STS-119 / 15A

FD 11 Execute Package

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120	15 - 16	FD11 Mission Summary **(pdf)**
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122C	19	Late Inspection LDRI Mode Update **(pdf)**
123A	---	Stowage Locations for FD11 **(pdf - Electronic Only)**

Approved by FAO: *M. Blanton*

Last Updated: Mar 25 2009 9:08AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

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MSG NO.	TITLE
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MSG120	FD11 Mission Summary
MSG121	FD11 Transfer Message (18-1373)
MSG122	Late Inspection LDRI Mode Update
MSG123	Stowage Locations for FD11 (18-1209)

1. Cryo Config

   For today's cryo config, O2 Tanks 2 & 5 and H2 Tanks 2 & 4 will be active.

   R1 O2,H2 MANF VLV TK2 (two) - OP (tb-OP)

2. FD10 MMT Summary

   The FD10 MMT met briefly to review mission progress. The flight continues to go very well and nothing of significance is being worked. After a poll, the team is GO for undocking.

3. Post Sleep Delta

   In POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) FLIGHT DECK ACTIVITY LIST, do not perform step 6, O2/N2 CNTLR VLV SYS 1(2) - AUTO.

   The controller will remain open to help with stack pressure maintenance prior to hatch closure. The O2/N2 CNTLR VLV SYS 1 will be taken to back to AUTO during the Payload N2 Repress termination.

4. Waste Water Dump

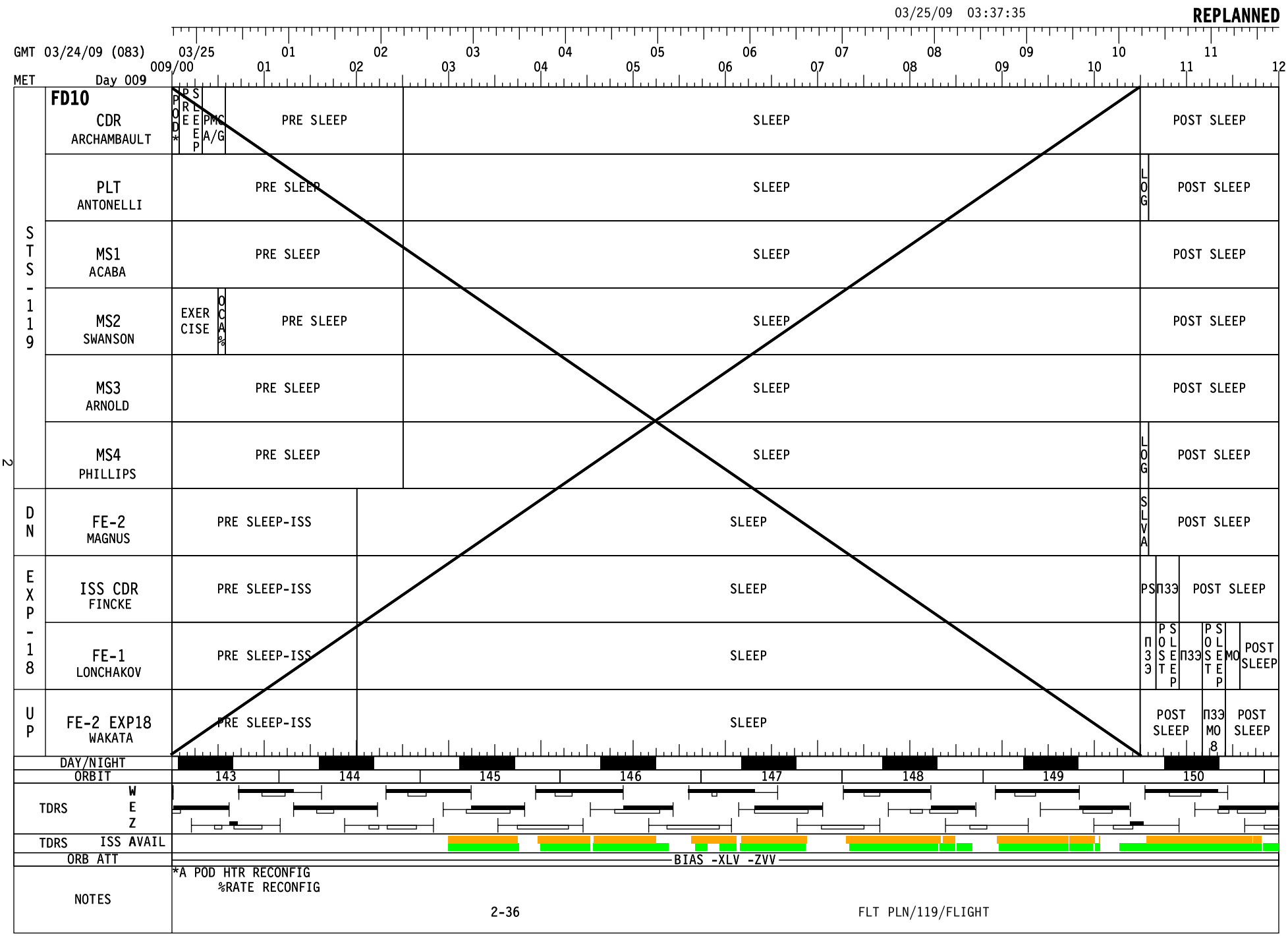
   Perform a Waste dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS), 5-2. Perform steps E, G and I. MCC-H will TMBU FDA in steps B and K.

   Waste dump valve open time will be ~35 minutes. Dump waste tank to 5%.

5. Late Inspection Deltas

   For Late Inspection, we will need the LDRI to remain in Mode 6 during the transitions between surveys due to a video loss problem that has been associated with mode transitions. MSG 122 contains a detailed explanation of the problem and several minor updates to the OBSS survey procedures to accommodate this request. The message also mentions that if video is lost for more than a few seconds during LI, we will ask you to pause the auto sequence and wait for the video to recover before continuing. We also ask that if you notice poor LDRI video while scanning, please pause the sequence and check with MCC.

