

STS-126/ULF2

FD 08 Execute Package



MSG	Page(s)	Title
062A	1 - 13	FD08 Flight Plan Revision (pdf)
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066A	19	FD08 Reboost Procedure (pdf)
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070	23	Updated EVA3 Summary Timeline (pdf)
071	24	Crew Choice Video Downlink Options (pdf)

Approved by FAO: M. Blanton

Handwritten signature of M. Blanton in black ink.

Last Updated: Nov 21 2008 1:45PM GMT
JEDI (Joint Execute package Development and Integration), v2.04.0003

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MSG 062A - FD08 FLIGHT PLAN REVISION

<u>MSG NO.</u>	<u>TITLE</u>
062	FD08 Flight Plan Revision
063	FD08 Mission Summary
064	FD08 Transfer Message (18-0268)
065	FD08 PAO Event Summary (18-0270)
066	FD08 Reboost Procedure
067	Stowage Locations for FD08 (GMT 326) (18-0271)
068	EVA 3 SARJ Cue Card (18-0274)
069	FD 08 EVA Deltas (18-0272)
070	Updated EVA3 Summary Timeline (18-0273)
071	Crew Choice Video Downlink Options

1. For today's cryo config, the cryo system will be configured to minimize the effects of destratification prior to the reboost. O2 tanks 2, 3, and 5 will be active, and H2 tanks 2 and 5 will be active. Following the reboost, we will reconfigure the cryo system back to the standard plan.

R1 O2, H2 MANF VLV TK2 (two) - OP (tb-OP)
O2 TK3 HTRS A, B (two) - AUTO

2. **Shane:** During the NLP-Cells ACT2 activity today, you will be activating GAP #3. After GAP #3 activation is completed, please retrieve GAP #7 and place inside a ziplock bag and restow it in its original location. GAP #7 was reported as suspect during activation and after reviewing the pictures you downlinked the PD has confirmed the internal FPA has breached its first level of containment. You can find spare ziplock bags in MF28K (inside the center of the NLP-Vaccine GAPS).

3. **FD07 MMT Summary:** The MMT met to discuss mission status and the team continues to be very happy with the state of both vehicles. The SRB video has been collected and is in review. EVA 2 was in progress at the time of the meeting. There are no new issues that are being worked by the team.

4. **Don:** Do you have a status on yesterday's activity to locate the spare CPA 4 (P/N 2355260-3-1, Stowed JLP1S2 - 1.0 CTB #1361)? We are still coordinating with JAXA to potentially use this CPA for MPLM demate.

5. We copied your words about the "warbled" C&W tone during the Russian smoke alarm on FD 6. The tone was expected. There are two paths for receiving C&W tones from the Station to the Shuttle: OIU and PAGE. The OIU path takes the tone from ISS and generates an SM Alert Tone annunciation and a Fault Summary message. This path is inhibited by MCC command during all flights. The PAGE path takes the C&W tone from the ISS audio system and transmits the tone to Shuttle via the DAIU. That is the source of the "warbled" tone you heard, and provides confirmation that the DAIU PAGE Channel was functional.

6. We got your call about the Crew Choice Video Downlink. Please reference MSG 071 and let us know which time works best for you. Please give the ground 30 minutes to configure for HD video.

7. REPLACE PAGES 3-80 THROUGH 3-89.

REPLANNED

FD08
GMT 11/21/08 (326)
MET Day_006

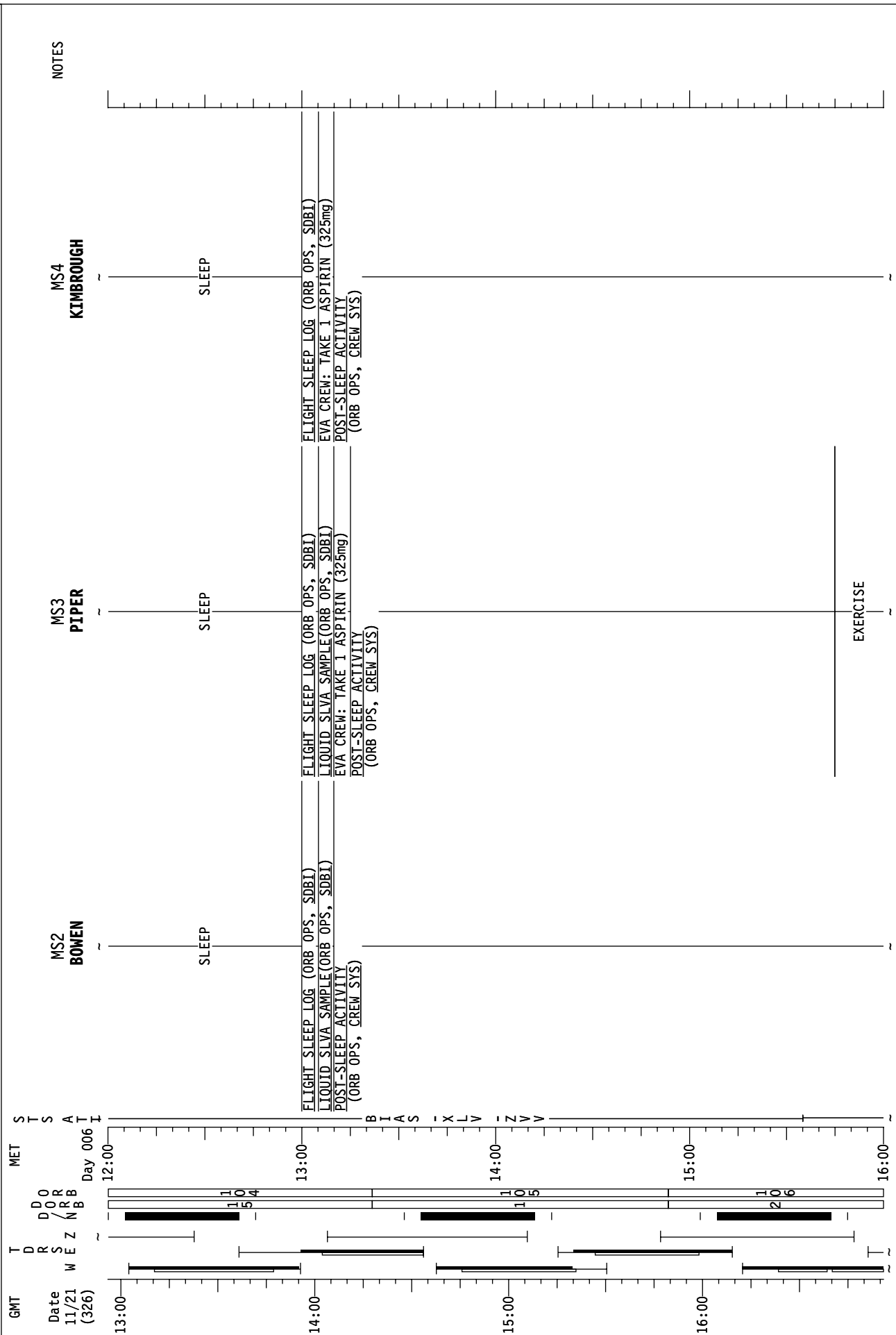
13 12 13 14 15 16 17 18 19 20 21 22 23 11/22 23 007/00

