)	Title
002A	1 - 14	FD02 Flight Plan Revision
003	15 - 16	FD02 Mission Summary
004	17	FD02 Crew Choice Downlink

Approved by FAO:

Gail Hansen

Last Updated: Nov 17 2009 8:28 AM GMT
JEDI (Joint Execute package Development and Integration), v3.0



SSR-1 REGAIN GREEN LIGHTS
(IFM, PGSC)

MSG 002A - FD02 FLIGHT PLAN REVISION

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- 5. Additionally, since the RCS Pri RJDs will remain powered on until post-docking, the actions associated with panels O14:F, O15:F, and O16:F can be ignored within the RCC Surveys.

The affected steps are:

OBSS LDR/IDC RCC SURVEY – STBD
Pg. 7-20 Step 10

OBSS LDR/IDC RCC SURVEY – NOSE
Pg. 7-27 Step 2

OBSS LDR/IDC RCC SURVEY – PORT
Pg. 7-44 Step 8
Pg. 7-47 Step 10

- 6. For today's OMS POD Survey (Photo/TV, SCENES P/TV08 EXTERNAL SURVEY, FS 1-62) planned for MS2 at 01/00:55, please install and use an empty Flash Card for the survey.
- 7. In response to the HD video downlink failure on FD1, the following troubleshooting steps are proposed while in the HD downlink configuration:

First, configure the G1 to live view mode and check for HDV and Taxi LEDs on MPC. If the LEDs are on, switch the G1 to VCR/Play mode and press “play”, check again for HDV and Taxi LEDs on MPC. If the LEDs are on then report status to MCC. If still no joy, then try the above actions again with a different G1 and/or a spare firewire cable located in: [A17, Minicam/G1/Video Acc. Bag (“Spares” Ziploc bag)].
- 8. REPLACE PAGES 2-4 THROUGH 2-5 and 3-8 THROUGH 3-17.

REPLANNED

FD02

GMT 11/17/09 (321)

MET Day_000 12 08 13 08 09 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 18 19 19 20 20 21 21 22 22 23 23 19 19 001/00

CDR HOBGAUGH	SLEEP	POST SLEEP	OMS BURN	POST SLEEP	STBD WING SURVEY	MEAL	H2O CMC S/U	FILTER CLEANING	COND CMC S/U	M - N Z V L R V
PLT WILMORE	SLEEP	POST SLEEP	OMS BURN	OBSS UNBERTH	STBD WING SURVEY	MEAL	NOSE CAP SURVEY	PORT WING SURVEY		OB BE SR ST H
MS1 MELVIN	SLEEP	POST SLEEP	POST SLEEP	OBSS UNBERTH	STBD WING SURVEY	MEAL	NOSE CAP SURVEY	PORT WING SURVEY		OB BE SR ST H
MS2 BRESNIK	SLEEP	POST SLEEP	POST SLEEP	POST SLEEP	EMU C/O	MEAL	NOSE CAP SURVEY	PORT WING SURVEY		0 2 I N I T
MS3 FOREMAN	SLEEP	POST SLEEP	POST SLEEP	EMU C/O PREP	EMU C/O	MEAL	EMU PREP/ISS XFER	EXERCISE		MDDK XFER PREP
MS4 SATCGER	SLEEP	POST SLEEP	POST SLEEP	EMU C/O PREP	EMU C/O	MEAL	EMU PREP/ISS XFER	EXERCISE		
DAY/NIGHT ORBIT	9	10	11	12	13	14	15	16	17	
TDRS	W	E	Z							
ATTITUDE										
NOTES										