6. REPLACE PAGES 2-36, 2-38, 2-40 AND 3-114 THROUGH 3-123.


03/25/09 03:37:35
REPLANNED
GMT 03/24/09 (083)
03/25 01 02 03 04 05 06 07 08 09 10 11
MET Day 009
009/00 01 02 03 04 05 06 07 08 09 10 11 12
FD10
STS-119
CDR ARCHAMBAULT
PRE SLEEP
SLEEP
POST SLEEP
PLT ANTONELLI
LOG
MS1 ACABA
MS2 SWANSON
EXERCISE
OCA%
MS3 ARNOLD
MS4 PHILLIPS
DN
FE-2 MAGNUS
PRE SLEEP-ISS
SLVA
EXP-18
ISS CDR FINCKE
PS
ПЗЭ
FE-1 LONCHAKOV
ПЗЭ
POST SLEEP
MO
UP
FE-2 EXP18 WAKATA
ПЗЭ MO 8
DAY/NIGHT
ORBIT
143 144 145 146 147 148 149 150
TDRS
W
E
Z
TDRS ISS AVAIL
ORB ATT
BIAS -XLV -ZVV
NOTES
*A POD HTR RECONFIG
%RATE RECONFIG
2-36
FLT PLN/119/FLIGHT

2

03/25/09 03:37:35 **REPLANNED**

GMT 03/25/09 (084) 12 13 14 15 16 17 18 19 20 21 22 23

MET Day 009 12 13 14 15 16 17 18 19 20 21 22 23 010/00

STS-119	**FD11** CDR ARCHAMBAULT	POST SLEEP; N2-T; XFER OPS; MCIU@; MEAL; FAREL; EGRS HATCH CLOSE; HATCH LEAK CHECK; GRPB PWRUP; MNVR UNDCK; UNDOCK OPS; FLYAROUND SEP1^ SEP2^; SEP; MNVR DUMP; WINITE; WASTE TERM; -ZLV -XVV; EXERCISE
STS-119	PLT ANTONELLI	POST SLEEP; CWC12 INIT; EXERCISE; CWC TERM; CWC XFER; RNDZ TOOLS C/O; MEAL; FAREL; ICTNH2O% H2O; PCS# OPCU*; UNDOCK OPS; FLYAROUND SEP; HTRB CABT; GRPB PWRDN; RCS*; IMU; PRE SLEEP
STS-119	MS1 ACABA	POST SLEEP; WLES; XFER OPS; MEAL; FAREL; EXERCISE; UNDOCK OPS; FLYAROUND SEP; OIU@ SOR; DEACT SEAT; WLES; MUS; PRE SLEEP
STS-119	MS2 SWANSON	POST SLEEP; EVA XFER; RNDZ TOOLS C/O; MEAL; FAREL; NOM H2O CNFG; C/L CAM; GRPB PWRUP; UNDOCK OPS; FLYAROUND SEP; GRPB PWRDN; EXERCISE; COND T/D*
STS-119	MS3 ARNOLD	POST SLEEP; EVA XFER; SSV-3; EXERCISE; MEAL; FAREL; P/TV03 S/U; C/L CAM; P/TV03 UNDOCK OPS; PTV03 DEACT; SSV-4; PLYBK OPS; PRE SLEEP
STS-119	MS4 PHILLIPS	POST SLEEP; XFR UPDAT; POST SLEEP; MDDK+; EXERCISE; BLOOD SLOOD; BLOOD DRAW; STOW; XFER OPS; XFER TAGRUP; XFER BRIEF; MEAL; FAREL; EGRS HATCH CLOSE; HATCH LEAK CHECK; UNDOCK OPS; FLYAROUND SEP; PGSC CNFG; GLCR#; MDDK%; MUS; PRE SLEEP
DN	FE-2 MAGNUS	DPC; TVIS; STOW*; DCB RVW; DCB PACK; MEAL; ⊕; UNDOCK OPS*; FLYAROUND SEP; EXERCISE; PMC; PRE SLEEP
EXP-18	ISS CDR FINCKE	DPC; ARED; PREP WORK; WATER T+2; BLOOD DRAW; SUBJ; DCB RVW; DCB PACK; DCB XFR; PFC; MID DAY MEAL; ⊕; EGRS HATCH CLOSE; TVIS; DUCT RMV; PMA2 DPT CFG; PMA2-DEPRS; P/DWN; PL-CK; LK-CK; MNGT CONF; PW; LK-CK; DPC; LK-CK; PW; PRE SLEEP ISS
EXP-18	FE-1 LONCHAKOV	DPC; PREP WORK; EXERCISE TVIS; КСПЭ-РЛС-ТМС-TST; MID DAY MEAL; ⊕; СОЖ MNT; СЭМ; PMA2 DPT CFG; IMS; EXERCISE TVIS; MNGT CONF; CTC; PW; DPC; PRE SLEEP-ISS
UP	FE-2 EXP18 WAKATA	DPC; PREP WORK; WPA RIP SAMPLE; PWD AUX SAMPLE; PWD SMPL; SSC RCTRN; WIND♦; TOCA; CEVIS; MID DAY MEAL; ⊕; EGRS HATCH CLOSE; TOCA; IWIS T/D; FFQ; BPSMU; UNDOCK VIDEO; MNGT CONF; PREP WORK; DPC; SETUP; PRE SLEEP

UNDOCKING*

DAY/NIGHT

ORBIT 151 152 153 154 155 156 157 158

TDRS W E Z

TDRS ISS AVAIL

ORB ATT: BIAS -XLV -ZVV; UNDOCK; FLYAROUND SEP; BIAS-ZLV +YVV

NOTES: +STATUS CK; *SALIVA KIT; ♦EHS-WATER-RECLAIM; @FILTER CK; ⊕FAREWELL; %CMG TO STS; *I'CNCT RETURN; *DEACT; #ACT; @DEACT; *REG RCNFG; #CONFIG; %STATUS CK; ♣PRE SLEEP