S	CDR FERGUSON	SLEEP	POST SLEEP	REBOOST CONFIG 3	MT NEVA INSPECT	IM	IO	IMPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	EXERCISE	CI WN CI #7	MPLM XFER
	R1 PLT BOE	SLEEP	POST SLEEP	REBOOST CONFIG 3	PMR W P X C W F S I R #1 *	W P X C W F S I R #1 *	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	MPLM XFER	EXERCISE	MPLM XFER
T	R3 MS1 PETTIT	SLEEP	POST SLEEP	REBOOST CONFIG 3	ETVCG ASSEMBLY	ETVCG ASSEMBLY	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	EXERCISE	MPLM XFER	MPLM XFER
S	EV2 MS2 BOWEN	SLEEP	POST SLEEP	REBOOST CONFIG 3	EMU SWAP	EMU SWAP	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	E-LK PREP	TOOL CONFIG	MPLM XFER
1	EV1 MS3 PIPER	SLEEP	POST SLEEP	REBOOST CONFIG 3	EMU SWAP	EMU SWAP	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	E-LK PREP	TOOL CONFIG	MPLM XFER
2	R2/EV3 MS4 KIMBROUGH	SLEEP	POST SLEEP	REBOOST CONFIG 3	ETVCG ASSEMBLY	ETVCG ASSEMBLY	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MEAL	OFF DUTY	MPLM XFER	EXER	MPLM XFER
6	FE-2 CHAMITOFF	SLEEP	POST SLEEP	REBOOST CONFIG 3	ETVCG ASSEMBLY	ETVCG ASSEMBLY	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MIDDAY-MEAL	OFF DUTY	RED H/O	HANDOVER	MPLM XFER
D	ISS CDR FINCKE	SLEEP	POST SLEEP	REBOOST CONFIG 3	UPA FILL INSTL	UPA FILL INSTL	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MIDDAY-MEAL	OFF DUTY	TVIS	EXERCISE RED	MPLM XFER
N	FE-1 LONCHAKOV	SLEEP	POST SLEEP	REBOOST CONFIG 3	P60-3-3-RMV	P60-3-3-RMV	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MIDDAY-MEAL	OFF DUTY	VELO	TVIS	MPLM XFER
I	FE-2 EXP18 MAGNUS	SLEEP	POST SLEEP	REBOOST CONFIG 3	TOCA INSTL	TOCA INSTL	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MIDDAY-MEAL	OFF DUTY	RED H/O	HANDOVER	MPLM XFER
S	DAY/NIGHT ORBIT	SLEEP	POST SLEEP	REBOOST CONFIG 3	JJA RRC MMT CURNT MON	JJA RRC MMT CURNT MON	IO	MPLM XFER	CREW CONF	CP RH EO WT O	MIDDAY-MEAL	OFF DUTY	RED H/O	HANDOVER	MPLM XFER
U	TDRS	-171.0	-46.0	-275.0											
P	ORB ATT														

BIAS -XLV -ZVW REBOOST #STATUS CHECK *COMPACT *TERM @3TEKTP *TOCA INSTL *KU-BAND-PS-T/S

STS-126 FD (08)

REPLANNED



REPLANNED

STS-126 FD (08)

GMT	Date 11/21 (326)	TDRS W E Z	MET Day 006 I	CDR FERGUSON	PLT BOE	MS1 PETTIT	NOTES
17:00				AUTO REBOOST Ref. MSG 066 CONFIG 3	AUTO REBOOST Ref. MSG 066 CONFIG 3	TRANSFER OPS Ref. MSG 064 Ref. MDDK & MPLM Resupply & Return Xfer List books: Items 15, 16, 137, 214, 237, 248, 249, 250, 294, 312, 726, 770, 771, 772	
17:00				MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=160 Y=354 OM=177 B12/AUTO/VERN Init TRK When in attitude, select DAP A FILTER CLEANING (IFM, SCHEDULED MAINTENANCE) Inspect filters and clean as necessary	PMR FILL (ORB OPS, ECLS) Init Fill #1 Ref. MSG 029		
17:00				IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	WCS COMPACTOR OPS (DUAL-VANE) (CUE CARD) PMR TRANSFER Transfer 1 PMR to ISS	EXERCISE	
18:00				TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books		
18:00				JOINT OPS: 3.111 HANDOVER ATTITUDE X CONTROL ORBITER to CMG 1A L TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books			
19:00							
20:00				CREW CONFERENCE Ref. MSG 065	CREW CONFERENCE Ref. MSG 065	CREW CONFERENCE Ref. MSG 065	
20:00				CREW PHOTO	CREW PHOTO	CREW PHOTO	