#HTR RCMFG
*R OMS TO RCS

NC2 -ZLV -XVV -BIAS +YSI -#MANUAL

REPLANNED

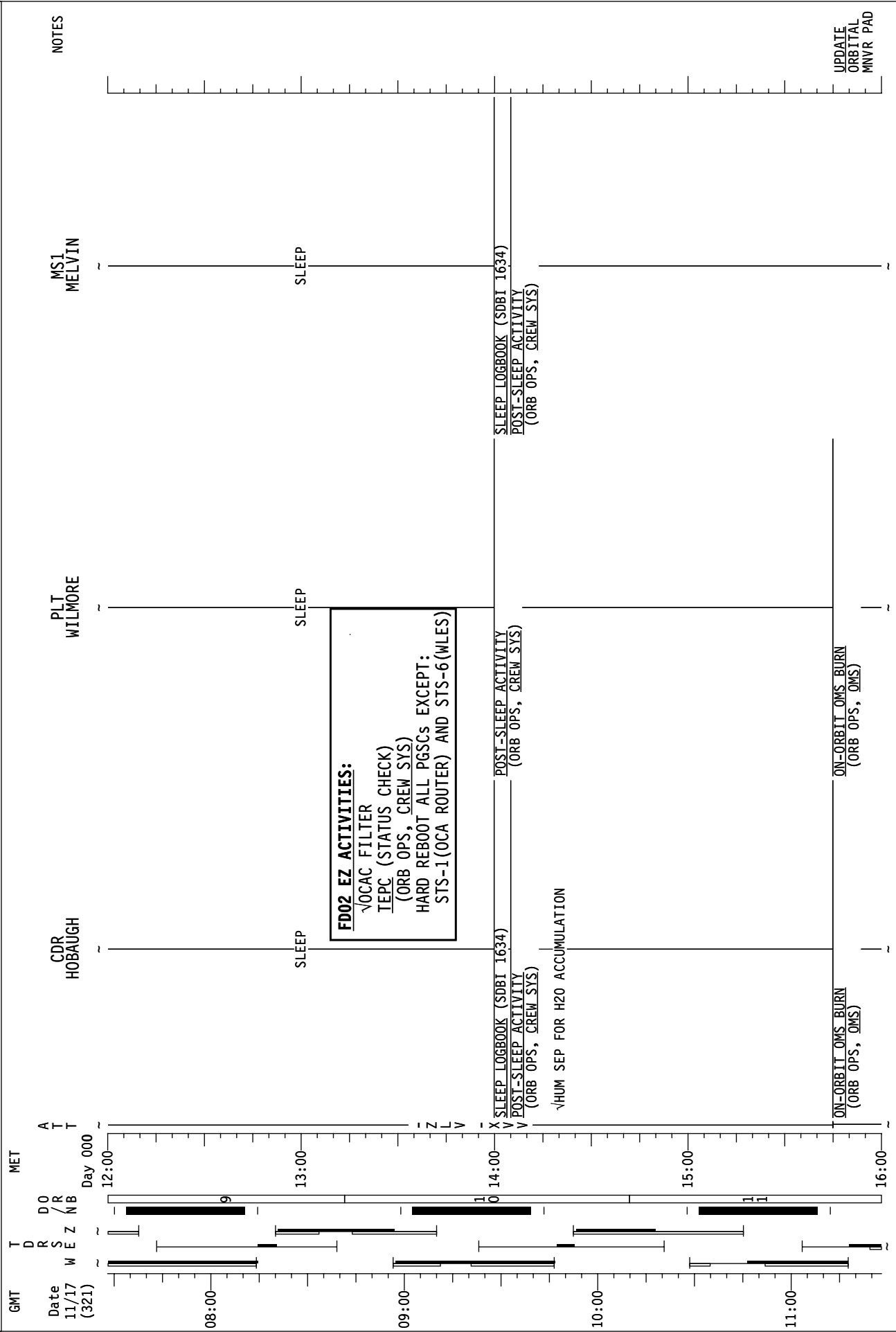
FD02 GMT 11/17/09 (321) MET Day_001 001/00 20 01 21 02 22 03 23 04 11/18 05 01 06 07 08 09 10 11 12

CDR HOBBAUGH	EXERCISE	C/L CMR INSTL	R C S	FCMS OPS	PRE SLEEP	RCS BURN	M - N Z - V L - R M - S P - L A - G	PRE SLEEP	SLEEP
	OBSS BERTH	C/L CMR INSTL		EXERCISE	PRE SLEEP	RCS BURN		PRE SLEEP	SLEEP
MS1 MELVIN	OBSS BERTH	RE ML SC G1 R P L		ODS RING	RNDZ TOOLS C/O	M D D K C K		PRE SLEEP	SLEEP
		RE ML SC OMS G1 POD SRVY R P L		ODS RING	RNDZ TOOLS C/O		DRY S L V A	PRE SLEEP	SLEEP
MS3 FOREMAN	MDDK XFER PREP			LDRI DOWNLINK				PRE SLEEP	SLEEP
								PRE SLEEP	SLEEP
MS4 SATCER				NLP VAC ACT		O C A R C H G		PRE SLEEP	SLEEP
								PRE SLEEP	SLEEP
DAY/NIGHT ORBIT									
TDRS W E Z									
ATTITUDE									
NOTES									

