STS-119 / 15A

FD 05 Execute Package

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044	---	STS-119/15A Exercise Constraints for FD05 **(pdf - Electronic Only)**
045A	---	Stowage Locations for FD05 **(pdf - Electronic Only)**

Approved by FAO: *T. Melroy*

Last Updated: Mar 19 2009 11:28AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
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045	Stowage Locations for FD05 (18-1203)

1. Cryo Config

For today's cryo config, O2 Tanks 1, 3 & 4 and H2 Tanks 1 & 4 will be active.

R1 O2,H2 MANF VLV TK1 (two) - OP (tb-OP)
O2 TK3 HTRS A,B (two) - AUTO

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

A15 CRYO TK5 HTRS O2 A,B (two) - OFF

2. Bungee Exercise Constraints

While the Shuttle is docked to Station, the constraints for crew exercise assuming "bungee operations" at the orbiter ergometer location are as follows:

Crewmember Bicep Curls and Overhead Presses have no constraints.

Crewmember Squats and the Good Morning Exercise are limited to a minimum time of 2 seconds between repetitions, a maximum of 6 repetitions per set, and a minimum of 1 minute rest period in between sets.

3. EVA 1 Deltas

Because of the launch slip, there is a change to the jettison direction of the ECU/SSU shrouds during EVA1. See MSG 043 (18-1288) for pen and ink details.

4. SAW Deploy Viewing

The SAW Deploy Viewing procedure assumes the SRMS is at Pre-cradle. However, the SRMS is currently at the S6 INSTALL VIEWING position. The OCAS to 1B SAW DEPLOY VIEWING position in step 2 is valid from the S6 INSTALL VIEWING position.

5. Exercise Constraints

Due to the current condition of the ergometer and your planned use of the ISS exercise equipment, please reference MSG 044 (18-1293) for the latest exercise constraints. Note that Bungee Operations are now considered un-isolated exercise.

6. Ergometer Troubleshooting Update

Your great work yesterday helped us narrow down the best troubleshooting path to regain the ergometer function. We are still working the details of the IFM procedure (MSG 046) and it will be uplinked to you prior to performing the IFM which is currently scheduled for MET 003/21:40.

The IFM will have you remove the side panel of the ergometer to provide access to the internal mechanisms. A visual and functional inspection will be performed in an attempt to identify the source of the jam. The procedure will include instructions for a variety of correctable problems that may be discovered. Since real-time camcorder downlink will not be available due to the EVA, any pictures you can provide to MCC of the internal mechanism would be very helpful.

