STS-124 / 1J

FD 11 Execute Package

MSG	Page(s)	Title
093	1 - 16	FD11 Flight Plan Revision **(pdf)**
094	17 - 18	FD11 Mission Summary **(pdf)**
095	19 - 20	FD11 Transfer Message **(pdf)**
098	21	RPOP2 PGSC Transfer to ISS **(pdf)**
096	---	Stowage Locations for FD11 Plan (GMT 162) **(pdf - Electronic Only)**
097	---	ISS EVA Tool Stowage **(pdf - Electronic Only)**
099	---	FD11 PAO Event Summary - NBC News / KGO Radio, San Francisco, CA / FOX News Radio **(pdf - Electronic Only)**

Approved by FAO: *Jaime Marshik*

Last Updated: Jun 10 2008 5:47AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
093	FD11 Flight Plan Revision
094	FD11 Mission Summary
095	FD11 Transfer Message
096	Stowage Locations for FD11 Plan (GMT 162)
097	ISS EVA Tool Stowage
098	RPOP 2 PGSC Transfer to ISS
099	FD11 PAO Event Summary – NBC News / KGO Radio / Fox News Radio

1. Post Sleep Cryo Config

For today's cryo config prior to the H2O dump maneuver, additional O2 tanks will be activated to mitigate the effects of cryo tank destratification. Upon completion of the maneuver, EGIL will provide steps real-time to reconfigure to the nominal cryo config.

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

A11 CRYO TK4 HTR O2 A – AUTO

2. FD10 MMT Summary

The FD10 MMT met briefly to discuss mission progress and the MMT is not working any issues. The team thanks you for the great job on EVA 3 and both pairs of EVA gloves have been cleared. Enjoy some well deserved time off tomorrow.

3. FD11 Photo/TV Cable Reminder

For hatch closure, all video and audio cables between the shuttle and the QD box should be returned on Shuttle.

4. WLES Big Picture

After STS6 is transferred to ISS (per MSG098), WLES operations will be running in single laptop mode on STS7. After undock and flyaround, STS5 (RPOP) will be reconfigured as the WLES backup machine. WLES operations will terminate prior to PILOT OPS on FD14.

5. Middeck Handheld Microphone Replacement

To troubleshoot the Middeck Hand Held Microphone (HHM) fault which occurred last night, please swap out the flaky HHM with a spare stowed in MF28K or MF57O. Once the swap is complete, please perform a comm check on A/G #2 and provide the serial number of the new unit. If successful, this will confirm a good Middeck ATU.

6. EVA Stowage Notes

For today's planned shuttle EVA Stow activity scheduled for 9/17:40 MET (14:42 GMT), please refer to MSG 088 (17-0385). If you get ahead on your timeline, you can help the station folks out with the ISS EVA Tools Stowage post 1J, refer to MSG 097 (17-0391).

7. Middeck Duct Transfer & Stowage

You will be tearing down the Middeck Duct today during Hatch Closure and transferring the duct to ISS for stowage in the PMA. In JNT OPS: 4.102 SHUTTLE/ISS DUCT REMOVAL AND HATCH CLOSING Step 7 on p. 199, transfer the Middeck duct to PMA 2 per Transfer List Item 805.

8. Dump Equipment Pregather

In preparation for the CWC dump, gather the WWD filter and Y-Y hose, which were used for the FD8 dump. Also, gather Shuttle Condensate CWC S/N 5051, which was temp stowed FD10.

9. Simo Supply/Waste H2O Dump

Supply and waste water will be dumped simultaneously. Once the waste dump is complete, Shuttle Condensate CWC S/N 5051 will be dumped through the waste line.

Prior to opening either dump valve, verify with MCC-H in proper dump attitude.

Perform a simo supply/waste water dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) p. 5-2. MCC will TMBU limits in steps B and K.

The supply water dump will be 50 minutes.

Dump the waste tank to 5%. Waste dump nozzle open time will be ~20 minutes. After step I-3 (dump termination), proceed directly to CWC OVERBOARD DUMP (see item 10 below).

10. Condensate CWC Dump

Perform CWC OVERBOARD DUMP (ORB OPS, ECLS) to dump Shuttle Condensate CWC S/N 5051. Begin with Step A then go to Step D. DO NOT initiate the CWC dump until a waste nozzle bakeout to 250 is accomplished. Step C (Heater Activation) is not required; the heater was left on after the Waste Water Dump. MCC will TMBU limits.

Waste dump nozzle open time will be ~60 minutes. Stow CWC S/N 5051 for entry in Middeck Floor Port 2 (Bag B).

