

STS-118/13A.1

FD 02 Execute Package



MSG	Page(s)	Title
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003A	13 - 14	FD02 Mission Summary (pdf)
004	15 - 17	FD02 Transfer Message (pdf)
005	18	Water Ops Cue Card (pdf)
006B	19 - 20	FD02 Summary Timeline (pdf)
007	21	FD02 SPACEHAB Viewport Violations (pdf)

Approved by FAO: Roger Smith

Last Updated: Aug 9 2007 11:02AM GMT

JEDI (Joint Execute package Development and Integration), v2.04.0003

MSG 002C - FD02 FLIGHT PLAN REVISION

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MSG INDEX

<u>MSG NO.</u>	<u>TITLE</u>
002	FD02 Flight Plan Revision
003	FD02 Mission Summary
004	FD02 Transfer Message
005	Water Ops Cue Card
006	FD02 Summary Timeline
007	FD02 SPACEHAB Viewport Violations

1. Per pre-flight agreements for tin whisker mitigation, please perform the following RCS jet reprioritizations:

GNC 23 RCS

- ITEM 1 EXEC (Fwd Page)
- ITEM 24 EXEC - twice (Places F3D in last priority)
- ITEM 28 EXEC - twice (Places F4D in last priority)
- ITEM 4 + 3 EXEC (Update pri jet fail limit to 3)

- ITEM 2 EXEC (Left Page)
- ITEM 8 EXEC - twice (Places L4L in last priority)
- ITEM 12 EXEC - twice (Places L3L in last priority)
- ITEM 16 EXEC - twice (Places L4U in last priority)

- ITEM 3 EXEC (Right Page)
- ITEM 8 EXEC - twice (Places R4R in last priority)
- ITEM 12 EXEC - twice (Places R3R in last priority)
- ITEM 16 EXEC - twice (Places R4U in last priority)

2. Your HazMat files have been updated on the KFX and WLES PGSCs. We will update the remaining PGSCs on FD02.
3. During RMS C/O Step 5 (Direct Drive Test), you received a S96 PDRS ABE SY msg. PDRS would also like to know if you received a Master Alarm at the same time.
4. We did not see the expected messages during SPACEHAB activation for the SPACEHAB SMOKE SENSOR TEST portion of MODULE CONFIG (SH OPS, ACT), steps 32-40. Please confirm with us that these steps were completed or perform the steps at your earliest convenience and notify MCC prior to starting the smoke sensor test.

MSG 002C - FD02 FLIGHT PLAN REVISION

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5. R13 Inhibit Caution and Warning Channel 10 (O2 TK2 CNTL P)

For today's cryo config, Tank Sets 1, 2 will be active with dual heaters. This configuration will also troubleshoot O2 TK2 CNTL P. Further troubleshooting and/or reconfiguration will follow.

R1 CRYO O2, H2 MANF VLV TK1 (two) - OP (tb-op)
TK2 HTRS A,B (four) - AUTO
TK3 HTRS A,B (four) - OFF

6. For EVA, Clay recommends that you utilize the two EMU Equipment Bag - Crew Specific Compartments that are currently on ISS for your EVA prep activities. They are currently deployed in the Equipment Lock and are ready for your use. This is a change from pre-flight, as we had planned for you to bring your own compartments from shuttle (Vol. H) so that each of you had your own bag to use for EVA ops.

If you would still like to bring your own compartments over to ISS, you can execute the EMU transfer procedures as written. If you do not want to carry those compartments to ISS, please perform the following pen & ink changes to your EVA C/L for FD2. Please let us know your decision so that we can update upcoming flight procedures, if required.

EMU CHECKOUT PREP (EVA C/L, AIRLOCK CONFIG)

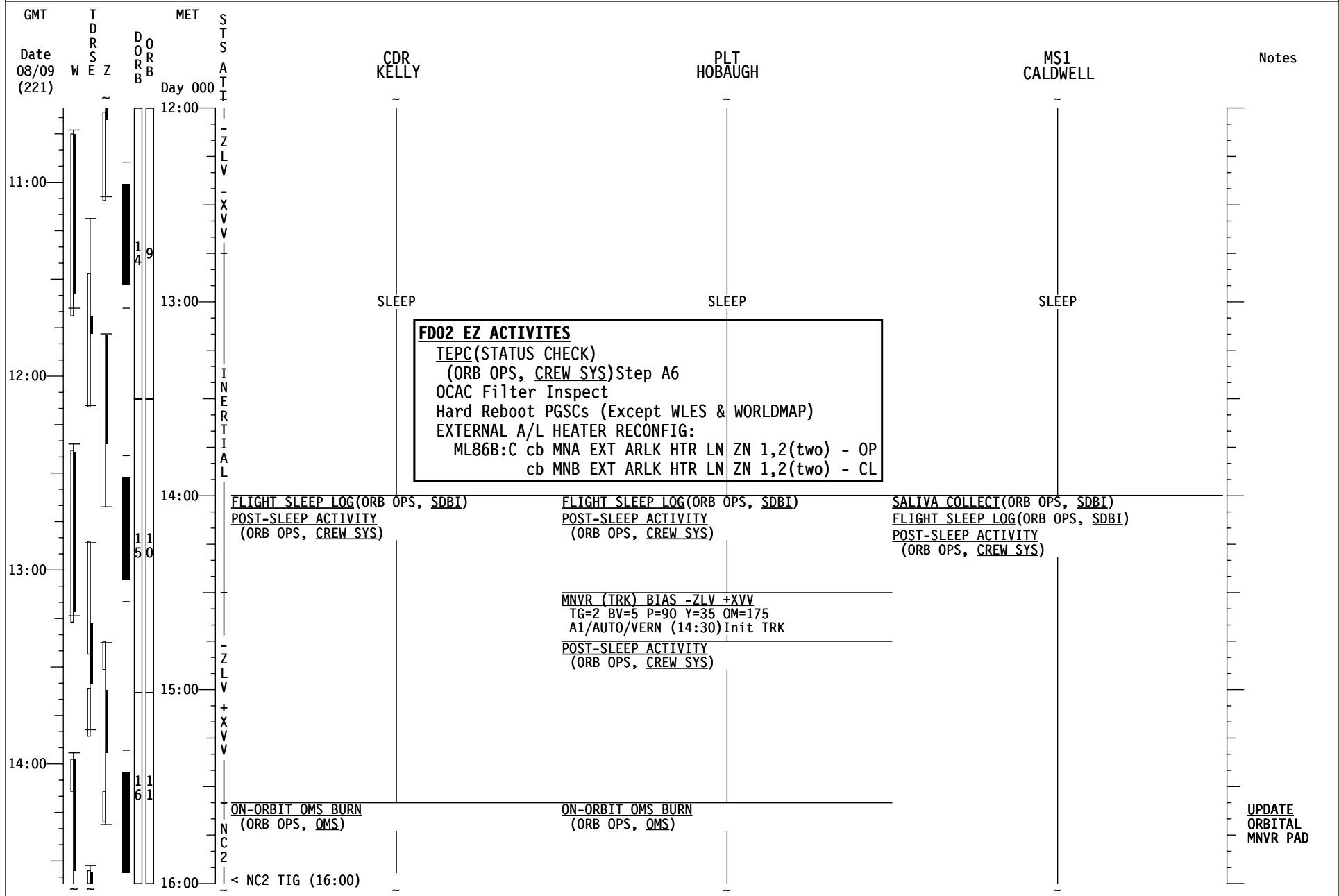
- 1) In step 10, delete "EMU Equipment Bag - Crew Specific Compartment (2)"
- 2) Delete step 11.

