

STS-116 / 12A.1

FD 11 Execute Package



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123	22 - 23	Middeck Stowage Updates (pdf)
124	24	Docked Audio Hardline Voice Test (pdf)
121	---	FD10 MMT Summary (pdf - Electronic Only)

Approved by FAO: Terry Clancy

Last Updated: Dec 19 2006 1:27PM GMT

JEDI (Joint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003

MSG 116A - FD11 FLIGHT PLAN REVISION

MSG INDEX

MSG NO. TITLE

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MSG 121 FD10 MMT Summary (14-0637)
MSG 122 Spacehab Inlet Duct Screen Check
MSG 123 Middeck Stowage Updates
MSG 124 Docked Audio Hardline Voice Test (14-0643)

1. APU HEATER RECONFIG DELTAS

In the Orbit Ops, APU HEATER RECONFIG (APU/HYD) procedure on page 1-2 please delete the following step:

A12 APU HTR GAS GEN/FUEL PUMP (three) - B AUTO

APU HEATER RECONFIG will be worked as part of the HEATER RECONFIG - CONFIG B (EPS) procedure on page 6-5.

2. HTR RECONFIG DELTAS FOR EECOM

Make the following changes to HEATER RECONFIG – CONFIG B(CONFIG A) (ORB OPS, EPS), p. 6-5, to be performed by the CDR at MET 9/23:30:00

WAS:

ML86B:C cb MNA EXT ARLK HTR
 LINE ZN 1,2 (two) – op(cl)
 STRUC Z1/2/3 – op(cl)

 cb MNB EXT ARLK HTR
 LINE ZN 1,2 (two) – cl(op)
 STRUC Z1/2/3 – cl(op)

IS:

ML86B:C cb MNA EXT ARLK HTR
 LINE ZN 1,2 (two) – cl
 STRUC Z1/2/3 – op

 cb MNB EXT ARLK HTR
 LINE ZN 1,2 (two) – op
 STRUC Z1/2/3 – cl

 cb MNA EXT ARLK HTR VEST Z1/2/3 – cl
 √cb MNB EXT ARLK HTR VEST Z1/2/3 – op

MSG 116A - FD11 FLIGHT PLAN REVISION

3. FD11 SPACEHAB VIEWPORT VIOLATIONS

There are no viewport violations for FD11.

4. WORDS REGARDING SOLAR ARRAY TOOLS

During the airlock cleanup activities this morning we want to make sure that the effort spent building solar array contingency tools does not need to be repeated on 13A. For the tools staying on ISS and for those returning in the middeck, the Kapton tape can be left in place.

5. MS6 E-MAIL NOTE

Outlook for MS6: Post hatch closure, Thomas can access e-mail using the MS6 crew mail account.

6. REPLACE PAGES 2-38, 2-40 AND 3-116 THROUGH 3-123.

GMT 12/19/06 (353)

MET Day 009

		12	14	15	16	17	18	19	20	21	22	23	12/20	23	01	010/00
S T S - 1 1 6	FD11 CDR/R2 POLANSKY												SEP1^	SEP2^		
	PLT/IV OFELEIN															
	MS1/R1 PATRICK															
	MS2/EV1 CURBEAM															
	MS3/EV2 FUGLESANG															
D N	MS4 HIGGINBOTHAM															
	FE-2 REITER															
	ISS CDR LOPEZ-ALEGRIA															
E X P 1 4	FE-1 TYURIN															
	FE-2/EV3 WILLIAMS															
U P																
DAY/NIGHT																
ORBIT																
TDRS																
ORB ATT																
NOTES																

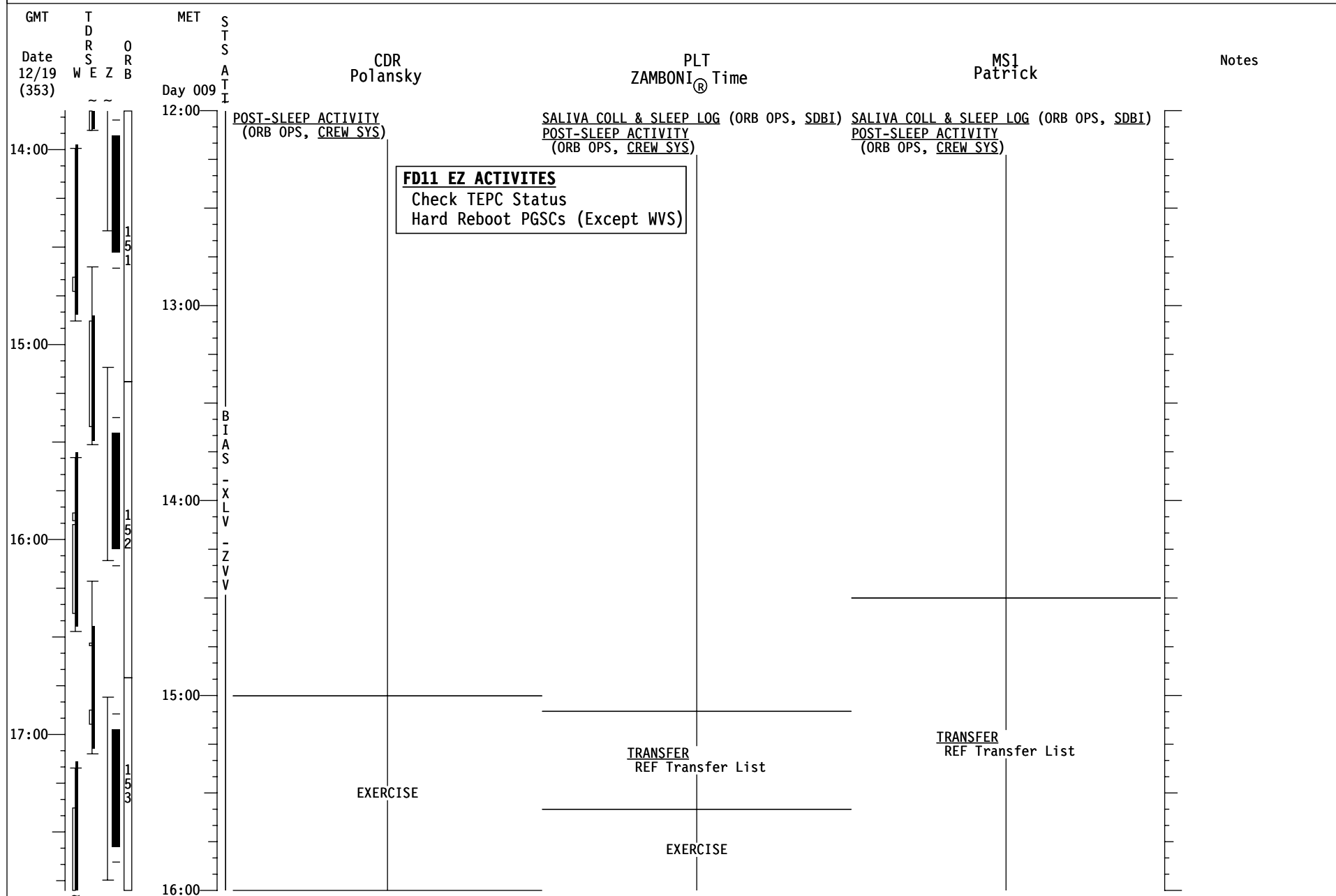
A horizontal ruler with two scales. The top scale is marked from 02 to 13. The bottom scale is marked from 01 to 11. The ruler is used to measure the length of the line segment from the start of the top scale to the end of the bottom scale.