11. Question for Aki, Karen

The restow location for the MRK Portable Fan Assy (Qty 2, P/N SEG11100291-703) was not listed in the FD10 Stowage Note for JLP INGRESS. If you have not done so already, please stow them with the other restow items listed in the stowage note for this task in JEM Bag 16 (B/C JBAG0016N).

12. Answer for Aki

DOUG on SSC 15 in the JPM. Turns out that that machine was not on the network when the .ini files were updated. We sent up the new files, when you next start DOUG it should start receiving data (PCS DAS).

13. Outlook Files

In preparation for Undock, please move all e-mails from your Sent Items, Inbox, and Work Related (uplinked by CAPCOM) to your Personal (PST) folders. This will help expedite Mail Syncs post-Undock when OCA is limited by the STS Ku bandwidth.

14. Imagery Cards

Since we've been taking advantage of ISS Ku for imagery downlinks, please place any imagery cards you may have left for downlink into STS3/KFX or STS7/WLES.

15. REPLACE PAGES 2-36, 2-38, 2-40 and 3-114 THROUGH 3-123.

06/10/08 00:13:52 **REPLANNED**

GMT 06/09/08 (161) 22 23 06/10 01 02 03 04 05 06 07 08 09

MET Day 009 009/00 01 02 03 04 05 06 07 08 09 10 11 12

FD10

STS-124	CDR KELLY	CREW CONF	CREW PHOTO	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP		POST SLEEP
STS-124	PLT HAM	CREW CONF	CREW PHOTO	PRE SLEEP			SLEEP		POST SLEEP
STS-124	MS1 NYBERG	CREW CONF	CREW PHOTO	PRE SLEEP			SLEEP	LOG	POST SLEEP
STS-124	MS2 GARAN	CREW CONF	CREW PHOTO	PRE SLEEP			SLEEP	LOG	POST SLEEP
STS-124	MS3 FOSSUM	CREW CONF	CREW PHOTO	PRE SLEEP			SLEEP		POST SLEEP
STS-124	MS4 HOSHIDE	CREW CONF	CREW PHOTO	PRE SLEEP			SLEEP		POST SLEEP
DN	FE-2 REISMAN	CREW CONF	CREW PHOTO	PS			SLEEP (8.5)	SLVA	PS
EXP 17	ISS CDR VOLKOV	CREW CONF	CREW PHOTO	PS			SLEEP (8.5)		PS
EXP 17	FE-1 KONONENKO	CREW CONF	CREW PHOTO	PS			SLEEP (8.5)		PS
UP	FE-2 CHAMITOFF	CREW CONF	CREW PHOTO	PS	DRY		SLEEP (8.5)		PS

STS

ORBIT 143 144 145 146 147 148 149 150

DAY/NIGHT

TDRS W -171 E -46 Z 275

ORB ATT BIAS -XLV -ZVV

NOTES

06/10/08 00:13:52 **REPLANNED**

GMT 06/10/08 (162) — 12 13 14 15 16 17 18 19 20 21 (10 11 12 13 14 15 16 17 18 19 20 21 010/00)

MET Day 009

STS-124	**FD11** CDR KELLY	POST SLEEP	XFER UPDTE	EXERCISE	BSA^	N2 XFER TERM	O2 SYS TEARDOWN	MDDK XFER	XTAGUP XFER BRIEF	MEAL	OFF DUTY	SAYO	HATCH CLOSE	ODS LEAK CHECK
STS-124	PLT HAM	POST SLEEP	EQUIP ATHO* MNVR	SIMO INIT	WST# FCMS OPS	STERM INMU CMNV-T	MDDK XFER ATHO* MDDK XFER	FLTR CLN - INSPECT	EXERCISE	MEAL	OFF DUTY	NARA	GAP ACT ATHO*	RNDZ TOOLS C/O
STS-124	MS1 NYBERG	POST SLEEP	EXERCISE	BDS SETUP	MEAL	OFF DUTY	SAYO	HATCH CLOSE	RNDZ TOOLS C/O
STS-124	MS2 GARAN	POST SLEEP	PGSC XFER	MDDK XFER	EXERCISE	EVA STOW	MEAL	OFF DUTY	NARA	HATCH CLOSE	PRE SLEEP
STS-124	MS3 FOSSUM	POST SLEEP	P/TV8	P/TV08 EXTRNL SURVEY	MDDK XFER	PTV05 DEACT P/TV 04 S/U	EVA STOW	MEAL	OFF DUTY	SAYO	FMK DPLY	EXER CISE
STS-124	MS4 HOSHIDE	POST SLEEP	EXERCISE	POST SLEEP	BDS SETUP	MEAL	OFF DUTY	NARA	HATCH CLOSE	ODS LEAK CHECK
DN	FE-2 REISMAN	PS	PW	DPC	HANDOVER	CEVIS	RED	DCB 1J PACK	CGBA5 RMV	HANDOVER	MEAL	HANDOVER	PAOSU	PAO EVENT	HANDOVER	SAYO	HATCH CLOSE
EXP 17	ISS CDR VOLKOV	PS	PW	DPC	ВОЗД МНТ	CMS ANLZ	МБИ-21-CDR-EXE	TVIS	MEAL	IMS	VELO + RED	EXER	PW	NARA	HATCH CLOSE	PW
EXP 17	FE-1 KONONENKO	PS	PW	DPC	МБИ-21-FE1-EXE	КАБ SEARCH	N2 XFER TERM	O2 SYS TEARDOWN	TVIS	MEAL	ИП-1 МНТ	CEVIS	VTRS	PW	SAYO	HATCH CLOSE	PW	PS
UP	FE-2 CHAMITOFF	PS	PW	DPC	HANDOVER	SLVA BLOOD S/U	JRNL	CEVIS	BLOOD DRAW SUBJ	DCB 1J PACK	STOW RWS DCB XFER	HANDOVER	MEAL	HANDOVER	PAOSU	PAO EVENT	HANDOVER	NARA	HATCH CLOSE	PW