EMU PREP FOR TRANSFER TO ISS (EVA C/L, AIRLOCK CONFIG)

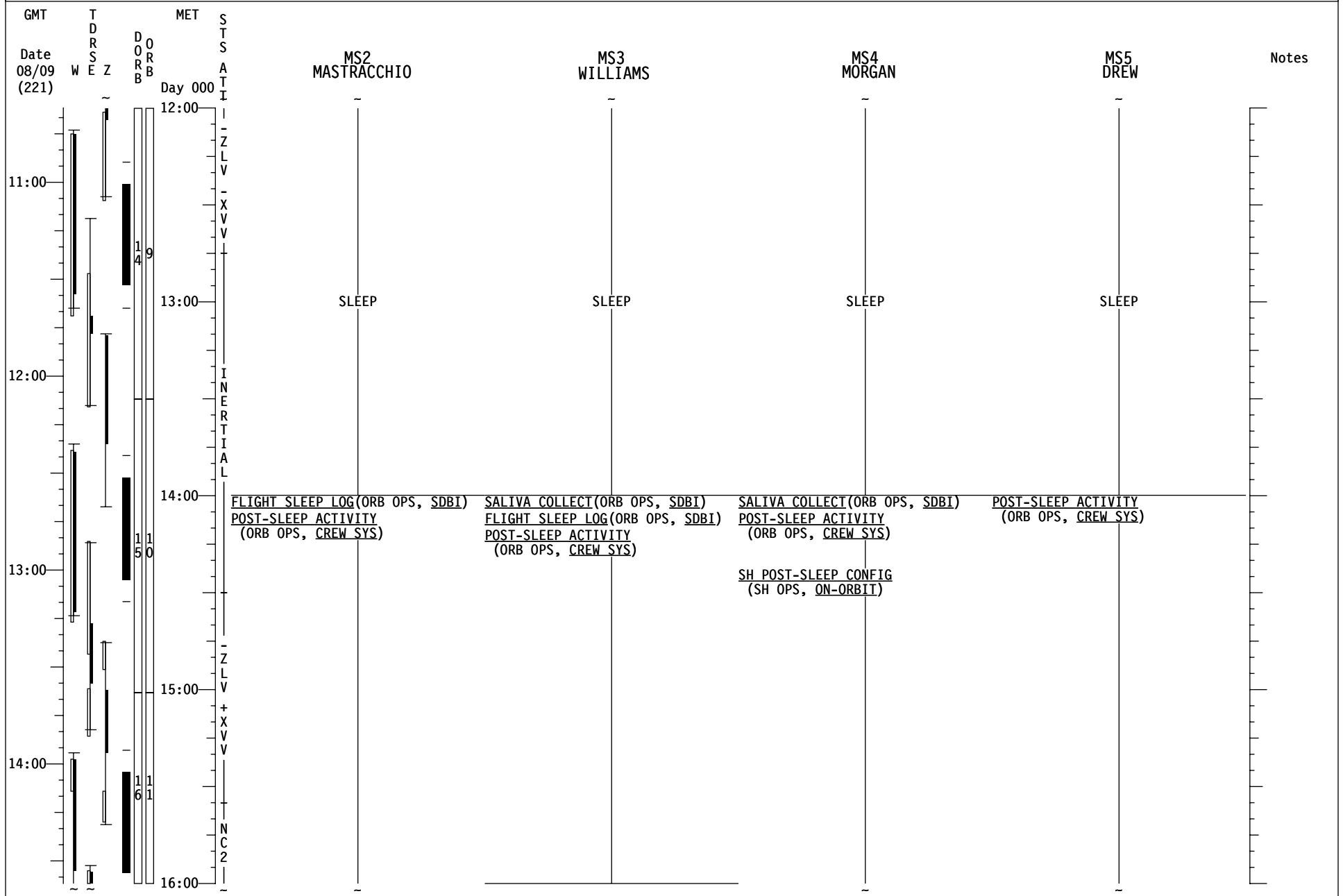
On FS 2-7, in the Mesh Bag (Mt) and Mesh Bag (Wm) blocks, delete "EMU Equip Bag Crew Compartment"

