

# STS-126/ULF2

## FD 05 Execute Package



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034A	1 - 13	<a href="#">FD05 Flight Plan Revision</a> (pdf)
035A	14 - 15	<a href="#">FD05 Mission Summary</a> (pdf)
036	---	<a href="#">FD05 Transfer Message</a> (pdf - Electronic Only)
037	16 - 17	<a href="#">FD04 MMT Summary</a> (pdf)
038A	---	<a href="#">Stowage Locations for FD05 (GMT 323)</a> (pdf - Electronic Only)
039	---	<a href="#">WRS ORU Handling Constraints</a> (pdf - Electronic Only)

Approved by FAO: M. Blanton 

Last Updated: Nov 18 2008 12:28PM GMT  
JEDI (Joint Execute package Development and Integration), v2.04.0003

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MSG 034A - FD05 FLIGHT PLAN REVISION

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MSG INDEX

<u>MSG NO.</u>	<u>TITLE</u>
034	FD05 Flight Plan Revision
035	FD05 Mission Summary
036	FD05 Transfer Message (18-0240)
037	FD04 MMT Summary
038	Stowage Locations for FD05 (GMT 323) (18-0237)
039	WRS ORU Handling Constraints (18-0238)

1. For today's cryo config, O2 tanks 1, 3 and 4 will be active with dual heaters and H2 tanks 1 and 5 will also be active with dual heaters.

R1 O2,H2 MANF VLV TK1 (two) - OP (tb-OP)  
O2 TK3 HTRS A,B (two) - AUTO

A11 CRYO TK4 HTRS O2 A,B (two) - AUTO  
H2 A,B (two) - OFF

A15 CRYO TK5 HTRS O2 A,B (two) - OFF  
H2 A,B (two) - AUTO

2. On Flight Day 2, a crewmember reported an issue with the Middeck speaker producing a lot of static. Can you provide further clarification on this issue? Have you used it since then, and if so, has there been static on the speaker at all times?

3. Should a contingency arise such that either the NTA can not be removed from ESP3 or can not be installed in the payload bay the following SSRMS Contingency procedures are available on board ISS in IPV:

Uplinked Procedures: US SODF: Robotics: 18-0229 - EVA Contingency - NTA Install On ESP-3 FRAM 3

Uplinked Procedures: US SODF: Robotics: 18-0230 - EVA Contingency - FHRC Install On ESP-3 FRAM 6

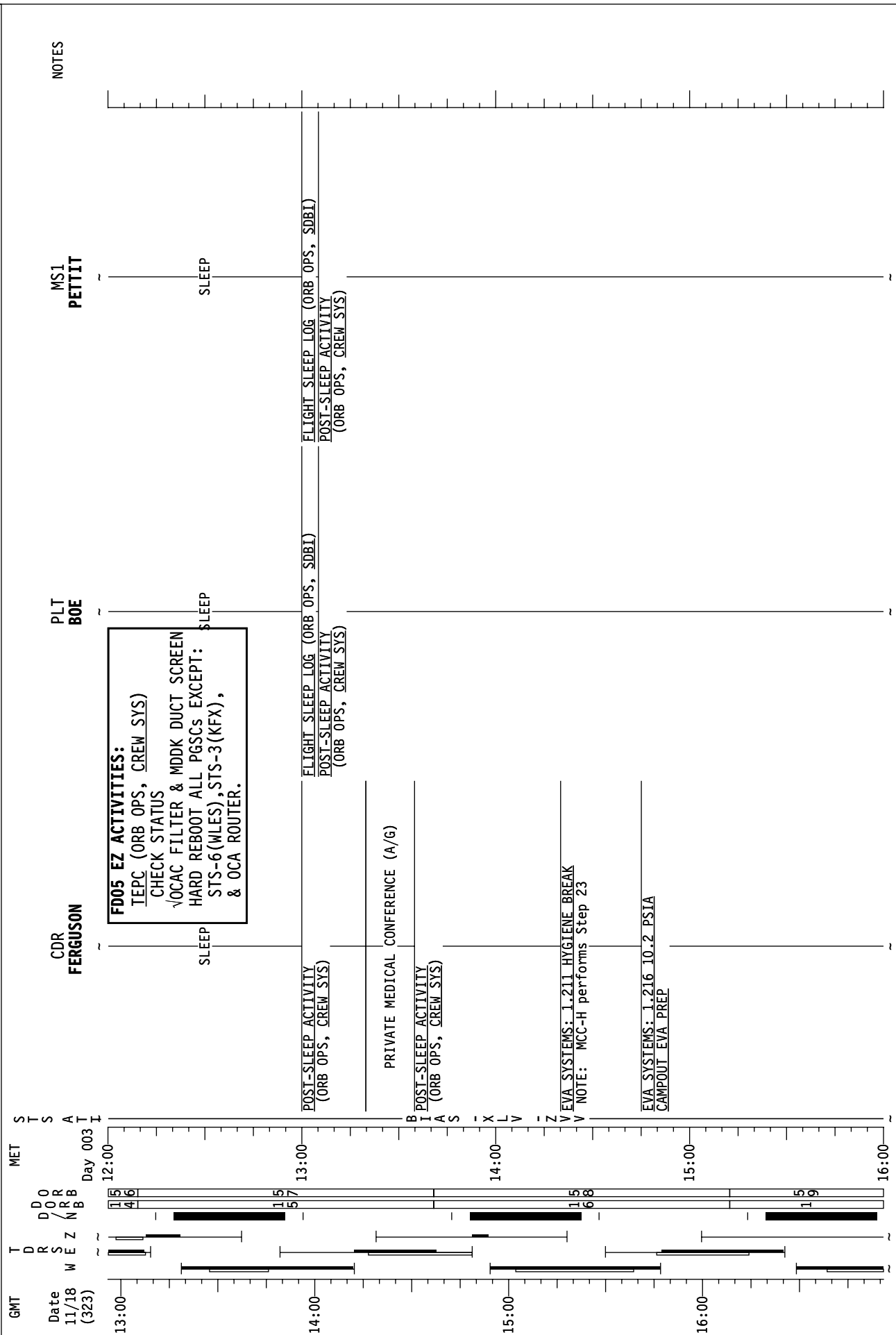
4. Replace pages 3-44 through 3-53.