STS

ORBIT: 151 152 153 154 155 156 157 158

DAY/NIGHT

TDRS W -171 E -46 Z 275

ORB ATT: BIAS -XLV -ZVV | BIAS -XLV +YVV | BIAS -XLV -ZVV

NOTES: *CMG TO STS ^RECHARGE TERM *STS TO CMG #WASTE TERM/COND INIT *CMG TO STS

DUAL COMM TESTS

06/10/08 00:13:52 **REPLANNED**

GMT 06/10/08 (162) 010/00 22 01 23 02 06/11 03 01 04 02 05 03 06 04 07 05 08 06 09 07 10 08 11 09 12

MET Day 010

STS-124	**FD11** CDR KELLY	ODS LEAK CHECK	N2-TANK BLEED	PRE SLEEP			PMC A/G	PRE SLEEP																POST SLEEP	
	PLT HAM	RNDZ TOOLS C/O	ATHOS*	PRE SLEEP																				POST SLEEP	
	MS1 NYBERG	RNDZ TOOLS C/O	PRE SLEEP																			LOG	POST SLEEP		
	MS2 GARAN	PRE SLEEP	EMU INST	PRE SLEEP																		LOG	POST SLEEP		
	MS3 FOSSUM	EXER CISE	EMU INST	PRE SLEEP																		SLVA	POST SLEEP		
	MS4 HOSHIDE	ODS LEAK CHECK	PRE SLEEP																			SLVA	POST SLEEP		
	MS5 REISMAN		PRE SLEEP																			SLVA	POST SLEEP		
EXP 17	ISS CDR VOLKOV	DPC	PS			PMC	PS																	PS	
	FE-1 KONONENKO	DPC	PS		PS	PMC	PS		♣													⊕	PS		
	FE-2 CHAMITOFF	DPC	PS	PMC	PS																			PS	

