

STS-126/ULF2

FD 11 Execute Package



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108	---	Stowage Locations for FD11 (GMT 329) (pdf - Electronic Only)
109	21	FD11 Crew Choice Video Downlink Options (pdf)
110	22 - 23	CBM Spare Controller Panel Assembly Preparation (pdf)
111	24	FD11 EVA Deltas (pdf)
112	25	ULF2 Tool Stow for MPLM Transfer (pdf)

Approved by FAO: T. Harris

Handwritten signature of Jelisha M. Harris in black ink.

Last Updated: Nov 24 2008 1:54PM GM;

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

MSG 105A - FD11 FLIGHT PLAN REVISION

1 MSG INDEX

2

3 <u>MSG NO.</u>	<u>TITLE</u>
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7 108	Stowage Locations for FD11 (GMT329) (18-0317)
8 109	FD11 Crew Choice Video Downlink Options
9 110	CBM Spare Controller Panel Assembly Preparation (18-0309)
10 111	FD11 EVA Deltas (18-0319)
11 112	ULF2 Tool Stow for MPLM Transfer (18-0320)

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14 1. For today's cryo config, O2 tanks 2, 3, and 4, and H2 tanks 2 and 4 will be active with
15 dual heaters.

16

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

19

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

21

22 A15 CRYO TK5 HTR O2 A - OFF

23

24 2. You have no nominally planned Exercise Constraints during today's EVA. However, if
25 the EV crew is able to get to the S1/P1 Radiator Imagery get-ahead task, there will be a
26 "No Un-isolated Exercise" constraint during that time. We will call up to let you know if
27 the EV crew gets into this activity.

28

29 3. The NOAX Gun Cleaning procedure may require a maximum of 10 disinfectant wipes to
30 clean the Braycote off of the gun post EVA 4. Based on your current disinfectant wipe
31 usage and predicted usage out through nominal end of mission + 2 extension days, do
32 you believe that reserving 10 wipes for the NOAX gun will be possible?
33 If we are short on shuttle wipes due to the need to clean the NOAX gun, we can request
34 transfer of wipes from ISS.

35

36 4. Today you will configure Glacier for descent by locking the Door Captive Locks.
37 Afterwards, please use the G1 camcorder and DCS D2Xs, 12-24mm, to take take video
38 and **two** photos each of the following: the entire Glacier front face, a close-up of the
39 circuit breaker/switch/LCD display area, and close-ups of the Door Captive Locks
40 (two). Another crewmember in the shots is desired, but not required. (Video playback is
41 desired, but not required.)

42

43 The Glacier team would like to thank Endeavour for taking such COOL care of Glacier on
44 its first flight into space!

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MSG 105A - FD11 FLIGHT PLAN REVISION

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5. FD10 MMT Summary

The MMT met to review orbiter systems and mission progress. Endeavour's systems continue to perform well and no new issues were discussed. Due to your hard work, the mission is progressing extremely well and you are well ahead of the transfer timeline. Yesterday's EVA went very well and the all of the EVA gloves are GO for another EVA.

6. MSG112 is an update to MSG096. Please disregard MSG096 for any future activities.

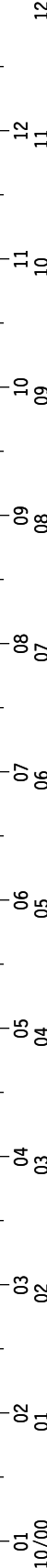
7. REPLACE PAGES 3-116 THROUGH 3-125.

REPLANNED

FD11

GMT 11/25/08 (330)