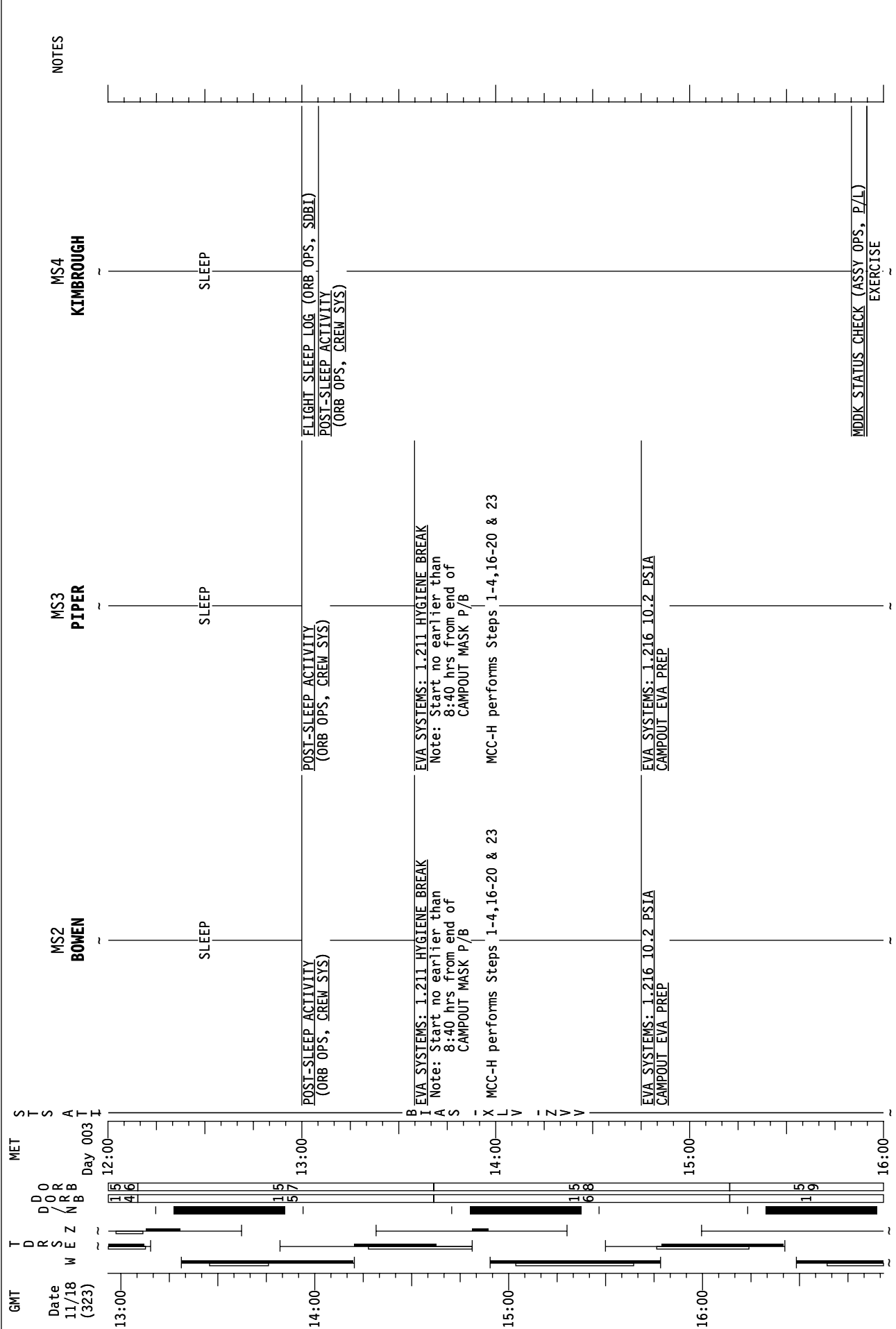
# STS-126 FD (05)