STS

ORBIT: 159 160 161 162 163 164 165 166

DAY/NIGHT

TDRS W -171 E -46 Z 275

ORB ATT: BIAS -XLV -ZVV

NOTES: *STS TO CMG ^I'CNCT RETURN ♣МБИ-12-EXP-INIT ⊕МБИ12 DCNCT

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATI

08:00 09:00 10:00 11:00 12:00

06:00 07:00 08:00 09:00

148 149 150

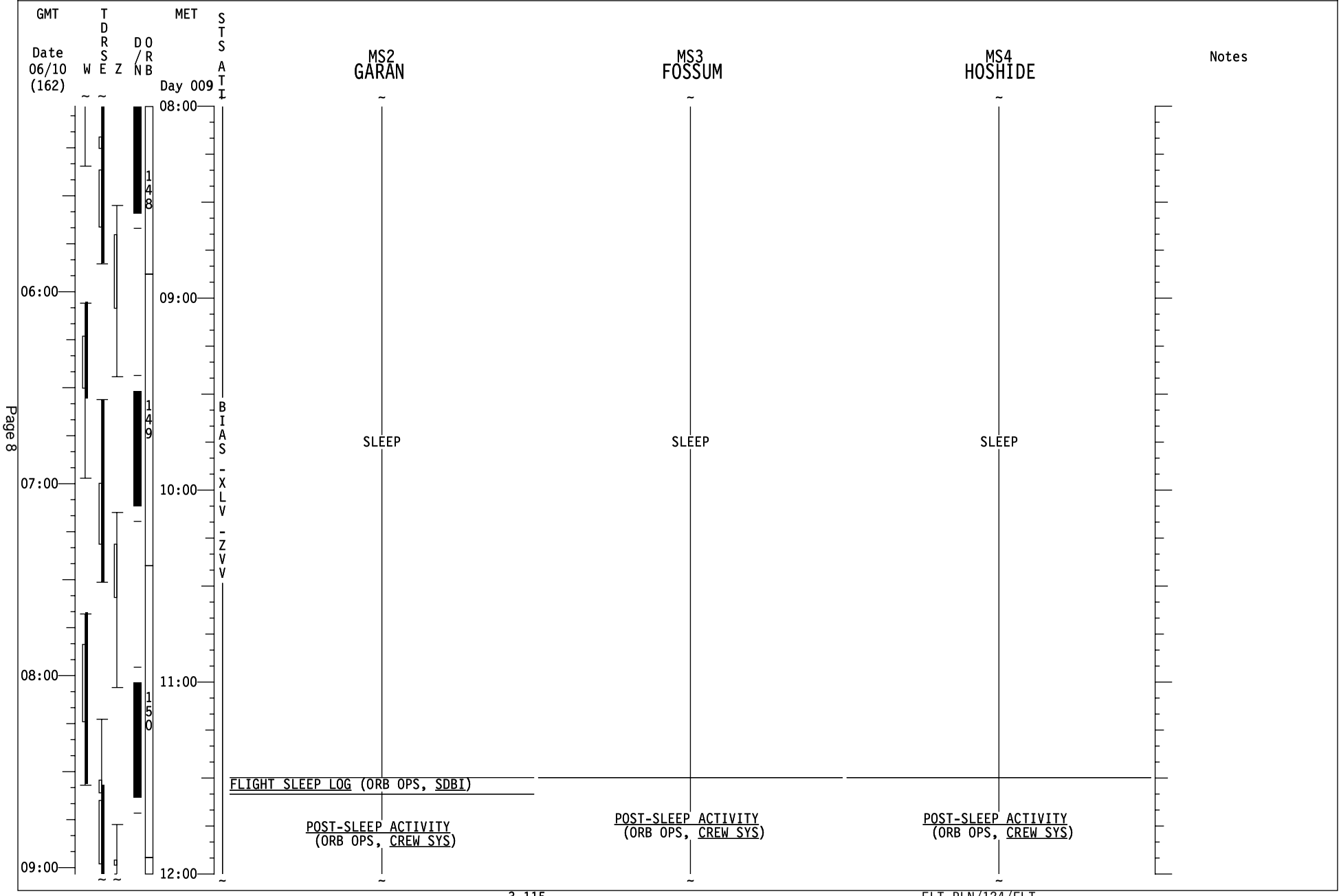
BIAS-XLV-ZVV

CDR KELLY	PLT HAM	MS1 NYBERG	Notes
SLEEP	SLEEP	SLEEP	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FLIGHT SLEEP LOG (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

FD11 EZ ACTIVITES
√OCAC FILTER & MDDK DUCT SCREEN
HARD REBOOT ALL PGSCs EXCEPT:
STS-7(WLES),STS-6(RPOP2),&
OCA ROUTER.

STS-124 FD11

REPLANNED



STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATT

CDR KELLY | PLT HAM | MS1 NYBERG | Notes

12:00 13:00 14:00 15:00 16:00

10:00 11:00 12:00 13:00

151 152 153

BIAS -XLV -ZVV

BIAS -XLV +YVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

A SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS)
Terminate Waste Dump
CWC OVERBOARD DUMP
(ORB OPS, ECLS)
Initiate Condensate Dump
Ref. MSG 093, Item 10

DUMP EQUIPMENT PREGATHER
Ref. MSG 093, Item 8

√MCC for proper DAP config for ATT H/O
When ISS is Free Drift,DAP:LVLH,
when rates < 0.1,DAP:AUTO

TRANSFER UPDATE
Ref. Transfer List & MSG 095

MNVR (TRK) BIAS -XLV +YVV (SIMO DUMP)
TG=2 BV=5 P=166 Y=353 OM=195
A12/AUTO/VERN Init TRK

SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS) INIT
Ref. MSG 093, Item 9

EXERCISE

EXERCISE

ASSY OPS: 4.017 JEMRMS BDS SETUP PART 1
Steps 1-3, 4.5, 4.6, 6, 8, 10.5, & 11.
Ref. MSG 096

WASTE TERM/CONDENSATE INIT A

FC MONITORING SYS (FCMS) OPS
(ORB OPS, EPS)