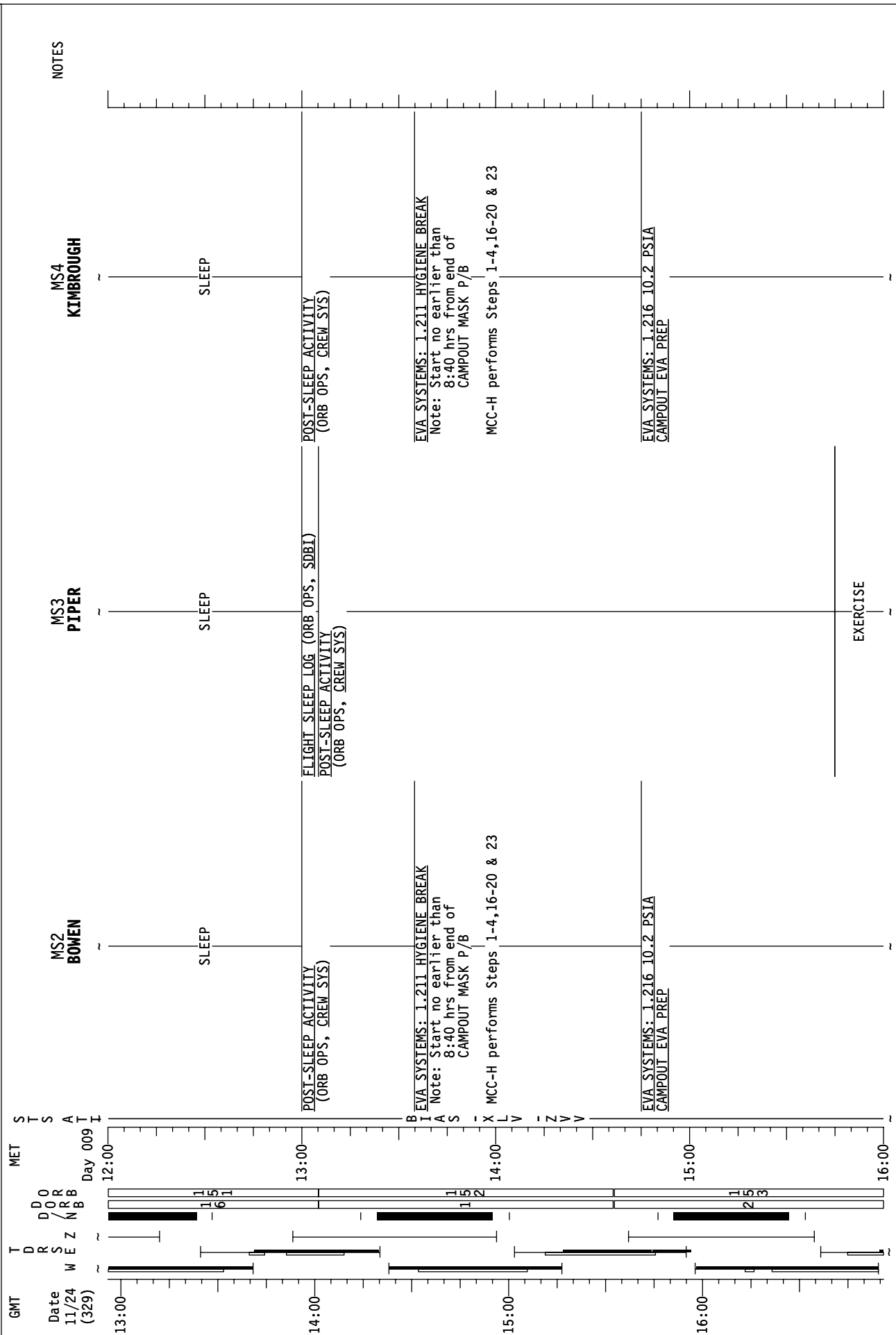
MET Day_010



Activity	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00
CDR FERGUSON	PRR R S XFR S	POST EVA W/H2O	GLM P L L DDM T C A M D U M R C J K S %*^#	PRE SLEEP PMC A/G	PRE SLEEP			SLEEP				
R1 PLT BOE	*	EXERCISE	MPLM XFER	PRE SLEEP	PRE SLEEP			SLEEP				
R3 MS1 PETTIT	MPLM GLA SCAVENGE	GLA SCAVENGE	CFNG MPLM RACKS	XFR FA E BRIEF	PRE SLEEP			SLEEP				
EV2 MS2 BOWEN	POST EVA W/H2O	POST EVA W/H2O	M U S	PRE SLEEP	PRE SLEEP			SLEEP				
EV1 MS3 PIPER	MDDK XFER	EVA TOOL STOM	CFNG MPLM RACKS	XFR FA E R	PRE SLEEP			SLEEP				
R2/EV3 MS4 KIMBROUGH	POST EVA W/H2O	POST EVA W/H2O	M U S	PRE SLEEP	PRE SLEEP			SLEEP				
FE-2 CHAMITOFF	TVIS	GLA	PW	PRE SLEEP-ISS	PRE SLEEP-ISS			SLEEP				
ISS CDR FINCKE	EHS TOCA LEAK CHK	PW	PWD CNCT	PRE SLEEP-ISS	PRE SLEEP-ISS			SLEEP				
FE-1 LONCHAKOV	IMS	VELO	PW	PRE SLEEP-ISS	PRE SLEEP-ISS			SLEEP				
FE-2 EXP18 MAGNUS	POST EVA W/H2O	POST EVA W/H2O	D S L A	PRE SLEEP-ISS	PRE SLEEP-ISS			SLEEP				
DAY/NIGHT ORBIT	159	160	161	162	163	164	165	166				
TDRS	W -171.0	E -46.0	Z -275.0									
ORB ATT												
NOTES	*EVA4 IVA SPPRT %SETUP #STATUS CHECK @G1 CAMCORDER-PWR OFF ^VIDEO @CLNUP & INGRS *CONFIG FOR DESCENT BIAS -XLV -ZVV											

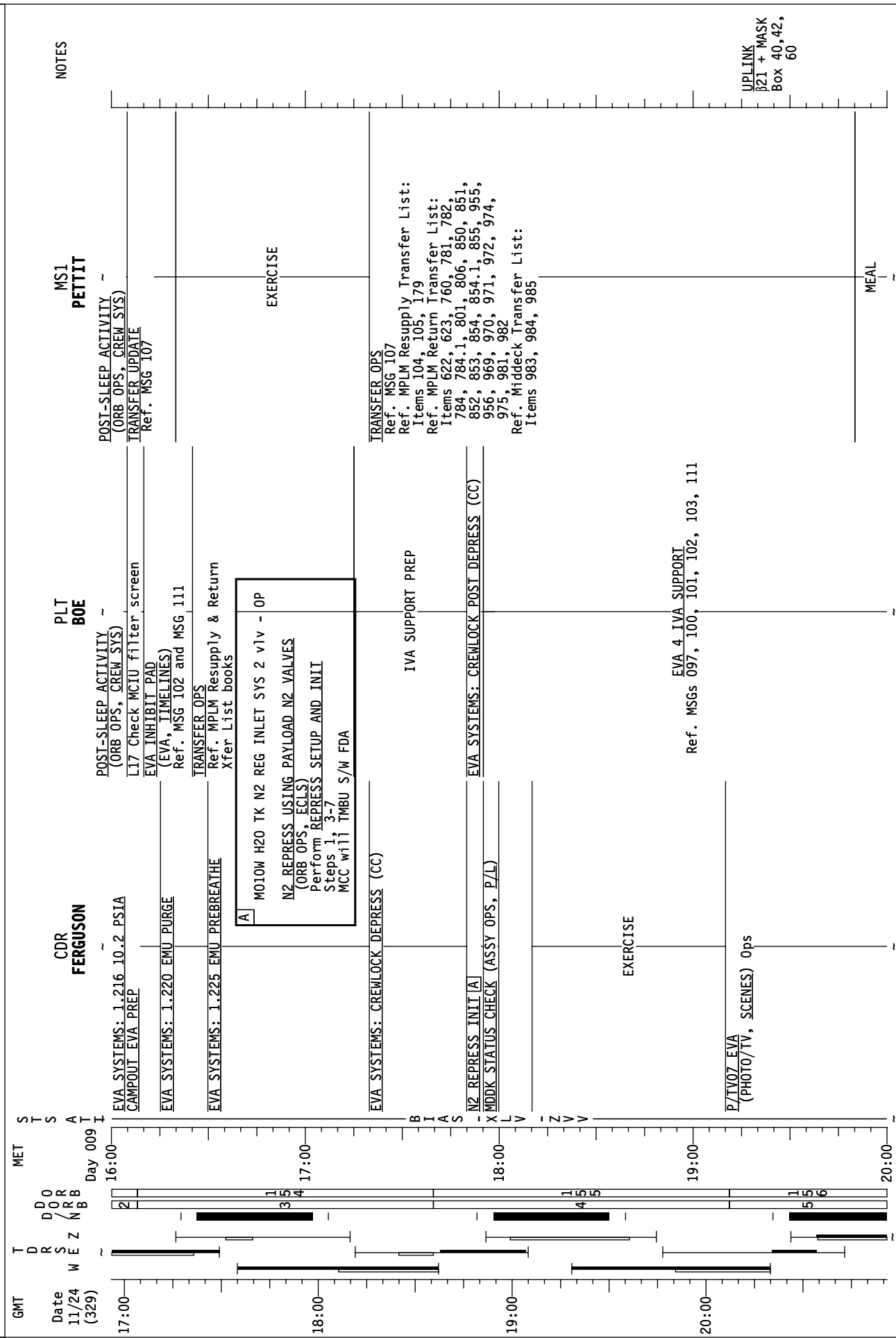
STS-126 FD (11)