STS-126 FD (08)

REPLANNED

GMT	Date 11/21 (326)	TDRS W E Z	MET Day 006 I	MS2 BOWEN	MS3 PIPER	MS4 KIMBROUGH	NOTES
17:00			16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) MDDK STATUS CHECK (ASSY OPS, P/L)	
17:00			17:00	EXERCISE	EXERCISE	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	
17:00			17:00	EXERCISE	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books		
17:00			17:00	ITEM: 1.2.200 ETVCG ASSEMBLY Ref. MDDK Transfer List Item 15, 16 Ref. MPLM Resupply Transfer List: Item 137		ITEM: 1.2.200 ETVCG ASSEMBLY Ref. MDDK Transfer List Item 15, 16 Ref. MPLM Resupply Transfer List: Item 137	
18:00			18:00	EVA SYSTEMS: 1.510 METOX REGENERATION (Terminate), Perform steps 16-27 Ref: STS-126 CONSUMABLES TRACKING CC (EVA)		EVA SYS: 1.605 BSA BATTERY RECHARGE (Terminate), Perform steps 14-16 and 19-21 Ref: STS-126 CONSUMABLES TRACKING CC (EVA)	
18:00			18:00	EXERCISE	EXERCISE		
18:00			18:00	EMU SWAP FOR EVA 3 (EVA, AIRLOCK CONFIG)	EMU SWAP FOR EVA 3 (EVA, AIRLOCK CONFIG)		
18:00			18:00	EVA SYSTEMS: 1.515 EMU METOX/LIOH/BATTERY REPLACEMENT Install LIOH canisters Ref: STS-126 CONSUMABLES TRACKING CC (EVA)		TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	
19:00			19:00	EXERCISE	EXERCISE		
19:00			19:00	CREW CONFERENCE Ref. MSG 065	CREW CONFERENCE Ref. MSG 065	CREW CONFERENCE Ref. MSG 065	
20:00			20:00	CREW PHOTO	CREW PHOTO	CREW PHOTO	

REPLANNED

STS-126 FD (08)

GMT	Date 11/21 (326)	DRS W E Z	T D O R S / R B	MET Day 006 I	CDR FERGUSON	PLT BOE	MS1 PETTIT	NOTES
21:00					CREW PHOTO	CREW PHOTO	CREW PHOTO	
21:00			1509		MEAL	MEAL	MEAL	
22:00					OFF DUTY	OFF DUTY	OFF DUTY	
22:00			1610					
23:00					TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	
23:00					EXERCISE			
00:00			1711		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) INIT FILL #7 Ref. MSG 029	EXERCISE		
00:00					TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	