2-38

FLT PLN/119/FLIGHT

*Undock 09/20:10

03/25/09 03:37:35 **REPLANNED**

GMT 03/25/09 (084) 03/26 01 02 03 04 05 06 07 08 09 10 11

MET Day 010 010/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-119

FD11

CDR ARCHAMBAULT	EXER CISE / PMC A/G	PRE SLEEP	SLEEP	POST SLEEP
PLT ANTONELLI	PRE SLEEP		SLEEP	POST SLEEP
MS1 ACABA	PRE SLEEP		SLEEP	POST SLEEP
MS2 SWANSON	PRE SLEEP		SLEEP	POST SLEEP
MS3 ARNOLD	CREW@	PRE SLEEP	SLEEP	POST SLEEP
MS4 PHILLIPS	PRE SLEEP		SLEEP	POST SLEEP
FE-2 DN MAGNUS	PRE SLEEP		SLEEP	POST SLEEP

DAY/NIGHT

ORBIT: 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166

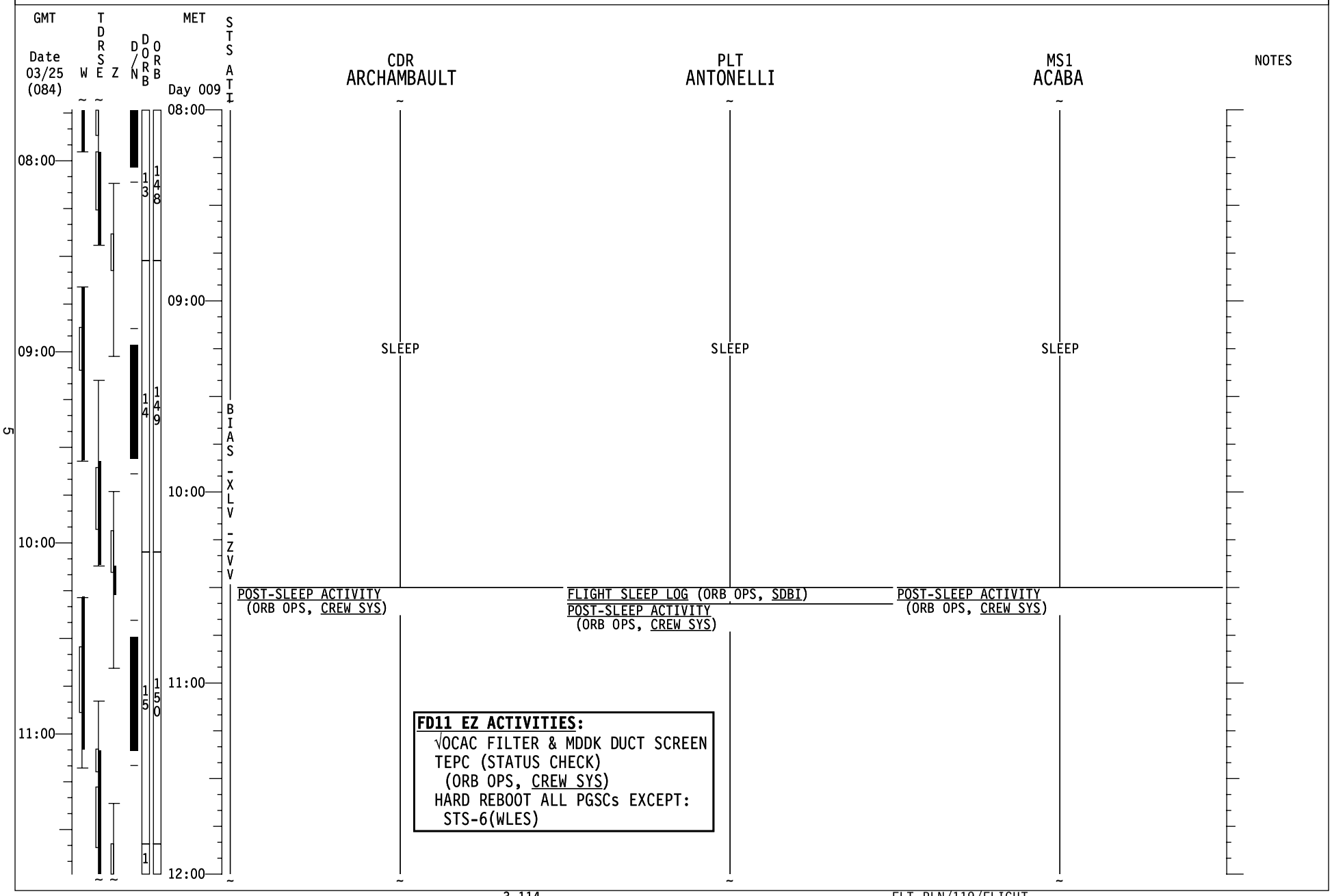
TDRS W E Z

ORB ATT: -ZLV -XVV

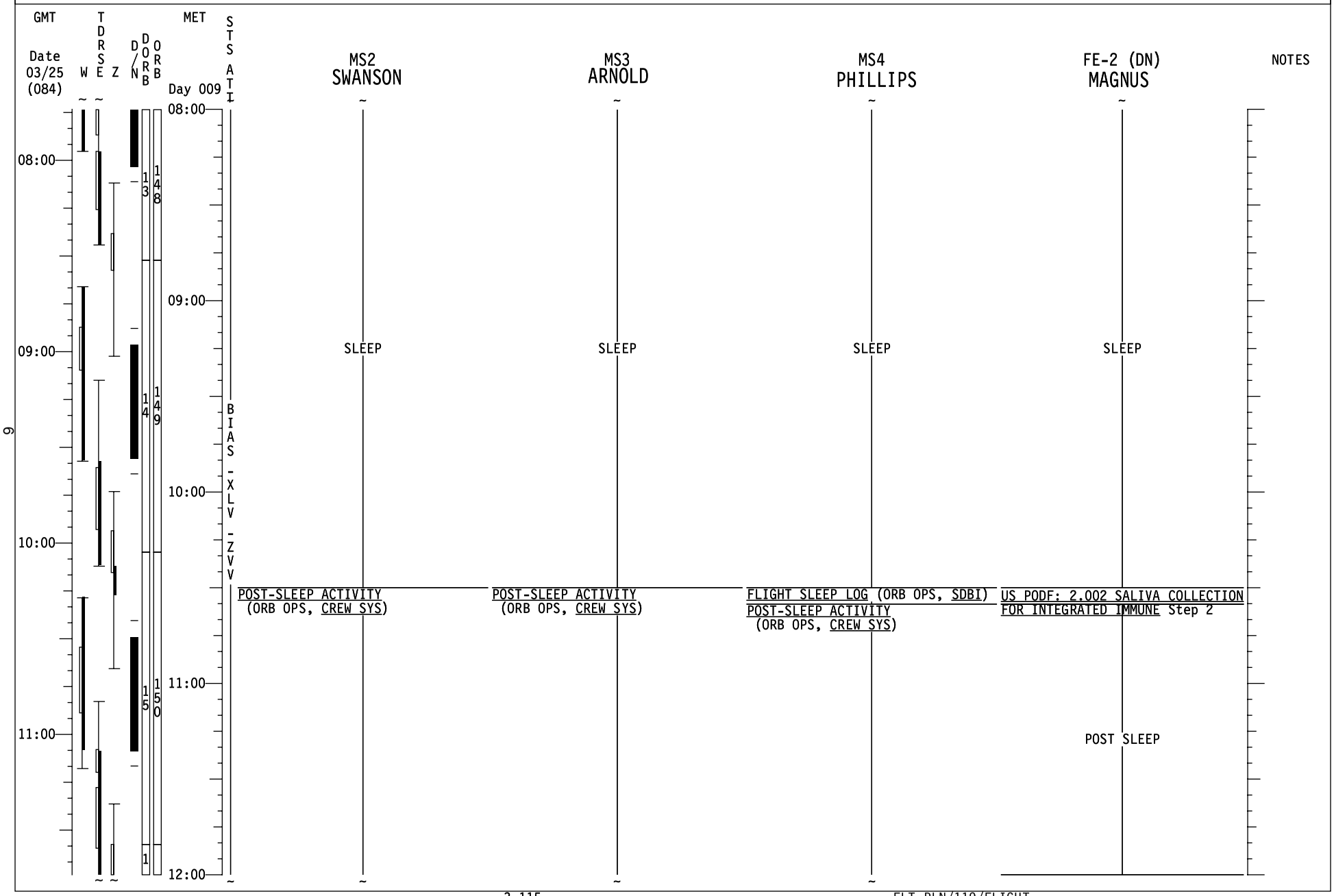
GND: -WSS —DFR | —DFR | —DFR -MLA | —WSS —DFR | —WSS —DFR | -DFR

NOTES: @CHOICE D/L