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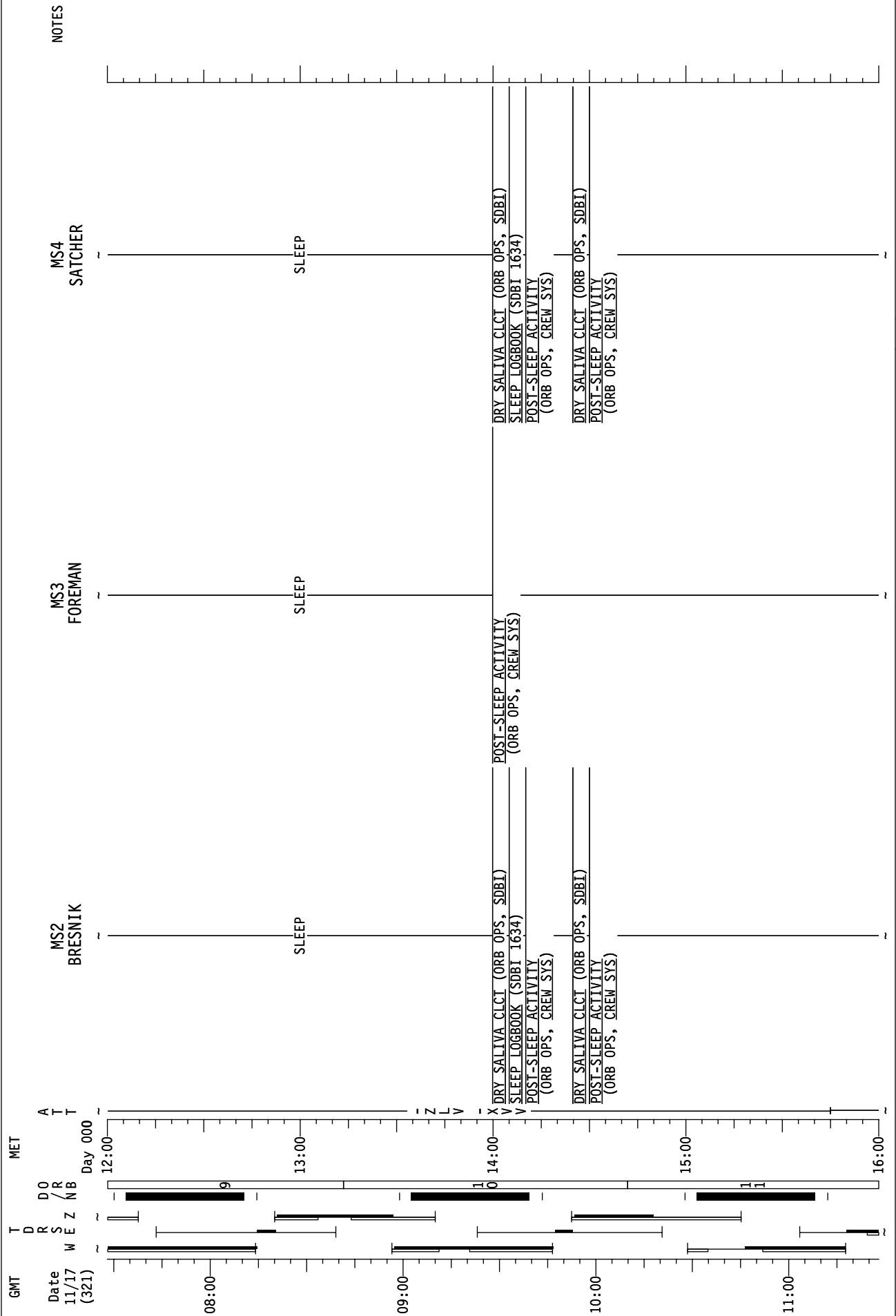
STS-129/ULF3 FD02

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STS-129/ULF3 FD02

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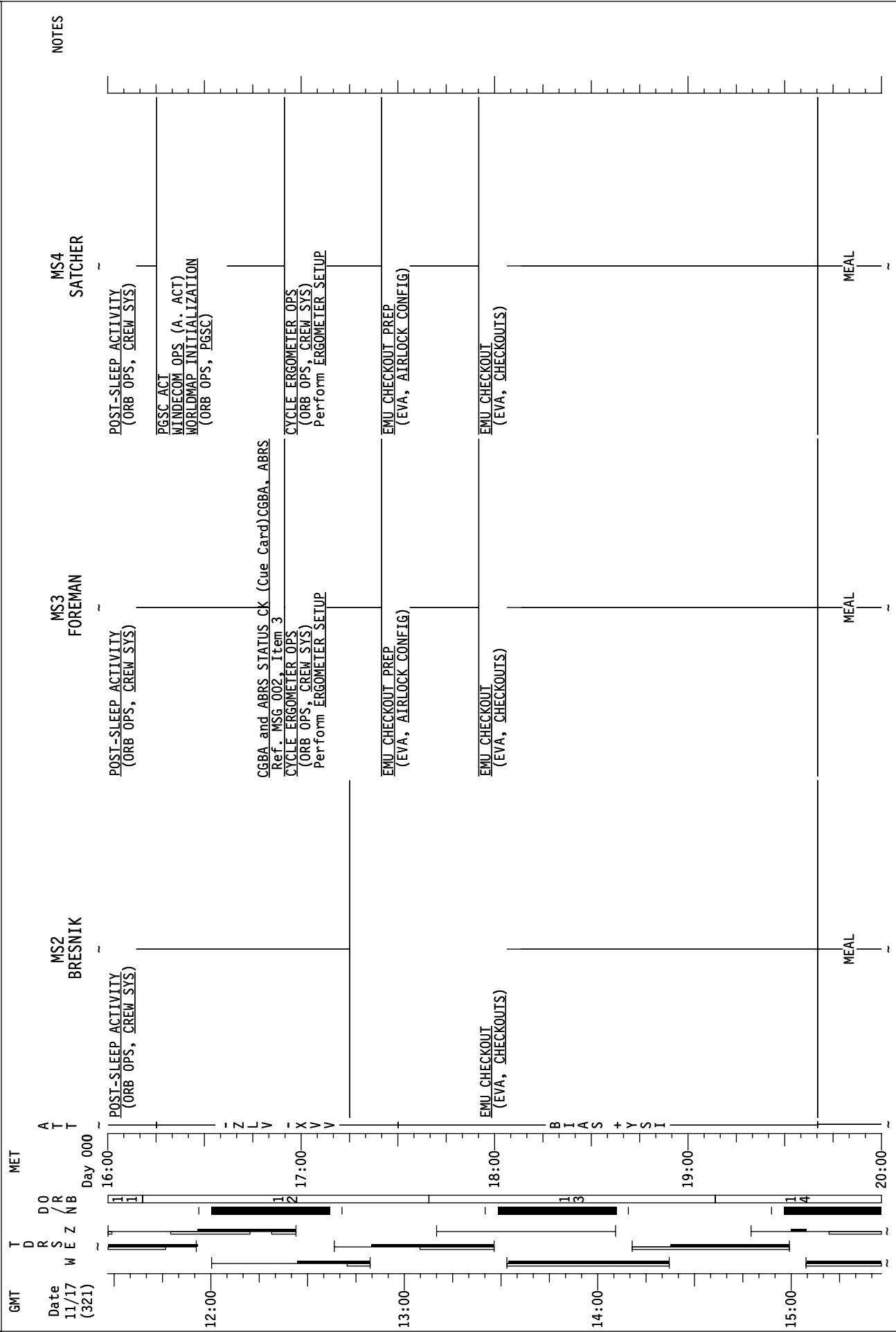
STS-129/ULF3 FD02