7. REPLACE PAGES 2-14, 2-16 and 3-44 THROUGH 3-53.

REPLANNED

EXERCISE CONSTRAINTS - SEE DETAILS

GMT 03/19/09 (078) 12 13 14 15 16 17 18 19 20 21 22 23

MET Day 003 12 13 14 15 16 17 18 19 20 21 22 23 004/00

STS-119	**FD05** CDR ARCHAMBAULT	SLEEP; POST SLEEP; PMC A/G; POST SLEEP; INHIB; PAD; IMU; P/TV 07 EVA S/U; P/TV07 EVA OPS; MEAL; P/TV07 EVA OPS; SAW@; CEVIS
STS-119	PLT ANTONELLI	SLEEP; LOG; POST SLEEP; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPR; CWC#2; XFER OPS; CWC; TERM; CWC#3; MEAL; CWC; TERM; CWC XFER; XFER OPS; IFM ERGOMETER; SAW@; PRLAP%
STS-119	**IV** MS1 ACABA	SLEEP; POST SLEEP; MCIU@; CEVIS; EVA1 IVA SPT PREP; EVA 1 IVA SUPPORT; **EVA 1 (6:30)**
STS-119	**EV1** MS2 SWANSON	SLEEP; POST SLEEP; HYGN BREAK/ PREBRTHE (A/L REP, 10.2 DPRS); CAMPOUT EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPR; C_LK EGRS; SETUP; S6 ATTACH; S6 UMB CNCT; PVR CINCH/ WINCH; KEEL; BGA RLS; UNSTOW SABB; RMV*; CLNUP & INGRS; PRS
STS-119	**EV2** MS3 ARNOLD	SLEEP; POST SLEEP; HYGN BREAK/ PREBRTHE; CAMPOUT EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; PDPR; C_LK EGRS; SETUP; S6 ATTACH; S6 UMB CNCT; SABB LL RELEASE; UNSTOW SABB; RMV*; CLNUP & INGRS; PRS
STS-119	**M1** MS4 PHILLIPS	SLEEP; LOG; POST SLEEP; XFR; UPDAT; MDDK*; S6 MNVR PRE INSTL; SSRMS EVA SUPT; S6 INSTALL; S6 RLS/ CLR; MEAL; SAW VIEW MNVR; IFM ERGOMETER; XFER; TAGUP; BRIEF
DN	FE-2 MAGNUS	SLEEP; POST SLEEP; PREP; WORK; DPC; PREP; WORK; ♣; TVIS; FFQ; LOCAD; ПФП-ОДНТ PR-OBT; CO2; MIDDAY-MEAL; EHS; ARED; CWC; GLOVE; PCDF PU XFER; PVR DPLY; SODF DPLY
EXP-18	ISS CDR FINCKE	SLEEP; POST SLEEP; TEST; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU; PURGE; EMU PREBREATHE; C_LK DPRS; MIDDAY-MEAL; CEVIS; ARED; JRNL; PREP; WORK
EXP-18	FE-1 LONCHAKOV	SLEEP; POST SLEEP; PREP; DPC; HAM; Ф-СГО-SURF-SMPL; ИМП-1; ПФП-ОДНТ PR-OBT; СОЖ; DPART PREP; MIDDAY-MEAL; ВКД-ПхО-СО1-CLSOUT; PREP WORK; TVIS
UP	**M2** FE-2 EXP18 WAKATA	SLEEP; POST SLEEP; PREP; WORK; DPC; PREP; WORK; ADAPT; S6 MNVR PRE INSTL; ADAPT; S6 INSTALL; S6 RLS/ CLR; MIDDAY MEAL; SAW VIEW MNVR; CWC; EDR*; EDRLKR 2; PCDF PU XFER; PCDF PU INSTL; ACT; CO2

DAY/NIGHT

ORBIT 56 57 58 59 60 61 62 63 64

TDRS W E Z

TDRS ISS AVAIL

ORB ATT BIAS -XLV -ZVV — BIAS -XLV -ZVV

NOTES
♣JPM WIND-SHUTTER-CL
@FILTER CK
*STATUS CK
@DEPLOY VIEW
%CLOSE
*SSU/ECU COVER

NO EXERCISE
During Pin Release

REPLANNED

GMT 03/19/09 (078) 03/20 01 02 03 04 05 06 07 08 09 10 11

MET Day 004 004/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-119	**FD05** CDR ARCHAMBAULT	CEVIS	UPDATE	UNIV@	PRE SLEEP	EVA	TAGUP	PMC A/G	PRE SLEEP	SLEEP															
STS-119	PLT ANTONELLI	CTK	RPRS	POST EVA W/H2O				MOP	PSLP	PLYBK	OPS	PRE SLEEP	SLEEP												
STS-119	**IV** MS1 ACABA	MUS	MOP	PRE SLEEP				BSA INIT	PSA REBA INIT			PRE SLEEP	SLEEP												
STS-119	**EV1** MS2 SWANSON	CTK	RPRS	POST EVA W/H2O				MOP	PSLP	TAGUP		PRE SLEEP	SLEEP												
STS-119	**EV2** MS3 ARNOLD	CTK	RPRS	POST EVA W/H2O				MOP	P SLP		CREW%	PRE SLEEP	SLEEP												
STS-119	**M1** MS4 PHILLIPS	BRIEF	ALT ERG EXERCISE			MDUKS#	PRE SLEEP	SAW*	PRE SLEEP	SLEEP															
DN	FE-2 MAGNUS	♣	LOCAD	EVA*	PREP WORK		DPC	PRE SLEEP-ISS	SLEEP																
EXP-18	ISS CDR FINCKE	PREP	WORK	POST EVA W/H2O				BSA INIT	PRE SLEEP-ISS	SLEEP															
EXP-18	FE-1 LONCHAKOV	TVIS					DPC	PRE SLEEP-ISS	SLEEP																
UP	**M2** FE-2 EXP18 WAKATA	CO2	PREP WORK			⊕	DPC	SAW*	PRE SLEEP-ISS			PMC	PRE SLP	SLEEP											