MET Day 010

~~FLT PLN/116/FLIGHT~~

STS-116 FD 11

REPLANNED



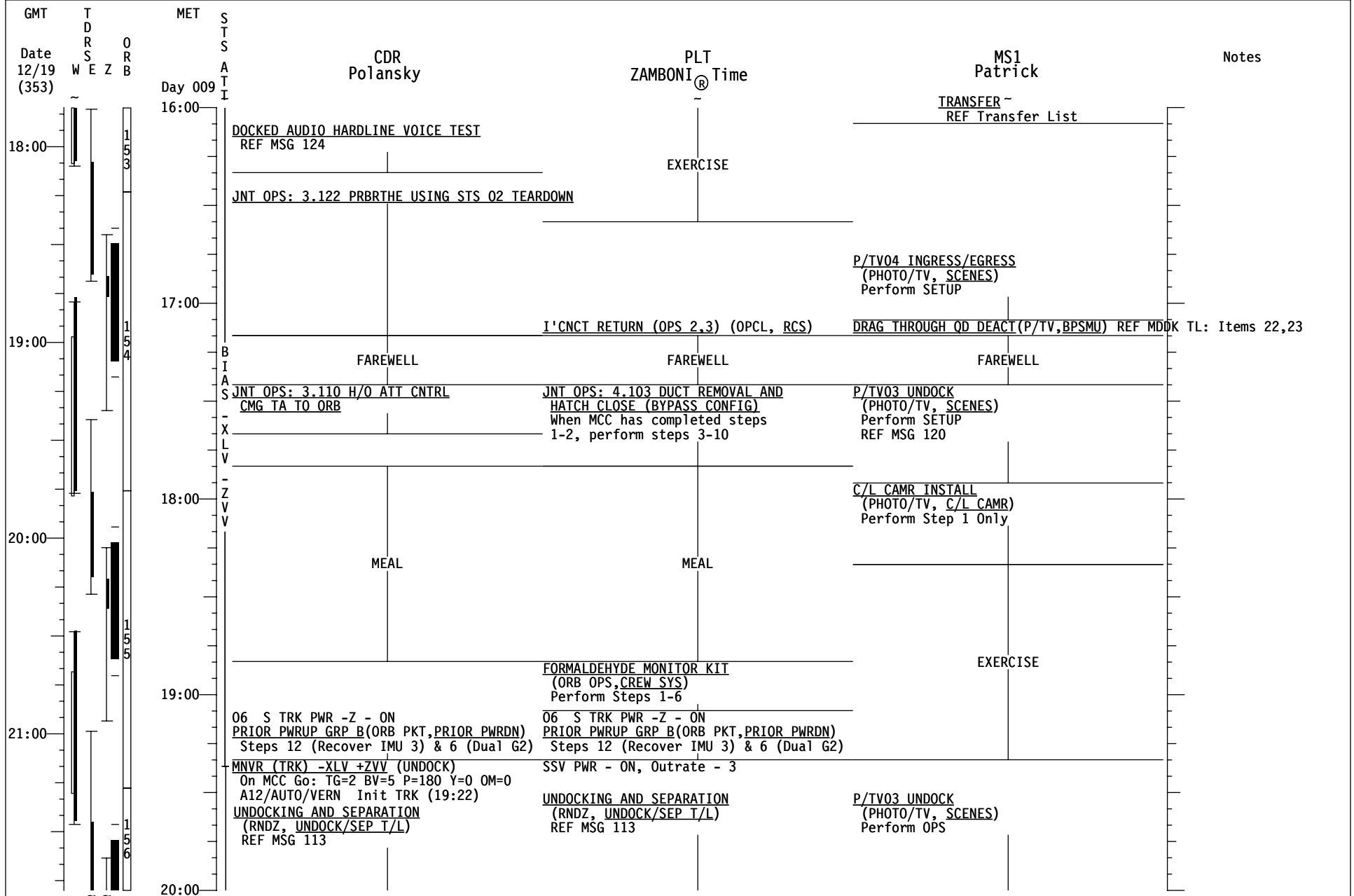
STS-116 FD 11

REPLANNED

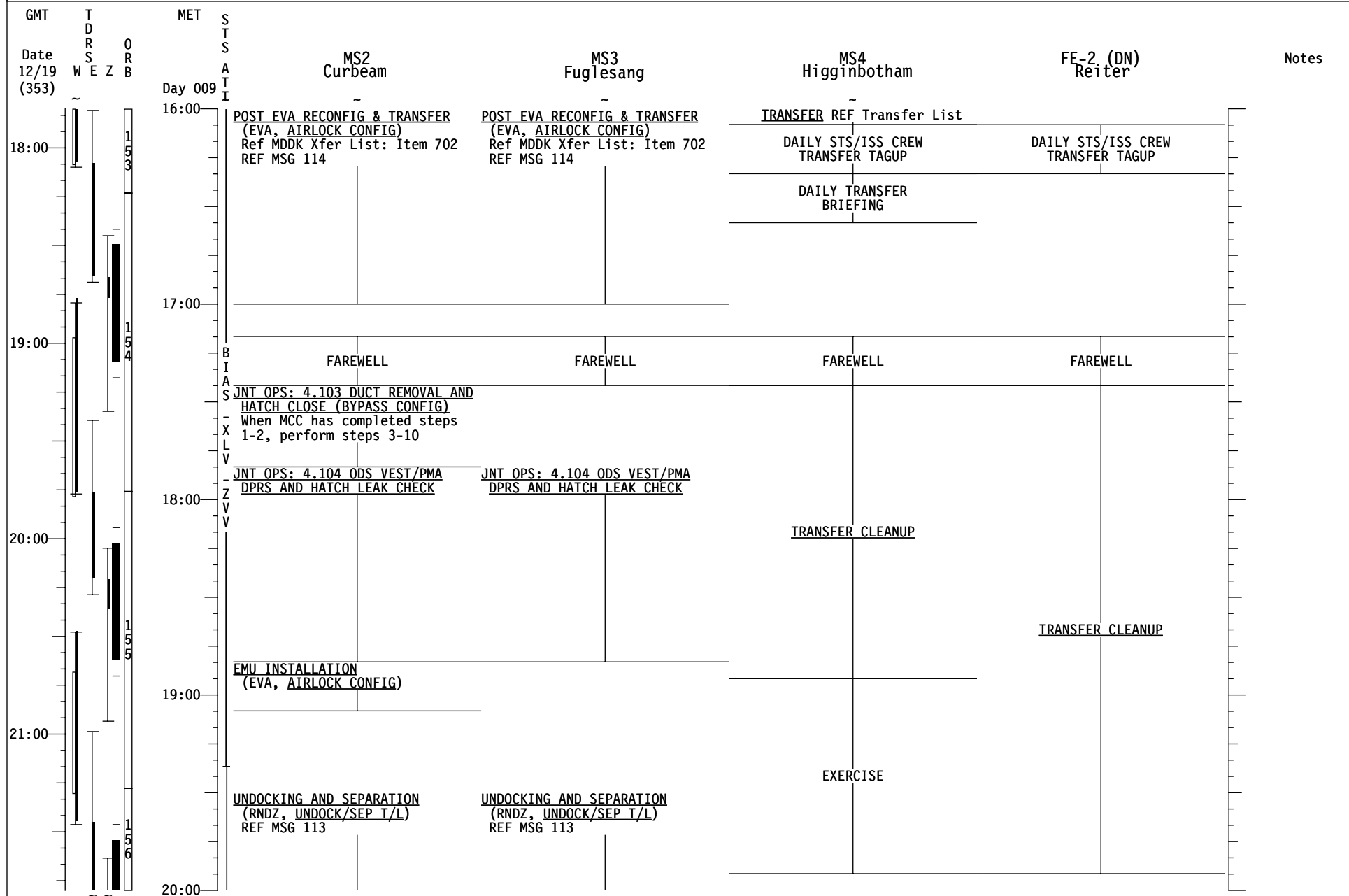
GMT Date 12/19 (353)	T D R S E Z	O R B	MET Day 009	S T S A T T I	MS2 Curbeam	MS3 Fuglesang	MS4 Higginbotham	FE-2 (DN) Reiter	Notes
14:00	~	~	12:00		EVA CREW:TAKE 1 ASPIRIN (325mg) <u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	EVA CREW:TAKE 1 ASPIRIN (325mg) <u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>POST-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS) <u>SH POST-SLEEP CONFIG</u> (SH OPS, QN-ORBIT)	SLEEP (8.5)	
15:00			13:00					POST SLEEP	
16:00			14:00	B I A S - X L V - Z V V				PREP WORK	
							DAILY TRANSFER LIST UPDATE REF MSG 118	DAILY PLANNING CONFERENCE	
17:00			15:00		POST EVA RECONFIG & TRANSFER (EVA, AIRLOCK CONFIG) Ref MDDK Xfer List: Item 702 REF MSG 114	POST EVA RECONFIG & TRANSFER (EVA, AIRLOCK CONFIG) Ref MDDK Xfer List: Item 702 REF MSG 114		PREP WORK	
							TRANSFER REF Transfer List	PODF: 2.001 12A.1 SAMPLE XFER TO DOUBLE COLDBAG REF MSG 14-0603 TROPI & IMMUNO Double Coldbag Pack Photos. (Icepac color in msg 14-0603 is for reference only & may vary) REF SH Xfer List: Item 102 & MDDK Xfer List: Item 701 9 Icepac Belts must be used when packing the Double Coldbag	
16:00								ISS P/TV: 2.730 760 EVA CAMERA DISASSEMBLY	