7. REPLACE PAGES 2-4 THROUGH 2-5 AND 3-8 THROUGH 3-17.

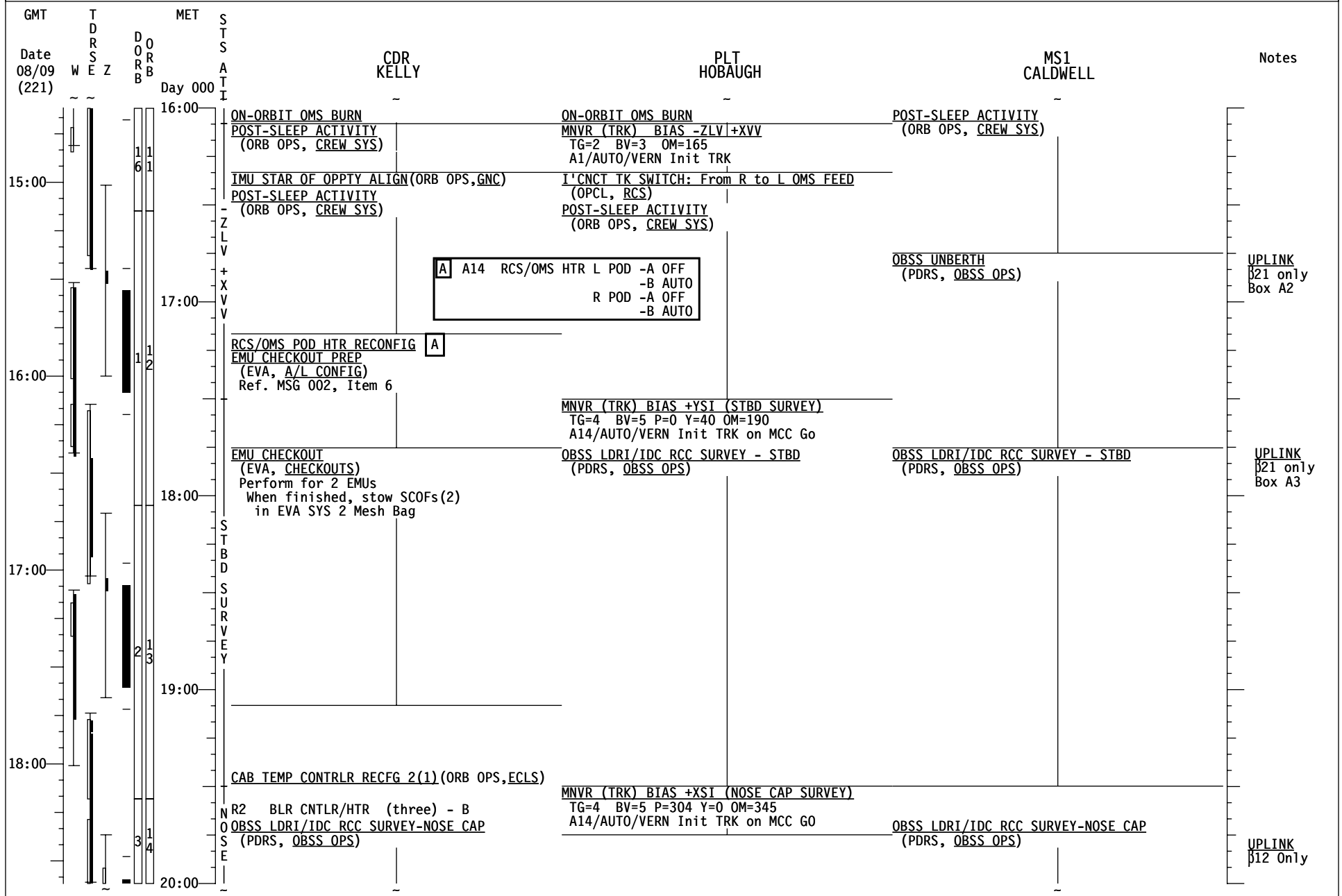
STS-118 FD02



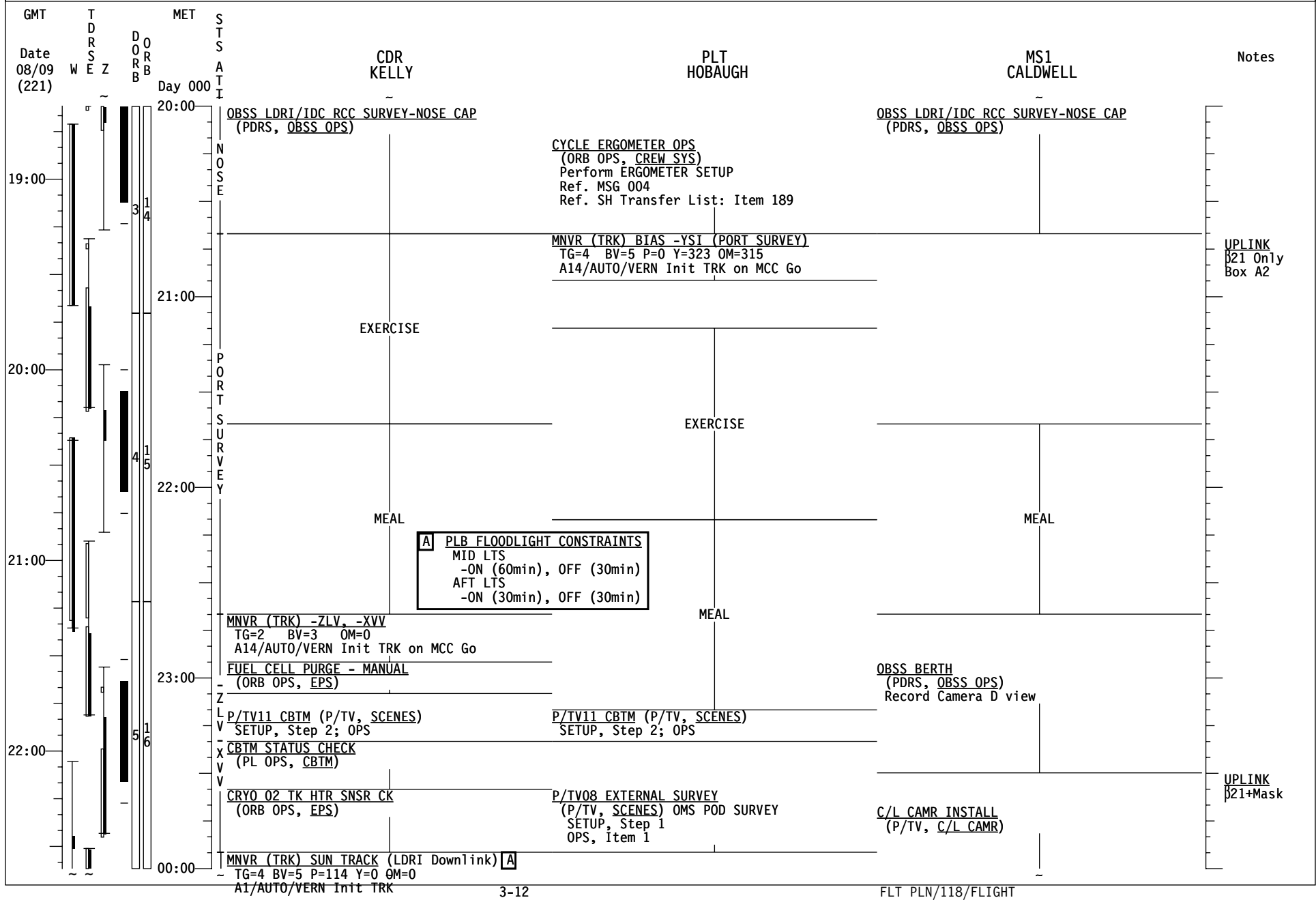
STS-118 FD02



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