STS-123 / 1J / A

FD 05 Execute Package

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Approved by FAO:

T. Melroy

Last Updated: Mar 14 2008 7:56PM 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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034	FD05 Mission Summary
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039	EVA Words for FD05
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1. Exercise Constraints

Table A (Entire Docked Timeframe) was built per Flight Rule 1JA_C2-79. Table B (Flight Day 05 – OBSS Hand-off) was built per Flight Rule 1JA_C2-76.

- The generic exercise constraints that apply to the entire docked timeframe are listed in the table below.

Exercise Constraints Table A: Entire Docked Timeframe

Exercise Constraints
RED limited to 3 sec (squats and heel raises) and 2 sec (situps) between repetitions
HC-1 limited to 3 sec (torso bending and rowing) and 2 sec (hammer throw and forearm bending) between repetitions
Use of theraband or any other exercise band while exercising on Shuttle Ergometer is prohibited, except during EVA prebreathe, and always on CEVIS
Use of ISS hard-mounted exercise equipment during 1-jet PRCS attitude control and reboost is prohibited

B. The table below summarizes the Shuttle and ISS exercise constraints that are specific for today. These constraints are also noted in your timelines for your reference.

Exercise Constraints Table B: FD05 – OBSS Hand-off

Activity	Exercise Constraints	
	Shuttle	ISS
OBSS hand-off from SSRMS to SRMS	No exercise while both arms grappled to OBSS	No exercise while both arms grappled to OBSS

2. SPDM

After uplinking the new software configuration last night, MCC-H made an attempt to power up the SPDM. The powerup attempt was unsuccessful, potentially indicating an SLP cabling design issue. To remove the suspect cabling path from the loop, after the SSRMS has completed its OBSS operations, you will maneuver the SSRMS to grapple the SPDM PDGF in the SPDMs current configuration. After the grapple maneuver, the Ground will change the SPDM base from the POA to the tip of the SSRMS, then attempt to power up the SPDM in this configuration. MCC-H expects that normal communications will then be established.

- This means that we will have to modify the sequence of SSRMS maneuvers on later days, adding ungrappling of the SPDM prior to EVA 2, grappling the SPDM after EVA 2, and ungrappling the SPDM before EVA3. After EVA3, SSRMS ops will be back on the nominal plan.

3. OBSS Grapple

Please ensure that you perform a hand controller calibration at the Lab RWS prior to beginning the OBSS grapple. The calibration data was lost when we powered down the workstations in order to load the software patch.

4. JLP Ingress

We would like to remind you about the JLP Air Sampling Choreography that will be performed today during the JLP Ingress. The intent is to take the CSA-CP readings simultaneously with the ИПД-CO sample and take the GSC sample in parallel with the AK-1M sample. The CDM reading is not correlated with any Russian air samples.

All crewmembers who ingress JLP must don PPE (surgical mask and safety goggles) until 30 minutes have elapsed after JLP ingress. Gather 4 surgical masks from the STS CCK (Locker MA9N), 2 are for Peggy and Yuri. Rick, use goggles from the STS CCK and your personal earplugs, and Takao, find your personal goggles and earplugs (Locker MF57H).

Once the JLP ingress is complete, temp stow surgical masks in the LiOH box and do not return to STS CCK. Return the goggles and earplugs to their initial stowage location. Note that it will be necessary to retrieve surgical masks from the LiOH box rather than the CCK in the event a hazardous spill of level 0 thru 2. The LiOH box contains extra surgical masks for LiOH changeouts.

5. JLP Shell Temp Measurement

During tomorrow's JLP Shell Temp Measurement, please reference the procedure uplinked in MSG 029 (16-1326) and the notes in MSG 041 (16-1339). To record the status checks requested in this procedure, reference MSG031 (16-1325). We have also placed an electronic copy of the spreadsheet on the desktop of the KFX machine for your use.

6. Happy News: We have been successful in connecting the Shuttle PGSC network with the ISS OCA link.

7. REPLACE PAGES 2-14 AND 2-16, AND 3-44 THROUGH 3-63.

No Exercise, period !
(OBSS H/O: SSRMS -> RMS)