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GMT	Date 11/17 (321)	TDRS W E Z NB	MET Day 000	CDR HOBAUGH	PLT WILMORE	MS1 MELVIN	NOTES
16:00				ON-ORBIT OMS BURN (ORB OPS, OMS) < NC2 TIG (16:10)	ON-ORBIT OMS BURN (ORB OPS, OMS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPDATE ORBITAL MNV R PAD
16:00				MNV R (TRK) -ZLV -XV TIG-2 BV-3 OM=0 A1/AUTO/VERN Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	DCS FILE TRANSFER (PHOTO/TV, DZXS) ET HANDHELD PHOTO L17 Check MCIU filter screen	
12:00				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	OBSS UNBERTH (PDRS, OBSS OPS)	OBSS UNBERTH (PDRS, OBSS OPS)	
17:00				A] A14 RCS/OMS HTR L POD - A OFF - B AUTO R POD - A OFF - B AUTO			
13:00				I/CNCT: R OMS TO RCS (OPCL, RCS) RCS/OMS POD HTR RECONFIG A R2 BLR CNTLR/HTR (three)-B MNV R (TRK) BIAS +YSI (STBD SURVEY) TIG-4 BV=5 P=0 Y=40 OM=295 A14/AUTO/VERN OBSS UNBERTH cmlpt, Init TRK			
18:00				OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS) Ref. MSG 002, Item 5	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS) Ref. MSG 002, Item 5	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS) Ref. MSG 002, Item 5	
14:00							
15:00				MNV R (TRK) BIAS +XSI (NOSE CAP) TIG-4 BV=5 P=330 Y=0 OM=330 A14/AUTO/VERN RCC SURVEY-STBD cmlpt, Init TRK	MEAL	MEAL	

STS-129/U/LF3 FD02

REPLANNED



STS-129/ULF3 FD02

REPLANNED

GMT	Date 11/17 (321)	DRS W E Z NB	DOOR 1 4	MET Day 000	CDR HOBAUGH	PLT WILMORE	MS1 MELVIN	NOTES
16:00				20:00	MEAL	MEAL		
				21:00	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE	OBSS_LDRI/IDC_RCC_SURVEY - NOSE CAP (PDRS, OBSS OPS) Ref. MSG 002, Item 5	OBSS_LDRI/IDC_RCC_SURVEY - NOSE CAP (PDRS, OBSS OPS) Ref. MSG 002, Item 5	
17:00				22:00	MNVR (TRK) BIAS -YSI (PORT SURVEY) TG=4 BV=5 P=0 Y=323 OM=150 A14/AUTO/VERN RCC SURVEY-PORT Step 3 cmlt, Init TRK FC PURGE - MANUAL (ORB OPS, EPS) CRYO O2 TK HTR SNR CK (ORB OPS, EPS)	OBSS_LDRI/IDC_RCC_SURVEY - PORT (PDRS, OBSS OPS) Ref. MSG 002, Item 5	OBSS_LDRI/IDC_RCC_SURVEY - PORT (PDRS, OBSS OPS) Ref. MSG 002, Item 5	
18:00				23:00	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)			
19:00				00:00	SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform SETUP: Hardware stowed in MF71M. Use CWC S/N 6008. MNVR (TRK) -ZLV -XVY TG=2 BV=3 OM=0 A14/AUTO/VERN RCC SURVEY-PORT Step 12 cmlt, Init TRK	OBSS_BERTH (PDRS, OBSS OPS) Steps 1-8	OBSS_BERTH (PDRS, OBSS OPS) Steps 1-8	