STS-119 FD (11)

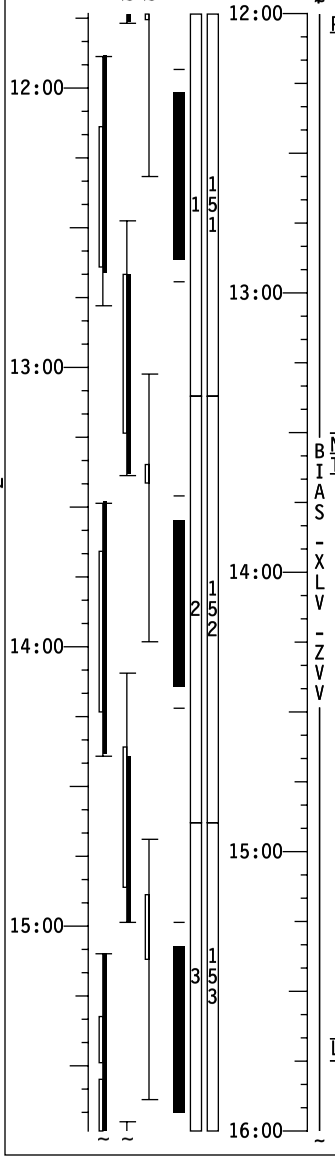

GMT
Date 03/25 (084)
W
T D R S E
Z
D/N
D O R B
O R B
MET
Day 009
STS ATI
CDR ARCHAMBAULT
PLT ANTONELLI
MS1 ACABA
NOTES
08:00
09:00
10:00
11:00
12:00
13
14
15
1
148
149
150
BIAS -XLV -ZVV
SLEEP
SLEEP
SLEEP
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FD11 EZ ACTIVITIES:
√OCAC FILTER & MDDK DUCT SCREEN
TEPC (STATUS CHECK)
(ORB OPS, CREW SYS)
HARD REBOOT ALL PGSCs EXCEPT:
STS-6(WLES)

STS-119 FD (11)


GMT
Date 03/25 (084)
W
TDRSE
Z
D/N
DORB
ORB
MET
Day 009
STS ATT
MS2 SWANSON
MS3 ARNOLD
MS4 PHILLIPS
FE-2 (DN) MAGNUS
NOTES
08:00
09:00
10:00
11:00
12:00
13
14
15
1
148
149
150
BIAS - XLV - ZVV
SLEEP
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)
US PODF: 2.002 SALIVA COLLECTION FOR INTEGRATED IMMUNE Step 2
POST SLEEP