03/14/08 14:30:32 **REPLANNED**

GMT 03/14/08 (074): 19 | 20 | 21 | 22 | 23 | 03/15 | 01 | 02 | 03 | 04 | 05 | 06

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

FD05

	Crew	Activities
STS-123	CDR GORIE (R2)	SLEEP; POST SLEEP; CDM BATT CH OUT; RMS GRAP OBSS; RMS*; EXERCISE; XFER OPS; MEAL; XFER OPS; PAO; GAP-T; IMU
STS-123	PLT JOHNSON (R1)	SLEEP; SLEEP; POST SLEEP; MCIU*; MRL*; RMS GRAP OBSS; RMS*; XFER OPS; EXERCISE; MEAL; XFER OPS; PAO; PEN & INK; CWC#2; INIT
STS-123	MS1 BEHNKEN (M1)	SLEEP; SLEEP; POST SLEEP; SSRMS OBSS GRAP; OBSS; UNBTH; OBSS H/O TO SRMS; OBSS; RLS; SSRMS; POSN; FI; SSRMS; EV2SSU; SPDM PDGF GRAPPLE; MTX-T; MEAL; EVA2 TOOL CONFG; EMU SWAP; REBA*; REBA; C/O; BATT/X; METOX; INSTL; EXER; CISE
STS-123	MS2 FOREMAN (EV2)	SLEEP; SLEEP; POST SLEEP; EXERCISE; DATE; BSA-T; BSA INIT; MEAL; EVA2 TOOL CONFG; EMU SWAP; REBA*; REBA; C/O; BATT/X; METOX; INSTL; E_LK PREP
STS-123	MS3 DOI	SLEEP; CDM-DASPRN; POST SLEEP; DPC; POST SLEEP; JLP VEST OUTFIT 1; MKAM; S/U; MKAM^; JLP CK; FAN O; VEST OUTFIT 2; MEAL; JLP CK; FAN 1; JLP INGRESS; PPRV; CAP; JLP; INSP; NPRV & ELPS CK OUT; LL*; ♣
STS-123	MS4 LINNEHAN (EV1)	SLEEP; POST SLEEP; JLP VEST OUTFIT 1; JLP CK; FAN O; VEST OUTFIT 2; MEAL; JLP CK; FAN 1; JLP INGRESS; EXERCISE; E_LK PREP
DN	FE-2 EYHARTS (M2)	SLEEP (8.5); POST SLEEP; PW; DPC; PREP WORK; PFC; SSRMS OBSS GRAP; OBSS; UNBTH; OBSS H/O TO SRMS; S/U; OBSS; RLS; SSRMS; POSN; FI; SSRMS; EV2SSU; SPDM PDGF GRAPPLE; MEAL; HANDOVER; RED; ⊕
EXP	ISS CDR WHITSON	SLEEP (8.5); POST SLEEP; PW; DPC; PREP WORK; CWC; JLP VEST OUTFIT 1; DEGAS; ♦; JLP CK; FAN O; VEST OUTFIT 2; MEAL; JLP CK; FAN 1; JLP INGRESS; JLP; INSP; NPRV & ELPS CK OUT; DCS
EXP	FE-1 MALENCHENKO	SLEEP (8.5); POST SLEEP; PW; DPC; PREP WORK; ®; TVIS; Г-28Р СИ STOW; СОГС CMS ANLZ; ИПД АК PREP; MEAL; ИПД АК1 SMPL; ИП-1; МНТ; БЖ MNT; СОЖ; VELO+RED
UP	FE-2 EXP16 REISMAN	SLEEP (8.5); ASPRN; POST SLEEP; PW; DPC; PREP WORK; EXER; OV; ♥; D-HANDLE MNT; ADAPT; MEAL; HANDOVER; EXER; H/O; PAO; ADAPT; ♣

STS	
DAY/NIGHT	
ORBIT	57 | 58 | 59 | 60 | 61 | 62 | 63 | 64
TDRS W -171	
TDRS E -46	
TDRS Z -275	
ORB ATT	BIAS -XLV -ZVV

NOTES:
®ALC CARD RPLC ♦P/TV CAM POS *-Y STR TRKR CLR MNVR *INSTALL ♣PFE PBA S/
♥PCMCIA *RELEASE ^ACT ⊕RSU PREP
*FILTER CK *RMVL

GMT 03/15/08 (075) 07 08 09 10 11 12 13 14 15 16 17 18

MET β=15 Day 004 004/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-123	**FD05** CDR GORIE	CSI XFER		PRE SLEEP	EVA 2 PROC RVW	PMC A/G	PRE SLEEP		SLEEP	
STS-123	PLT JOHNSON	XFER OPS		CWC TERM	EVA 2 PROC RVW		PRE SLEEP		SLEEP	
STS-123	MS1 BEHNKEN	EXER CISE	XFER TAGUP	XFER BREF	EVA 2 PROC RVW		PRE SLEEP		SLEEP	
STS-123	EV2 MS2 FOREMAN	♣		PRE SLEEP	EVA 2 PROC RVW	PRE SLEEP	MASK PB/TOOL CONFIG	10.2 DPRS	PRE SLEEP	SLEEP
STS-123	MS3 DOI	PFE PBA S/U	FANO	PRE SLEEP	EVA 2 PROC RVW		PRE SLEEP		SLEEP	
STS-123	EV1 MS4 LINNEHAN	⊕		PRE SLEEP	EVA 2 PROC RVW	PRE SLEEP	MASK PB/TOOL CONFIG	10.2 DPRS	PRE SLEEP	SLEEP
DN	FE-2 EYHARTS	CSI OPS	TVIS		EVA 2 PROC RVW		PRE SLEEP-ISS		SLEEP (8.5)	
EXP	ISS CDR WHITSON	LABEL	FANO	DCS EXER	PREP WORK	EVA 2 PROC RVW		PRE SLEEP-ISS	SLEEP (8.5)	
EXP	FE-1 MALENCHENKO	♦	IMS	BПpK PHOTO	PREP WORK	EVA 2 PROC RVW		PRE SLEEP-ISS	SLEEP (8.5)	
UP	FE-2 EXP16 REISMAN	PFE PBA S/U	PW	EXER H/O	PREP WORK	EVA 2 PROC RVW		PRE SLEEP-ISS	SLEEP (8.5)	