EVA SYS: 1.605 BSA BATTERY RECHARGE -TERM

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATI

MS2 GARAN | MS3 FOSSUM | MS4 HOSHIDE | Notes

12:00 13:00 14:00 15:00 16:00

10:00 11:00 12:00 13:00

151 152 153

BIAS-XLV-ZVV

BIAS-XLV+YVV

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EXERCISE

PGSC TRANSFER
Ref. MSG 098 & Transfer List: Item 804

P/TV08 EXTERNAL SURVEY
(PHOTO/TV, SCENES)
Perform SETUP

P/TV08 EXTERNAL SURVEY
(PHOTO/TV, SCENES)
Perform OPS, Item 2

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MIDDECK TRANSFER
Ref. Transfer List: Item 24,701,703,705

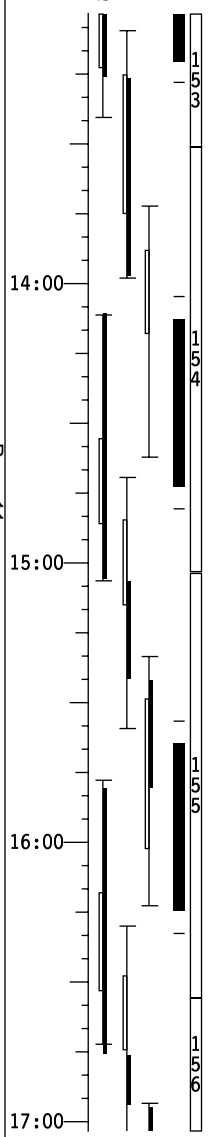
ASSY OPS: 4.017 JEMRMS BDS SETUP PART 1
Steps 1-3, 4.5, 4.6, 6, 8, 10.5, & 11.
Ref. MSG 096

MIDDECK TRANSFER
Ref. Transfer List:
Item 403.3,710-713,904

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATT



16:00 17:00 18:00 19:00 20:00

BIAS -XLV -ZVV

CDR KELLY

JOINT OPS: 3.103 NITROGEN TRANSFER TERM
Steps 3.2-5.1
Ref. MSG 096

JOINT OPS: 3.122 PREBREATHE USING SHUTTLE O2 TEARDOWN, Steps 2-End
Ref. MSG 096

MIDDECK TRANSFER
Ref. Transfer List:
Items 700,702,706,715

DAILY STS/ISS CREW TRANSFER TAGUP

TRANSFER BRIEF
Call down status to MCC

MEAL

PLT HAM

SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS)
Terminate Supply Dump

IMU STAR OF OPTY ALIGN (ORB OPS, GNC)

CWC OVERBOARD DUMP (ORB OPS, ECLS)
Terminate Condensate Dump

MNVR (TRK) BIAS -XLV -ZVV
TG=2 BV=5 P=166 Y=353 OM=190
A12/AUTO/VERN Init TRK

MIDDECK TRANSFER
Ref. Transfer List: Items 704.8

When ISS is GO for attitude control,DAP:FREE

MIDDECK TRANSFER
Ref. Transfer List: Items 704

FILTER CLEANING
(IFM, SCHEDULED MAINTENANCE)
Inspect filters and clean
as necessary
(Locker: MA16G)

EXERCISE

MEAL

MS1 NYBERG

ASSY OPS: 4.017 JEMRMS BDS SETUP PART 1
Steps 1-3, 4.5, 4.6, 6, 8, 10.5, & 11.
Ref. MSG 096

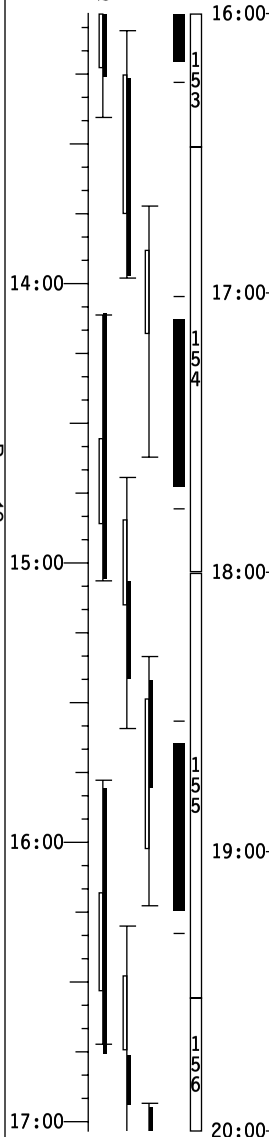
MEAL

Notes

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATI | MS2 GARAN | MS3 FOSSUM | MS4 HOSHIDE | Notes