**REPLANNED**



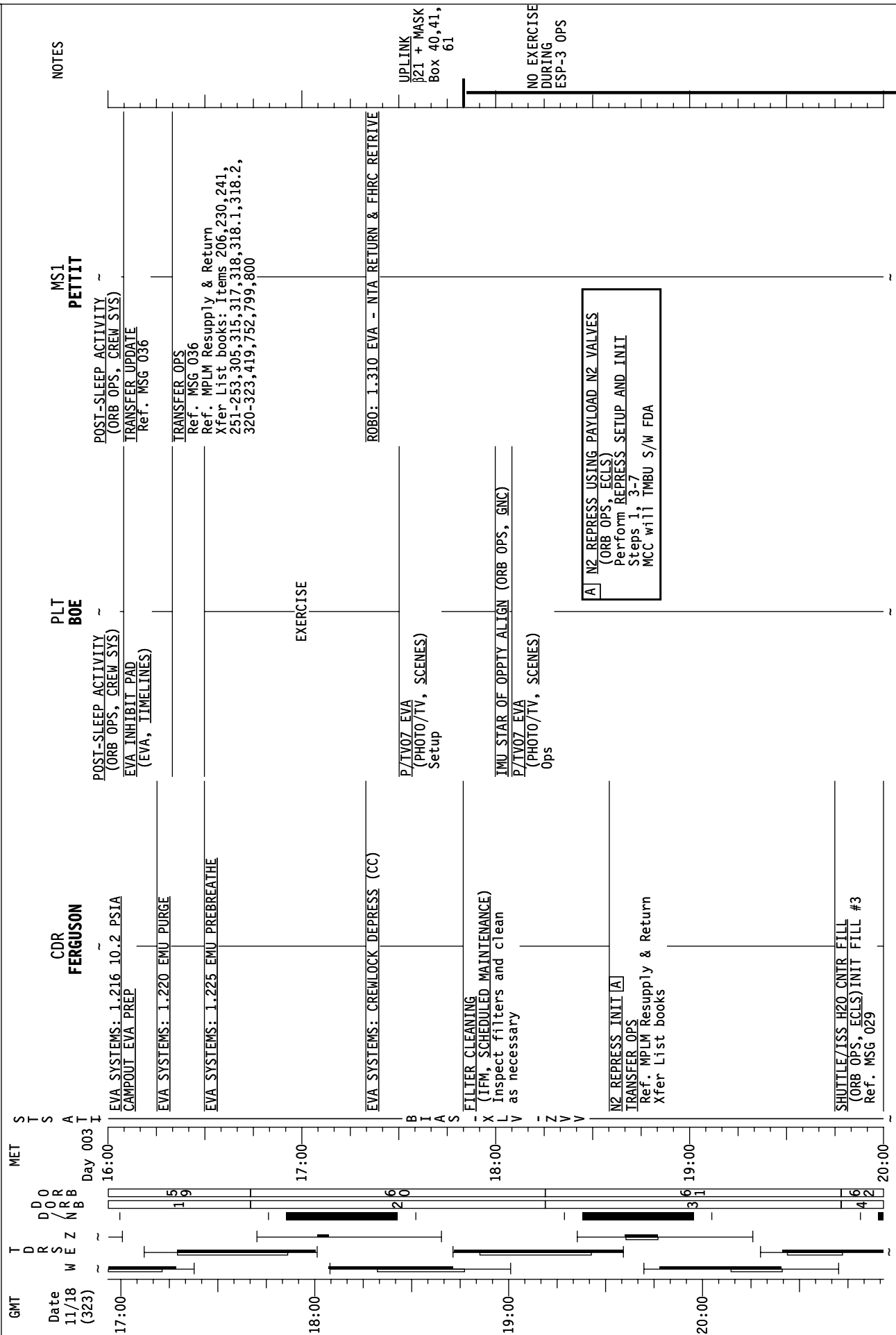
STS-126 FD (05)

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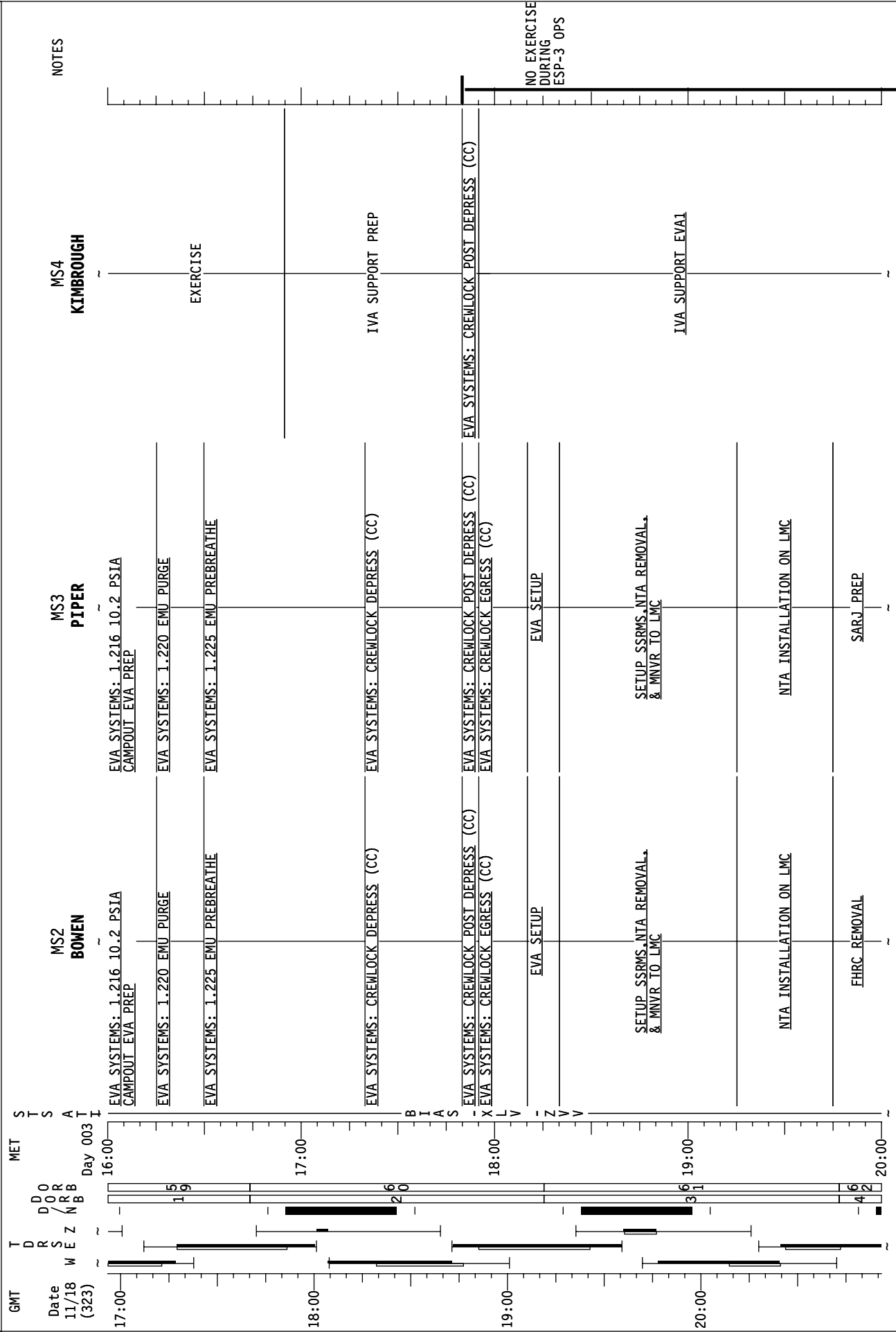
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# STS-126 FD (05)