STS-116 FD 11

REPLANNED



STS-116 FD 11

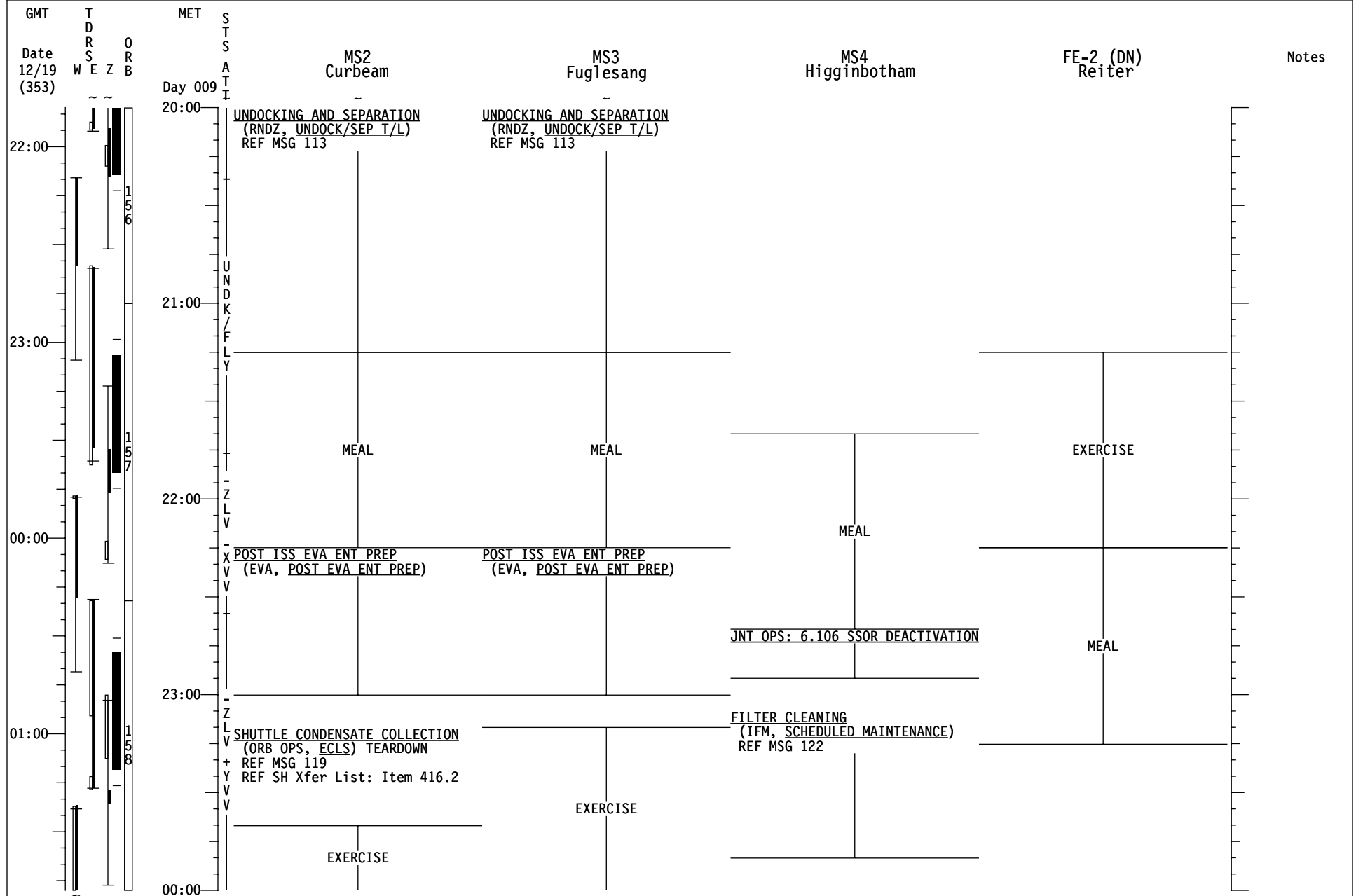
REPLANNED

STS-116 FD11

REPLANNED

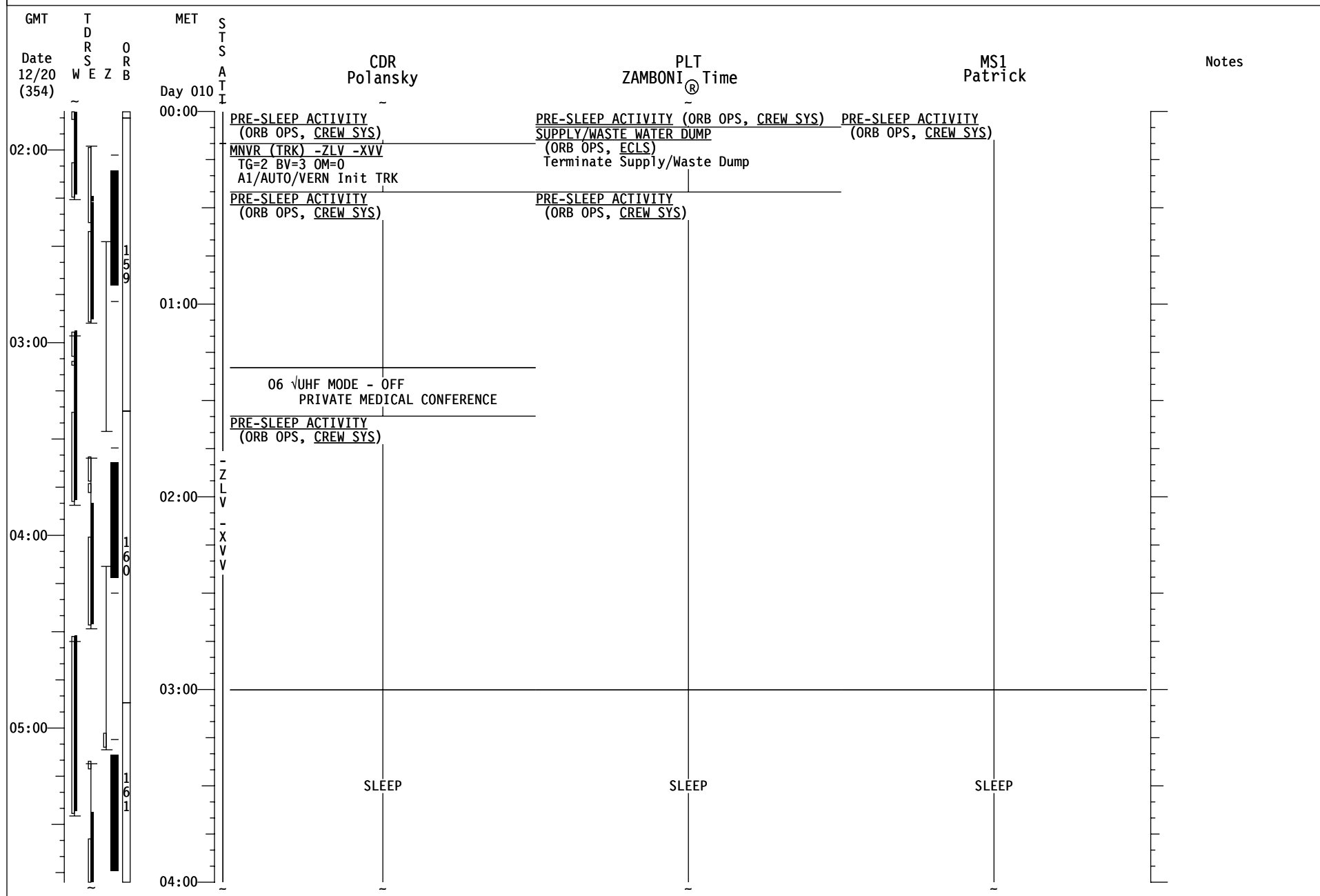
GMT Date 12/19 (353)	T D R S E Z	O R B	MET Day 009	S T S A T I	CDR Polansky	PLT ZAMBONI® Time	MS1 Patrick	Notes
22:00				UNDocking/ FLY	UNDocking AND SEPARATION (RNDZ, UNDOCK/SEP T/L) REF MSG 113 < UNDOCK 9/20:22 SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L) REF MSG 113	UNDocking AND SEPARATION (RNDZ, UNDOCK/SEP T/L) REF MSG 113 SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L) REF MSG 113	P/TV03 UNDOCK (PHOTO/TV, SCENES) Perform OPS	
23:00								UPLINK β21 + Box B1 -35<AZ<55 -23<EL<36
00:00					MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK (21:46) ON-ORBIT OMS BURN (ORB OPS, OMS)		P/TV03 UNDOCK (PHOTO/TV, SCENES) Perform DEACT, Step 3	UPLINK β21 + MASK
01:00					< SEP 3 TIG (22:27) MNVR (TRK) -ZLV +YVV TG=2 BV=3 OM=270 A1/AUTO/VERN Init TRK PRTY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12 (In Step 12, IMU 3 STBY-ITEM 23 EXEC)	SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Supply/Waste Dump REF MSG 119 SSV PWR - OFF	MEAL	UPDATE ORBITAL MNVR PAD
00:00					IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) + CABIN TEMP CONTROLLER RECNFG 2(1) (ORB OPS, ECLS) HEATER RECONFIG-CONFIG B (ORB OPS,EPS) REF MSG 116 Items 1 & 2 RCS REG RCNFG (ORB OPS, RCS) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	MO10W 14.7 CAB REG INLET SYS 2 - OP 02 REG INLET SYS 2 vlv - OP (Expect S66 CAB 02(N2) FLO 2) msg(s) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) UNDOCK KU TDRW (23:35-00:02)	