16:00 – 20:00

MS2 GARAN

MIDDECK TRANSFER
Ref. Transfer List: Item 24,701,703,705

EXERCISE

EVA STOW
(EVA, AIRLOCK CONFIG)
Ref. MSG 088

MEAL

MS3 FOSSUM

MIDDECK TRANSFER
Ref. Transfer List:
Item 403.3,710-713,904

P/TV05 ISS INTERNAL OPS
(PHOTO/TV, SCENES)
Perform DEACT,Step 2

P/TV04 INGRESS/EGRESS
(PHOTO/TV, SCENES)
Perform SETUP

EVA STOW
(EVA, AIRLOCK CONFIG)
Ref. MSG 088

MEAL

MS4 HOSHIDE

ASSY OPS: 4.017 JEMRMS BDS SETUP PART 1
Steps 1-3, 4.5, 4.6, 6, 8, 10.5, & 11.
Ref. MSG 096

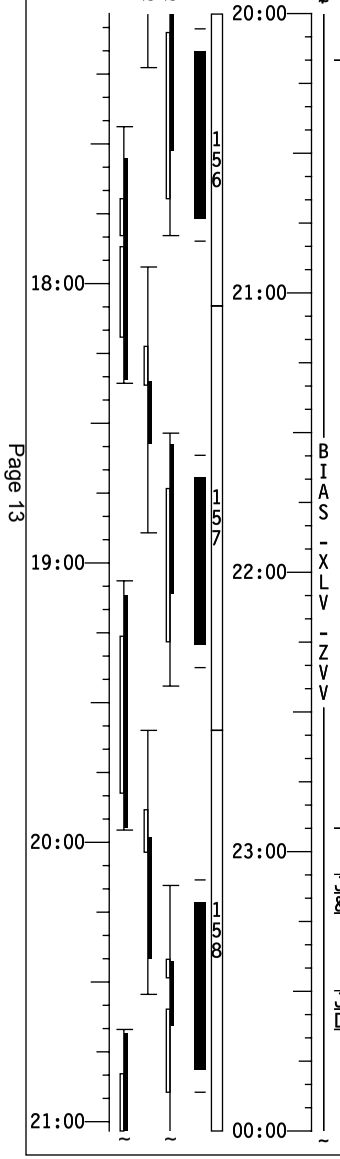
MEAL

BIAS - XLV - ZVV

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATI



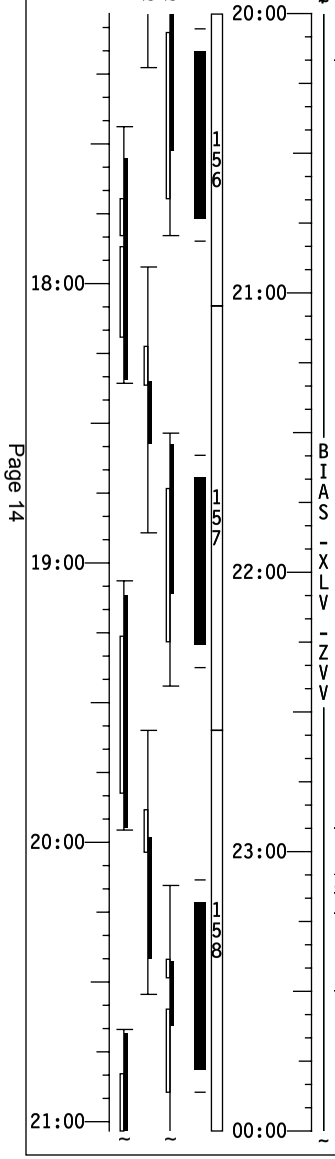
BIAS - XLV - ZVV

CDR KELLY	PLT HAM	MS1 NYBERG	Notes
MEAL	MEAL	MEAL	
OFF DUTY	OFF DUTY	OFF DUTY	
SAYONARA	SAYONARA	SAYONARA	
JOINT OPS: 4.102 STS/ISS DUCT RMVL & HATCH CLOSING Ref. MSG 093, Item 7 Ref. Transfer List: Item 805	GAP ACTIVATION (Locker: MF43E) (ASSY OPS, PAYLOADS) Activate GAP 8 √MCC for proper DAP config for ATT H/O When ISS is Free Drift,DAP:LVLH, when rates<0.1,DAP:AUTO	JOINT OPS: 4.102 STS/ISS DUCT RMVL & HATCH CLOSING Ref. MSG 093, Item 7 Ref. Transfer List: Item 805	
JOINT OPS: 4.104 ODS VEST/PMA DPRS AND HATCH LEAK CHECK Depress ODS Vestibule Only	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	UPDATE TFL 192