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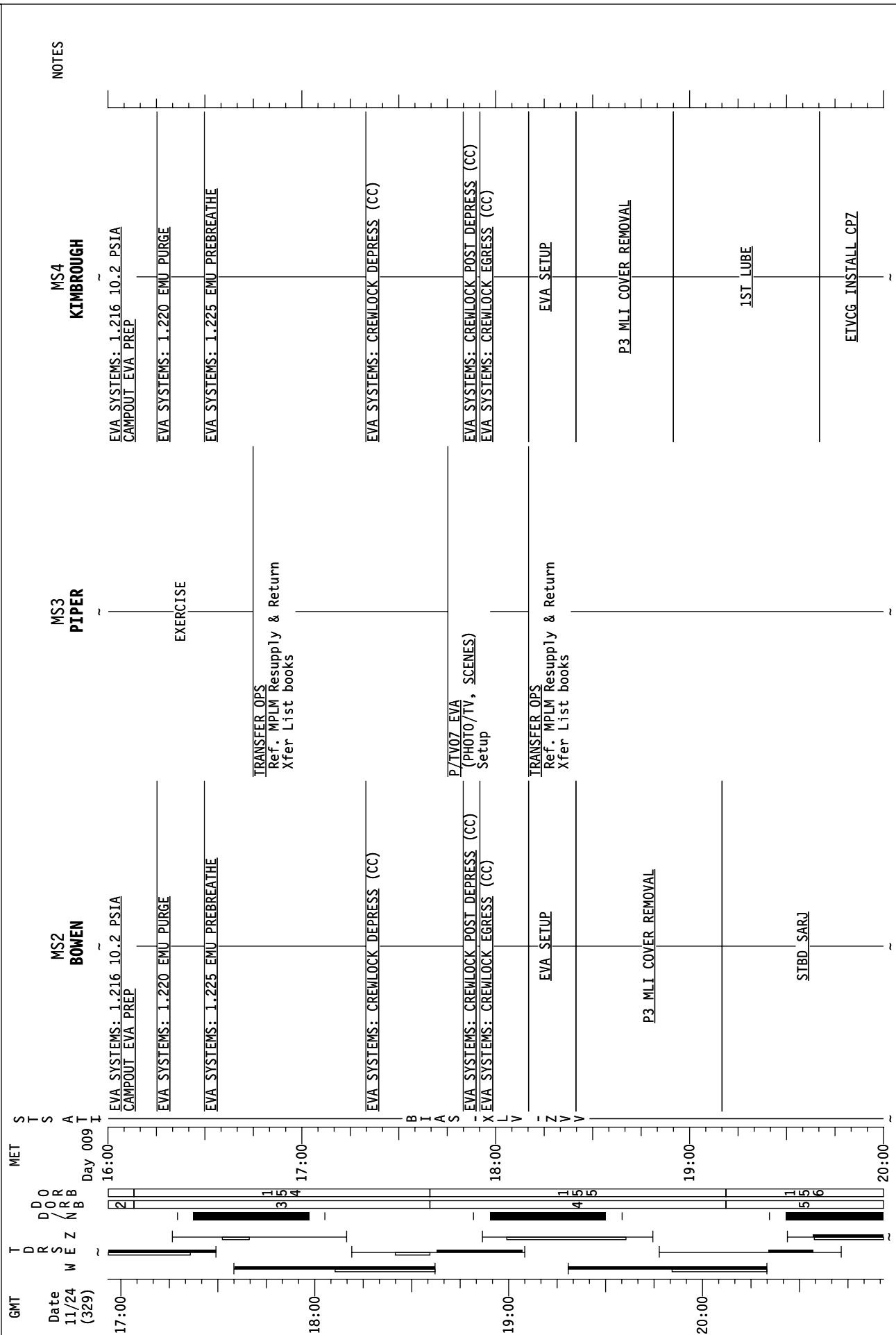
STS-126 FD (11)

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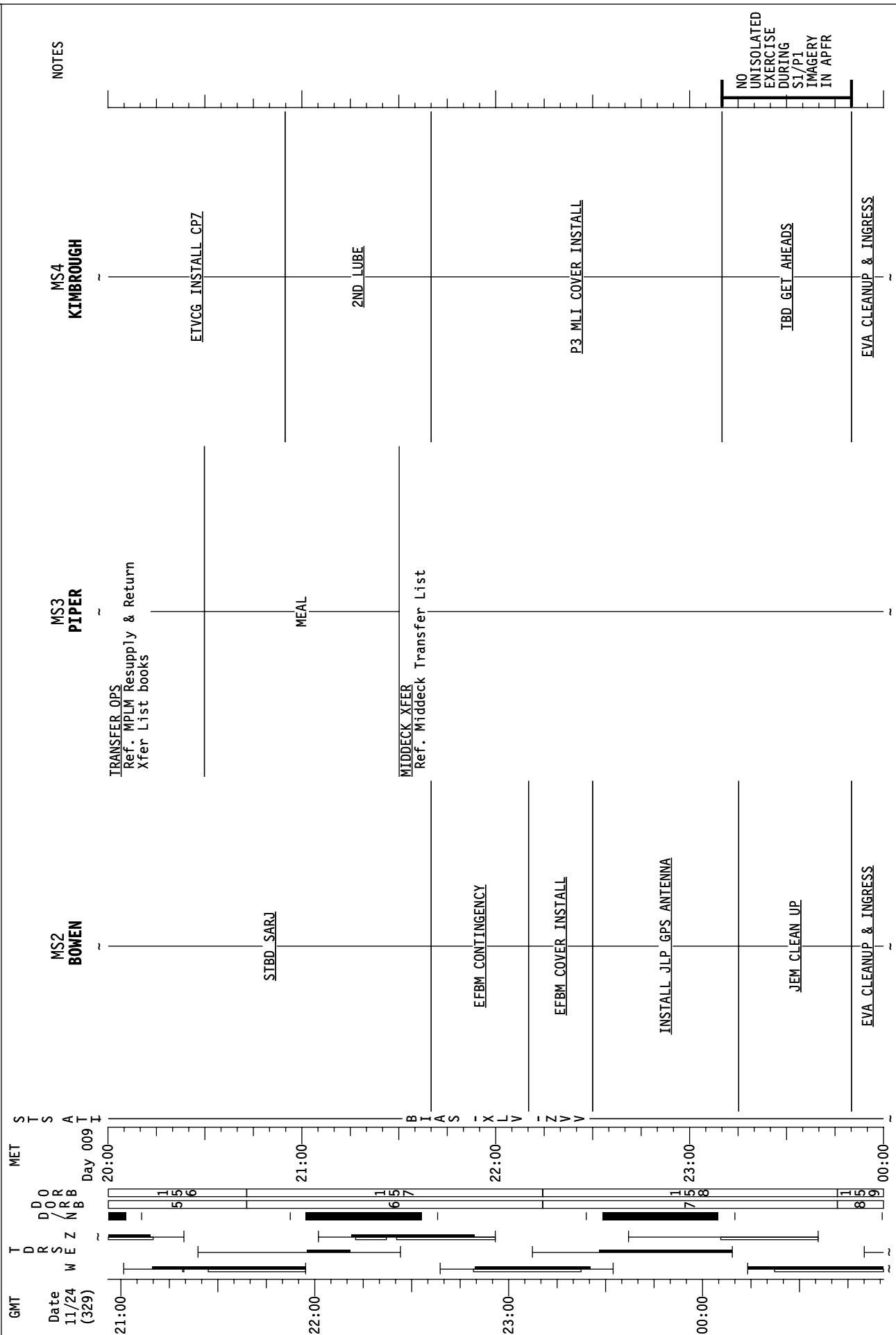
STS-126 FD (11)