STS-116 FD 11

REPLANNED

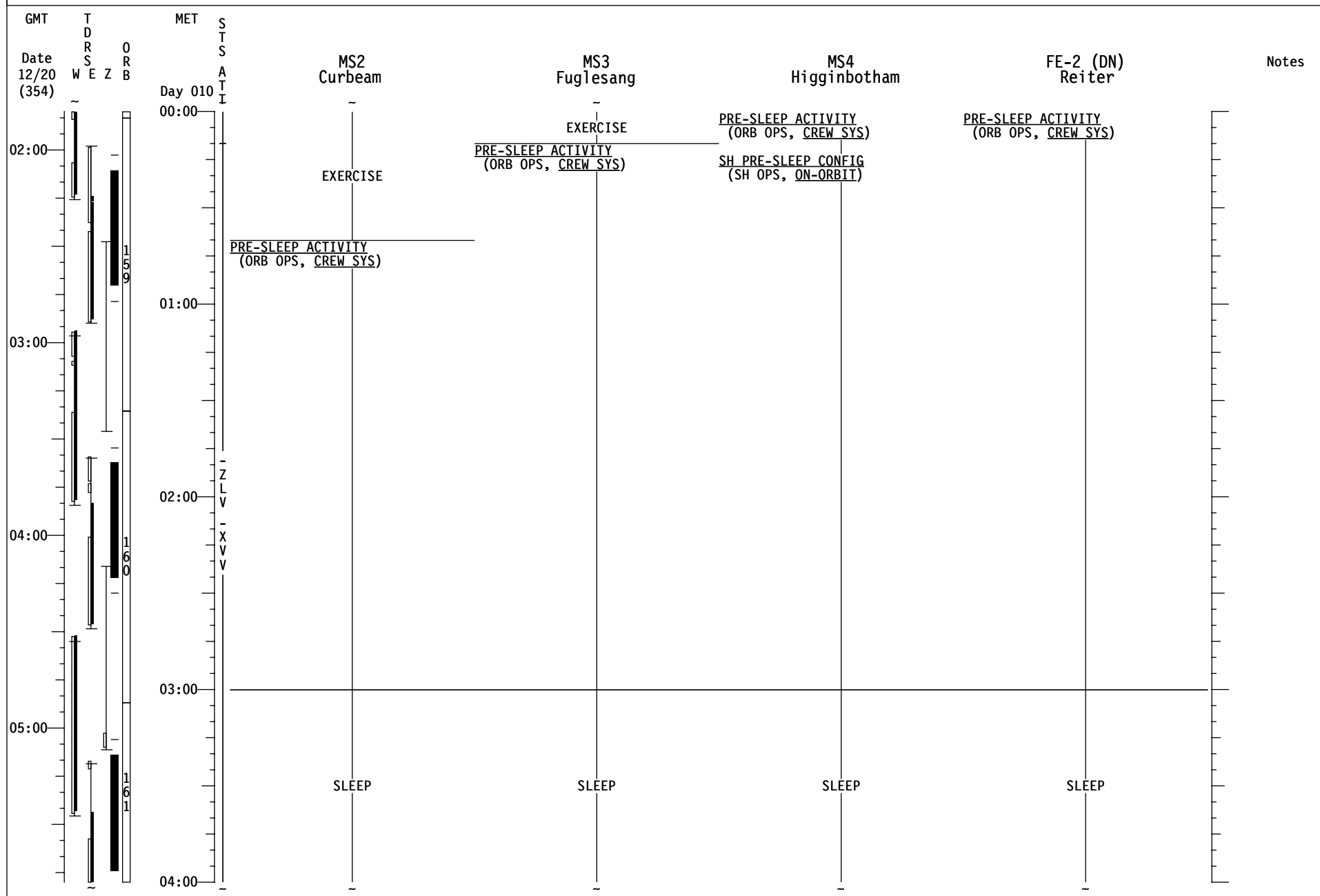
STS-116 FD 11

REPLANNED



STS-116 FD11

REPLANNED



MSG 117 (14-0635) - FD11 MISSION SUMMARY

Good Morning Discovery!!!!

There is not anything we can think of to top yesterday. Yesterday exceeded all expectation!!!! Therefore, you might as well pack up and come on home!!!!

As you look at the flight plan for today, you will notice a special gift to the pilot- a half lap fly around. (Pencils were sharpened and a way was found to squeeze it in.)

An interesting historical note is that today is the 34th anniversary of the splashdown of the Apollo 17 Command Module, America, with Gene Cernan, Ron Evans and Jack Schmitt aboard, ending the Apollo era.

YOUR CURRENT ORBIT IS: 193 X 176 NM

NOTAMS:

EDWARDS (EDW) - LAKEBEDS RED DUE TO RAIN
WHITE SANDS (NOR) - 17/23 GREEN (TOW WAY DAMP @ SOUTH END OF 17)
AMBERLY (AMB) -CLOSED
ANDERSEN (GUA) -06L/24R CLOSED, ALTERNATE 06R/24L
GANDER TACAN (YQX-74X) - AZIMUTH OUT OF SERVICE DME AVAILABLE
KEFLAVIK (IKF) - UNUSABLE
ORMOND BEACH TACAN (OMN-73X) - AZIMUTH OUT OF SERVICE
OCEANA (NTU) - 32R/14L CLOSED
RIO GALLEGOS (AWG) - UNUSABLE
SALSBURY TACAN (SBY-49X) - AZIMUTH OUT OF SERVICE
WAKE ISLAND (WAK) - CLOSED

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 157 - 9/21:49 (FEW120, 240/6P9)
EDW22 ORB 172 - 10/20:36 (SCT250, 260/4P6)

OMS TANK FAIL CAPABILITY:

L OMS FAIL: NO
R OMS FAIL: NO

LEAKING OMS PRPLT BURN:

L OMS LEAK: ALWAYS RETROGRADE
R OMS LEAK: ALWAYS RETROGRADE

OMS QUANTITIES(%)

L OMS OX = 44.1 R OMS OX = 45.3
FU = 44.1 FU = 45.8

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

MSG 117 (14-0635) - FD11 MISSION SUMMARY

DELTA V AVAILABLE:

OMS	390 FPS
ARCS (TOTAL ABOVE QTY1)	35 FPS
TOTAL IN THE AFT	425 FPS

ARCS (TOTAL ABOVE QTY2)	65 FPS
FRCS (ABOVE QTY 1)	34 FPS

AFT QTY 1	84 %
AFT QTY 2	46 %

THERE ARE NO FAILURE/IMPACT/WORK AROUNDS FOR TODAY.

Good morning Joanie, Nick, and STS-116 & Increment 14 crews!

WOW! What a great transfer flight! You're on the home stretch now. I know we've said it ten different ways, but you all really have done a wonderful job!

There's just a few items left to get across the hatches. We listed everything we are tracking as incomplete in today's choreography.

Transfer Status: Based on our conversation last night, you are currently 98% complete with resupply and 95% complete with return, for a total of **97% complete for all transfer ops.**

The Transfer List Excel file, FD11_Transfer_List_STS116.xls, is located on the KFX machine in **C:\OCA-upltransfer.**

For ISS, the Transfer List Excel file, FD11_Transfer_List_STS116.xls, is located in **K:\OCA-upltransfer.**

Transfer Notes

- Prior to hatch closure, please retrieve a KBO-M bag from ISS for stowing the shuttle condensate CWC (item 416.2) in Spacehab.
- Due to the ISS torque wrench failure, we'd like to swap it with one from Shuttle.
 - o Return the ISS (10-50 in-lbs) Trq Wrench, 1/4" Drive (Calibration Code: M206422). Stow in MF28H.
 - o There are 2 torque wrenches on Shuttle and we're analyzing which one to leave on ISS. Expect more information before hatch closure.
- FYI...you may be required to swap the Port Floor bags (Bag F and SH bag) due to stowing the Volume H bags in the SH bag. Expect to see direction from MMACS. We will not be updating the Transfer List to reflect this, since this would require you to change out several pages.
- We believe item 811.1 has been completed, please confirm.