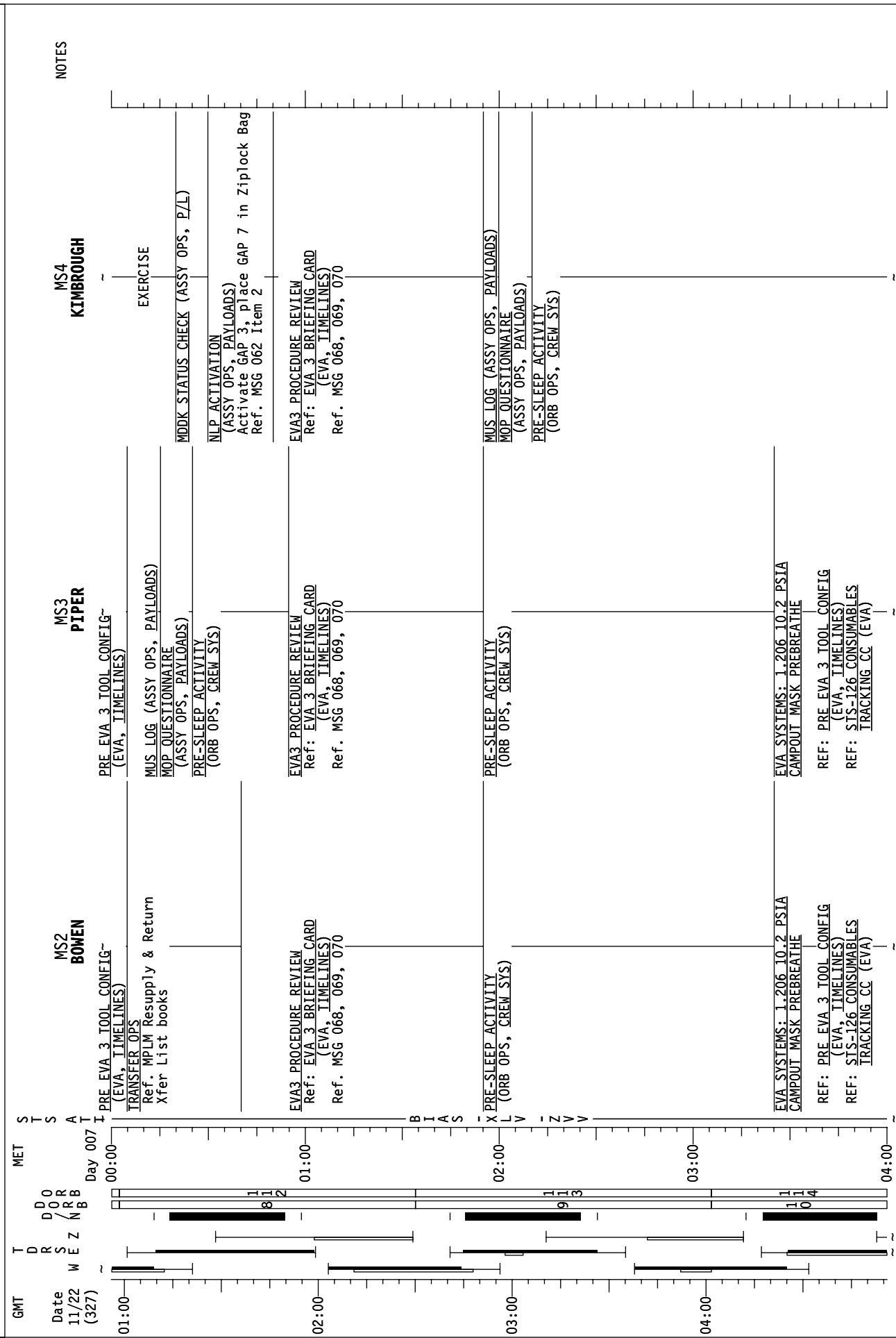
REPLANNED

STS-126 FD (08)

GMT	MS2 BOWEN	MS3 PIPER	MS4 KIMBROUGH	NOTES
21:00	CREW PHOTO	CREW PHOTO	CREW PHOTO	
21:00	MEAL	MEAL	MEAL	
22:00	OFF DUTY	OFF DUTY	OFF DUTY	
22:00	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 not req'd Ref: STS-126 CONSUMABLES TRACKING CC (EVA)	EVA SYSTEMS: 1.305 EQUIPMENT LOCK PREP Steps 1-3 not req'd Ref: STS-126 CONSUMABLES TRACKING CC (EVA)	TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books	
23:00	PRE EVA 3 TOOL CONFIG (EVA, TIMELINES) Ref. MSG 072	PRE EVA 3 TOOL CONFIG (EVA, TIMELINES) Ref. MSG 072		
00:00	EXERCISE			

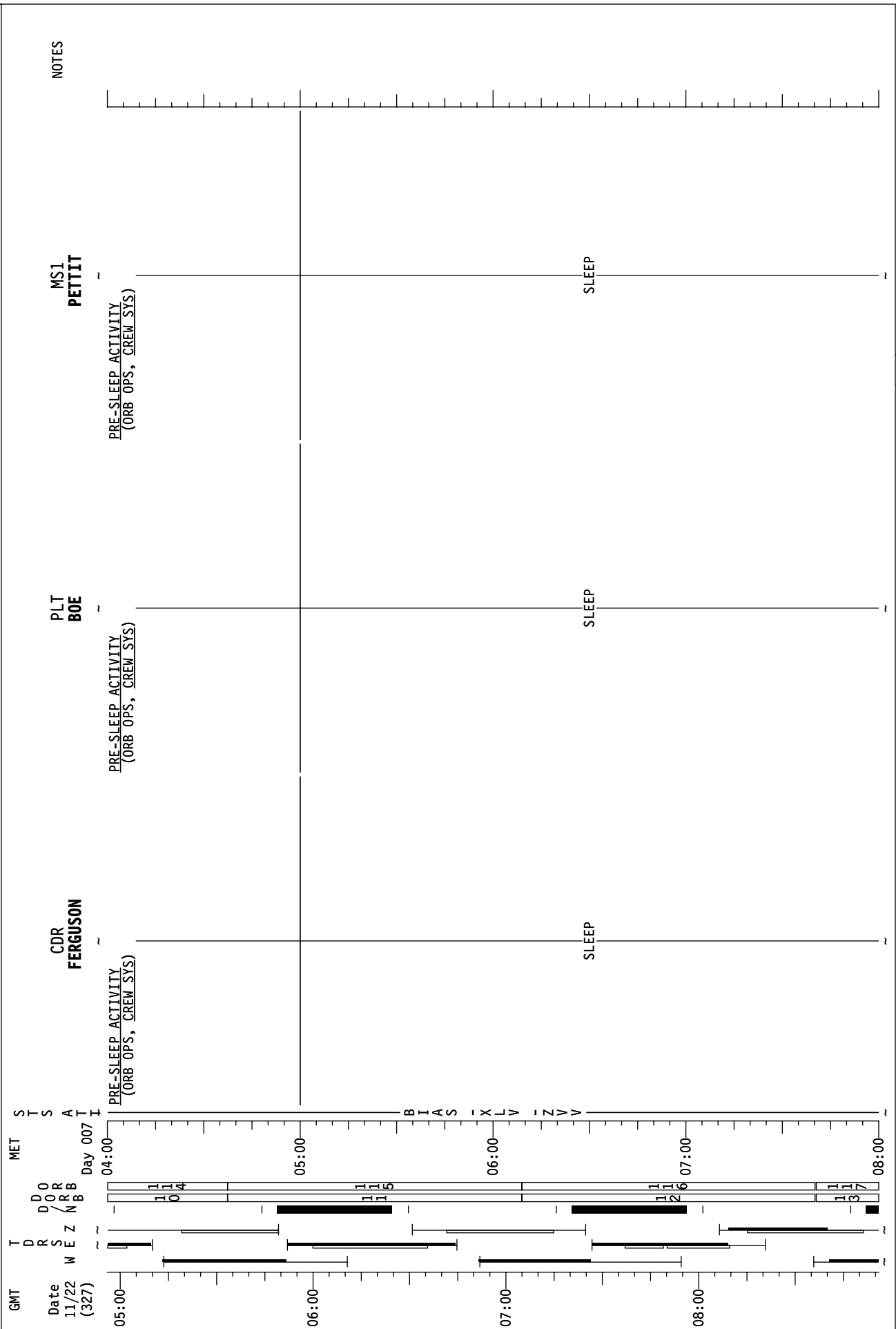
REPLANNED

STS-126 FD (08)