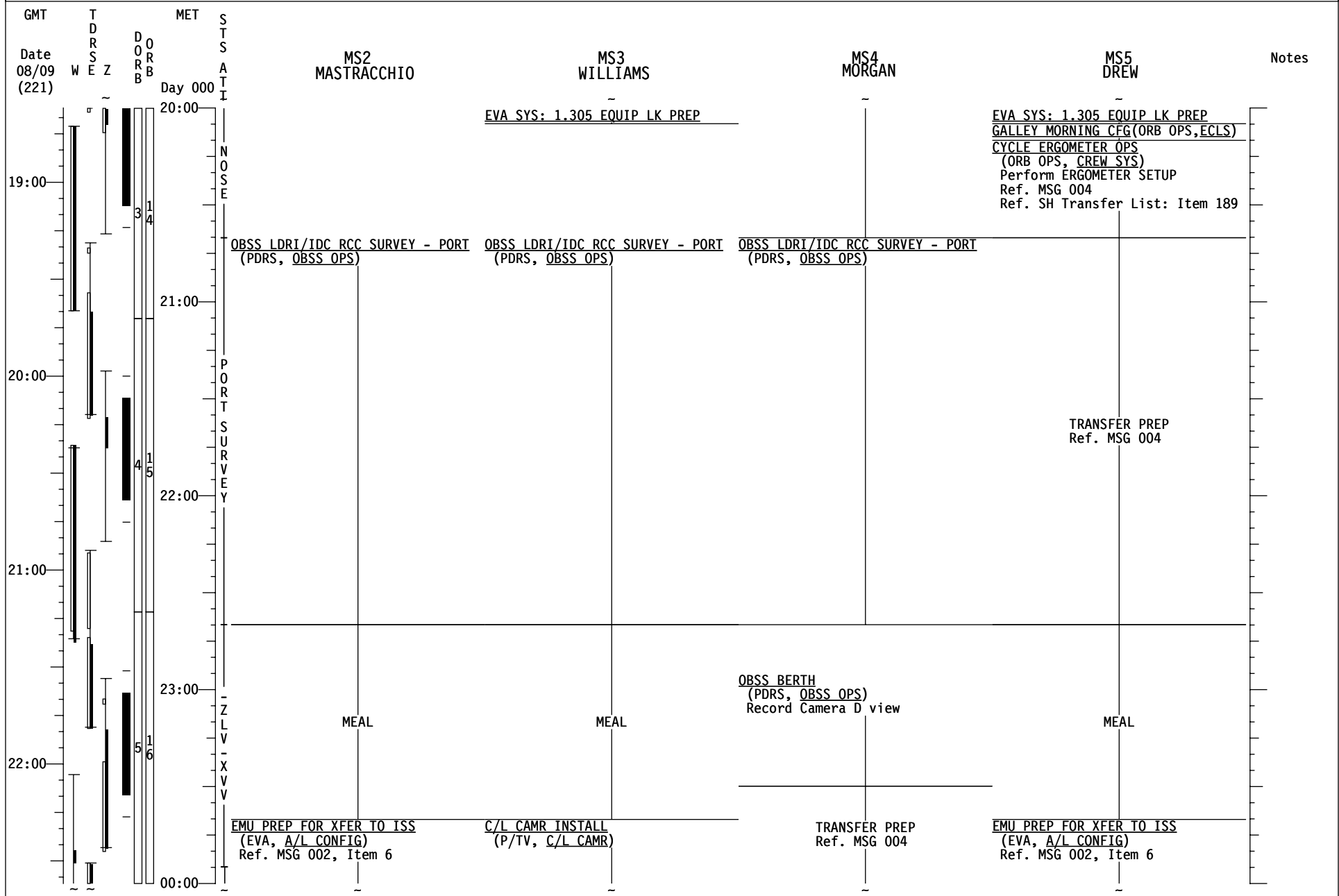


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[A] PLB FLOODLIGHT CONSTRAINTS
MID LTS
-ON (60min), OFF (30min)
AFT LTS
-ON (30min), OFF (30min)