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STS-126 FD (11)

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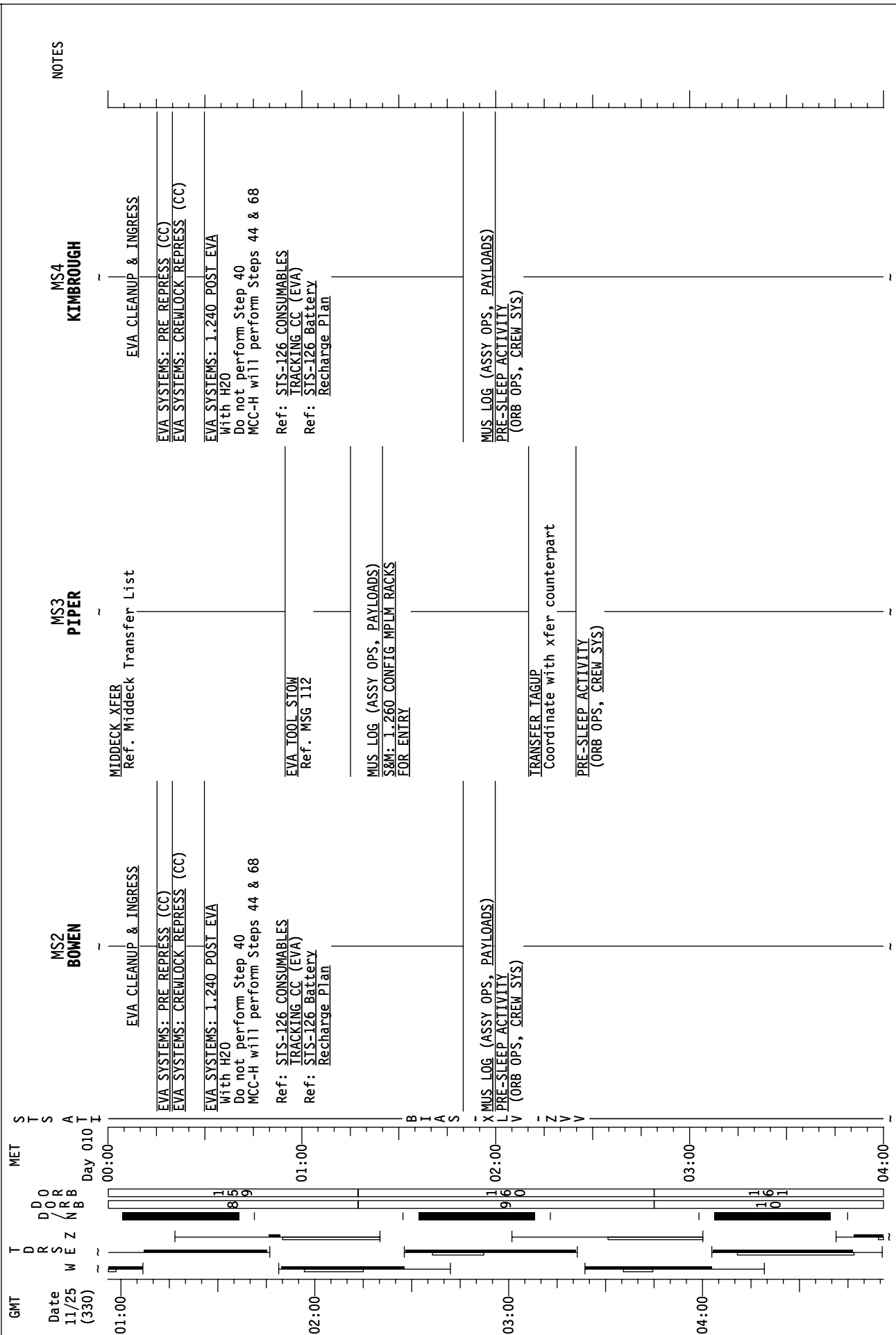
STS-126 FD (11)