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 009 | STS ATI



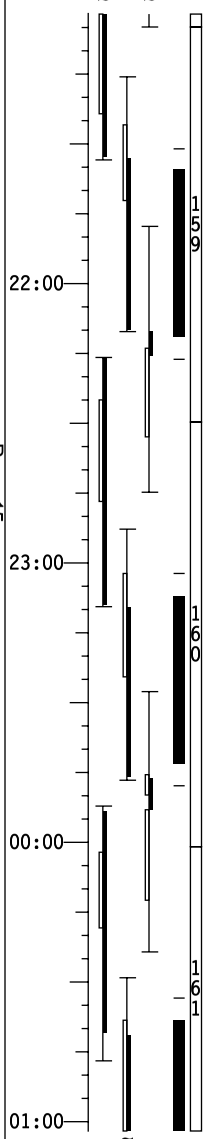
MS2 GARAN	MS3 FOSSUM	MS4 HOSHIDE	Notes
MEAL	MEAL	MEAL	
OFF DUTY	OFF DUTY	OFF DUTY	
SAYONARA	SAYONARA	SAYONARA	
JOINT OPS: 4.102 STS/ISS DUCT RMVL & HATCH CLOSING Ref. MSG 093, Item 7 Ref. Transfer List: Item 805	FORMALDEHYDE MONITOR KIT (ORB OPS,CREW SYS) Perform Steps 1-6	JOINT OPS: 4.102 STS/ISS DUCT RMVL & HATCH CLOSING Ref. MSG 093, Item 7 Ref. Transfer List: Item 805	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EXERCISE	JOINT OPS: 4.104 ODS VEST/PMA DPRS AND HATCH LEAK CHECK Depress ODS Vestibule Only	

BIAS - XLV - ZVV

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | TDRSE | Z | D/N | ORB | MET Day 010 | STS ATT | CDR KELLY | PLT HAM | MS1 NYBERG | Notes



00:00 01:00 02:00 03:00 04:00

BIAS - XLV - ZVV

CDR KELLY

JOINT OPS: 4.104 ODS VEST/PMA
DPRS AND HATCH LEAK CHECK
Depress ODS Vestibule Only

N2 REPRESS USING P/L N2 VALVES B
M069 LEH O2 8 vlv - OP

B (ORB OPS, ECLS) Steps 9-13 for PCS 1
MCC will TMBU SM limits

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
Perform Via A/G 2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

PLT HAM

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

When ISS is GO for attitude control, DAP:FREE
I'CNCT RETURN (OPS 2,3) (OPCL, RCS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS1 NYBERG

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

Notes

UPDATE
TFL 184

WAKE UP AT 10/11:00

STS-124 FD11

REPLANNED

GMT Date 06/10 (162) | W | T D R S E | Z | D / N | O R B | MET Day 010 | STS ATI

MS2 GARAN | MS3 FOSSUM | MS4 HOSHIDE | MS5 REISMAN | Notes

00:00 | 01:00 | 02:00 | 03:00 | 04:00

22:00 | 23:00 | 00:00 | 01:00

159 | 160 | 161

BIAS-XLV-ZVV

WAKE UP AT 10/11:00

MS2 GARAN	MS3 FOSSUM	MS4 HOSHIDE	MS5 REISMAN
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EXERCISE	JOINT OPS: 4.104 ODS VEST/PMA DPRS AND HATCH LEAK CHECK Depress ODS Vestibule Only	
EMU INSTALLATION (EVA, AIRLOCK CONFIG)	EMU INSTALLATION (EVA, AIRLOCK CONFIG)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SLEEP	SLEEP	SLEEP	SLEEP

MSG 094 - FD11 MISSION SUMMARY

Good Morning Discovery!!!

The entire European ATV team, including the Chief Engineer and the Lead Mission Manager, want to thank you for the photos you took of ATV and its lifted MLI during rendezvous. The photos were excellent and very valuable.

Enjoy your last full day of combined ops!!!!

YOUR CURRENT ORBIT IS: 185 X 181 NM

NOTAMS:

EDW – LAKEBED RUNWAY 15/33 ELS ONLY. OTHER LAKEBED RWYS RED.
NOR – LAKEBED RUNWAYS GREEN.
NTU – NGU TACAN CH CHANGED TO 86Y.
YJT – TACAN CH 78 DME ONLY.
HAW – RWY 31 CLOSED. RWY 13 TODA 8,994'.
WAK – CLOSED. NOT USABLE.
IKF – NOT USABLE. NO AGREEMENT.
BEN – NOT RECOMMENDED/NOT SUPPORTED.
ZZA – FIRST 600M (~2,000') OF RWY 30L NOT AVAILABLE. 10,200' REMAINING.
YHZ – RWY 05/23 CLOSED..