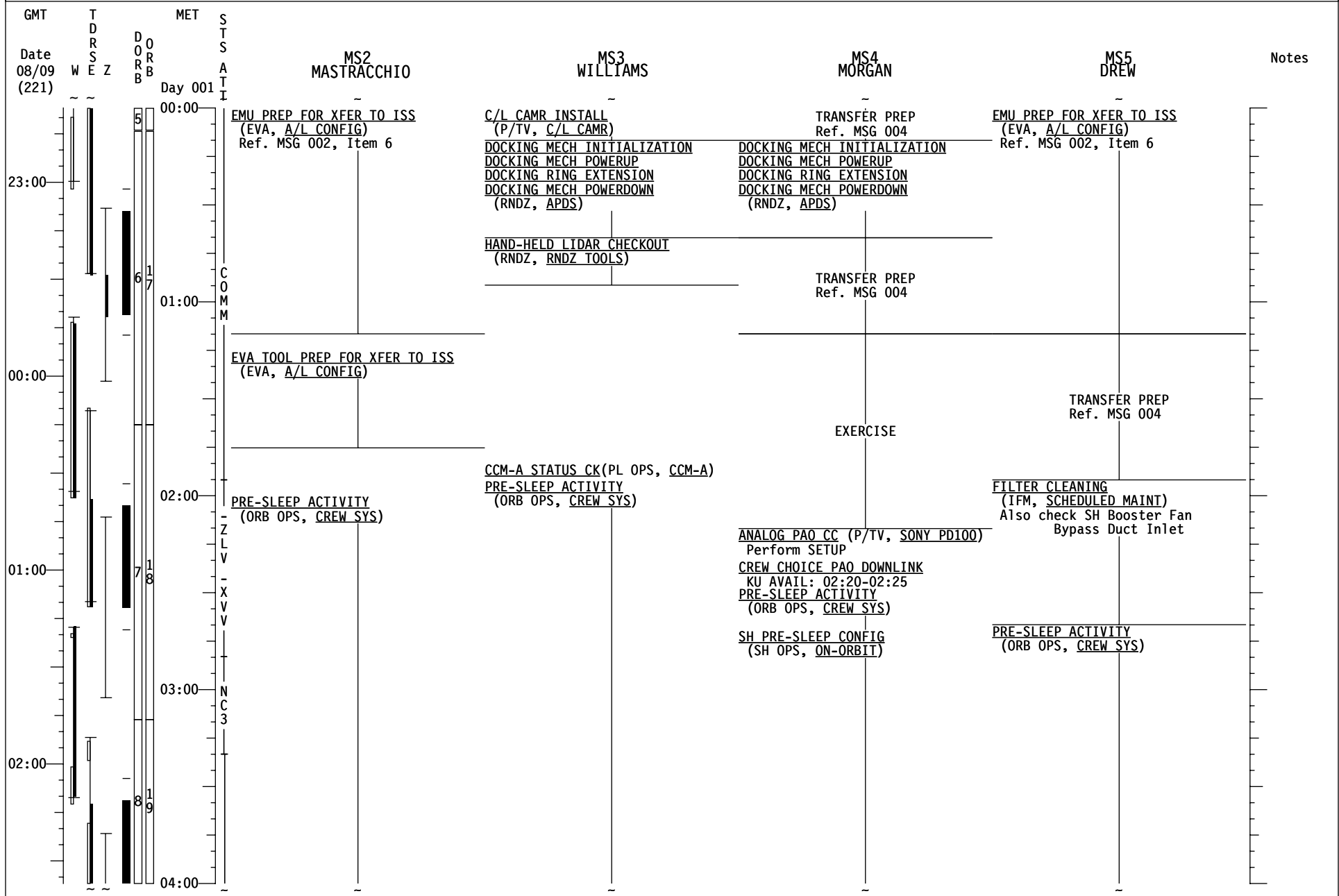
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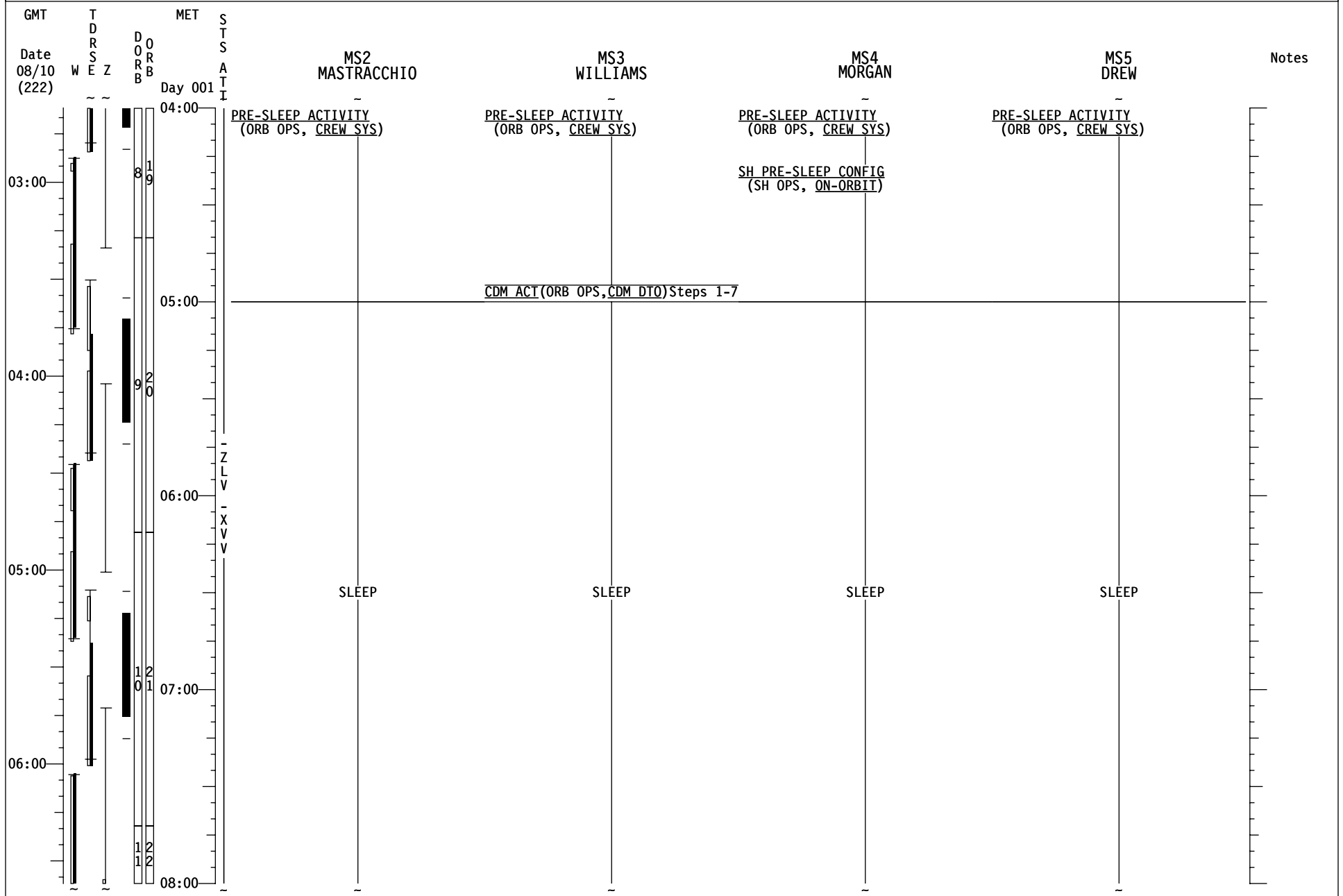
STS-118 FD02

GMT	T D R S E Z	MET	S T S	CDR	PLT	MS1	Notes
Date	W E Z	Day	A T T	KELLY	HOBBAUGH	CALDWELL	
08/09 (221)	~	001	5				
23:00		00:00	5	MNVR (TRK) SUN TRACK (LDRI Downlink) A TG=4 BV=5 P=114 Y=0 OM=0 A1/AUTO/VERN Init TRK PLAYBACK (DIGITAL) (P/TV, CUE CARD) LDRI SURVEYS KU TDRE (00:00-00:51) TDRW (01:07-01:58)	A15 √APCU 2 OUTPUT - OFF SSPTS APCU ACI (ORB OPS, EPS) Activate APCU 1 for ESP3 RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	C/L CAMR INSTALL (P/TV, C/L CAMR) RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	UPLINK TFL 184
		01:00	6	A PLB FLOODLIGHT CONSTRAINTS MID LTS -ON (60min), OFF (30min) AFT LTS -ON (30min), OFF (30min)			
00:00		00:00	6	MERLIN STAT CK (PL OPS, MERLIN/SPEGIS) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	EVA TOOL PREP FOR XFER TO ISS (EVA, A/L CONFIG)	
		02:00	7	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) MNVR (TRK) -ZLV, -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
01:00		01:00	7	CREW CHOICE PAO DOWNLINK KU AVAIL: 02:20-02:25 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		03:00	8	G2 SET EXPANSION (ORB OPS, DPS) Dual G2, 1212 ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)		UPDATE ORBITAL MNVR PAD
02:00		02:00	8	< NC3 TIG (03:17) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	MNVR (TRK) -ZLV, -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK		
		04:00	9	After Mnv Complete: G2 SET CONTRACTION (ORB OPS, DPS) Single G2 PRIVATE MEDICAL CONFERENCE Perform via A/G2 06 √UHF MODE - OFF	I'CNCT RETURN (OPS2,3) (ORB PKT, RCS) FUTURE LOADED MNVR B PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	B FUTURE LOADED MNVR (-ZLV +YVV) TG=2 BV=3 OM=270 A1/AUTO/VERN (1/13:00) Init TRK	