REPLANNED

GMT	Date 11/25 (330)	DRS W E Z	DOORB N B	MET Day 010 T	CDR FERGUSON	PLT BOE	MS1 PETTIT	NOTES
01:00					<p>PWR TRANSFER Transfer 1 PWR to ISS</p> <p>EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK REPRESS (CC)</p> <p>EVA SYSTEMS: 1.240 POST EVA With H2O Do not perform Step 40 MCC-H will perform Steps 44 & 68</p> <p>Ref: STS-126 CONSUMABLES TRACKING CC (EVA) Ref: STS-126 Battery Recharge Plan</p>	EVA 4 IVA SUPPORT Ref. MSGs 097, 100, 101, 102, 103, 111	<p>IFM: 1.2.403 BASEPLATE BALLAST ASSEMBLY R&R Steps 1.2, 1.9, 1.10, 3.1 (if BBA is not free, perform step 2.4 for two fasteners furthest from Lamp controls), steps 3.2 and step 7.</p> <p>For each GLA scavenged, record s/n and original MPLM location.</p> <p>If LHA screws removed, tape that end of LHA to BBA for storage.</p> <p>Cover all connectors (Kapton Tape) and secure loose BBA connectors in MPLM Standoff (zip ties).</p> <p>Ref. MPLM Resupply Transfer List: Item 105</p>	
02:00					<p>TRANSFER OPS Ref. MPLM Resupply & Return Xfer List books</p>			
03:00					<p>S P/TV10 MIDDECK PL SETUP (PHOTO/TV, SCENES) Perform SETUP, Ref. MSG 105 for OPS</p> <p>X GLACIER CONEIG FOR DESCENT (ASSY OPS, PAYLOADS)</p> <p>V GLACIER PHOTO/VIDEO Ref. MSG 105 Item 4</p> <p>Z IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)</p> <p>V MDDK STATUS CHECK (ASSY OPS, P/L)</p> <p>V MUS LOG (ASSY OPS, PAYLOADS)</p> <p>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</p>			
04:00					<p>PRIVATE MEDICAL CONFERENCE (A/G)</p> <p>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</p>			
								<p>TRANSFER TAGUP Coordinate with xfer counterpart</p> <p>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</p> <p>TRANSFER BRIEF Call down status to MCC</p> <p>PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)</p>

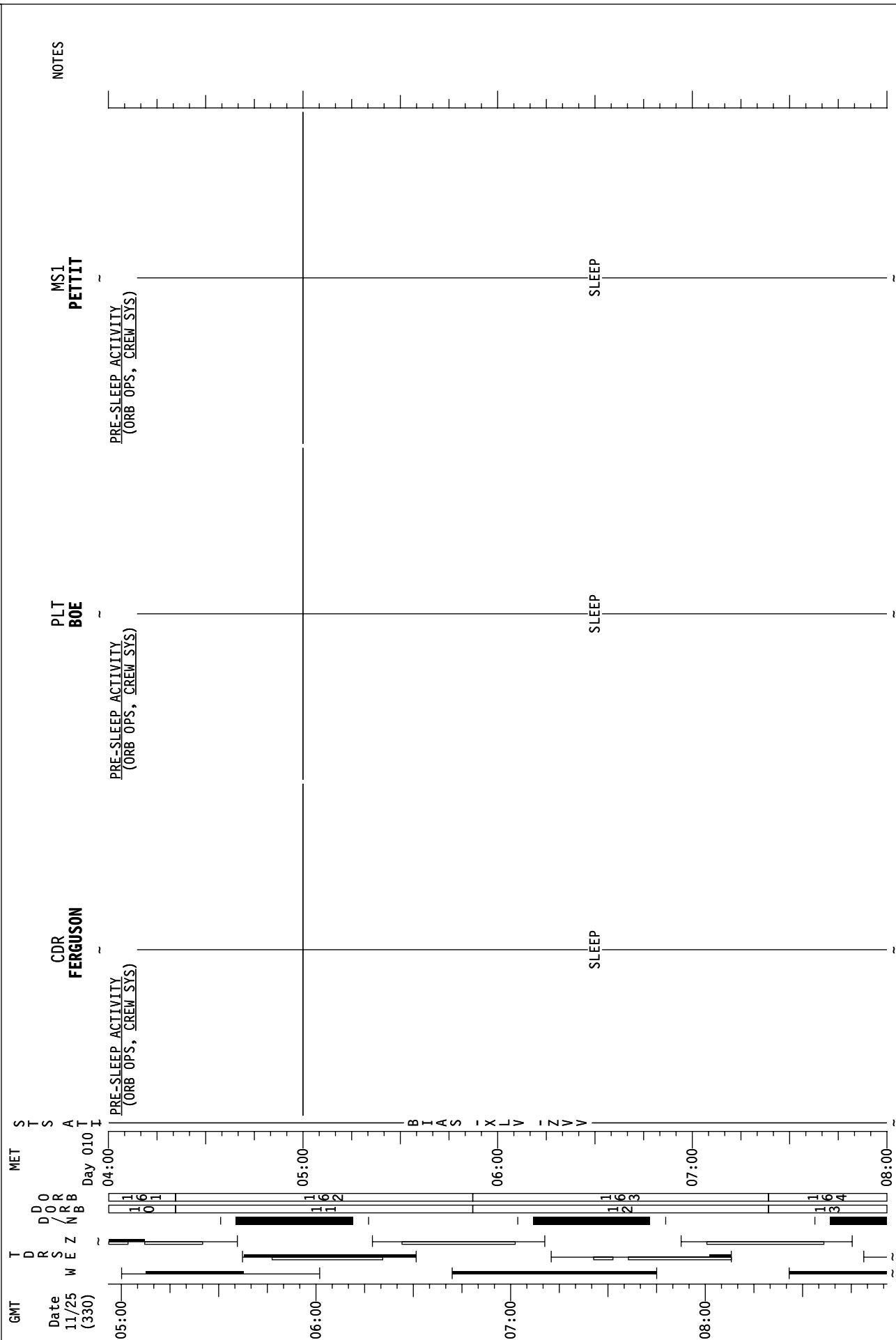
STS-126 FD (11)

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STS-126 FD (11)