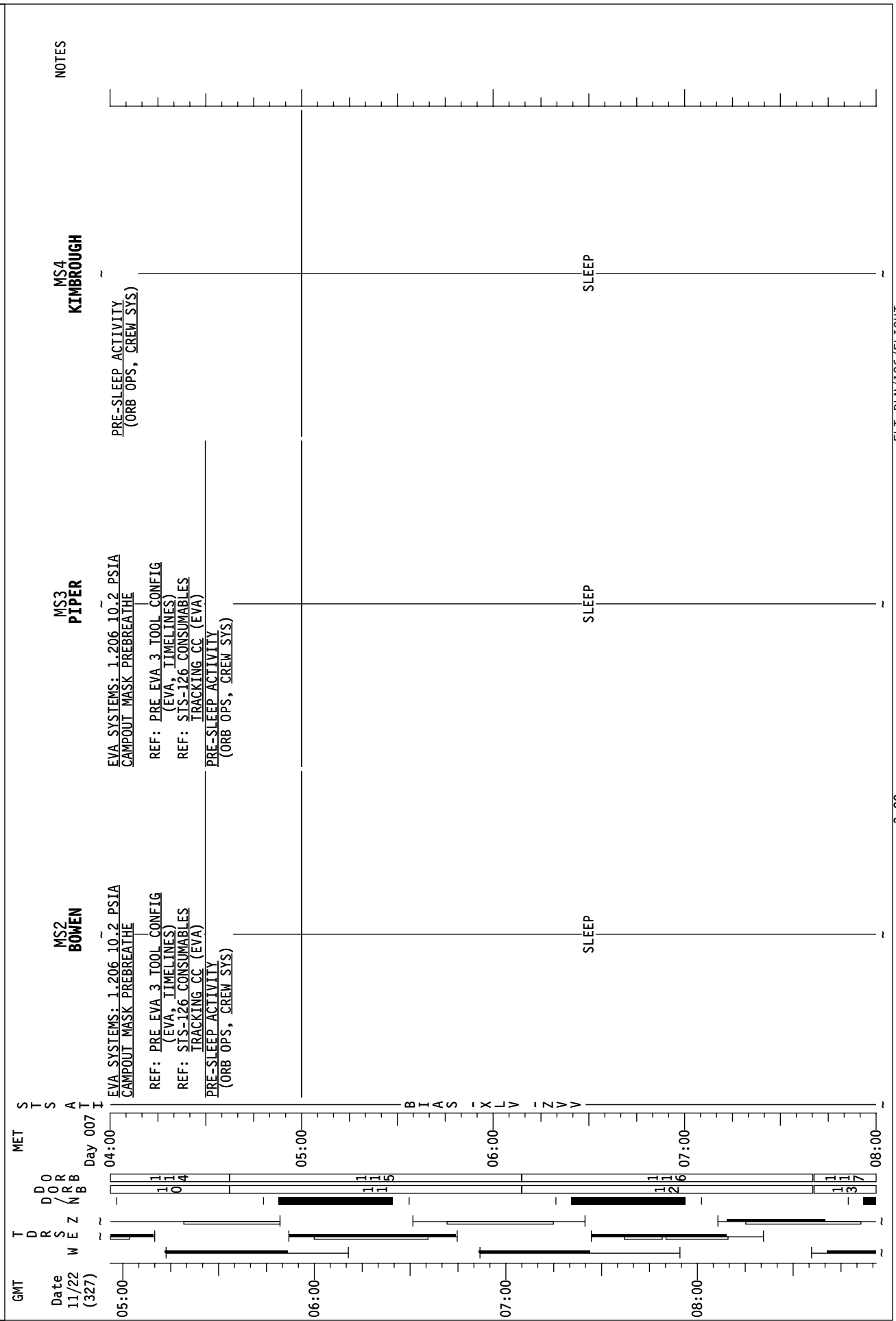
REPLANNED

STS-126 FD (08)



REPLANNED

STS-126 FD (08)



MSG 063 - FD08 MISSION SUMMARY

1 Good Morning Endeavour!!!
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3 Due to your efforts, outstanding is beginning to seem normal!
4
5 Have a great day!

6
7
8 YOUR CURRENT ORBIT IS: 194 X 186 NM
9

10 NOTAMS:

11
12 **NOTAMS - THREE CHANGES**

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14 **MRN – RWY 20 THLD DISPL 3,000'. RWY 20 LDA 8,800'.**
15 **HAW – RWY 13 THLD DISPLACED, 9,019' USABLE; TIL 21 NOV 1100Z.**
16 **YHZ – RWY 05/23 CLOSED 24 NOV 1100Z - 26 NOV 1600Z.**
17 EDW – EDT IN USE FOR STS-126. EDW ELS DAY / VFR ONLY.
18 EDW – LAKEBED RUNWAY 15/33 ELS ONLY. OTHER LAKEBED RWYS RED.
19 NOR – LAKEBED RUNWAYS GREEN.
20 ZZA – 20' HIGH BARRIER IN OVERRUN OF RWY 30L. LDA 12,200'.
21 DOV – RWY 14/32 CLOSED.
22 AMB – RWY 15/33 CLOSED.
23 YYT – RWY 16/34 CLOSED.
24 IKF – NOT USABLE. NO AGREEMENT.
25 BEN – NOT RECOMMENDED/NOT SUPPORTED.
26
27
28