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MSG 003A - FD02 MISSION SUMMARY

DELTA V AVAILABLE:

OMS 423 FPS
ARCS (TOTAL ABOVE QTY1) 38 FPS
 TOTAL IN THE AFT 461 FPS

ARCS (TOTAL ABOVE QTY2) 67 FPS
 FRCS (ABOVE QTY 1) 32 FPS

AFT QTY 1 84 %
 AFT QTY 2 46 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
DPS	During the pre-sleep SM checkpoint GPC 4 issued an OFF/BUSY MMU2 message and CHECKPT FAIL message.	None. The checkpoint completed successfully on the second attempt.	If conditions recurs, repeat checkpoint on same MMU.
EPS	O2 TK2 CNTL P failed OSL.	Auto heater operations for O2 TK2 lost.	Further troubleshooting will be performed. In the meantime, crew will have to perform manual heater operations when using O2 TK2.
PDRS	Transient 'S96 PDRS ABE SY' fault summary message received during direct drive of SY joint during RMS C/O. Joint drove properly with no accompanying Check CRT It on the A8 panel.	None. Direct mode is fully functional.	None. Direct mode is not required for remainder of the flight, but is available as contingency drive mode if needed.

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MSG 004 - FD02 TRANSFER MESSAGE

1 Good morning Barb, Al & Dave,
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3 The ISS crew has continued to work on 26P Unpack and 13A.1 Prepack. Final stowage
4 locations have been updated based on this work.
5
6 We are not uplinking an electronic Transfer List today. The return portion of the Transfer
7 List is not yet complete because prepack is continuing. We will uplink this file on FD03.

8
9 **For today - FD02 Choreography**

10 **Middeck**

- 11 - Transfer Prep – Sort through 5MLE bags.
- 12 - Item 20 (AI): Retrieve tile overlay bag insert from Ext A/L Floor bag and take to
- 13 SH. Install in Tile Repair Overlay 3.0 CTB at SF26.

14
15
16 **Spacehab**

- 17 - (Rick/Tracy) Retrieve RETS from 0.5 CTB at FC05 for EVA Tool Transfer Prep
- 18 - Transfer Prep - Loosen/remove straps on bags in prep for transfer.
- 19 - Item 189 (AI): Retrieve STS ergometer shoe bag from SF25 and temp stow on
- 20 MDDK

21
22
23 **Please update the Middeck Transfer List as follows:**

24
25 In **RESUPPLY** tab

26 Replace following pages:

- 27 Resupply Page 2
- 28 Resupply Page 8

29
30 In **SWAP** tab

31 Replace following pages:

- 32 Swap Page 1
- 33 Swap Page 3

34 Make the following Pen and Ink updates:

35 Swap Page 2:

- 36 Item 3 change 'Stowage at Undock' to 'LAB1P2_B2'
- 37 Item 727 change 'Initial Stowage' to 'LAB1P2_B2'

38 Swap Page 4:

- 39 Item 12.4 change 'Stowage at Undock' to 'LAB1P0'

40 Swap Page 5:

- 41 Item 739.5 change 'Initial Stowage' to 'LAB1P0'

42 Swap Page 6:

- 43 Item 741 change 'Stowage at Undock' to 'PF28'
- 44 Items 741.1-741.3 change 'Stowage at Undock' to 'PF28 (in 0.5 CTB)'

MSG 004 - FD02 TRANSFER MESSAGE

1 **Please update the Spacehab Transfer List as follows:**

2

3 Replace following pages:

4 Resupply Page 11

5 Resupply Page 17

6 Resupply Page 26

7

8 Make the following Pen and Ink updates:

9 Resupply Page 10:

10 Item 102 delete comment.

11 Item 103 change 'Stowage at Undock' to 'NOD1O1'

12 Resupply Page 18:

13 Item 142 change 'Stowage at Undock' to 'LAB1P5 under RWS'

14 Item 143 change 'Stowage at Undock' to 'LAB1P5 under RWS'

15 Resupply Page 19:

16 Item 145 change 'Stowage at Undock' to 'FGB_213 panel front'

17 Item 146 change 'Stowage at Undock' to 'FGB_215 panel front'

18 Item 148 change 'Stowage at Undock' to 'FGB_208 panel front'

19 Item 149 change 'Stowage at Undock' to 'LAB1S5 under RWS'

20 Item 151 change 'Stowage at Undock' to 'LAB1S5 under RWS'

21 Resupply Page 20:

22 Item 152 change 'Stowage at Undock' to 'LAB1D3 - opposite P/TV bags'

23 Resupply Page 22:

24 Item 159 change 'Stowage at Undock' to 'LAB1D1 rack front'

25 Item 162 change 'Stowage at Undock' to 'LAB1D1 rack front'

26 Item 163 change 'Stowage at Undock' to 'Docking Compartment'

27 Resupply Page 23:

28 Item 164 change 'Stowage at Undock' to 'FGB_210 panel front'

29 Resupply Page 24:

30 Item 171 change 'Stowage at Undock' to 'FGB_217 panel front'

31 Item 175 change 'Stowage at Undock' to 'FGB_219 panel front'

32 Resupply Page 25:

33 Item 177 change 'Stowage at Undock' to 'FGB_224 panel front'

34 Item 179 change 'Stowage at Undock' to 'FGB_224 panel front'

35 Item 180 change 'Stowage at Undock' to 'FGB_226 panel front'

36 Resupply Page 27:

37 Item 188 change 'Stowage at Undock' to 'FGB_217 panel front'

38

39 In **SWAP** tab

40 Replace following pages:

41 Swap Page 7

42 Swap Page 8

43 Make the following Pen and Ink updates:

44 Swap Page 10:

45 Item 752 change 'Stowage at Undock' to 'PF18'

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MSG 004 - FD02 TRANSFER MESSAGE

1 **For tomorrow - FD03 Choreography**

2 – Incorporate uplinked return plan in Transfer List books.