Transfer Choreography

The following items are the only ones left:

MDDK:

Item 22: BPSMU Cables

Item 701: Double Coldbag (w/ samples from MELFI)

Item 702: EMU 3015

Item 710.3: 4th Plug Attach Bolt

Items 810 and 810.1: DCS760 Camera and 1.0GB Flash cards

Item 811: Suni Williams

Item 812: Thomas Reiter

SPACEHAB:

- Item 102:** Double Coldbag (for sample return)
- Item 416.2:** Shuttle condensate CWC (s/n 6008)
- Item 620:** Reiter crew preference bag
- Item 752:** AGB foam
- Item 803:** L-A crew preference bag
- Item 804:** Misha crew preference bag

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

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

Replace the following page:

Page Resupply 6

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

Replace the following page:

Page Return 8

In the Middeck Transfer List **SWAP** tab

Add the following page:

Page Swap 7

Changes to the Transfer List are detailed below:

MIDDECK RSPLY REAL TIME ADDITIONS

Item 811 – new item

Item 811.1 – new item

MIDDECK RTN REALTIME ADDITIONS

Item 812 – new item

MIDDECK SWAP

Item 811 – new item

Item 811.1 – new item

Item 812 – new item

Have a great last transfer day! We've really enjoyed working with you.

- Your Transfer Team

STS-116/12A.1 Resupply Transfer List

Chg Flag	☒	FD	Crew Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
				Middeck Resupply Real Time Additions							
	☒	8		800	BCR BATTERY - 4	1 ziplock	MD FLOOR STBD 2 (Bag D)		NOD104_A1 (in 0.5 CTB s/n 1189)		
	☒	8		801	LARGE CUTTER [p/n SEG33106915-303]	1	MD FLOOR STBD 1 (Bag C)		A/L1 Crewlock (in Crew Lock Staging Bag, s/n 1002) NODE Handrail		**Stage in Crew Lock Staging Bag AFTER EVA 3.
	☒	9		809	Tether, Waist (w/slide lock) [P/N SEG33106943-305] [s/n 1058]	1	EXT A/L FLOOR BAG		ISS Airlock Tether Staging Area	1.10	
				810	DCS760 Camera [p/n SEZ33113001-302, s/n 1013]	1	MF43K	STS deployed	ISS crew pref deployed	3.64	Remove card initially in camera and keep on STS for return. **Item 810.1 will be installed in camera prior to transfer.
				810.1	1GB EVA Flash Card [SEZ33118356-301, s/n crew pref]	2	MA16J		(in above item)		Verify all images have been downlinked from these cards. **Place both cards in DCS760 camera item 810. **Call down s/n of cards.
X			<u>See Swap Tab - FE-2</u>	<u>811</u>	<u>Suni Williams</u> [FE-2] [s/n #1]	<u>1</u>	<u>MDDK</u>	<u>See Swap Tab</u>		<u>N/A</u>	Transfer prior to FD11 timed activity Hatch Closure. **Transfer with plenty of food and water (and clothes of course) and extra earplugs for your crewmates.
X			<u>See Swap Tab - FE-2</u>	<u>811.1</u>	<u>ponytail</u>	<u>1</u>	<u>MDDK</u>	<u>See Swap Tab</u>		<u>N/A</u>	Remove ponytail from 811 prior to transfer of 811. Report final stowage location.

STS-116/12A.1 Return Transfer List

Chg Flag	☒	FD	Crew Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
					Middeck Return Realtime Additions						
	☒	9		805	LAB Condensate CWC [p/n SEG33113140-303] [s/n 1042]	1	NOD1P2		Vol H	71.00	Place CWC in one KBO-M bag (p/n 11Φ615.8715-0A15-01) from NOD1O4_B2 before packing in Vol H. **Fill any remaining open space in Vol H with soft goods. **This CWC will displace Inboard and Outboard Vol H bags. Stow these bags in MD FLOOR PORT 1 for return. **17 pieces of foam will need to be relocated from MD FLOOR PORT 1 to accommodate bags displaced from Vol H. Bag and stow the foam in the external airlock or in other locations (if desired). If all foam from MD FLOOR PORT 1 is stowed in the same location, report location to MCC-H.
	☒	9		808	Tether, Waist (w/slide lock) [red stripe] [P/N SEG33106943-305] [s/n 1106]	1	ISS Airlock		EXT A/L FLOOR BAG	2.76	**This tether came in from EVA2. It will be replaced with an STS contingency waist tether (ref item 809).
X			<u>See Swap Tab - FE-2</u>	812	Thomas Reiter [FE-2] [s/n 1]	<u>1</u>		<u>See Swap Tab</u>	MDDK	N/A	

STS-116/12A.1 Swap List

Chg Flag	☒	FD	Crew Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
				FE-2							
X				<u>811</u>	Suni Williams [FE-2] [s/n 1]	<u>1</u>	MDDK		ISS	N/A	<u>Transfer prior to FD11 timed activity Hatch Closure.</u> **Transfer with plenty of food and water (and clothes of course) and extra earplugs for your crewmates.
X				<u>811.1</u>	ponytail	<u>1</u>	MDDK		???	N/A	<u>Remove ponytail from 811 prior to transfer of 811. Report final stowage location.</u>
X				<u>812</u>	Thomas Reiter [FE-2] [s/n 1]	<u>1</u>	ISS		MDDK	N/A	<u>Transfer prior to FD11 timed activity Hatch Closure.</u> **Ensure FE-2 is returned with his cozy socks.

MSG 119A - FD11 WATER SUMMARY MESSAGE

Today there will be a SIMO Supply and Waste Water Dump, and Condensate Collection will be torn-down.

Simo Dump Details

At MET 09/22:45 perform a SIMO Supply and Waste Water Dump with the following details:

Perform SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) p. 5-2, Steps A, and C through J.

Dump Supply Water for 60 minutes.

The Waste Tank will be dumped to 5%. Waste dump valve open duration will be 35 minutes.

MCC will TMBU all limits.

Shuttle Condensate Collection Details

Perform TEARDOWN of SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) p. 5-36, Steps 1-2. The Condensate CWC should be transferred to SHAB per Transfer List Item 416.2. Stow all other Condensate Collection hardware in MF28H.

MSG 120 - PMA 2 X3 CONNECTOR PHOTOGRAPHY PROCEDURE

One of the potential sources of the Docked Audio failures is damage to the PMA-2 X3 connector causing intermittent connection. We would like to obtain some images of this connector during undocking to assist in troubleshooting.

The following procedure is the DCS 760 setup for the photography of the PMA2 X3 connector during sunlit undocking. The attached photo shows the location of the PMA2 X3 connector during undocking.

It is estimated that the shuttle will be approximately 10-15 ft away from PMA2 when the connector becomes visible out of W7 or W8. Please take 5-10 pictures of the connector.