DAY/NIGHT

ORBIT 64 65 66 67 68 69 70 71 72

TDRS W E Z

TDRS ISS AVAIL

ORB ATT BIAS -XLV -ZVV BIAS -XLV -ZVV

NOTES
♣SODF DPLY ⊕PRE SLEEP %CHOICE D/L
*D/L @PTG *View SSRMS
#STATUS CK

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI | CDR ARCHAMBAULT | PLT ANTONELLI | MS1 ACABA | NOTES

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

14 15 16 17 18 19

SLEEP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE

POST-SLEEP ACTIVITY A (ORB OPS, CREW SYS)

A On MCC Go, R13L MMU GN2 SPLY ISOL VLV A-CL (tb - CL)
√Hum Seps for H2O Accumulation

EVA 1 INHIBIT PAD (EVA, TIMELINES)

BIAS - XLV - ZVV

FLIGHT SLEEP LOG (ORB OPS, SDBI)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EVA SYSTEMS: 1.211 HYGIENE BREAK
Note: MCC-H performs steps 1-4, 16-20, & 23

EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP

EVA SYSTEMS: 1.220 EMU PURGE

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

L17 Check MCIU filter screen

EXERCISE CEVIS

FD05 EZ ACTIVITIES:
√OCAC FILTER & MDDK DUCT SCREEN
TEPC (STATUS CHECK) (ORB OPS, CREW SYS)
HARD REBOOT ALL PGSCs EXCEPT: STS-6(WLES) & STS-5(RPOP2)

NO EXC DURING USTO MNVR

NO ARED DURING S6 MNVR

5

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRS E | Z | D/N | DORB 14 15 16 | ORB 56 57 58 59 | MET Day 003 | STS ATI | BIAS -XLV -ZVV

MET	MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	NOTES
12:00	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)	
13:00	EVA SYSTEMS: 1.211 HYGIENE BREAK Note: Start no earlier than 8:40hrs from end of CAMPOUT MASK P/B MCC-H Performs Steps 1-4, 16-20, &23	EVA SYSTEMS: 1.211 HYGIENE BREAK Note: Start no earlier than 8:40hrs from end of CAMPOUT MASK P/B MCC-H Performs Steps 1-4, 16-20, &23		
14:00	EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP	EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP		
15:00			DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG 042 MDDK ST CK (ASSY OPS, PAYLOADS) ROBO: 1.130 S6 INSTALL AND RELEASE Steps 1-9 EXERCISE CONSTRAINT	NO EXC DURING USTO MNVR NO ARED DURING S6 MNVR
	EVA SYSTEMS: 1.220 EMU PURGE	EVA SYSTEMS: 1.220 EMU PURGE		
16:00				