3

4 Middeck

5 – Item 46 (AI): Transfer ODF from MF57K to ISS.

6 – Items 35-42 (Rick, Dave & Oleg): Transfer EVA items from MDDK to ISS:

7 – EVA bags of stuff

8 – EMUs

9

10

11 Spacehab

12 – Item 106: (PLT) Transfer Coldbag from AC08 to ISS (to make room for returning
13 CGBA2)

14 – Items 159-163: Begin transferring PF Rack Front items to ISS.

15 – Transfer 2.0 CTB to LAB which contains spare RPCM for EVA2

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18 Middeck/Spacehab:

19 – Items 3 & 727 (PLT): Swap CGBAs (CGBA5 from MDDK to Lab; CGBA2 from LAB
20 to SH)

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24 Call us with any questions and have a great day!

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26 - The Transfer Team

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STS-118 Water Ops Cue Card

MSG 005 - WATER OPS CUE CARD

FLIGHT DAY 2							
Water Transfer Hose Purge Sample/Purge Kit S/N 1005 in SHAB FC11 <input type="checkbox"/> Place filled Purge bag in Dry Trash <input type="checkbox"/> Stow Sample/Purge Kit S/N 1005 in MF28M <input type="checkbox"/> Transfer CWC S/N 5037 in SHAB FC11 to MF28M <input type="checkbox"/> Transfer 4 Biocide syringes from Biocide Kit S/N 1005 from SHAB FC11 to MF28M <input type="checkbox"/> Transfer Mineral Kit S/N 1002 from STBD Floor 1 Bag C to MF28M <input type="checkbox"/> Stow CWC S/N 1080 and 1081 from STBD Floor 1 Bag C in MF28M							
FLIGHT DAY 3							
Simo Water Dump Waste Water and Supply Water Tanks Details for this dump will be provided in the FD3 Execute Package	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ffcc99;"> <th style="text-align: left; padding: 2px;">Condensate Setup</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> Condensate CWC in MA16D S/N 5053 Use Y-Y Hose from MA16D <input type="checkbox"/> Connect Y-Y hose to MD Floor Fitting <input type="checkbox"/> Label "Condensate" using Gray Tape </td> </tr> </tbody> </table>	Condensate Setup	Condensate CWC in MA16D S/N 5053 Use Y-Y Hose from MA16D <input type="checkbox"/> Connect Y-Y hose to MD Floor Fitting <input type="checkbox"/> Label "Condensate" using Gray Tape				
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FLIGHT DAY 4							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccffcc;"> <th style="text-align: left; padding: 2px;">CWC Fill #1 - Technical (Green Label)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> Pick from CWC's in ISS M-02 Bag S/N 1026 Biocide Kit S/N 1001 in ISS M-02 Bag S/N 1026 <input type="checkbox"/> Biocide Only, use Biocide Kit S/N 1001 <input type="checkbox"/> Sample Req'd, Stow sample in MF14E <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall) </td> </tr> </tbody> </table>	CWC Fill #1 - Technical (Green Label)	Pick from CWC's in ISS M-02 Bag S/N 1026 Biocide Kit S/N 1001 in ISS M-02 Bag S/N 1026 <input type="checkbox"/> Biocide Only, use Biocide Kit S/N 1001 <input type="checkbox"/> Sample Req'd, Stow sample in MF14E <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccffcc;"> <th style="text-align: left; padding: 2px;">CWC Fill #2 - Technical (Green Label)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> Pick from CWC's in ISS M-02 Bag S/N 1026 Use Biocide Kit S/N 1001 in MF28M <input type="checkbox"/> Biocide Only <input type="checkbox"/> No Sample Req'd <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall) </td> </tr> </tbody> </table>	CWC Fill #2 - Technical (Green Label)	Pick from CWC's in ISS M-02 Bag S/N 1026 Use Biocide Kit S/N 1001 in MF28M <input type="checkbox"/> Biocide Only <input type="checkbox"/> No Sample Req'd <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall)		
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FLIGHT DAY 5							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccffcc;"> <th style="text-align: left; padding: 2px;">CWC Fill #3 - Technical (Green Label)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> Pick from CWC's in ISS M-02 Bag S/N 1026 Biocide Kit S/N 1001 in MF28M <input type="checkbox"/> Biocide Only <input type="checkbox"/> Sample Req'd, Stow sample in MF14E <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall) </td> </tr> </tbody> </table>	CWC Fill #3 - Technical (Green Label)	Pick from CWC's in ISS M-02 Bag S/N 1026 Biocide Kit S/N 1001 in MF28M <input type="checkbox"/> Biocide Only <input type="checkbox"/> Sample Req'd, Stow sample in MF14E <input type="checkbox"/> Report S/N to MCC <input type="checkbox"/> Verify Green label in CWC window <input type="checkbox"/> Verify Green decal to CWC end <input type="checkbox"/> Verify CWC S/N on end decal <input type="checkbox"/> Temp stow Biocide Kit in MF28M <input type="checkbox"/> Transfer to NOD1P2 (Water Wall)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left; padding: 2px;">PWR Fill #1 (White Label)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> PWR S/N 1026 in SH AP04 <input type="checkbox"/> White Label in PWR window <input type="checkbox"/> Transfer to ISS A/L Floor bin and report location to MCC </td> </tr> <tr style="background-color: #cccccc;"> <th style="text-align: left; padding: 2px;">PWR Fill #2 (White Label)</th> </tr> <tr> <td style="padding: 2px;"> PWR S/N 1027 in SH AP04 <input type="checkbox"/> White Label in PWR window <input type="checkbox"/> Transfer to ISS A/L Floor bin and report location to MCC </td> </tr> </tbody> </table>	PWR Fill #1 (White Label)	PWR S/N 1026 in SH AP04 <input type="checkbox"/> White Label in PWR window <input type="checkbox"/> Transfer to ISS A/L Floor bin and report location to MCC	PWR Fill #2 (White Label)	PWR S/N 1027 in SH AP04 <input type="checkbox"/> White Label in PWR window <input type="checkbox"/> Transfer to ISS A/L Floor bin and report location to MCC
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PWR Fill #2 (White Label)							
PWR S/N 1027 in SH AP04 <input type="checkbox"/> White Label in PWR window <input type="checkbox"/> Transfer to ISS A/L Floor bin and report location to MCC							
FLIGHT DAY 6							
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Water Dump Notes: Contingency Cross Tie (WCS): - Potable QD only used for PWR Dump - Waste QD used for CWC Dump Hoses: - Use Y-Y Hose from CHCK (Window Shade Bag) and WWD Filter from BOB Locker (MF28E) for CWC Overboard Dump - Use B-B Hose with R-Y Adapter from CHCK (Window Shade Bag) from PWR Dump-Supply Line