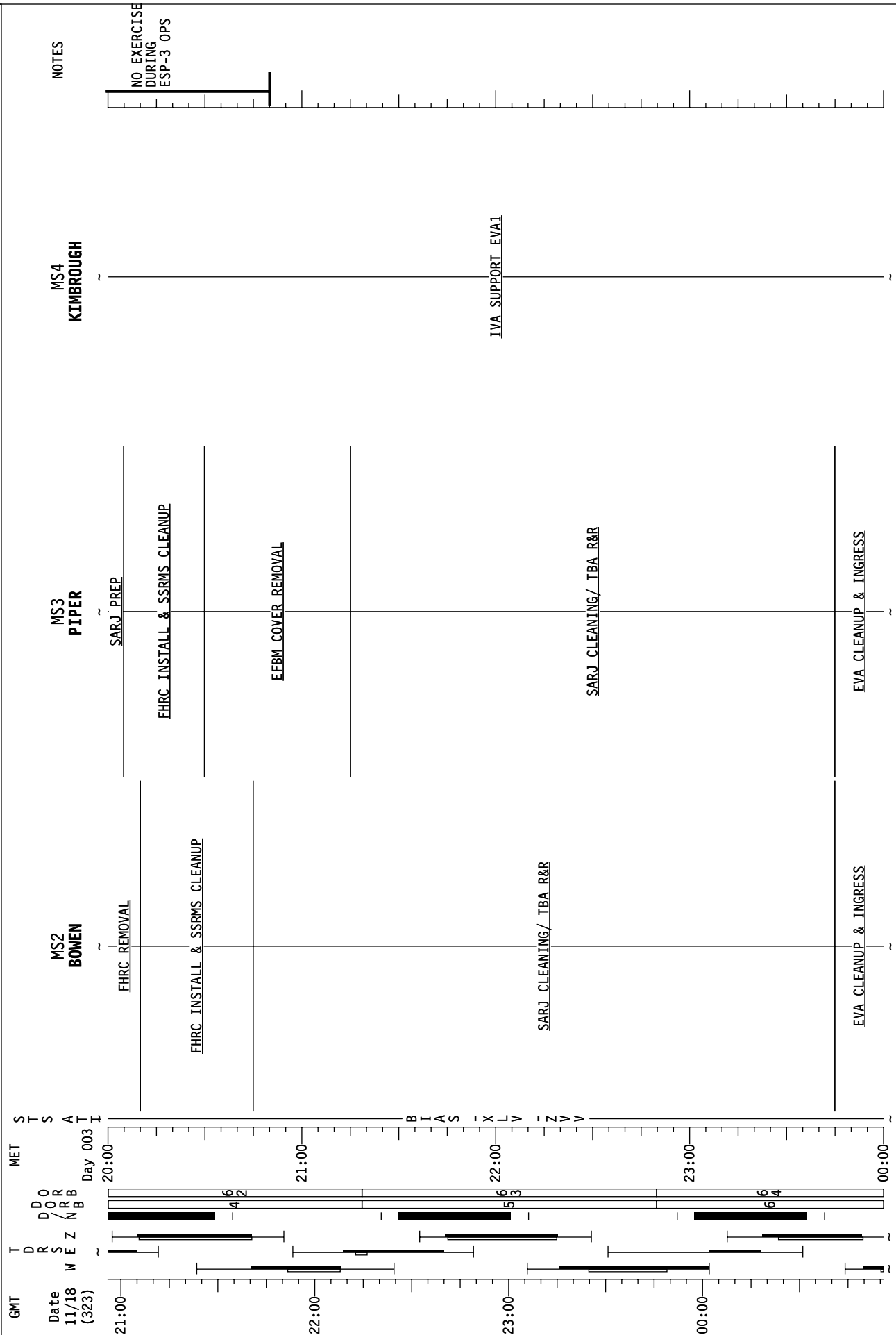
**REPLANNED**





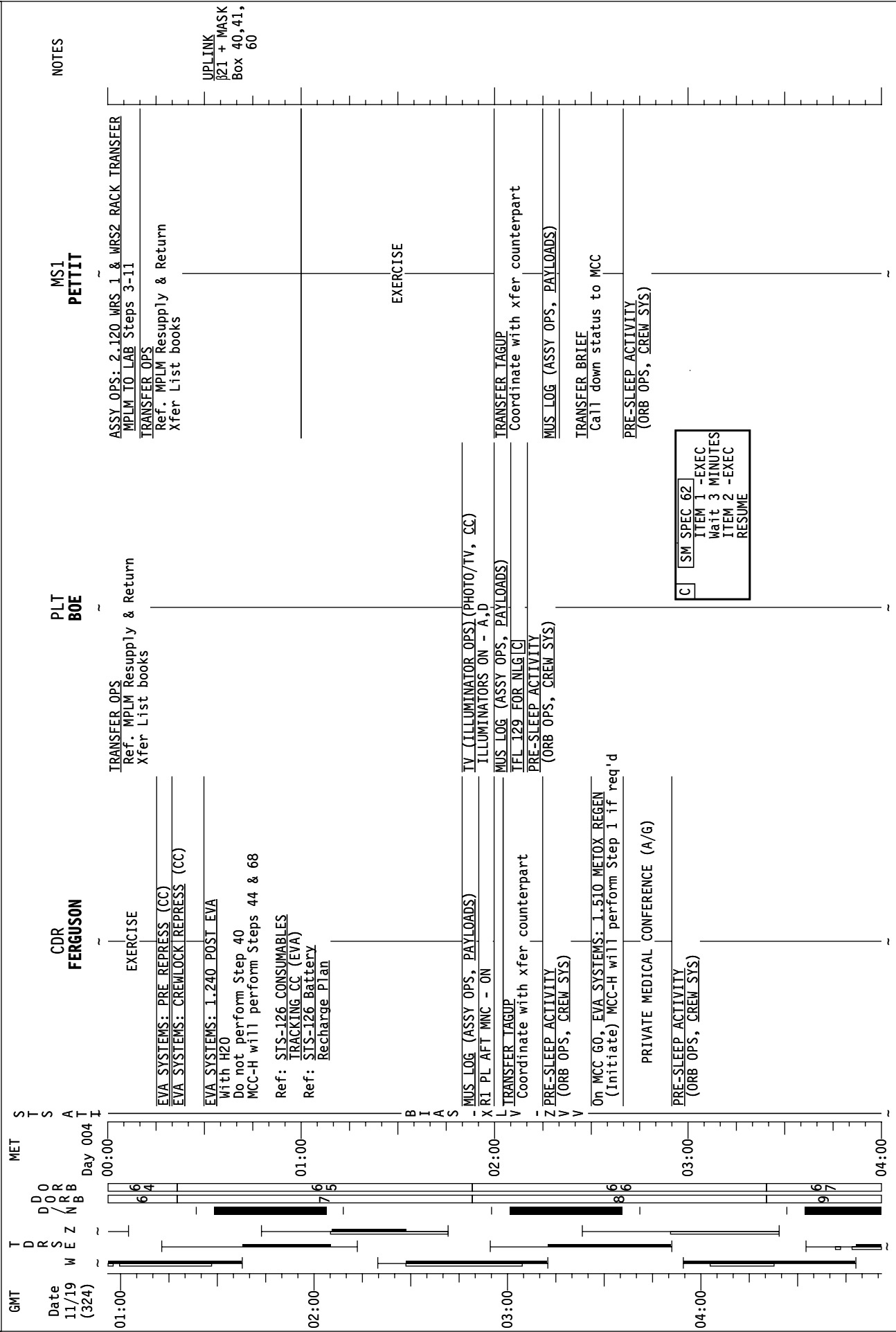
STS-126 FD (05)

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STS-126 FD (05)