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

MET	CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
16:00	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	EVA SYSTEMS: 1.225 EMU PREBREATHE	EXERCISE CEVIS	NO ARED EXERCISE DURING S6 MNVR
17:00	P/TV07 EVA (PHOTO/TV, SCENES) Setup	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Depress	IVA SUPPORT PREP EVA 1	
	P/TV07 EVA (PHOTO/TV, SCENES) Ops	EVA SYSTEMS: CREWLOCK DPRS/RPRS(CC) POST DPRS		
		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Init Fill #2, Ref MSG 035		
18:00		TRANSFER OPS Ref. Transfer List & MSG 042		
19:00		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	IVA SUPPORT EVA 1	NO EXERCISE DURING S6 INSTALL
		SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Init Fill #3 Ref MSG 035		
	MEAL	MEAL		NO IRED, HC1,VELO, ERGOMETER OR BUNGEE WHILE OUTBOARD OF SARJ
20:00				

BIAS-XLV-ZVV

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

MET	MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	NOTES
16:00	EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	ROBO: 1.130 S6 INSTALL AND RELEASE Steps 1-9 EXERCISE CONSTRAINT	NO ARED EXERCISE DURING S6 MNVR
17:00	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Depress	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Depress		
	EVA SYS: CREWLOCK DPRS/RPRS(CC) POST DPRS	EVA SYS: CREWLOCK DPRS/RPRS(CC) POST DPRS		
	EGRESS	EGRESS	CAMERA SUPPORT FOR SSRMS	
18:00	EVA 1 SETUP	EVA 1 SETUP		
			ROBO: 1.130 S6 INSTALL AND RELEASE Steps 10-12 EXERCISE CONSTRAINT	
	ATTACH S6 TO S5	ATTACH S6 TO S5		NO EXERCISE DURING S6 INSTALL
19:00				
	CONNECT S5 TO S6 UMBILICALS	CONNECT S5 TO S6 UMBILICALS	ROBO: 1.130 S6 INSTALL AND RELEASE Steps 13-14	NO IRED, HC1,VELO, ERGOMETER OR BUNGEE WHILE OUTBOARD OF SARJ
20:00			MEAL	

BIAS-XLV-ZVV

8

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

20:00 21:00 22:00 23:00 00:00

CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
MEAL	MEAL		
P/TV07 EVA (PHOTO/TV, SCENES) Ops	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION		NO IRED, HC1,VELO, ERGOMETER OR BUNGEE WHILE OUTBOARD OF SARJ
	CWC TRANSFER Transfer 2 CWCs to ISS		
	TRANSFER OPS Ref. Transfer List & MSG 042		
	IFM ERGOMETER Ref MSG 039 item 6 & MSG 046	IVA SUPPORT EVA 1	NO IRED HC1,VELO, ERGOMETER OR BUNGEE AFTER PVR CINCH/ WINCH THROUGH PVR DEPLOY
			NO EXERCISE DURING PVR DEPLOY
SAW DEPLOY VIEWING (PDRS, VIEWING SUPPORT) Steps 1-2 Ref MSG 039 Item 4	SAW DEPLOY VIEWING (PDRS, VIEWING SUPPORT) Steps 1-2 Ref MSG 039 Item 4		
EXERCISE CEVIS	PRLA CLOSE (ORB OPS, PRLA)		
	EVA SYSTEMS: PRE REPRESS (CC)		