STS

DAY/NIGHT

ORBIT 64 65 66 67 68 69 70 71 72

TDRS W -171 E -46 Z -275

ORB ATT BIAS -XLV -ZVV

NOTES
♣E_LK PREP
⊕E_LK PREP
♦VELO+RED

STS-123 (FD05)

GMT Date 03/14 (074) | W | TDRSE | Z | DORB | ORB | MET Day 003 | STS ATI

CDR GORIE | PLT JOHNSON | MS3 DOI | MCC | NOTES

FD05 EZ ACTIVITES
Check TEPC Status
OCAC Filter Inspect
Hard Reboot PGSCs (Except WLES & RPOP2)

12:00 — 13:00 — 14:00 — 15:00 — 16:00 — 19:00 — 20:00 — 21:00 — 22:00

DORB: 14, 15, 16, 19 — ORB: 56, 57, 58, 59

BIAS -XLV -ZVV

SLEEP (CDR GORIE)

SLEEP (PLT JOHNSON)

SLEEP (MS3 DOI)

FLIGHT SLEEP LOG (ORB OPS, SDBI) CDM DEACT (ORB OPS, CDM DTO)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — CDR GORIE

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — PLT JOHNSON

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS3 DOI

DAILY PLANNING CONFERENCE

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

STS-123 (FD05)

GMT Date 03/14 (074)	W	TDRSS E	TDRSS Z	DORB	ORB	MET Day 003	STS ATI	MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	NOTES
12:00				14	56						
19:00											
13:00				15	57			SLEEP	SLEEP	SLEEP	
20:00							BIAS-XLV-ZVV				
14:00								FLIGHT SLEEP LOG (ORB OPS, SDBI)	FLIGHT SLEEP LOG (ORB OPS, SDBI)	EVA CREW: TAKE 1 ASPIRIN (325mg)	
21:00				16	58						
15:00								POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
22:00				1	59						
16:00											

STS-123 (FD05)

GMT Date 03/14 (074) | W | TDRS E | Z | DORB 1 2 3 4 | ORB 59 60 61 62 | MET Day 003 | STS ATI

CDR GORIE | PLT JOHNSON | MS3 DOI | MCC | NOTES

16:00

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

ASSY OPS: 1.102 VESTIBULE OUTFITTING NODE 2 TO JLP - PART 1
Ref. MSG 038 for Stowage Locations

23:00

CDM SETUP & BATT CH OUT (ORB OPS, CDM DTO)
Attach CDM in Location 2

L17 Check MCIU filter screen

17:00

OBSS H/O FROM SSRMS TO SRMS (PDRS, OBSS H/OFF) (MRL Rel)
Step 1-5

00:00

ASSY OPS: 1.104 MKAM SETUP FOR JLP MONITORING Steps 4-5
Ref. MSG 038 for Stowage Locations

ASSY OPS: 1.105 MKAM ACT/DEACT
Step 1 (Act)

18:00

BIAS-XLV-ZVV

OBSS HANDOFF FROM SSRMS TO SRMS (PDRS, OBSS H/OFF) Grapple
Steps 6-7

OBSS HANDOFF FROM SSRMS TO SRMS (PDRS, OBSS H/OFF) Grapple
Steps 6-7

ASSY OPS: 1.108 JLP HCTL STATUS & SHELL TEMP CK - MKAM Step 1

ASSY OPS:1.106 JLP FAN ACT/DEACT-MKAM [A]

ASSY OPS: 1.103 VESTIBULE OUTFITTING NODE2 TO JLP - PART 2
Ref. MSG 038 for Stowage Locations

[A] (Deact) Step 2 Except SRCA off step

NO EXERCISE

01:00

19:00

RMS MNVR -Y STAR TRKR CLEAR (PDRS, VIEW SUPT)

RMS MNVR -Y STAR TRKR CLEAR (PDRS, VIEW SUPT)