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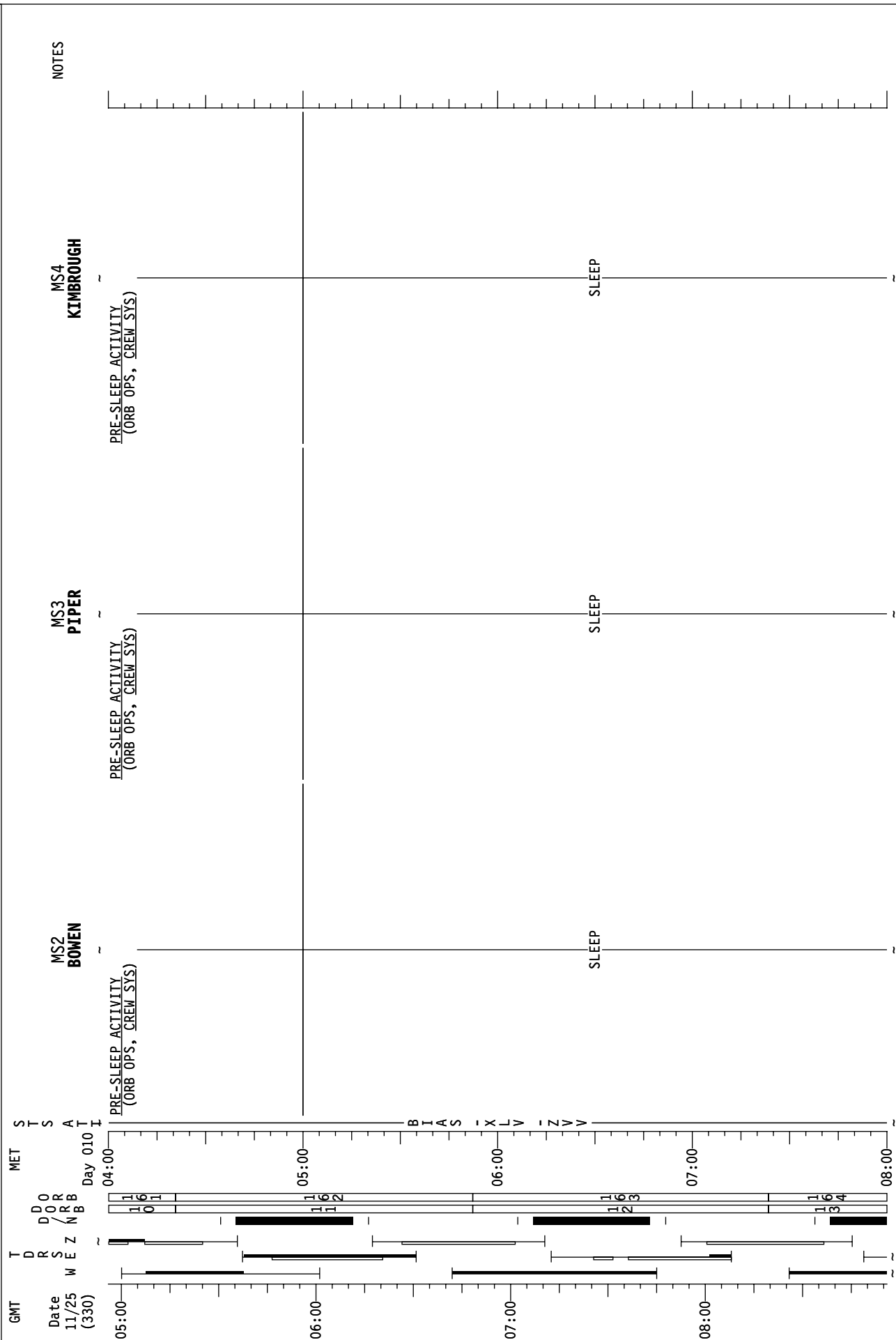


3-124

FLT PLN/126/FLIGHT

STS-126 FD (11)

REPLANNED



MSG 106A - FD11 MISSION SUMMARY

1 Good Morning Endeavour!!!

2
3 All of you did an outstanding job on EVAs 1, 2, and 3!

4
5 It is hard to believe that it is already time for EVA 4!!!!

6
7 Have another great EVA today!

8
9
10 YOUR CURRENT ORBIT IS: 196 X 186 NM

11
12
13 NOTAMS:

14
15 **NOTAMS - NO CHANGE**

16
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 YHZ – RWY 05/23 CLOSED 24 NOV 1100Z - 26 NOV 1600Z.
22 DOV – RWY 14/32 CLOSED.
23 AMB – RWY 15/33 CLOSED.
24 YYT – RWY 16/34 CLOSED.
25 IKF – NOT USABLE. NO AGREEMENT.
26 BEN – NOT RECOMMENDED/NOT SUPPORTED.

27
28 NEXT 2 PLS OPPORTUNITIES:

29
30 EDT22R ORB 157 – 9/21:34 SCT120 BKN250 7 170/08P14
31 NOR17 ORB 172 – 10/20:26 SCT150 BKN250 7 120/04P06

32
33 OMS TANK FAIL CAPABILITY:

34
35 L OMS FAILS: NO
36 R OMS FAILS: NO

37
38 LEAKING OMS PRPLT BURN:

39
40 L OMS LEAK: ALWAYS BURN RETROGRADE
41 R OMS LEAK: ALWAYS BURN RETROGRADE

42
43 OMS QUANTITIES(%):

44
45 L OMS OX = 33.6 R OMS OX = 34.0
46 FU = 33.3 FU = 33.8

47 Subtract interconnect counter for current OMS quantities.
48
49
50
51

MSG 106A - FD11 MISSION SUMMARY

DELTA V AVAILABLE:

OMS 338 FPS
ARCS (TOTAL ABOVE QTY1) 39 FPS

TOTAL IN THE AFT 377 FPS

ARCS (TOTAL ABOVE QTY2) 72 FPS
 FRCS (ABOVE QTY 1) 22 FPS

AFT QTY 1 79 %
 AFT QTY 2 41 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
INST/COMM	Camera A exhibits a yellow hue.	Minor discoloration in video image.	None.

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MSG 107 (18-0315) - FD11 TRANSFER MESSAGE

Page 1 of 50

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

2
3 Wow...we can't believe this is the last day of MPLM transfer! You've all been doing an
4 excellent job!

5
6 Today you'll be completing the remaining MPLM transfer items in preparation for closing the
7 hatch tomorrow morning. We've listed all the open MPLM items in today's choreography for
8 your reference. In addition, once AMiA is removed, it will be available for packing in the
9 middeck for return. And finally you'll be configuring all the MPLM racks for their entry
10 configurations.

11
12 The Transfer List Excel file, FD11_Transfer_List_STS126.xls, locations are:

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

15 16 Transfer Questions

- 17
18 • **Shuttle Dry Trash in MPLM:** Preflight you requested that we leave the ISS locker
19 returning in A2_H1 (item 763) empty for you to return shuttle dry trash. Can you please
20 confirm if you stowed dry trash in this locker and roughly how much?

21 22 Transfer Notes

- 23
24 • **TBA's...again:** Heide, we understand that the TBA CTB returning in the middeck will not
25 fit inside either ETVCG foam box in Bag E. Therefore we'd like you to remove the TBAs
26 (leave them inside their TBA bags) from the CTB and stow them inside either ETVCG
27 foam box. The TBA foam (2 pcs) should then be removed from the CTB and stowed in
28 the External A/L Floor Bag for return. Please stow the empty 1.0 CTB on ISS at
29 NOD1P2.