BIAS - XLV - ZVV

6

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 003 | STS ATI

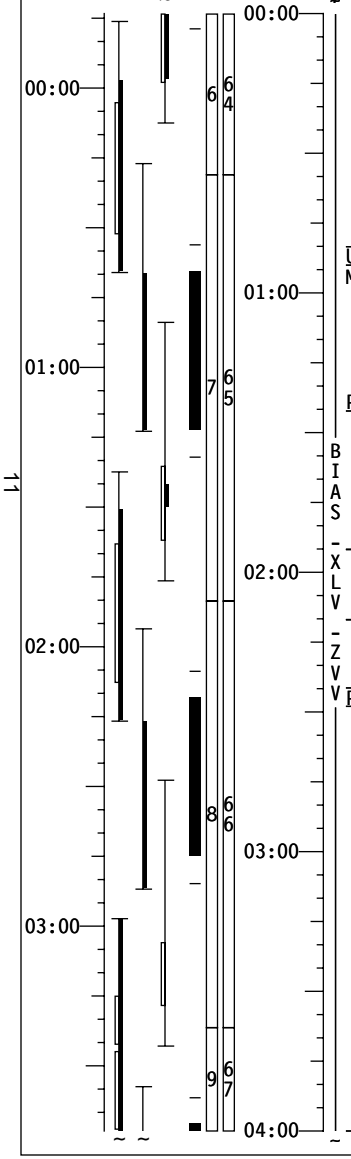
20:00 21:00 22:00 23:00 00:00

MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	NOTES
CONNECT S5 TO S6 UMBILICALS	CONNECT S5 TO S6 UMBILICALS	MEAL	NO IRED, HC1,VELO, ERGOMETER OR BUNGEE WHILE OUTBOARD OF SARJ
PVR CINCHES AND WINCH RELEASE	RELEASE SABB RESTRAINTS	ROBO: 1.200 SSRMS MNVR TO SAW DPLY VIEW Steps 1-4	
KEEL PIN ROTATION			
BGA RELEASE		IFM ERGOMETER Ref MSG 039 Item 6 & MSG 046	NO IRED HC1,VELO, ERGOMETER OR BUNGEE AFTER PVR CINCH/ WINCH THROUGH PVR DEPLOY
UNSTOW NADIR (1B) SABB	UNSTOW ZENITH (3B) SABB		
SSU AND ECU COVER REMOVAL	SSU AND ECU COVER REMOVAL		
CLEANUP AND A/L INGRESS	CLEANUP AND A/L INGRESS		NO EXERCISE DURING PVR DEPLOY
		TRANSFER TAGUP Coordinate with transfer counterpart	
		TRANSFER BRIEF Call down status to MCC	
EVA SYSTEMS: PRE REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC)		

BIAS - XLV - ZVV

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATT



CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
EXERCISE CEVIS	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Repress	MUS (ASSY OPS, PAYLOADS) MOP (ASSY OPS, PAYLOADS)	
	EVA SYSTEMS: 1.240 POST EVA Perform H2O Recharge; No Metox regen MCC-H will perform Steps 44 & 68 Ref. Updated Consumables CC MSG 017	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
UPDATE UNIV PTG (POST S6 INSTALL ATT) MNVR (TRK) BIAS -XLV -ZVV TG=2 BV=5 P=162 Y=359 OM=174 √A/FREE/VERN, Init TRK DAP Permanent Edit: A12: CA=5 B12: CA=5 Config DAP A,B to A12, B12 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
	MOP (ASSY OPS, PAYLOADS)	EVA SYSTEMS: 1.605 BSA BATTERY RECHARGE Perform INITIATE Ref. Battery Recharge Plan MSG 018	
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
POST EVA TAGUP	PLAYBACK OPERATIONS (PHOTO/TV, CUE CARD) Ergometer IFM Playback if required KU TDRW (01:54-02:24)	EVA SYS: 1.635 REBA RECHARGE FROM PSA UTILITY OUTLET Initiate Steps 1-14 Ref. Battery Recharge Plan MSG 018	UPLINK β21 + Mask Box 40, 60
PRIVATE MEDICAL CONFERENCE	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

BIAS -XLV -ZVV

CREW WAKE at 04/12:00

11

STS-119 FD (05)

GMT Date 03/19 (078) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 004 | STS ATI

MS2 SWANSON

EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)
Crewlock Repress

EVA SYSTEMS: 1.240 POST EVA
Perform H2O Recharge; No Metox regen
MCC-H will perform Steps 44 & 68

Ref. Updated Consumables CC MSG 017

MOP (ASSY OPS, PAYLOADS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST EVA TAGUP

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 ARNOLD

EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)
Crewlock Repress

EVA SYSTEMS: 1.240 POST EVA
Perform H2O Recharge; No Metox regen
MCC-H will perform Steps 44 & 68