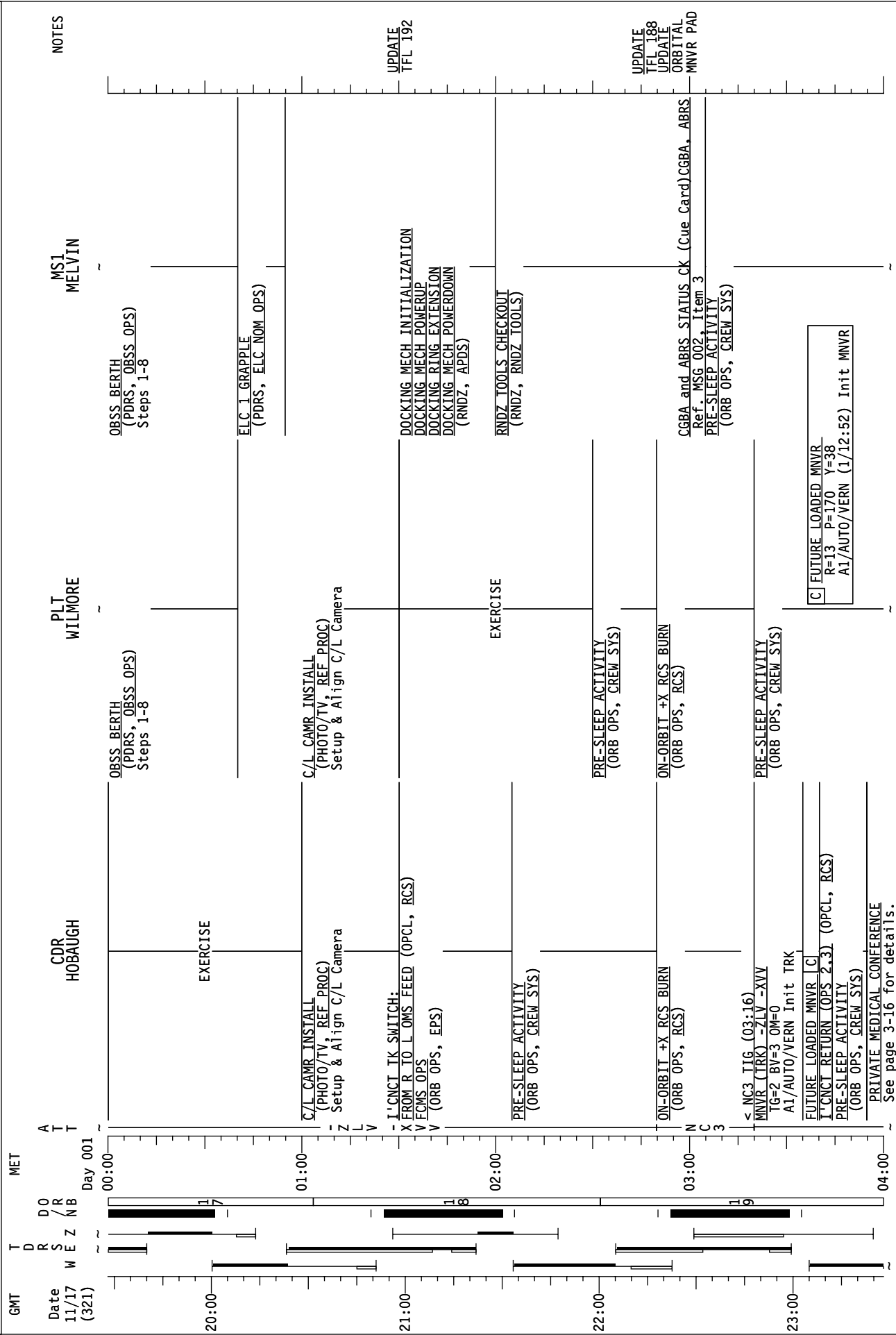
STS-129/ULF3 FD02

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GMT	Date 11/17 (321)	TDRS W E Z	DO/R/NB	MET Day 000	ATT	MS2 BRESNIK	MS3 FOREMAN	MS4 SATCHER	NOTES
16:00			14	20:00	A S + X S	MEAL	MEAL		
17:00			15	21:00		DRY SALIVA CLCT (ORB OPS, SDBI) OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPS) Ref. MSG 002, Item 5	EMU PREP FOR ISS TRANSFER (EVA, AIRLOCK CONFIG) In SODF locker (MF57K), take one Joint Emergency Egress CC from EVA TRANSFER Ziploc and place it in the "Joint Ops Cue Card Kit"	DRY SALIVA CLCT (ORB OPS, SDBI) EMU PREP FOR ISS TRANSFER (EVA, AIRLOCK CONFIG) In SODF locker (MF57K), take one Joint Emergency Egress CC from EVA TRANSFER Ziploc and place it in the "Joint Ops Cue Card Kit"	
18:00			16	22:00		OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPS) Ref. MSG 002, Item 5			
19:00			17	23:00	B I A S Y S I		EXERCISE	EXERCISE	
00:00			17	00:00		02 REPRESS INIT OCAC PWR - OFF C5 DIRECT 02 V1v - 0P	MIDDECK TRANSFER PREP	EXERCISE	