STS-119 FD (11)

GMT Date 03/25 (084) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATT



BIAS - XLV - ZVV

CDR ARCHAMBAULT

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

N2 REPRESS USING P/L N2 VALVES [A]
TRANSFER OPS
Ref. Transfer List & MSG 121

L17 Check MCIU filter screen

PLT ANTONELLI

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS) Init Fill #12
Ref MSG 079

[A] (ORB OPS, ECLS)
Perform REPRESS TERM AND RECONFIG
Steps 8-13, MCC will TMBU S/W FDA

EXERCISE

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform FILL TERMINATION

CWC TRANSFER
Transfer 1 CWC to ISS

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

MS1 ACABA

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PREP WLES FOR RNDZ
Exit WLES Software and disconnect
WLE Receiver from the serial port

TRANSFER OPS
Ref. Transfer List & MSG 121

NOTES

UPDATE
TFL 192

STS-119 FD (11)

GMT Date 03/25 (084) | W E Z | DORB/N | DORB | MET Day 009 | STS ATT

MS2 SWANSON | MS3 ARNOLD | MS4 PHILLIPS | FE-2 (DN) MAGNUS | NOTES

12:00 — 13:00 — 14:00 — 15:00 — 16:00

DORB 1: 151; DORB 2: 152; DORB 3: 153

STS ATT: BIAS-XLV-ZVV

MS2 SWANSON

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- EVA TRANSFER (EVA, A/L CONFIG) Transfer to Shuttle: EMU 3017(Sw), EMU 3004(An) and A/L Floor Bag Ref. Transfer List: Return Items 705, 718, & 719
- RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)

MS3 ARNOLD

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- EVA TRANSFER (EVA, A/L CONFIG) Transfer to Shuttle: EMU 3017(Sw), EMU 3004(An) and A/L Floor Bag Ref. Transfer List: Return Items 705, 718, & 719
- SSV OUTRATE - 3
- EXERCISE

MS4 PHILLIPS

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG 121
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- MDDK ST CK (ASSY OPS, PAYLOADS) Step 1 only
- EXERCISE
- PODF: HRF IMMUNE: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 1, Ref. MSG 123 Stowage Location for FD11
- PODF: HRF IMMUNE: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Perform Step 2
- PODF: HRF IMMUNE: 2.001 INTEGRATED IMMUNE BLOOD COLLECTION Step 3, Ref. MSG 123 Stowage Location for FD11 Ref. Transfer List: return Item 723
- TRANSFER OPS Ref. Transfer List & MSG 121
- TRANSFER TAGUP Coordinate with transfer counterpart
- TRANSFER BRIEF Call down status to MCC

FE-2 (DN) MAGNUS

- DAILY PLANNING CONFERENCE
- TVIS
- US PODF: 2.002 SLVA CLCT FOR INTG IMMUNE Ref. 18-1270 Ref. Xfer List: Return Item 901
- US PODF: 2.010 15A Double CoTdbag Pack Ref. MSG 18-1051; Review Only
- US PODF: 2.010 15A Double CoTdbag Pack

NOTES

STS-119 FD (11)

GMT Date 03/25 (084) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATT

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

3 153 4 154 5 155 6 156

BIAS -XLV -ZVV

UNDOCK

CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)		
MEAL	MEAL	MEAL	
FAREWELL	FAREWELL	FAREWELL	
JOINT OPS: 4.102 SHUTTLE/ISS DUCT REMOVAL & HATCH CLOSING Ground will perform steps 2-3			
	I'CNCT RETURN (OPS 2,3) (OPCL, RCS) B12/FREE/VERN When ISS is Free Drift, DAP: LVLH, When rates < 0.1, DAP: FREE>2 SEC, then DAP: AUTO L1 H2O LOOP 2 BYP MODE- AUTO		
JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK			
O6 -Z STR TRK - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 (Recover IMU 3),6 (Triple G2)	C √MCC before proceeding Expect possible 'S66 CAB N2 FLO 1' msg M010W 14.7 CAB REG INLET SYS 1 vlv - OP H2O TK N2 REG INLET SYS 2 - CL M069M LEH O2 8 vlv - OP	EXERCISE	
MNVR (TRK) -XLV +ZVV (UNDOCK) TG=2 BV=5 P=180 Y=0 OM=0 A12/AUTO/VERN, Init TRK			
	PCS ACT C SSPTS OPCU DEACT D		
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UPLINK β21 + Mask Box 31,40

D On MCC GO:
A15 OPCU 1,2 CONV(two) - OFF
R1 MN BUS TIE B - OFF(tb-OFF)
C - OFF(tb-OFF)

STS-119 FD (11)

GMT Date 03/25 (084) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATT

MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	FE-2 (DN) MAGNUS	NOTES
RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	EXERCISE	TRANSFER BRIEF Call down status to MCC		
MEAL	MEAL	MEAL	MEAL	
FAREWELL	FAREWELL	FAREWELL	FAREWELL	
NOMINAL H2O CONFIG (ORB OPS, ECLS) On MCC GO; L1 FLASH EVAP CNTLR PRI A - ON	P/TV03 UNDOCK (PHOTO/TV, SCENES) Setup	JOINT OPS: 4.102 SHUTTLE/ISS DUCT REMOVAL & HATCH CLOSING Ground will perform steps 2-3		
C/L CAMR INSTALL (PHOTO/TV,C/L CAMR) Perform step 1 only	C/L CAMR INSTALL (PHOTO/TV,C/L CAMR) Perform step 1 only	JOINT OPS: 4.104 ODS VEST/PMA DPRS & HATCH LEAK CHECK		
O6 -Z STR TRK - ON PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 12 (Recover IMU 3),6 (Triple G2)				
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	