Ref. Updated Consumables CC MSG 017

MOP (ASSY OPS, PAYLOADS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLAYBACK OPERATIONS (CREW CHOICE)
(P/TV, CC) KU TDRW (01:54-02:24)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 PHILLIPS

TRANSFER BRIEF Call down status to MCC

CYCLE ERGOMETER OPS (ORB OPS, CREW SYS)
Perform ALTERNATE ERGOMETER EXERCISE
√MCC-H Prior to start
Ref MSG 039 Item 2

MDDK ST CK (ASSY OPS, PAYLOADS)Step 1 only

MUS (ASSY OPS, PAYLOADS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

ROBO: 1.200 SSRMS MNVR TO SAW DPLY VIEW
Step 5

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

BIAS-XLV-ZVV

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

6 64 7 65 8 66 9 67

CREW WAKE at 04/12:00

Good Morning Discovery!

Enjoyed watching your work with S6 yesterday. ISS is almost symmetric, looking forward to that becoming permanent today!

YOUR CURRENT ORBIT IS: 198 X 185 NM

NOTAMS:

NOTAMS - ONE ADDITION

EDW -	EDW IN USE. EDT ELS DAY / VFR ONLY.
EDW -	LAKEBED RUNWAYS RED - WET.
NOR -	LAKEBED RUNWAYS GREEN.
FMH -	TACAN PVD103 DME ONLY.
DOV -	RWY 14/32 CLOSED.
MRN -	TACAN AOG23 OTS.
WAK -	TACAN AWK82 OTS.
HAW -	TACAN ASI59 DME OTS.
AMB -	**RWY 15/33 CLOSED.**
IKF -	NOT USABLE. NO AGREEMENT.
BEN -	NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 64 – 3/23:54 SCT120 BKN200 7 240/10P18
EDW22 ORB 79 – 4/22:46 FEW120 SCT200 7 220/12P18

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.

DELTA V AVAILABLE:

OMS	382 FPS
ARCS (TOTAL ABOVE QTY1)	41 FPS
TOTAL IN THE AFT	423 FPS
ARCS (TOTAL ABOVE QTY2)	74 FPS
FRCS (ABOVE QTY 1)	42 FPS
AFT QTY 1	85 %
AFT QTY 2	48 %

SYSTEM	FAILURE	IMPACT	WORK AROUND
EPS	Waste Management Compartment Floodlight failed.	Loss of lighting in the Waste Management Compartment.	Crew can utilize the Photo TV floodlight.

END OF PAGE 2 OF 2, MSG 040

The FD04 MMT met briefly to review mission progress. Congratulations on a flawless rendezvous and docking! It is a great milestone for JAXA as Koichi Wakata begins his Expedition mission on the ISS. The minor system anomalies were briefly summarized and the only reportable item is that the team is developing an IFM procedure to further troubleshoot the Shuttle ergometer.

Damage Assessment Team Summary: A preliminary summary from the Damage Assessment Team was discussed. The RCC is very clean and the team was almost finished with their assessment of the TPS tiles and blankets. A tile RTV bond analysis for a ~0.25 inch deep divot on the underside of the port inboard elevon was almost complete at the time of the MMT. This damage site is not in the cone of influence behind the tile with the Boundary Layer Transition DTO protuberance. After the MMT, the DAT team determined this elevon region of interest is not a concern. As a result, focused inspection is not required. A detailed summary will be available for review at tomorrow's MMT.