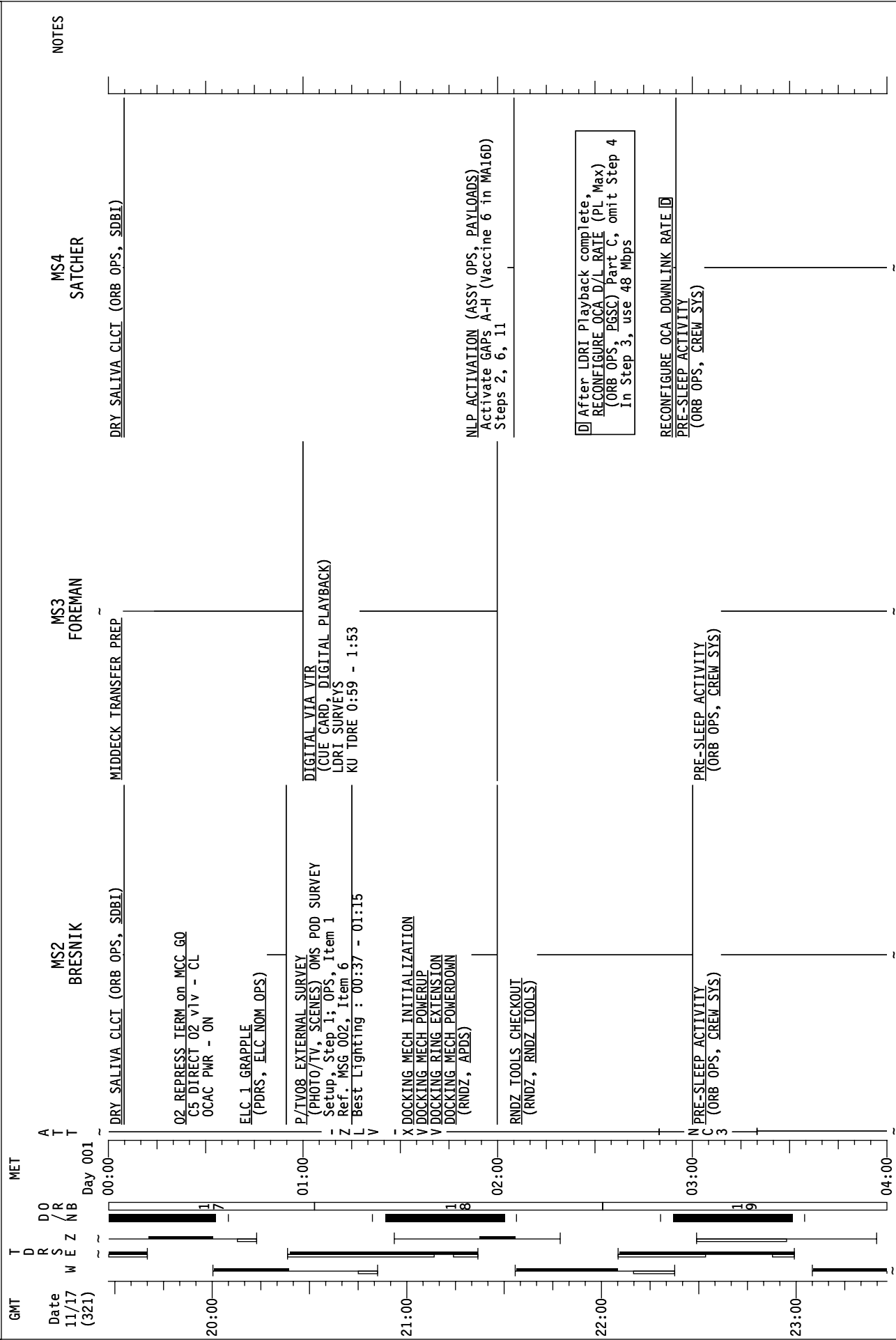
STS-129/ULF3 FD02