Time scale: 16:00, 17:00, 18:00, 19:00, 20:00

STS ATT: BIAS - XLV - ZVV; UNDOCK

Orbits: 3, 4, 5, 6; 153, 154, 155, 156

STS-119 FD (11)

GMT Date 03/25 (084) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 009 | STS ATT

CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L) SEP1 (09/21:25) SEP 2 (09/21:53)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	UPLINK β21 + Mask
MNVR (TRK) BIAS -ZLV +YVV (DUMP) TG=2 BV=3 OM=250 A1/AUTO/VERN, Init TRK	HEATER RECONFIG-CONFIG B (ORB OPS, EPS) CABIN TEMP CONTROLLER RECNFG 2(1) (ORB OPS, ECLS)	SSP1 OIU PWR - OFF (tb-bp) Expect 'S62 BCE BYP PSP' msg	
SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Initiate Waste Dump Ref. MSG 119, Item 4	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9,10 & 12 (IMU 3 STBY-ITEM 23 EXEC)	6.106 SSOR DEACTIVATION (JOINT OPS, COMM/DATA)	UPDATE H2O WASTE DUMP QTY
	RCS REGULATOR RECONFIG (ORB OPS, RCS)	WLES RECONFIG POST UNDOCK Connect WLE Receiver to serial port and Start WLES software in 'Standard' mode	UPDATE TFL 188
SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) Terminate Waste Dump			
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN, Init TRK	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	MUS (ASSY OPS, PAYLOADS)	
EXERCISE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

11

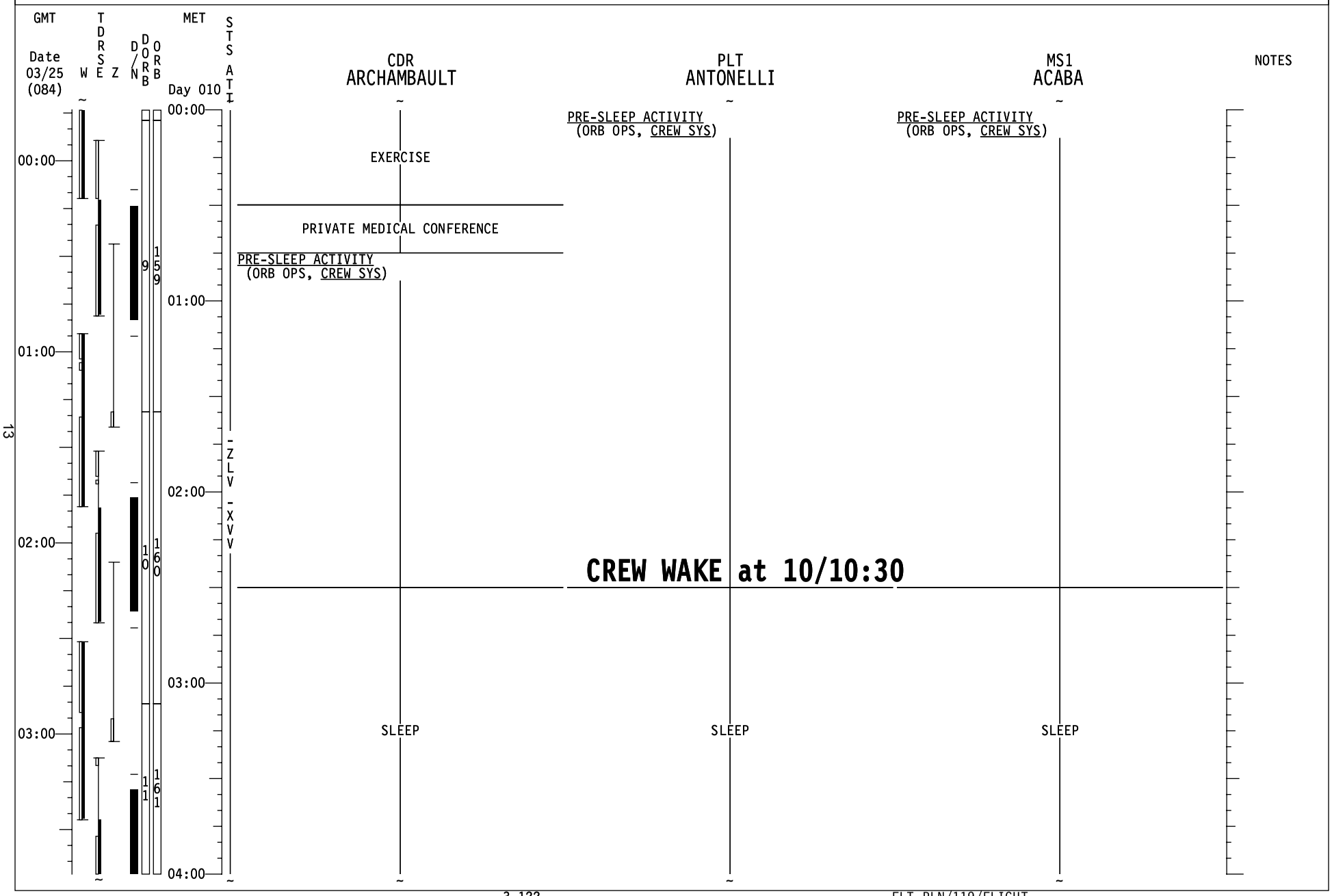
STS-119 FD (11)