29 NEXT 2 PLS OPPORTUNITIES:

30
31 EDT04L ORB 111 – 6/23:24 SCT200 7 050/04P07
32 EDT22R ORB 126 – 7/22:15 FEW250 7 240/03P05
33

34
35 OMS TANK FAIL CAPABILITY:

36
37 L OMS FAILS: NO
38 R OMS FAILS: NO
39

40
41 LEAKING OMS PRPLT BURN:

42
43 L OMS LEAK: ALWAYS BURN RETROGRADE
44 R OMS LEAK: ALWAYS BURN RETROGRADE
45

46
47 OMS QUANTITIES(%)

48
49 L OMS OX = 33.6 R OMS OX = 34.0
50 FU = 33.3 FU = 33.8
51 Subtract interconnect counter for current OMS quantities.

MSG 063 - FD08 MISSION SUMMARY

DELTA V AVAILABLE:

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OMS	342 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>38 FPS</u>
TOTAL IN THE AFT	380 FPS
ARCS (TOTAL ABOVE QTY2)	71 FPS
FRCS (ABOVE QTY 1)	26 FPS
AFT QTY 1	80 %
AFT QTY 2	42 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
OMS	LOMS N2 Tank is experiencing pressure decay at a rate of approximately 15 psi/day. This signature was also seen during STS-118 and STS-123.	At the current leak rate there is no impact to operations. If the leak rate increases, a single start still remains in the accumulator.	No action required.

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MSG 064 (18-0268) - FD08 TRANSFER MESSAGE

Page 1 of 24

1 Good morning Don, STS-126 & Increment 18 crews!

2
3 Now that you've uninstalled the WPA Startup Filter, today you can pack it up for return in the
4 MPLM. In addition, you'll also need to retrieve the empty PWRs from the MPLM for your
5 PWR fills scheduled today. And finally you'll need to transfer the ETVCG hardware from the
6 middeck and MPLM for the ETVCG assembly activity this morning.

7
8 You're making good progress...keep up the good work!

9
10 The Transfer List Excel file, FD8_Transfer_List_STS126.xls, locations are:

- 11 • Shuttle: **C:\OCA-up\transfer** (KFX machine)
- 12 • Station: **K:\OCA-up\transfer**

13 14 15 Transfer Notes

- 16
17 • **Item 241:** The original plan for the remaining items in this 1.0 CTB after all the tools
18 were removed, was to stow it in NOD2D5 for Mike and Sandy to unpack during the
19 stage. Based on the specific items you asked about and the locations you provided, it
20 sounds like they have already unpacked them. For your reference, the items you asked
21 about are the following: QD Maintenance Kits, Oil-filled Syringes, Handle Crank
22 Assembly, Right Pedal, and CEVIS Accessories Kit.
- 23
24 • **MPL1P4 RSR:** We haven't heard you call down MPLM Resupply items 183, 186, 187,
25 and 190 complete in MPL1P4_A1, B1, & B2; however, since you confirmed that the
26 return items are stowed in these locations, we have marked these resupply items
27 complete.
- 28
29 • **Return Location Sort Pages:** In today's uplink, you'll notice we've sent you the first
30 version of the Return Location Sort pages. We do not plan to uplink these each day,
31 unless you'd like us to, as they are for reference only. Expect to see an updated sort in
32 the next couple days. Remember that you can always access the latest sort
33 electronically in the uplinked Transfer List "Return Location" sort tab.

34 35 36 FD08 Choreography

- 37 • **Item 766:** Pack Startup Filter Kit for return.
- 38 • **Items 965, 966, & 967:** Pack Russian Experiment Bags for return after PBO-3-3-RMV
39 activity.
- 40 • **Item 312:** Transfer PWRs from MPL1S4_K2 for first PWR FILL activity on FD08.
- 41 • **Items 15 & 16:** Transfer ETVCG PTU/CTVC and TVCIC from middeck for ETVCG
42 Assembly.
- 43 • **Item 137:** Transfer ETVCG Light from MPL1F1_H1 for ETVCG Assembly.
- 44 • **Item 726:** Pack NODE 2 LTL and MTL samples for return in middeck.
- 45 • **Items 214, 237, 248, 249, 250 & 294:** Transfer 11 unused LiOH cans from MPLM to ISS
46 LiOH Stockpile.
- 47 • **Items 770, 771, & 772:** Transfer 5 used LiOH cans from Middeck to MPLM for return.
- 48 • **Complete MPLM Resupply.**

MSG 064 (18-0268) - FD08 TRANSFER MESSAGE

Page 2 of 24

1 **Please incorporate uplink pages as follows (we've listed the updates in the order they**
2 **printed out for you):**

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4

5 **MIDDECK TRANSFER BOOK**

6

7 In the Middeck Transfer List **MDDK RSPLY REALTIME ADDITIONS** tab

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Replace the following page:

9

Resupply 13

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11 In the Middeck Transfer List **RETURN** tab

12

Replace the following page:

13

Return 5

14

15 In the Middeck Transfer List **MDDK RTN REALTIME ADDITIONS** tab

16

Replace the following page:

17

Return 10

18

19

20 **MPLM RESUPPLY TRANSFER BOOK**

21

22 In the MPLM Resupply Transfer List **F2 RSP** tab

23

Replace the following page:

24

Resupply 24

25

26 In the MPLM Resupply Transfer List **SWAP** tab

27

Pen & Ink on the following page:

28

Swap 13 – Items 231, 231.1, & 797: strike through all EVA 1 and 2 references

29

30

31 **MPLM RETURN TRANSFER BOOK**

32

33 In the MPLM Return Transfer List **LAYOUTS** tab

34

Replace the following page:

35

L-8

36

37 In the MPLM Return Transfer List **RETURN** tab

38

Replace the following page:

39

Return 18

40

41 In the MPLM Return Transfer List **MPLM RETURN REALTIME ADDITIONS** tab

42

Replace the following page:

43

Return 31

44

45 In the MPLM Return Transfer List **RETURN SORT** tab

46

Add the following pages:

47

Rtn Loc 1 thru 14

48

49

50

51

MSG 064 (18-0268) - FD08 TRANSFER MESSAGE

Page 3 of 24

1 **Changes to the Transfer List are detailed below:**

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MDDK RESUPPLY

Item 902 – new item

MIDDECK RETURN

Item 704 – update to notes

Item 964 thru 967 – new items

MPLM RESUPPLY

Item 146 – updated temp stow and final locations

MPLM RETURN

Item 612 – item deleted

Item 962 – new item

Added Return Location Sort pages

FD09 Choreography

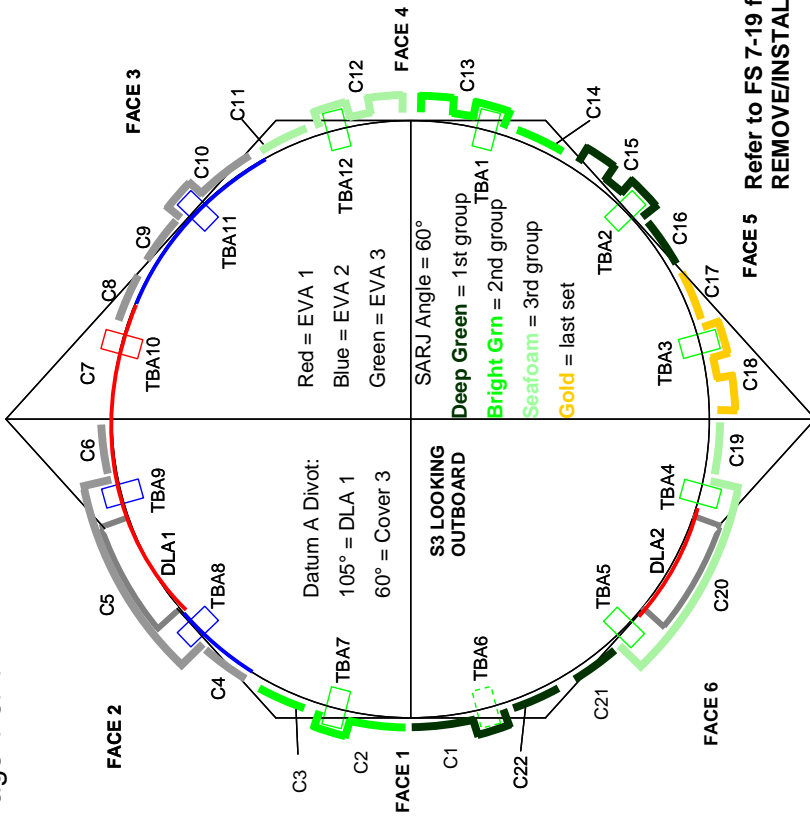
- **Item 29:** Retrieve PWD Galley Hose, PWD Standoff Hose, & PWD QD Bracket for PWD hose routing activity.
- **Continue packing MPLM return items.**

Have a great day!

- The STS-126 Transfer Team

18-0274 (MSG 068) – EVA 3 SARJ Cue Card

Page 1 of 1



Get Aheads

Can leave covers 15-18 off between EVAs 2 and 3

Can leave 13 and 14 off but cannot remove covers 5-12 on EVA 3

MLI COVERS

CAUTION
To prevent loss of inboard MLI cover fasteners during removal:
Limit turn count to minimum required for fastener release
Minimize side loading bolt head
Maintain axial force on fastener to compress spring during rotation

- REMOVE: Tether to cover; **PGT/A6 8.3 ft-lb, CCW2 30 RPM, MTL 30.5]-6ext 7/16:** Release inboard MLI cover fasteners, 9 turns
- INSTALL: **PGT/A1 2.5 ft-lb, CW2 30 RPM, MTL 30.5]-6ext 7/16:** Engage MLI cover fasteners, 9 turns

SARJ Angle	Cover #	# of Bolts	Cover Removed	Item Under Cover	S/N	TBA Removed	SARJ Cleaned	SARJ Lubed	TBA Installed	Cover Installed
105	7	6		TBA 10	1037	X	X	X	X	
	8	4	X				X	X		X
	9	4	X				X	X		X
	10	6	X	TBA 11**	1023	X	X	X		X
	11	4	X				X	X		X
	1	6	X	TBA 6	1017	X	X	X	X	X
	2	4	X				X	X		X
	4	4	X				X	X		X
	5	4	X		TBA 8 DLA 1*** TBA 9	1031 1004 1030	X X X	X X X	X X X	X X X
	8	4	X				X	X		X
	9	4	X				X	X		X
10	6	X		TBA 11**	1007	X	X	X	X	
15	6	X		TBA 2	1029	X	X		X	
16	4	X								
19	4									
60	20	4		TBA 4 DLA 2*** TBA 5*	1035 1005 1039					
	21	4								
	22	4								
	1	6		TBA 6*						
	2	6		TBA 7	1036					
	3	4								
	11	4								
	12	6		TBA 12	1034					
	13	6		TBA 1	1032					
	14	4								
	15	6		TBA 2	1029					
16	4									
17	4									
18	5/6			TBA 3	1033					

*These TBAs are clean already, so only the bearing package needs to be removed to enable cleaning and lubing of outboard ring