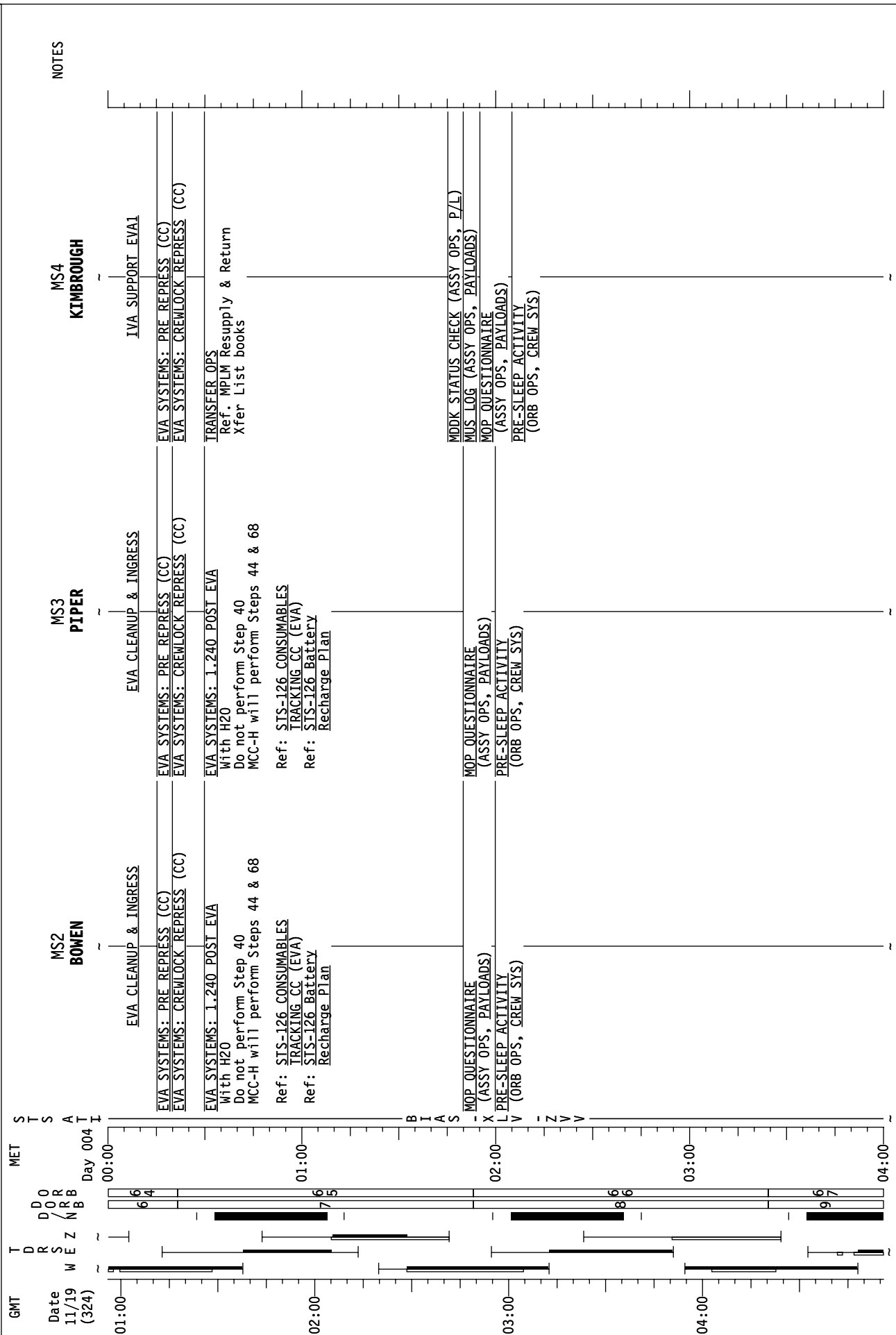
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