GMT Date 03/25 (084) | W | TDRS E | Z | D/N | DORB 6 7 8 | ORB 156 157 158 | MET Day 009

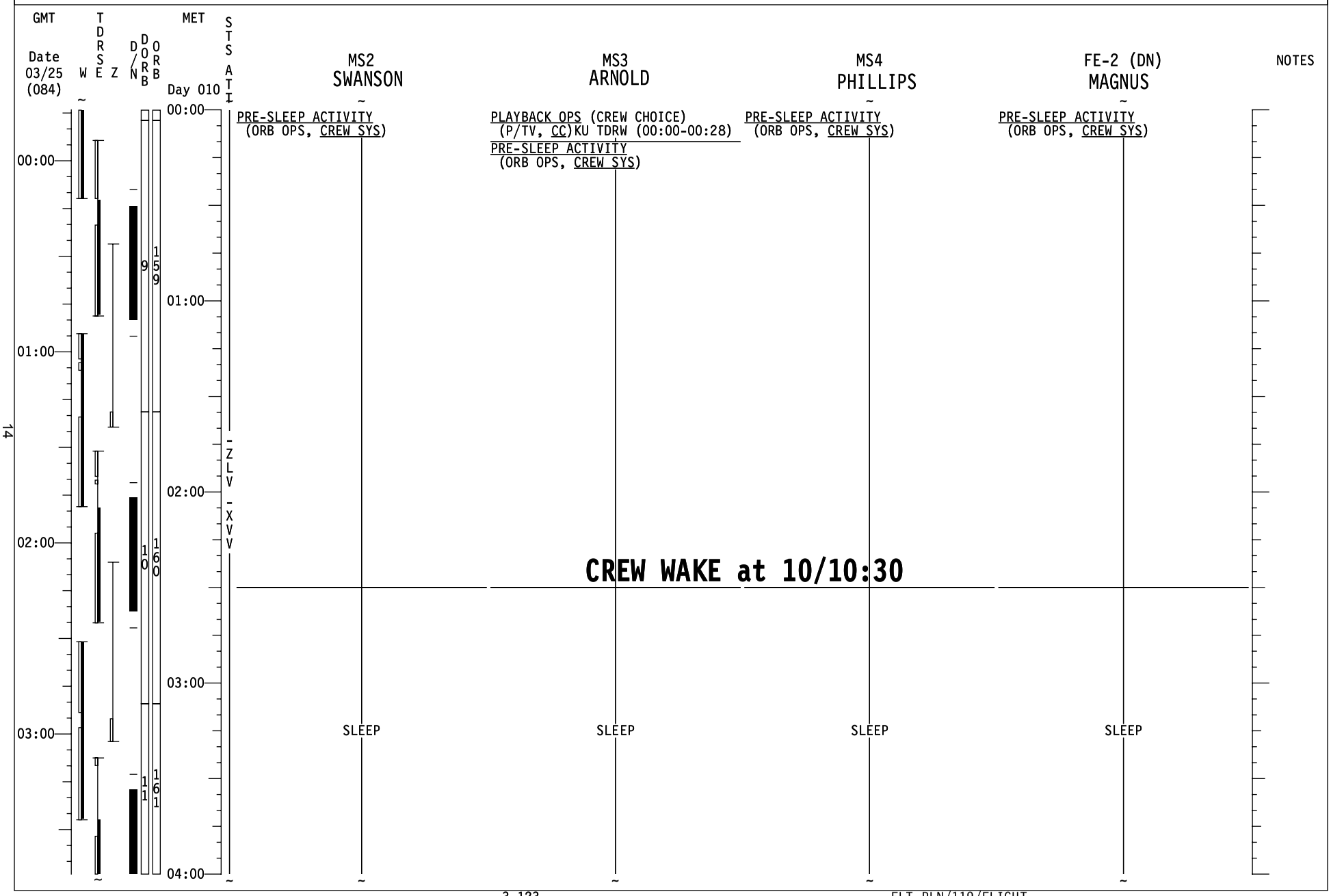
STS ATT: UNDOCK - FLYAROUND SEP - BIAS - ZLV + YVV - ZLV - XVV

MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	FE-2 (DN) MAGNUS	NOTES
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
	P/TV03 UNDOCK (P/TV,SCENES) Deact	POST RNDZ PGSC CONFIG Configure PGSCs		
PRIOR PWRDN GRP B(OPCL,PRI PWRDN) Steps 5,6(Single G2),9,10 & 12 (IMU 3 STBY-ITEM 23 EXEC)	SSV OUTRATE - 4		EXERCISE	
	PLAYBACK OPERATIONS (UNDOCK) (PHOTO/TV, CUE CARD) KU TDRE (22:31-22:58)			
EXERCISE		GLACIER CONFIGURATION FOR DESCENT (ASSY OPS, PAYLOADS)		
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	MDDK ST CK (ASSY OPS, PAYLOADS) Step 1 only	PRIVATE MEDICAL CONFERENCE	
		MUS (ASSY OPS, PAYLOADS)		
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform TEARDOWN				
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)				

STS-119 FD (11)


GMT
Date 03/25 (084)
W
T D R S E
Z
D/N
D O R B
O R B
MET
Day 010
S T S A T I
00:00
01:00
02:00
03:00
04:00
9
10
11
159
160
161
-ZLV-XVV
CDR
ARCHAMBAULT
EXERCISE
PRIVATE MEDICAL CONFERENCE
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
PLT
ANTONELLI
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
MS1
ACABA
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
CREW WAKE at 10/10:30
NOTES

STS-119 FD (11)


GMT
Date 03/25 (084)
W
TDRSE
Z
D/N
DORB
ORB
MET
Day 010
STS ATT
00:00
01:00
02:00
03:00
04:00
9
159
10
160
11
161
-ZLV
-XVV
MS2 SWANSON
MS3 ARNOLD
MS4 PHILLIPS
FE-2 (DN) MAGNUS
NOTES
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PLAYBACK OPS (CREW CHOICE) (P/TV, CC)KU TDRW (00:00-00:28)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
CREW WAKE at 10/10:30
SLEEP
SLEEP
SLEEP
SLEEP

MSG 120 - FD11 MISSION SUMMARY

Good Morning Discovery!

Enjoy the view during the flyaround! Your stay aboard the ISS has been a huge success!