Lens – 180mm

Pwr – ON

√Disk installed

Rear LCD

√Batt

√Frames remaining sufficient

√White Balance – Flash

ISO – 100

√BKT disabled

√Focus Area – Center, LOCK displayed

Exp. Comp – 0.0

Exp Mode – S

SS - 250

AF Area Mode – [] (no “+”)

Meter – Matrix

Diopter – Adjust

Film Adv – S

Body Focus Mode – S

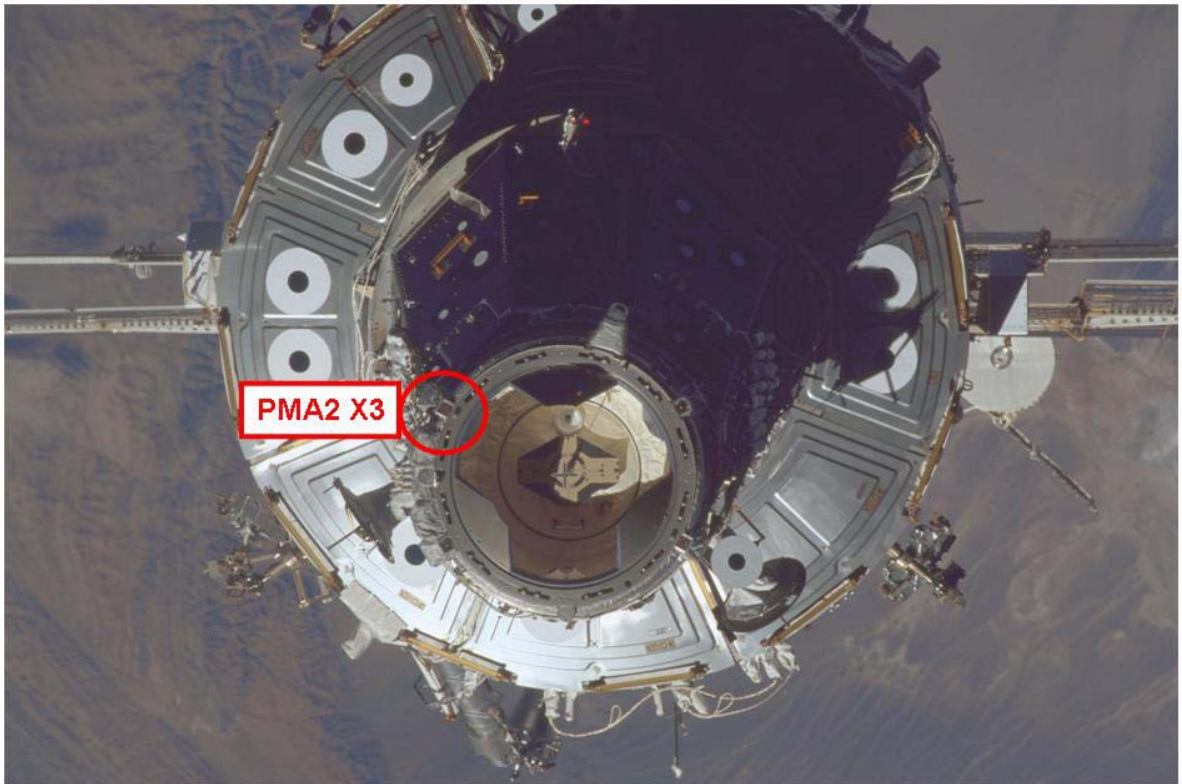
Lens Focus Mode – A

Aperture – Min, locked

Flash Settings

ON/OFF – OFF

MSG 120 - PMA 2 X3 CONNECTOR PHOTOGRAPHY PROCEDURE



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MSG 122 - SPACEHAB INLET DUCT SCREEN CHECK

- 1 When conducting IFM Filter Cleaning please inspect the Spacehab Inlet Duct Screen and
- 2 remove any debris found. The Inlet Duct is located on the middeck floor next to the forward
- 3 ARS hose screen. The following pictures show the location of the duct inlet and screen.

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S115E05857

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MSG 122 - SPACEHAB INLET DUCT SCREEN CHECK



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MSG 123 - MIDDECK STOWAGE UPDATES

1 With Joanie's successful relocation of the two Volume H bags to the Spacehab 5-MLE bag,
2 we must swap the two 5-MLE bags in the port floor stack in order to meet weight/c.g.
3 constraints. As shown in the attached descent locker layout, Bag SH is now at the MD Floor
4 Port 1 location, and Bag F is now at the MD Floor Port 2 location.

LW MAR

CDR MARK POLANSKY
PLT WILLIAM OEFELEIN
M/S #1 NICHOLAS PATRICK
M/S #2 ROBERT CURBEAM
M/S #3 CHRISTER FUGLESANG
M/S #4 JOAN HIGGINBOTHAM
M/S #5 (UP) SUNITA WILLIAMS
M/S #5 (DN) THOMAS REITER

MODULAR LOCKER LAYOUT DESCENT

PANTRY FOOD	1622 -308	MF57A	1622 -308	PANTRY FOOD	1622 -302
		PANTRY FOOD			

MF43C	MF57C 6020 -TBD HYGIENE MS#5 DN CLOTHING (BAGS FROM SPACEHAB) HCTB	MF57E 4033 -313 DC VACUUM CLEANER
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MIDDECK FORWARD

MF14E 2760 -TBD ITEM #634: ITCS ZIP ITEM #637 CWC SMPL PURGE BAGS 9912-301	MF28E/G
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MF14G	MF43G 6300 -337 IFM TOOLS 2163-302 2161-305 2162-306 MULTIMETER	MF57G	MF71G 9893 -TBD ITEM #431: SODF CAM BRKTS TPS HDWE EVA OHMTR HCTB
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MF14H	MF28H 7521 -324 SHUTTLE CSA-CP USED SUPA/FMK CONDENSATE COL NGRESS HARDWARE ALTIMETER	MF43H	MF57H	MF71H
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MF14K	MF28K	MF43K 6299 -311 COAS/BTA FLUOR LT LT SHIELDS AUDIO DOSIMETER	MF57K TBD RESERVED FOR FEET	MF71K TBD RESERVED FOR FEET
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MF14M	MF28M TBD	MF43M	MF57M	MF71M
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MF14O	MF28O	MF43O	MF57O TBD TROPI/IMMUNO SAMPLES ITEM#701: COLDBAG	MF71O
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LEADER: OMAR HASHEM
DATE: 12-18-06
LAUNCH: 12-9-06
FLIGHT: STS-116 ISS 12A.1
VEHICLE: OV-103
CREW: 7 PERSON 13 + 0 + 1 DAYS
RQMTS: NO RCRS, SLEEPING
BAGS, EXT A/L, ERGOMETER, RMS,
LW MAR, SRMS