**TBA 11 is removed on EVA 1, installed on EVA 2.

***DLA cleaning should occur prior to installing second TBA by DLA

18-0272A (MSG 069A) – FD08 EVA Deltas

Page 1 of 2

1 Heide, Steve, and Shane,

2

3 This message contains EVA 3 Deltas.

4

5 [18-0273](#) (MSG 070) Updated EVA 3 Summary Timeline and [18-0274](#) (MSG 068)
6 EVA 3 SARJ Cue Card show our latest plan of the choreography to be used for EVA
7 3. The engineering and management teams are assessing our plan to save time by
8 deletion of the wet scraping as well as deletion of cleaning under TBAs 5 & 6. The
9 MER is also assessing additional combinations of covers that could be left off
10 between EVA 3 & 4. Use of the NOAX gun is being considered. Finally, the team is
11 still assessing the replacement plan for TBA 1001. The results of those discussions
12 may impact this plan but we wanted you to see our best idea while we wait for those
13 answers.

14

15 We are working on Tool Config deltas and will uplink those later in the day.

16

17 **Execute Notes**

18

19 Please report the S/Ns of the following:

20

- Scrapers (2) _____ & _____
- Lg Trash bag (2) 1001 & _____

21

22
23 Just to let you know, we thought that the RET w/ PIP pin (S/N 4080) you found
24 outside was actually inside, and the nominal plan was for it to return on Shuttle.
25 We're glad you found it, and we'll stick with the plan of bringing it home.

26

27 The Large ORU Bag S/N 1016 needs to come down on the Shuttle clean (to be used
28 for HST), so we'll use the S/N 1002 bag for the grease guns.

29

30 Please verify that six (6) Wet Wipes were used on EVA 2, and that 24 remain
31 unused.

32

33 As a reminder, grease from the J-hook nozzle should be applied slowly in a single
34 direction. Repeated back and forth motions will remove grease just applied.

18-0272A (MSG 069A) – FD08 EVA Deltas

Page 2 of 2

1

2 **EVA 3 Deltas**

3

4 We would like full cartridges in both grease guns for EVA 3. We are looking for
5 evidence of additional grease gun leaks. When you perform grease cartridge swap,
6 inspect inside the thermal cover on the grease gun body and report the condition to
7 MCC-H.

8

9 As a reminder, please be sure to relocate the Needle Nose Pliers from the LEE Lube
10 Crewlock Bag to the Staging Bag as part of your EVA 3 Pre Tool Config.

11

12 Further tool config deltas will be uplinked in a msg later today. These deltas will be
13 similar to EVA 2, with changes made to account for using one set of grease guns.
14 Those deltas will include an EVA 3 Post Tool Config also.

18-0273 (MSG 070) - Updated EVA 3 Summary Timeline

Page 1 of 1

PT HR : MIN	IV/SRMS	EV1 (Pp)	EV2 (Bw)	PT HR : MIN
00:00		POST DEPRESS (00:05) EGRESS/SETUP (00:30)	POST DEPRESS (00:05) EGRESS/SETUP (00:30)	00:00
01:00	**each double-single set ~1:45 to complete**	SARJ (05:50) Under Covers 15 and 16 Clean Lube Install TBA 2 Install Covers 15 and 16	SARJ (05:50) Remove Covers 21, 22 and 1 Clean Lube Install Covers 21, 22 and 1 [NOTE: Do not R&R TBA 6 Bearing Package]	01:00
02:00		Remove Covers 13 and 14 Remove TBA 1 Clean Lube Install TBA 1 Install Covers 13 and 14	Remove Covers 2 and 3 Remove TBA 7 Clean Lube Install TBA 7 Install covers 2 and 3	02:00
03:00		Remove Covers 11 and 12 Remove TBA 12 Clean Lube Install TBA 12 Install Covers 11 and 12	Remove Cover 19 Remove Cover 20 Remove TBA 4 Clean Lube Clean DLA Lube Install TBA 4 Install Cover 19 Install Cover 20 [NOTE: Do not R&R TBA 5 Bearing Package]	03:00
04:00		Remove Covers 17 and 18 Remove TBA 3 Clean Lube Install TBA 3 Install Covers 17 and 18		04:00
05:00				05:00
06:00		CLEANUP/INGRESS (00:30)	CLEANUP/INGRESS (00:30)	06:00
07:00		PREREPRESS (00:05)	PREREPRESS (00:05)	07:00

MSG 071 - CREW CHOICE VIDEO DOWNLINK OPTIONS

1 WEST -171.0
2 Event MET
3 AOS 006/13:50:00
4 LOS 006/14:23:00
5
6 EAST -46.0
7 Event MET
8 AOS 006/14:43:00
9 LOS 006/15:03:00
10
11 WEST -171.0
12 Event MET
13 AOS 006/15:44:00
14 LOS 006/16:10:00
15
16 EAST -46.0
17 Event MET
18 AOS 006/16:11:00
19 LOS 006/16:36:00
20
21 EAST -46.0
22 Event MET
23 AOS 006/17:38:00
24 LOS 006/18:09:00
25
26 Z -275.0 (No DTV or HD)
27 Event MET
28 AOS 006/18:23:00
29 LOS 006/18:48:00
30
31 Z -275.0 (No DTV or HD)
32 Event MET
33 AOS 006/20:02:00
34 LOS 006/20:28:00
35
36 WEST -171.0
37 Event MET
38 AOS 006/20:45:00
39 LOS 006/21:14:00
40
41 WEST -171.0
42 Event MET
43 AOS 006/23:42:00
44 LOS 007/00:13:00
45
46
47 WEST -171.0
48 Event MET
49 AOS 007/01:16:00
50 LOS 007/01:48:00
51