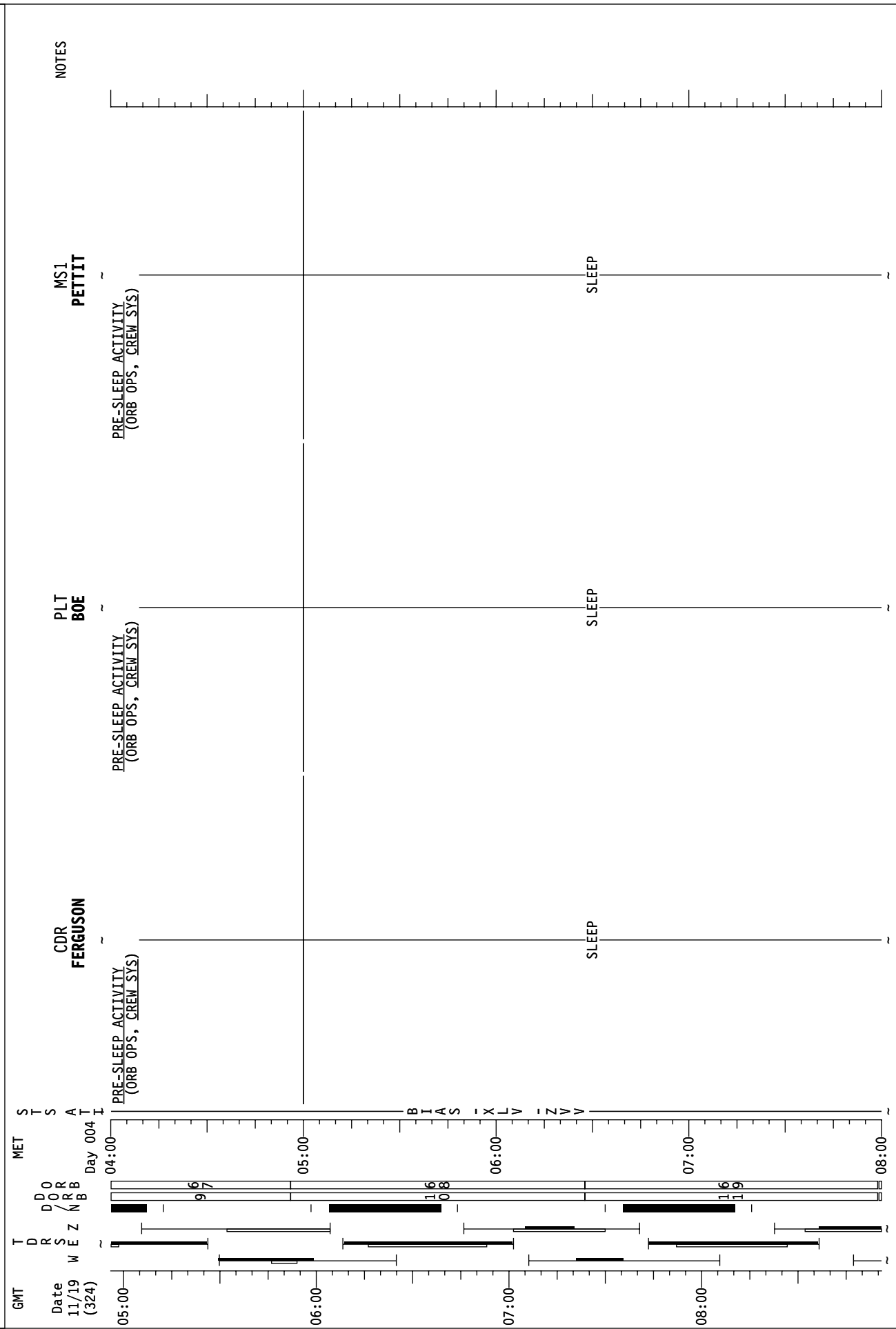
C SM SPEC 62  
ITEM 1 -EXEC  
Wait 3 MINUTES  
ITEM 2 -EXEC  
RESUME

STS-126 FD (05)