MIDDECK AFT

MA9D	MA16D
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MA9F	MA16F
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MA9G 9007 -TBD STS-4 'WORLD MAP' ITEM #636: A31P A31P PWR SPLY (4)	MA16G 9009 -303 STS-6 'DOUG' STS-7 'WVS' ITEM #635: 760XD WLES
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MA9J	MA16J 9010 -306 ITEM #632: A31P ITEM #605: CD CASE PCS CARDS/CABLES PGSC ACCESSORIES
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MA9L 5962 -303 PRINTER TRAYS IODINE REMOVAL 6256-303	MA16L
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MA9N SOFT STWG BAGS	MA16N
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MD CEIL (PORT 1)	MD CEIL (PORT 2) 6665 -336 IELK
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MD CEIL (STBD 1)

MD CEIL (STBD 2)

MD CEIL (STBD 2)

MD CEIL (STBD 2)

MD CEIL (STBD 2)

MD FLOOR (PORT 2) 9895 -303 ACES (W)/G-SUIT/EMPTY HCTB ITEM#408/#707: POEMS CUSHNS CTB#412: CONTROL ASSY/MAS RESPIRATORY SUPPORT PACK HCTB#423: CSA-02 RESPLY KIT/ URINE TUBE DISP ASSY HCTB#429: RUSSIAN HARDWARE
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MD FLOOR (PORT 1) 0035 -301 VOLUME H BAGS HCTB#415: CHECS HCTB#402: GSCs(7)/SAMPLES HCTB#414: IMAKS/PCBA CART KT HCTB#421: GSCs(6)/SAMPLES HCTB#606: AIR SIEVE PK/PUMP N2 DRYER/O2 SCRUB/RECIRC HCTB#614: ISS PHOTO/VIDEO KIT
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MD FLOOR (STBD 2) 9015 -307 LAUNCH FOAM SPACEHAB DUCT RCC BOLTS ITEM #624: SWAB RTN KIT EMU H2O PROCESS KIT HCTB#413: TRO WRCH/HRM/IV PMP BATT/MIC/CSA BATTS
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MD FLOOR (STBD 1) 9903 -304 LAUNCH FOAM/CD WALLET ITEM #633: COLDBAG AMBIENT ICEPACS ITEM #625: CSA-CP STWG KIT ALSP CTB#427: RUSSN HDWE CONTAMIN DETECN KIT
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MD FLOOR (STBD 1) 9903 -304 LAUNCH FOAM/CD WALLET ITEM #633: COLDBAG AMBIENT ICEPACS ITEM #625: CSA-CP STWG KIT ALSP CTB#427: RUSSN HDWE CONTAMIN DETECN KIT
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MD FLOOR (STBD 1) 9903 -304 LAUNCH FOAM/CD WALLET ITEM #633: COLDBAG AMBIENT ICEPACS ITEM #625: CSA-CP STWG KIT ALSP CTB#427: RUSSN HDWE CONTAMIN DETECN KIT
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MD FLOOR (STBD 1) 9903 -304 LAUNCH FOAM/CD WALLET ITEM #633: COLDBAG AMBIENT ICEPACS ITEM #625: CSA-CP STWG KIT ALSP CTB#427: RUSSN HDWE CONTAMIN DETECN KIT
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VOL B (MA40/J)

DRY TRASH

VOL 3B (MA75/J)

A16

A17

VOL D (MD52C)

VOLUME F (MD76M)

VOLUME G (MD80R)

VOLUME H (MD23R)
ITEM 805:
LAB CONDENSATE
CWC

WMC (MA82H)

EXT AIRLOCK
EXCESS FOAM

ONLY THOSE LOCATIONS THAT CHANGE FOR RETURN ARE SHOWN

LIQH BOX	WINDOW SHADE BAG	L10A1: L10A2: L11: L11A2: A3 L12A1: L12A2: L12A3: R12A1: R12A2:	* NOT APPROVED CTB CARGO TRANSFER BAG HCTB HALF CARGO TRANSFER BAG SWAP
SPACEHAB STOWAGE 18 LIQH			
NOTE: LOCKER LAYOUTS ARE FOR REFERENCE ONLY & ARE NOT RELEASED DWGS. FOR RELEASED DRAWING, PLEASE REFER TO THE CREW COMPARTMENT CONFIGURATION DRAWING FOR THIS FLIGHT (SGD32104439)			

DWG NO. SGD32104439
CCMM: YVETTE CARMONA
(281) 483-3744
/USR/DWGS/LOCKER/STS116

MSG 124 (14-0643) - DOCKED AUDIO HARDLINE VOICE TEST

Page 1 of 1

The following steps are required by the shuttle crew in order to accomplish the Hardline Voice checkout.

1. On MCC go: Configure shuttle for voice check.

AIR AUD CTR UHF A/G1 - OFF
 √ UHF A/G 2 - OFF

AUD CTR SL PAGE - ON
 A/G 1 - ON

ICOM A - ON
√ AUD CTR SL A/A - OFF

2. Voice Check on Hardline Big Loop.

- Shuttle CAPCOM perform voice check on A/G 1.
- Station CAPCOM perform voice check on S/G 1.

3. On MCC go: Voice Check on ICOM A Loop.

- Shuttle Crew perform voice check on ICOM A.
- ISS Crew perform voice check on Public Call 3.
- Report outcome to **MCC-H**.

4. On MCC go: Perform Page function test.

- ISS Crew from LAB ATU perform Page count: pb → PAGE
- Shuttle Crew perform Page count: Panel R10 MS AUD PAGE - dn
- Report outcome to **MCC-H**.

5. On MCC go: Reconfigure for UHF Big Loop

AIR AUD CTR SL PAGE - OFF
 A/G 1 - OFF
 ICOM A - OFF

AUD CTR UHF A/G 1 - T/R

FD10 MMT Crew Summary

The MMT convened today for a short 35 minute meeting. The discussion centered on the remaining agenda as the mission activities get closer to undocking and entry. The orbiter systems continue to perform well with no new anomalies to consider. The team is eagerly looking forward to EVA 4 and watching you deliver yet another tremendous performance.

End-of-Mission Planning - The entry team is working to finalize the cryo and water plan for end-of-mission. At this time, there is a 2.5 hour cryo consumable margin, O2 limited, that protects a 13+1 mission. The goal will be to ensure 3 deorbit opportunities on both EOM and EOM+1 with respect to cryo and water and this goal looks very achievable. The final entry plan will be presented to the MMT on FD12.

Late Inspection - The MMT chairman encouraged everyone to voice their opinions on the risk trades between late inspection and the preservation of a weather wave off extension day. After examining the weather forecast from the Spaceflight Meteorology Group, this tradeoff will be re-evaluated during tomorrow's MMT on FD11.

Ground Radar Tracking - The Systems Engineering and Integration Office presented some ground radar tracking data that has been collected over the past two days. The C-band data, collected from the NASA Debris Radar (NDR) used by KSC to evaluate ascent debris, is being used to locate the socket and the DCS camera that are estimated to be beneath and in front of the ISS/Orbiter stack. Preliminary interpretation of the C-band radar data suggests that the DCS camera may have been located. State vector information is being extracted and sent to Mission Operations for further evaluation.

Transfer Status - According to the latest data, the Middeck and SpaceHab transfer is 92% complete.