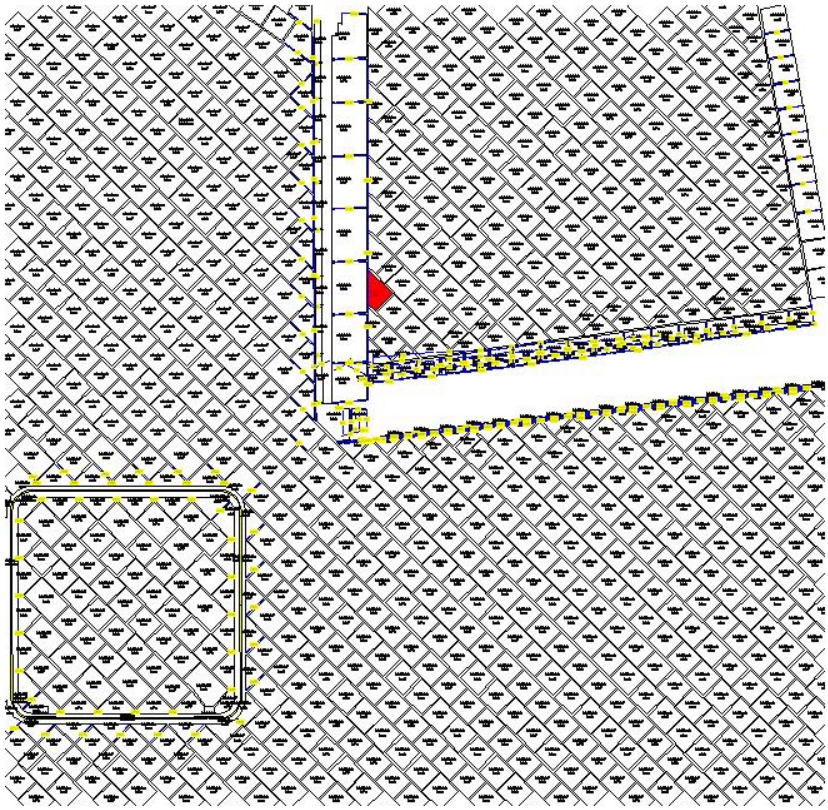


Figure 1: Tile Map Location of the Port Inboard Elevon Tile

END OF PAGE 1 OF 1, MSG 041B

John & Ricky,

You accomplished more excellent work yesterday and are transferring at a very good pace. Thanks so much for making it seem easy!

There's not much transfer scheduled today. Per the timeline, Sandy & Koichi will perform the PCDF payload transfer. For the scheduled transfer time on Tony, he can continue working through the resupply list.

Transfer Questions

- Item 12: Please confirm for us the letter decal on the 5 MLE bag at NOD2D5 (we expect this to be letter "E" now, with letter "D" moved to prepacked return item 412).

The Transfer List Excel file, FD5_Transfer_List_STS119.xls, locations are:

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

FD05 Transfer Choreography

- Koichi & Sandy: Resupply Item 14: Transfer PCDF-PU per PCDF-PU Transfer activity

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

In the Transfer List **RETURN** tab
Replace the following pages:
Return 9 & 11

Changes to the Transfer List are detailed below:

RETURN
Item 727 – comment added for clarification
Item 902 – new item
Item 903 – new item

FD06 Transfer Choreography

- Sandy & Koichi: Resupply Item 4, 17 & Return Item 722: Transfer Glacier and IVA handle per Glacier Transfer activity
- Sandy & Ricky: Resupply Items 5 & 5.1: Transfer Bag E and new UPA DA per UPA Unpack & Transfer activity
- Mike: Resupply Item 16 & Return Item 711: Transfer CD stowage cases per OPSLAN-CD/MEDIA-XFER activity
- Sandy: Return Item 726: Transfer microbial sample per EHS-WATER-T+2 activity

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

- The 15A Transfer Team

FD5 EVA1 Deltas:

Swanny, Ricky & Joe – Good luck on today's EVA! The team is excited to see you outside and will be watching eagerly. We have one update for you: The jettison of the SSU and ECU shrouds should be ISS Forward-Nadir. Currently the procedure does not match due to late P&I changes.

P&I the following:
Pg 7-42 step 14 line 2 (both crew): (retrograde, **forward**-nadir)
Pg 7-43 step 21 line 2 (both crew): (retrograde, **forward**-nadir)