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STS-126 FD (05) REPLANNED

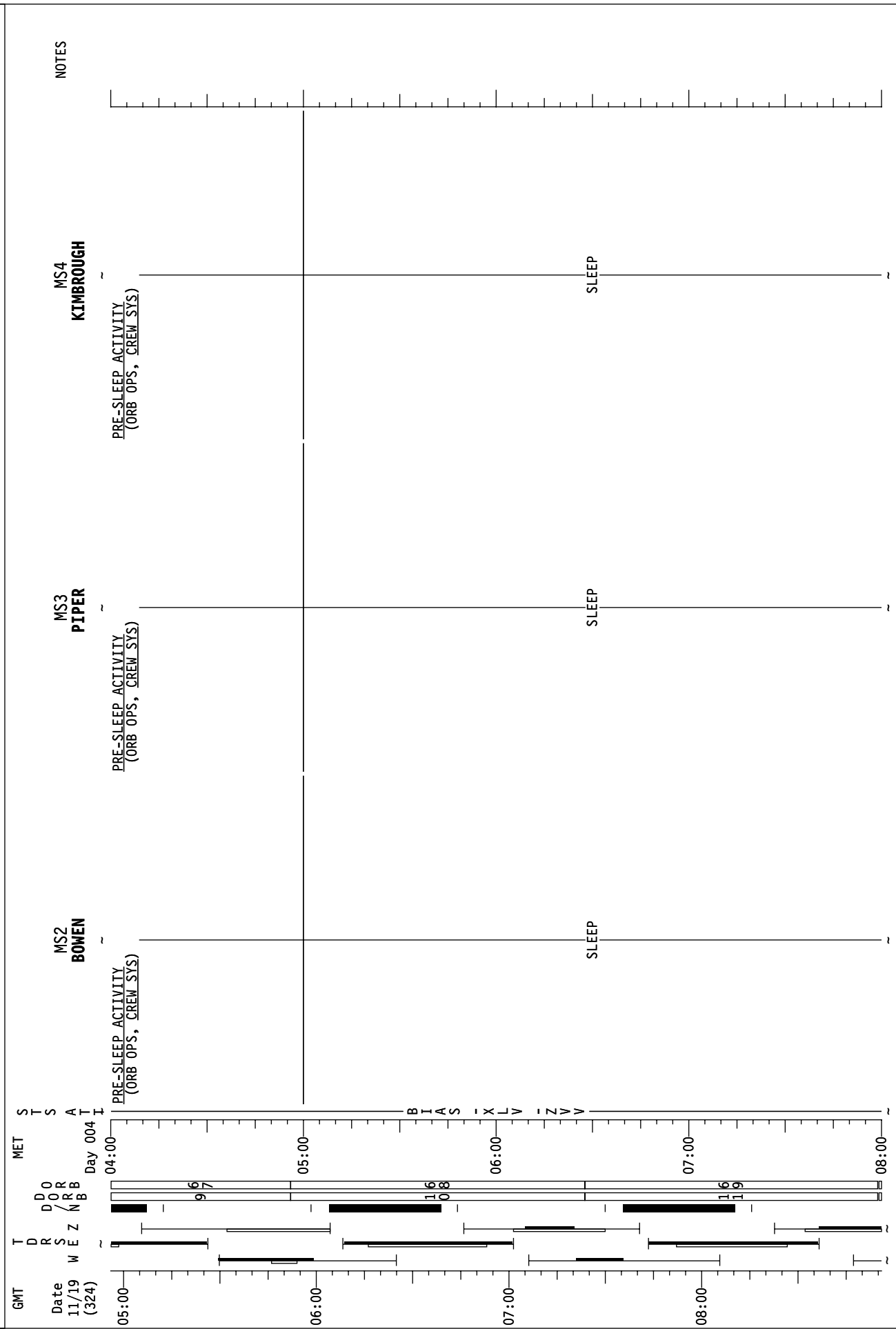


FLT PLN/126/FLIGHT

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STS-126 FD (05)



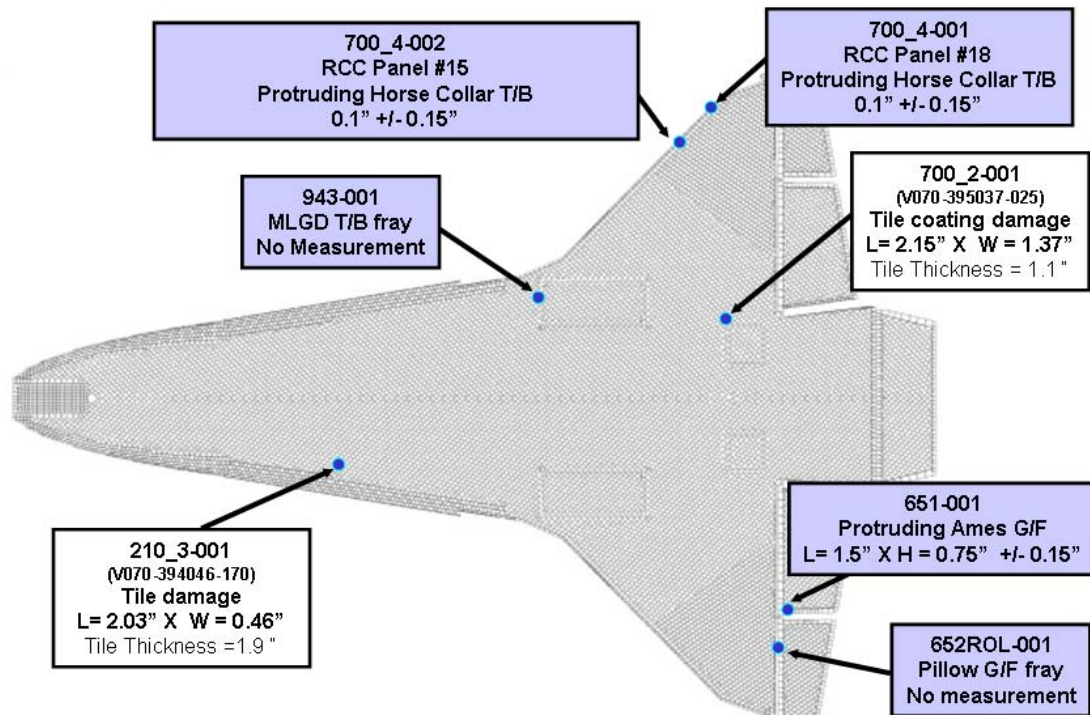
MSG 037 - FD04 MMT SUMMARY

1 The MMT met today to review mission progress and orbiter systems status. The mission is  
2 progressing quite well and Endeavour is performing well.

3  
4 **Orbiter Systems** - Endeavour is performing well and there were no significant discussion  
5 about any of the system anomalies. The stuck ODS damper during docking was briefly  
6 discussed, but that is something that has occurred before and there is no concern with the  
7 ODS. The following new anomalies were briefly discussed and none of these pose any  
8 issue for the rest of the mission: GNC bypass of the Ku-band radar data, forward EVA winch  
9 handle is unstowed, and slight mid-deck speaker static. It was noted that the Ku-band  
10 antenna did perform nominally in radar mode.