YOUR CURRENT ORBIT IS: 197 X 186 NM

NOTAMS:

NOTAMS – THREE ADDITIONS

EDW -	EDW IN USE. EDT ELS DAY / VFR ONLY.
EDW -	**LAKEBED RWY 15/33 - GREEN. RWY 18L - UNUSABLE.**
NOR -	LAKEBED RUNWAYS GREEN.
ILM -	DME DIW107 OTS
FMH -	TACAN PVD103 DME ONLY.
DOV -	RWY 14/32 CLOSED.
YQX -	**TACAN YQX74 OTS.**
MRN -	TACAN AOG23 OTS.
WAK -	TACAN AWK82 OTS.
HAW -	TACAN ASI59 DME OTS.
KKI -	**TACAN RIY92 OTS.**
IKF -	NOT USABLE. NO AGREEMENT.
BEN -	NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

EDW22	ORB 157 – 09/21:51	SKC	7	260/8P14
KSC15	ORB 170 – 10/17:37	SCT050 BKN200	7	150/14P21

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 = 36.1 R OMS OX = 35.8
FU = 35.6 FU = 35.8
Subtract interconnect counter for current OMS quantities.

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DELTA V AVAILABLE:

OMS	372 FPS
ARCS (TOTAL ABOVE QTY1)	41 FPS
TOTAL IN THE AFT	413 FPS
ARCS (TOTAL ABOVE QTY2)	75 FPS
FRCS (ABOVE QTY 1)	15 FPS
AFT QTY 1	76 %
AFT QTY 2	38 %

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

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John & Ricky,

You have made it to your last day of transfer ops! You've done an excellent job and our thanks go to you and all your shuttle and ISS crewmates. Enjoy checking those last items off a very long list – you completed about 2000 pounds of transfer to ISS and 1900 back to shuttle! Continue to wrap things up this morning and we will have our final tag-up in a few hours.

Transfer Question

- John, we copied that you completed item 804 yesterday, the shuttle food transfer. Could you report the location of that item on ISS in today's Transfer Brief?

The Transfer List Excel file, FD11_Transfer_List_STS119.xls, locations are:

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

FD11 Transfer Choreography

- John: Return Item 723: Transfer Blood Samples per BLOOD KIT STOW activity
- Sandy: Return Item 901: Transfer Saliva Kit per SALIVA KIT STOW activity
- Sandy: Return Items 415 & 416: Transfer Crew Pref bags
- Swanny & Ricky: Return Items 705, 718 & 719: Transfer two EMUs and Bag I to the middeck per EVA XFER activity
- Koichi: Return Item 713: Transfer WRS & PWD samples per WPA-RIP-SAMPLE-CLCT and WRS-PWD-AUX-SAMPLE activities
- Koichi: Return Item 903: Transfer Post-Flight Analysis Packet per WRS-PWD SMPL-CLCT activity
- Mike: Return Items 716 & 717: Transfer Double Cold Bags to the middeck per DCB-15A-TRANSFER activity
- Mike: Return Item 727: Transfer MCD per EHS-WATER-T+2 activity – only if growth is seen
- Return Items 412 & 702 thru 704: Transfer Bags C, D, E & F to the middeck
- Return Item 905: Transfer jettison stowage bags of crew quarters foam
- Resupply Item 807 & Return Item 913: Swap G1 Camcorders
- Last but not least…swap Resupply Item 809 & Return Item 914

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

In the Transfer List **RESUPPLY** tab
Replace the following page:
Resupply 17

In the Transfer List **RETURN** tab
Replace the following page:
Return 13

Changes to the Transfer List are detailed below:

RESUPPLY
Item 809 - new item

RETURN
Item 914 – new item

Have a great day and let us know if you have any questions!

- The 15A Transfer Team

Late Inspection LDRI Mode

During STS-126, the LDRI unit had occurrences of as much as 80 seconds of video loss during Late Inspection. The most noticeable occurrence happened during Port wing scan 1 when panel 8 and 1/2 of panel 9 were missed but were compensated for on another scan. Ground troubleshooting has just recently been able to recreate the anomaly and narrowed down the problem to video circuitry. A root cause has yet to be determined but is believed to be a thermal issue with warmup/cool down of the LDRI when transitioning in and out of Mode 6, which is when the biggest dropouts have historically occurred. During your FD2 inspections, there were a total of 5 frames of dropouts, all of which did not impact LDRI data.

To decrease the chance of this anomaly occurring, we will be changing the late inspection procedures to keep the LDRI in Mode 6 during the transitions between the wing and nose cap surveys. The LDRI will be at least 13 feet from the crew cabin during the SRMS operations, and is eye-safe outside of 6 feet, so there are no concerns with the laser being activated.

If LDRI video is lost for more than a few seconds during late inspection, we will ask you to pause the auto sequence and wait for the video to recover before proceeding. Worst-case, you may be asked to back-up to a previous point and restart the inspections to ensure adequate coverage. If you happen to notice that the LDRI video is bad while scanning, please pause the auto sequence and check MCC.

The following changes keep the LDRI in Mode 6 throughout late inspection, in order to decrease the chance of video dropouts.

1. OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS Operations) Step 11, Pg 7-26
   Do not perform A7U steps (3 lines).

2. OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS Operations)
   Step 4, Pg 7-29
   Do not perform (already in mode 6):
   MUX 1L ← MIDDECK
   LDRI MODE 6 pb - push (brighter flickering LDRI video)

3. OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS Operations)
   Step 4, Pg 7-34
   Do not perform A7U steps (3 lines).

4. OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS Operations) Step 4, Pg 7-37
   Do not perform (already in mode 6):
   MUX 1L ← MIDDECK
   LDRI MODE 6 pb - push (brighter flickering LDRI video)

5. OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS Operations) Step 10, Pg 7-48
   Do not perform (already in mode 6):
   MUX 1L ← MIDDECK
   LDRI MODE 6 pb - push (brighter flickering LDRI video)

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