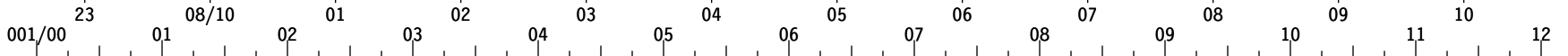
PWR Fill Notes: - Do not pull drink water from Galley during PWR Fill. - Do not detach PWR (EMU H2O Recharge Bag) QD restraint during PWR operations. - Do not overfill as the PWR could leak.

Stowage <table style="width: 100%;"> <tr style="background-color: #add8e6;"> <td style="padding: 2px;">Potable CWC's available in STBD 1 Floor 1 Bag C</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 1080 <input type="checkbox"/> 1081 </td> </tr> <tr style="background-color: #ccffcc;"> <td style="padding: 2px;">Technical CWC's available on ISS in NOD1P2, M-02 Bag S/N 1026</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 1074 <input type="checkbox"/> 1043 <input type="checkbox"/> 1076 <input type="checkbox"/> 1035 <input type="checkbox"/> 1053 <input type="checkbox"/> 1072 </td> </tr> <tr style="background-color: #ffcc99;"> <td style="padding: 2px;">Condensate CWC's available on Shuttle/SHAB</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 5053 (Launched in MA16D) <input type="checkbox"/> 5037 (Launched in SHAB FC11) </td> </tr> <tr> <td style="padding: 2px;">PWR's available in SpaceHab for EVA</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 1026 <input type="checkbox"/> 1027 </td> </tr> <tr> <td style="padding: 2px;">PWR's available on ISS for EVA</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 1023 <input type="checkbox"/> 1018 <input type="checkbox"/> 1013 </td> </tr> <tr style="background-color: #ccccff;"> <td style="padding: 2px;">PWR's available on ISS for OGS</td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> 2002 </td> </tr> </table>	Potable CWC's available in STBD 1 Floor 1 Bag C	<input type="checkbox"/> 1080 <input type="checkbox"/> 1081	Technical CWC's available on ISS in NOD1P2, M-02 Bag S/N 1026	<input type="checkbox"/> 1074 <input type="checkbox"/> 1043 <input type="checkbox"/> 1076 <input type="checkbox"/> 1035 <input type="checkbox"/> 1053 <input type="checkbox"/> 1072	Condensate CWC's available on Shuttle/SHAB	<input type="checkbox"/> 5053 (Launched in MA16D) <input type="checkbox"/> 5037 (Launched in SHAB FC11)	PWR's available in SpaceHab for EVA	<input type="checkbox"/> 1026 <input type="checkbox"/> 1027	PWR's available on ISS for EVA	<input type="checkbox"/> 1023 <input type="checkbox"/> 1018 <input type="checkbox"/> 1013	PWR's available on ISS for OGS	<input type="checkbox"/> 2002
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Water Kits:		
	Launch	Entry
Biocide Kit S/N 1005	SHAB FP10	LAB106 Rack Front
Biocide Kit S/N 1001	ISS M-02 Bag S/N 1026	SHAB AC05
Mineral Kit S/N 1002	STBD Floor 1 Bag C	STBD Floor 1 Bag C
Sample/Purge Kit S/N 1005	SHAB FC11	SHAB AC05

COLOR LEGEND	
Brown	 CWC Condensate Water
Green	 CWC Technical Water
Blue	 CWC Potable Water
Purple	 PWR Water for US OGS
White	 PWR Water for ISS EVA

GMT 08/09/07 (221)
 β=50.47
 MET Day 001



STS-118	FD02	MNV R ^	LDRI DNLK	MRLIN	PRE SLEEP	PAOSLP	EX2PSENT	NC3Δ	RCS +X BURN	PSL EEP	GZS ECT	PMC A/G	PRE SLEEP	SLEEP
	PLT HOBAUGH	A PCT U 1	RNDZ TOOLS C/O	FCMS OPS	PRE SLEEP	-ZLVV	PRE SLEEP	RCS +X BURN	-ZLVV	RITM	PRE SLEEP		SLEEP	
	MS1 CALDWELL	C/L C M R	RNDZ TOOLS C/O	EVA TOOL PREP XFER				PRE SLEEP					SLEEP	
	MS2 MASTRACCHIO		EMU XFER PREP	EVA TOOL PREP XFER				PRE SLEEP					SLEEP	
	MS3 WILLIAMS	C/L C M R	ODS RING EXT	HHL C/O	C C M A			PRE SLEEP					SLEEP	
	MS4 MORGAN	*	ODS RING EXT	XFER PREP	EXERCISE	PAOSLP		PRE SLEEP - SHAB					SLEEP	
	MS5 DREW		EMU XFER PREP	XFER PREP	FILTER CLEANING			PRE SLEEP					SLEEP	
STS	DAY/NIGHT	[Timeline bars for Day/Night]												
	ORBIT	[Timeline bars for Orbit]												
	TDRS	W -171	[Timeline bars for TDRS]											
	E -46	[Timeline bars for TDRS]												
	Z -275	[Timeline bars for TDRS]												
	ORB ATT	COMM	-ZLV -XVV		NC3							-ZLV -XVV		
NOTES	*XFER PREP ^COMM *ESP-3 HEATER *Crew Choice *INTERCONNECT *ACT													

MSG 007 - FD02 SPACEHAB VIEWPORT VIOLATIONS

1
2 Here are your FD02 SPACEHAB viewport violations. Post this next to the SPACEHAB
3 viewport.
4

<u>MET</u>	<u>CONSTRAINT</u>	<u>ACTION</u>
0/18:15 – 0/18:30	Deep Space	If Viewport open, HTR - ON
1/00:00 – 1/00:35	Sun in FOV	If Viewport open, HTR - OFF
1/01:00 – 1/02:05	Sun in FOV	Close Viewport cover, HTR - OFF

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6 There are no flight plan callouts for viewport actions.
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