30
31 Also, we want to clarify that 12 TBAs total (11 used TBAs + 1 over-torqued TBA s/n
32 1001) should be returning on STS-126 in the following configuration:

- 33 • 2 TBAs in Bag E in the middeck
- 34 • 10 TBAs (in 5 CTBs) in the MPLM

35 We apologize for the confusion caused last night by saying 11 total. Based on our
36 conversation though, we believe that you currently have 12 packed for return in the
37 proper configuration.

- 38
39 • **Scopemeter Pressure Probes:** Fergy and Don, after reviewing our conversation from
40 last night's transfer brief, we think the current pressure probe configuration is perfect.
41 We understand you have packed two old probes in the MPLM for return (Swap items
42 704.3 and 419.8) and transferred two new probes to ISS (Swap items 46.4 and 241.8).
43 We think you were referring to the Shuttle IFM Toolbox pressure probe during last
44 night's calldown—that one should not be transferred or swapped.
- 45
46 • **Return Layouts & Sorts:** Don, as you requested, we have uplinked clean MPLM return
47 layouts, some updated M-bag layouts, and updated middeck and MPLM return location
48 sorts for your transfer books.

MSG 107 (18-0315) - FD11 TRANSFER MESSAGE

Page 2 of 50

- 1 • **Don's MPLM Kit:** Don, in your MPLM Cleanup tab we have referenced your MPLM Kit
2 as item 854. Based on pre-flight discussions, we understand that you'd like to leave
3 some of its contents on ISS. Please let us know which items you decide to leave so the
4 ISO team can appropriately update IMS.

6 FD11 Choreography

- 7 • **Item 985:** Pack AMiA for return in middeck after removal.
- 8 • **Item 984:** Pack JEM post-AMiA water sample for return.
- 9 • **Item 782:** Pack old Respiratory Support Pack (RSP) for return in MPLM following
10 successful checkout of the new RSP.

- 11
- 12 • **Complete all open MPLM Resupply transfer items:**

- 13 ○ **Item 104:** Transfer 41.5" Handrails to ISS
- 14 ○ **Item 105:** Transfer remaining 6 MPLM GLAs to ISS
- 15 ○ **Item 179:** Transfer 8.5" Handrails to ISS

- 16
- 17 • **Complete all open MPLM Return transfer items:**

- 18 ○ **Item 622:** Strap 3.0 CTB of JAXA foam to P3 rack-front
- 19 ○ **Item 623:** Strap 3.0 CTB of JAXA foam to P3 rack-front
- 20 ○ **Item 760:** Transfer Chamitoff crew preference
- 21 ○ **Item 781:** Transfers REBAs after EVA 4
- 22 ○ **Item 782:** Transfer Respiratory Support Pack (RSP) after RSP C/O complete
- 23 ○ **Item 784:** Transfer SARJ cleaning trash and EVA hardware after EVA4
- 24 ○ **Item 784.1:** Remove Rail Stub from EVA mesh bag and stow in F4_H1
- 25 ○ **Item 801:** Transfers REBA after EVA 4
- 26 ○ **Item 806:** Transfer PGT Torque Analyzer Kit to MPLM for return
- 27 ○ **Item 955:** Pack WAICO Experiment Containers in item 769 for return
- 28 ○ **Item 956:** Pack WAICO Cultivation Bowl in item 769 for return
- 29 ○ **Item 969:** Pack KBO-M with Electronics Units in A2_K1 for return
- 30 ○ **Items 970 and 971:** Pack A31ps in P3_K2 for return
- 31 ○ **Items 972, 974, and 975:** Pack Kubik payload in A4_A1 for return
- 32 ○ **Item 981:** Pack LHA in A1_H1 for return
- 33 ○ **Item 982:** Pack Rail Stub in F4_H1 for return

- 34
- 35 • **Item 983:** Pack Microbial Capture Device in middeck after EHS Water T+2 activity.

- 36
- 37 • **Complete Middeck resupply transfer.**

- 38
- 39 • **Continue Middeck return packing.**

- 40
- 41 • **MPLM Cleanup:**

- 42 ○ **Item 850:** Return any bungees and seat track studs borrowed from ISS.
- 43 ○ **Item 851:** Return PBA to NOD2D6-01
- 44 ○ **Item 852:** Return PFE to NOD1P4
- 45 ○ **Item 853:** Return Pivot Fittings used to rotate A4 and F4 RSPs to ISS.
- 46 ○ **Items 854 and 854.1:** Transfer Don's MPLM Kit to ISS.
- 47 ○ **Item 855:** Remove all handrails from MPLM
- 48 ○ **NOTE:** Endcone & inter-rack bungee jails can remain deployed for entry.

- 49
- 50 • **Configure MPLM racks and verify rack contents.**

MSG 107 (18-0315) - FD11 TRANSFER MESSAGE

Page 3 of 50

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

3

4 **MIDDECK TRANSFER BOOK**

5

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

7 Pen and Ink on the following page:

8 Return 7 – item 721: change serial number of PD100 to s/n 1026

9

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

11 Replace the following page:

12 Return 10

13

14 Add the following page:

15 Return 10a

16

17 In the Middeck Transfer List **RETURN SORT** tab

18 Add the following pages:

19 Rtn Loc 1 thru 4

20

21 **MPLM RETURN TRANSFER BOOK**

22

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

24 Replace the following pages:

25 L-1 thru L-29

26

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

28 Replace the following pages:

29 Return 23 and 24

30

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

32 Replace the following page:

33 Return 32

34

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

36 Replace the all pages with the following:

37 Rtn Loc 5 thru 12

38

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

40

41 **MIDDECK RETURN**

42 Item 721 – updates serial number

43 Item 954 – updates initial and temp stowage

44 Item 980 – updates final location and notes

45 Items 983, 984, 985 – new items

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MSG 107 (18-0315) - FD11 TRANSFER MESSAGE

Page 4 of 50

1 **MPLM RETURN**

- 2 Item 784 – added note
3 Item 784.1 – new item
4 Items 789 and 789.1 – deleted items
5 Item 981 – updates to serial number and final location
6 Item 982 – new item
7