11  
12 **Damage Assessment Team** - Analysis of the ascent imagery, FD02 inspection data and  
13 the RPM photos is nearly complete. For the RCC, the team has cleared all of the Regions  
14 of Interest; therefore, the RCC is considered clear for entry. For the rest of the TPS, there  
15 are 13 Regions of Interest identified. 5 of these ROIs are damage to tile, but none of the  
16 observed damage is significant and all is within our experience base. The team is still  
17 performing their rigorous analysis of these areas and expects to be complete with the  
18 damaged tile assessments by tomorrow's MMT. The other 8 ROIs are due to thermal  
19 barriers and gap fillers. 7 of these have already been cleared, but the 15" gap filler  
20 protrusion on the ROMS pod requires additional work. The team is not concerned about this  
21 gap filler, but wants to fully assess this longer than previously observed OMS pod gap filler.  
22 Also, no Focused Inspection will be required for any of these ROIs.

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Figure 1 - Orbiter Lower Surface



MSG 037 - FD04 MMT SUMMARY

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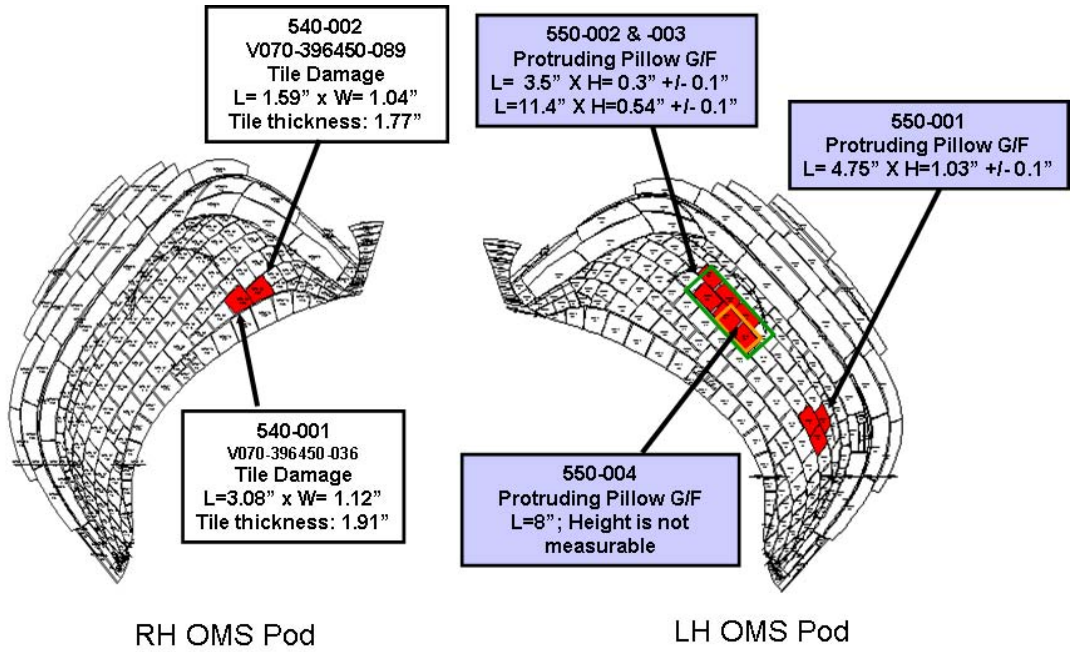


Figure 2 - OMS Pod

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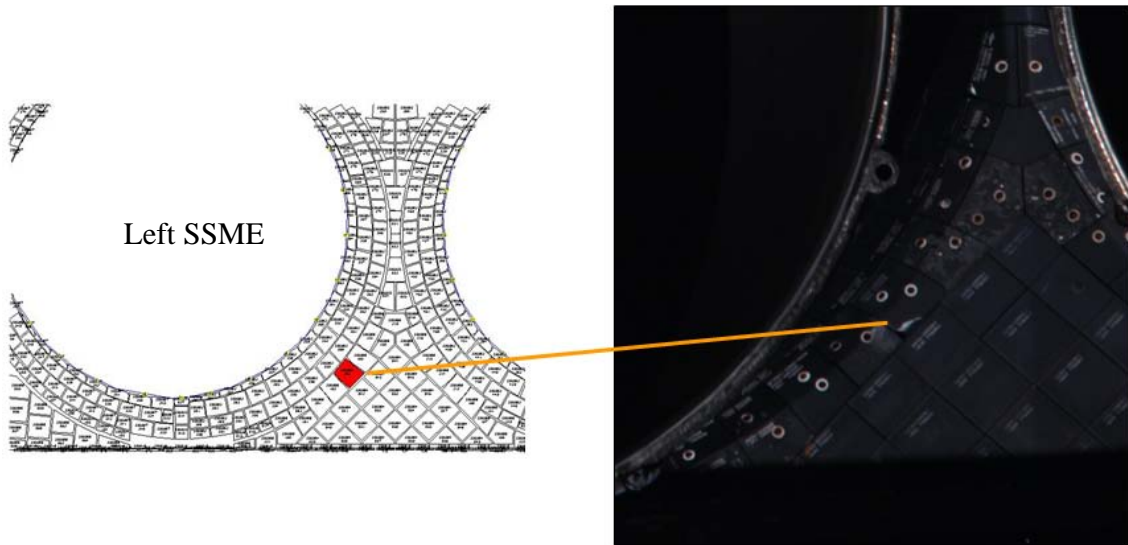


Figure 3 - Dome Heat Shield

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END OF PAGE 2 OF 2, MSG 037