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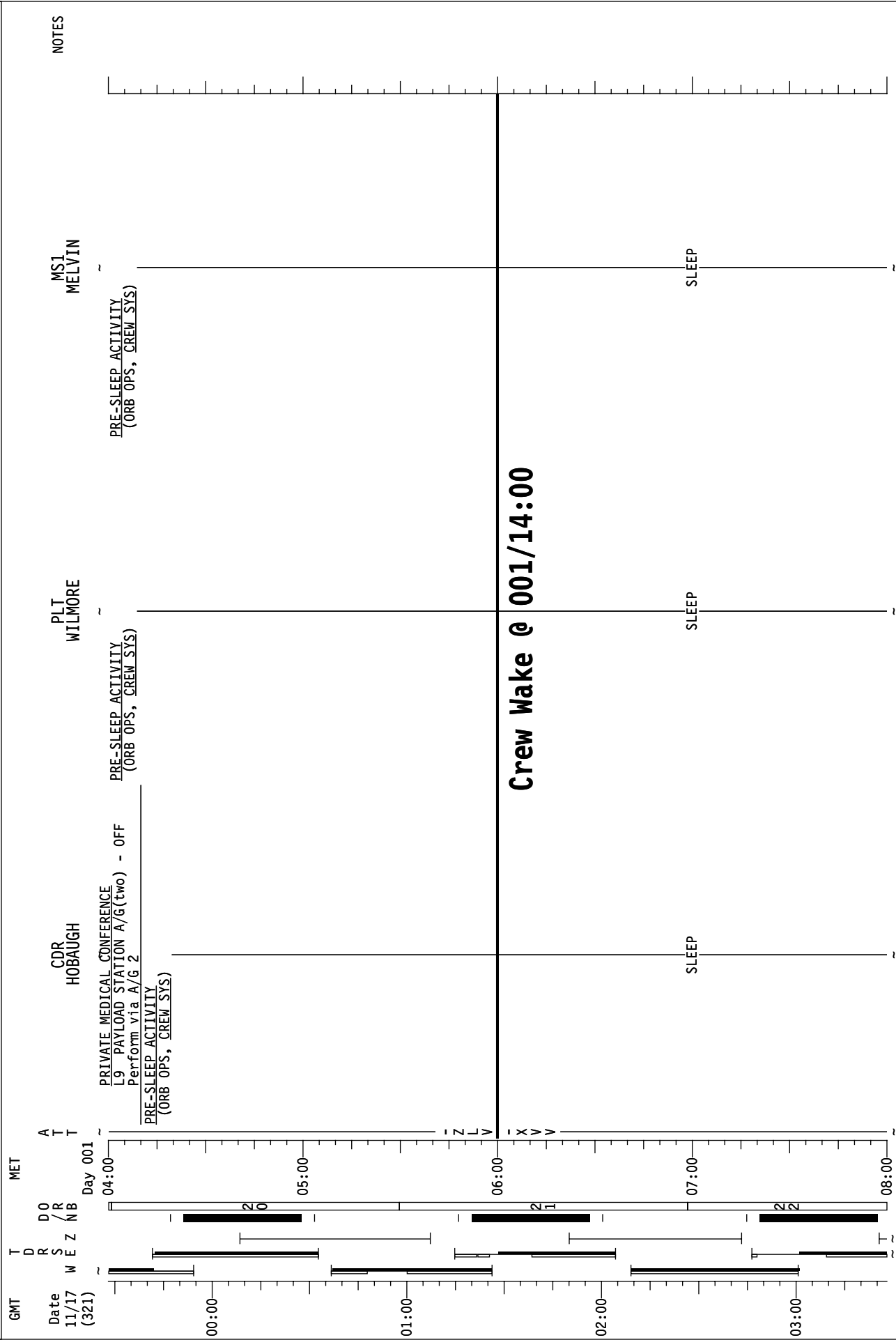
STS-129/ULF3 FD02