NEXT 2 PLS OPPORTUNITIES:

NOR23	ORB	156 – 9/20:21	SKC	210/15P25
EDT22R	ORB	172 – 10/20:42	SCT250	260/10P16

OMS TANK FAIL CAPABILITY:

L OMS FAILS: NO
R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

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

OMS QUANTITIES(%)

L OMS OX = 30.3 R OMS OX = 30.3
FU = 29.9 FU = 30.3

SUBTRACT INTERCONNECT COUNTER TO OBTAIN CURRENT OMS QUANTITIES

END OF PAGE 1 OF 2, MSG 094

DELTA V AVAILABLE:

OMS	315 FPS
ARCS (TOTAL ABOVE QTY1)	37 FPS
TOTAL IN THE AFT	352 FPS
ARCS (TOTAL ABOVE QTY2)	71 FPS
FRCS (ABOVE QTY 1)	18 FPS
AFT QTY 1	77 %
AFT QTY 2	39 %

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

END OF PAGE 2 OF 2, MSG 094

Good morning Aki and Mark!

Today is your final day of transfer! You are currently 98% complete on Resupply, 81% complete on Return, and 87% complete overall.

Mark, the Spacehab duct is not going to be removed until the hatch closure procedure. So it will need to be left in PMA2 as you close the hatch. This is the only item that we will not expect transfer confirmation on before hatch closure, but I will give you a reminder during our final transfer conference.

Mark, return CTB #401 (empty) can be stowed back at NOD1P1 with the other empty CTBs.

For the ACK (transfer list item 704.8) that would not fit into Bag H we have two options for you. Our recommendation is that you stow the ACK in a food locker of your choice and report the location. Alternately, you can remove the square foam blocks from Bag H until you can fit the ACK. If you choose to remove foam, it will need to be stowed on ISS with other foam for trash, it must be contained inside a CTB or jettison stowage bag, and we'd like to know where it gets stowed.

For STS, the Transfer List Excel file, FD11_Transfer_List_STS124.xls, is located on the KFX machine in **C:\OCA-up\transfer**.

For ISS, the Transfer List Excel file, FD11_Transfer_List_STS124.xls, is located in **K:\OCA-up\transfer**.

<u>FD11 Choreography (items for transfer today)</u>

- Items 715, 700, 702, 706 (Mark): Transfer CTB, Bag A, Bag C, and Bag J during MDDK XFER
- Item 805 (Mark): Transfer duct during hatch close
- Items 704, 704.8 (Ken): Transfer Bag H and ACK during MDDK XFER
- Items 710 thru 713 and 904 (Mike): Transfer EVA Hardware during MDDK XFER prior to EVA STOW
- Item 24, 701, 703, & 705 (Ron): Transfer PGSC Desk, Bag B, Bag D, and Bag I during MDDK XFER
- Item 804 (Ron): Transfer PGSC during PGSC XFER
- Item 403.3 (Greg): Transfer the IWIS tape after the VTR Tape Exchange (this should have been done via stowage note on FD10)
- Item 702.2 and 707 (Greg): Transfer blood samples and kit during stow activity
- Item 715.1, 718 (Greg): Transfer saliva samples and kit during stow activity
- Item 708 (Greg): Transfer double coldbag during coldbag transfer activity
- Items 715.3 & 715.4 (Garrett): Transfer PLANT HAB and SGHAB during CGBA removal

<u>Please update the Transfer List as follows:</u>

In **RESUPPLY** tab:

Replace page 13

In **RETURN** tab:

Replace pages 11

Add page 18

On Page 16: Add “petri dish” to the Qty column of item 715.3

Let us know if you have questions.

- The Transfer Team

CONFIGURE RPOP2 (STS6) FOR TRANSFER TO ISS

1. Prior to RPOP2 prep, retrieve ESD bag from ISS NOD1S4_G for PGSC hard drive

2. Exit all applications and Shut Down PGSC

3. Remove power to PGSC at Outlet (MO63P) and remove the power cables from MO63P and the PGSC

4. Remove all peripherals and connections from the PGSC (including the RF and Quatech cards)

5. Remove “WLES Reboot Sticker” from the PGSC and place it on the RPOP (STS5) PGSC

6. Velcro the WLE Laptop Rcvr Unit to back of RPOP (STS5) laptop lid (this will be connected to RPOP post sep)

7. Remove hard drive per A31p HARD DRIVE CHANGEOUT (ORB OPS, PGSC), pg 12-81, steps 5-8

8. Place hard drive in ESD bag and temp stow

9. Reinstall A31p Hard Drive cover back on A31p (without a hard drive)

10. Stow RPOP2 hard drive in PGSC cutout in the MAR (ML60E).
    Stow RPOP2 Power cables and green brick

11. On WLES (STS7) PGSC, disable WLES file backup:

    ‘Enhanced Wideband MicroTAU – WLEFlight 3.0’
    Click ‘System Settings’ (left side of display)

    ‘Backup Mode Selection’
    Click ‘Standard’
    Click ‘Unit List’ (left side of display)

12. Transfer RPOP2 Shell to ISS NOD1S4_B1 and stow in 0.5 CTB s/n 1068 (reference transfer list item 804)

END OF PAGE 1 OF 1, MSG 098