8 **FD12 Choreography**

- 9 • **Item 32:** Transfer Silver Biocide Syringe Kit (s/n 1003) after all CWC fills are complete.
10 • **Items 26 and 722:** Swap PGTs.
11 • **Items 12 and 713:** Swap SM printer with Shuttle printer (swap printer trays from SM
12 printer with LAB trays).
13 • **Transfer remaining Middeck resupply items.**
14 • **Transfer the following EVA items to the Middeck:**
15 o **Item 710:** EVA Sys Transfer bag
16 o **Item 715:** Large ORU Bag
17 o **Item 707:** Kimbrough's ECOK
18 • **Item 445:** Transfer "new" bag D back to middeck
19 • **Item 700:** Transfer Bag A back to middeck
20 • **Item 701:** Transfer Bag B back to middeck
21 • **Item 702:** Transfer Bag H back to middeck
22 • **Transfer Bag E back to middeck.**
23 • **Transfer Middeck return items.**
24
25

26 Have a great day!

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28 - The STS-126 Transfer Team
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MSG 109 - FD11 CREW CHOICE VIDEO DOWNLINK OPTIONS

1 Here are the available Ku times for your Crew Choice Video Downlink. Let us know which
2 time works best for you. Please give the ground 30 minutes to configure for HD video.
3
4

Crew Choice KU FD11

TDRS	AOS	LOS	DURATION (min)	COMMENT
W-171	9/13:37	9/14:09	33	
W-171	9/15:26	9/15:58	32	
E-46	9/15:59	9/16:25	26	
W-171	9/17:11	9/17:41	30	
E-275	9/19:39	9/20:13	34	No DTV or HD
W-171	9/20:32	9/21:01	29	
E-275	9/21:30	9/21:53	23	No DTV or HD
E-46	10/04:51	10/05:24	34	

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18-0309 (MSG 110) CBM SPARE CONTROLLER PANEL ASSEMBLY

PREPARATION

Page 1 of 2 pages

OBJECTIVE:

Remove Multi-Layer Insulation (MLI) from the spare JEM CPA 4 prior to installing it as Node 2 Nadir CPA 4.

LOCATION:

Node 2 (crew preference)

DURATION:

20 minutes

CREW:

One

MATERIALS:

Ziplock Bag

Sharpie

Kapton Tape

Dry Wipe (if condensation found on CPA 4)

PARTS:

Controller Panel Assembly (CPA)

Part Number: 2355260-3-1

Serial Number: 87-D0024

TOOLS:

ISS IVA TOOLBOX

Drawer 2:

Ratchet, 1/4" Drive

5/32" Hex Head, 1/4" Drive

1. REMOVING MLI FROM JEM CPA 4

1.1 Using Sharpie, label Ziplock Bag "ULF2 FD11/CPA MLI Bolt and Washers".

NOTE

Two grounding wires are connected between MLI and CPA (one to each side of CPA).

1.2 Partially remove MLI from CPA (Velcro)

√P/N is 2355260-3-1 and S/N is 87-D0024

Find ground wires connected between MLI and CPA (two).

CAUTION

Each grounding wire is secured to CPA by one non-captive bolt with three non-captive washers. Care must be taken to avoid losing the non-captive bolt and washers.

18-0309 (MSG 110) CBM SPARE CONTROLLER PANEL ASSEMBLY PREPARATION

Page 2 of 2 pages

- 1.3 Loosen, remove grounding wire non-captive fastener from side of CPA. (Ratchet, 1/4" Drive; 5/32" Hex Head)
Stow fastener, three washers in Ziplock bag.
- 1.4 Repeat step 1.3 for other side of CPA.
- 1.5 Completely remove MLI from CPA (Velcro).
- 1.6 Secure Ziplock Bag onto MLI. (Kapton Tape)
- 1.7 Stow MLI with Ziplock Bag per Stowage Note.

2. CHECK FOR CONDENSATION

- 2.1 Verify no condensation present on CPA 4 connectors

If small amount of condensation found, clean with Dry Wipe.
If large amount of condensation found, √**MCC-H**

- 2.2 Inform **MCC-H** of task completion

18-0319 (MSG 111) – FD11 EVA Deltas

Page 1 of 1

Heide, Eric, Shane, & Steve,

Good luck on EVA 4 today!

This message contains EVA 4 Deltas.

Please note ULF2 Tool Stow for MPLM Transfer, FS 8-13, has been updated to message [18-0320](#) (MSG 112). This lists the contents of the mesh bag(s) to be returned to the MPLM after FD 11.

- Also, the RETs will now be split up – the Lg-eq and the PIP pin Red RETs will go into the mesh bag while all (expecting 13) of the eq-eq Red RETs will go into the Large ORU bag for transfer morning of FD 13.
- The two aft rail stubs (one you removed on EVA 1; the other transfers via Transfer List item 982) are coming home. The two fwd rail stubs and all SLRs are remaining on orbit for future CETA Cart ops.

Steve, since you are using your back-up gloves, please call MCC-H to verify that you moved your wrist cams to the long position, so that your arms are now in the short-long configuration.

Execute Notes

Please make the following updates to your detailed STS-126 EVA FS Pages:

- FS 7-118 for S1/S3 BBC Connectors inhibit block:
 - Delete Inhibit – “1. S1 TRRJ - √DLA (1) LOCKED”

18-0320 (MSG 112) – ULF2 Tool Stow for MPLM Transfer

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ULF2 TOOL STOW FOR MPLM TRANSFER

1. Stow following items in 24" x 24" ziplock bag(s) post EVA:

- All used EVA Wipes (dry and wet)
- All used towels
- All fully used (< 1/4 full) Grease Cartridges
- Scraper Debris Containers (5)

2. **Completed Step 2 on FD 10 per Transfer List**

~~Stow following items in TBA CTBs (from MPLM) and TBA foam (from shuttle)~~

NOTE

~~Remove middle block of foam to fit 2 TBAs in each CTB.
TBA foam may have to be secured with tape~~

- ~~TBAs w/connector caps (12)~~
- ~~TBA Bags (12)~~

3. Stow following tools in a mesh bag to be transferred to MPLM for return:

- All ziplock bags from step 1
- RETs (RED: 8 Lg-eq)
- RETs (RED: all w/PIP pin)
- 4A ~~SLR and~~ rail stub (Removed during EVA1)
- EFBM Small Petal Covers (4)
- GPS Antenna Receptacle MLI (2)
- ~~GPS Antenna jack caps (4)~~
- GPS Antenna connector caps (4)
- ~~EVA Large Trash Bag (1008) (1)~~
- 55-ft Safety Tether (Number 72, Lg-sm, s/n 1022)

FS 8-13

EVA/126/FIN