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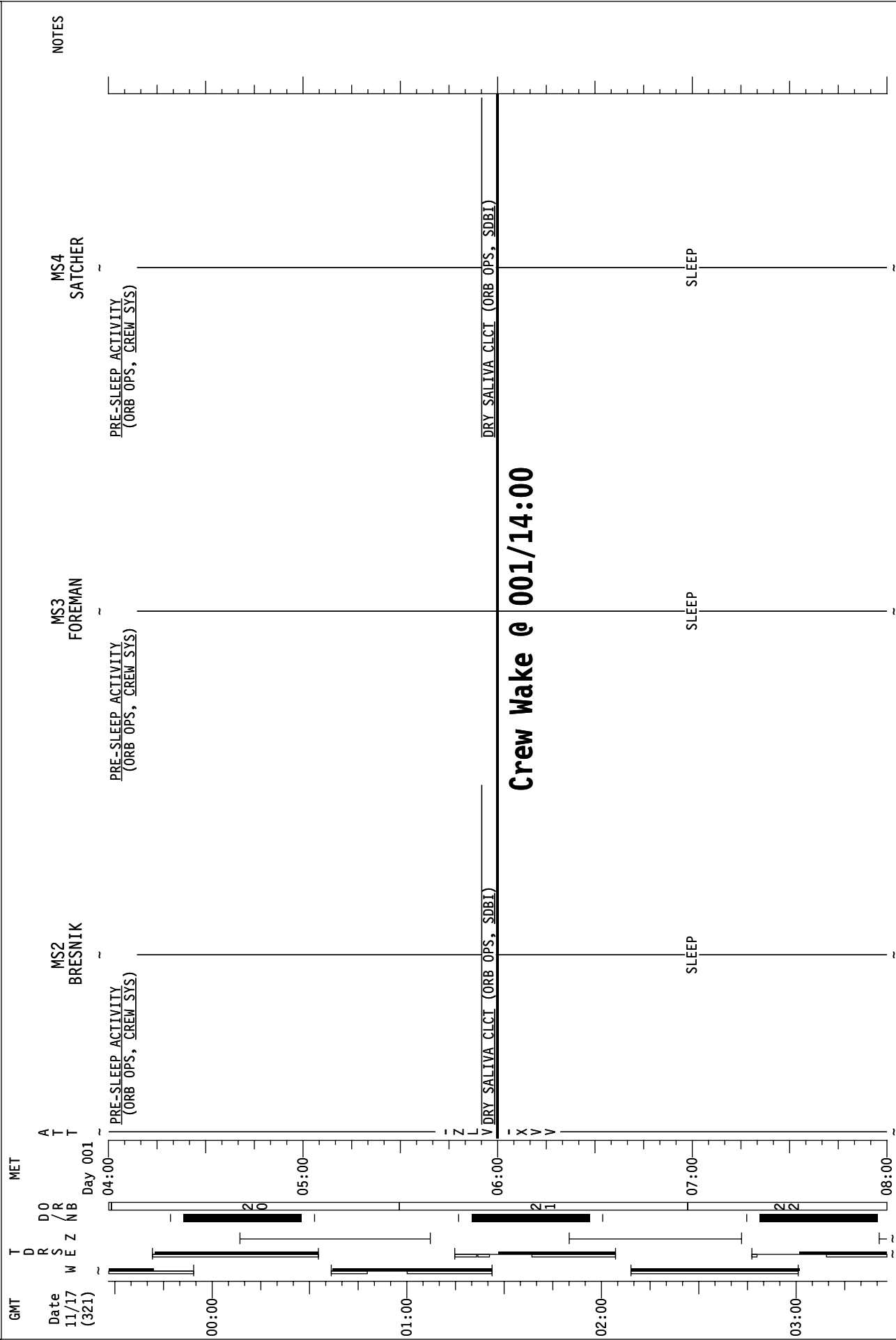
STS-129/U/LF3 FD02

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STS-129/ULF3 FD02

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MSG 003 - FD02 MISSION SUMMARY

1 Congratulations on a beautiful, flawless launch, Atlantis! Now the fun begins...!!!

2
3 YOUR CURRENT ORBIT IS: 127 X 103 NM

4
5 NOTAMS:

6
7 EDW - LAKEBED RWY 15/33 GREEN - ELS ONLY. RWY 18L - UNUSABLE.
8 NOR - LAKEBED RUNWAYS GREEN.
9 NTU - RWYS 05R/23L & 14L/32R CLOSED.
10 YQX - TACAN YQX CH74 OTS.
11 LAJ - TACAN LAJ45 OTS.
12 PTN - AIRFIELD CLOSED.
13 GUA - RWY 06R/24L CLOSED. RWY 06L REIL OTS.
14 IKF - NOT USABLE. NO AGREEMENT.
15 BEN - NOT RECOMMENDED/NOT SUPPORTED

16
17 NEXT 2 PLS OPPORTUNITIES:

18
19 EDW22 ORB 18 – 1/02:06 FEW250 7 060/3P5 WND LGT VRB
20 EDW22 ORB 33 – 2/00:17 FEW030 FEW030 SCT250 7 230/17P24

21
22 OMS TANK FAIL CAPABILITY:

23
24 L OMS FAILS: YES
25 R OMS FAILS: YES

26
27 LEAKING OMS PRPLT BURN:

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29 L OMS LEAK: ALWAYS BURN OUT OF PLANE
30 R OMS LEAK: ALWAYS BURN OUT OF PLANE

31
32 OMS QUANTITIES(%)

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34 L OMS OX = 61.4 R OMS OX = 61.4
35 FU = 61.1 FU = 61.0

36
37 Subtract interconnect counter for current OMS quantities

38
39 DELTA V AVAILABLE:

40
41 OMS 588 FPS
42 ARCS (TOTAL ABOVE QTY1) 53 FPS
43
44 TOTAL IN THE AFT 641 FPS
45
46 ARCS (TOTAL ABOVE QTY2) 81 FPS
47 FRCS (ABOVE QTY 1) 52 FPS
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49 AFT QTY 1 92 %
50 AFT QTY 2 55 %
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END OF PAGE 1 OF 2, MSG 003

MSG 003 - FD02 MISSION SUMMARY

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END OF PAGE 2 OF 2, MSG 003

MSG 004 - FD02 CREW CHOICE DOWNLINK

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TDRS	AOS	LOS	Delta (min)	Notes
W	01/04:00	01/04:13	13	
E	01/04:15	01/05:04	49	Alpha Stop @ 01/04:37
W	01/05:09	01/05:19	10	
W	01/05:33	01/05:58	25	

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Note: Please notify MCC-H 10 minutes prior to the event to allow for ground network configuration.

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END OF PAGE 1 OF 1, MSG 004