TRANSFER OPS
Ref. Transfer List & MSG 036

02:00

EXERCISE

EXERCISE

20:00

STS-123 (FD05)

GMT Date 03/14 (074) | EXERCISE W E Z | NO EXERCISE | DORB 1 2 3 4 | ORB 59 60 61 62 | MET Day 003 | STS ATI

MS1 BEHNKEN | MS2 FOREMAN | MS4 LINNEHAN | NOTES

16:00 17:00 18:00 19:00 20:00 23:00 00:00 01:00 02:00

BIAS-XLV-ZVV

MS1 BEHNKEN

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

ROBO: 1.301 OBSS HANDOFF TO SRMS
Steps 1-2
OBSS Grapple

ROBO: 1.301 OBSS HANDOFF TO SRMS
Steps 3-6
OBSS Unberth

ROBO: 1.301 OBSS HANDOFF TO SRMS
Steps 7-11
OBSS Handoff to SRMS from SSRMS

ROBO: 1.301 OBSS HANDOFF TO SRMS
Steps 12-13
OBSS Release

ROBO: 1.301 OBSS HANDOFF TO SRMS
Step 14
SSRMS Position for Focused Inspection

ROBO: 1.401 EVA 2 SETUP

SPDM PDGF GRAPPLE
Ref. MSG 042

MS2 FOREMAN

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

EXERCISE

DATE/TIME SET (PHOTO/TV, 760)
Perform for DCS 760 s/n 1021

EVA SYS: 1.605 BSA BATTERY RECHARGE (Term)

MS4 LINNEHAN

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

ASSY OPS: 1.102 VESTIBULE OUTFITTING NODE 2 TO JLP - PART 1
Ref. MSG 038 for Stowage Locations

ASSY OPS: 1.108 JLP HCTL STATUS & SHELL TEMP CK - MKAM Step 1

ASSY OPS:1.106 JLP FAN ACT/DEACT-MKAM [A]
ASSY OPS: 1.103 VESTIBULE OUTFITTING NODE2 TO JLP - PART 2
Ref. MSG 038 for Stowage Locations
[A] (Deact) Step 2 Except SRCA off step

NOTES

NO EXERCISE

STS-123 (FD05)

GMT Date 03/15 (075) | W | TDRS E | TDRS Z | DORB 4 5 6 | ORB 62 63 64 | MET Day 003 | STS ATI

BIAS -XLV -ZVV

MET	CDR GORIE	PLT JOHNSON	MS3 DOI	MCC	NOTES
20:00	EXERCISE TRANSFER OPS Ref. Transfer List	EXERCISE	ASSY OPS: 1.103 VESTIBULE OUTFITTING NODE2 TO JLP - PART 2 Ref. MSG 038 for Stowage Locations		
03:00					
			B (Act) Step 1 except SRCA On Step		
21:00	MEAL	MEAL	MEAL C Ref. MSG 038 for Stowage Locations D Remove tape labelled "EMPTY" from Node 1 Port Locker. Ref. MSG 038 for Stowage Locations		
04:00	TRANSFER OPS Ref. Transfer List	TRANSFER OPS Ref. Transfer List	ASSY OPS: 1.108 JLP HCTL STATUS & SHELL TEMP CK - MKAM Step 2 ASSY OPS:1.106 JLP VENT FAN ACT/DEACT-MKAM B ASSY OPS: 1.109 JLP INGRESS & NODE 2/JLP IMV ESTABLISHMENT Ref. Transfer List: Items 701 & 712 Ref. MSG 038 for Stowage Locations		
05:00			ASSY OPS: 1.110 JLP PPRV CAP INSTALLATION Ref. MSG 038 for Stowage Locations ASSY OPS: 1.113 JLP INSPECTION		
22:00					
23:00	PUBLIC AFFAIRS EVENT ISS KU TDRE: 22:46-23:22 Ref. MSG 037	PUBLIC AFFAIRS EVENT ISS KU TDRE: 22:46-23:22 Ref. MSG 037	ASSY OPS: 1.111 JLP NPRV & ELPS CK OUT NPRV & IMV Duct V-Bd Clamp threads can have a sharp edge hazard. Take care when accessing the V-Band Clamps. Refer to Figure 1 in proc 1.111. Ref. MSG 038 for Stowage Locations		
06:00		P&I Changes to ROBO: 1.601 EVA3 SETUP & ROBO: 1.602 EVA3 OTP/THA INSTALL & ORU XFERS Ref. MSG 017			
00:00	GAP TERMINATION (GAPs A, B, C, D) (ASSY OPS, GAP) IMU STAR OF OPPTY ALIGN (ORB OPS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) CWC FILL #2 Ref. MSG 025 Fill duration ~52 minutes	ASSY OPS: 2.107 EPS1 RACK STOWAGE TRAY DOOR LAUNCH LOCK REMOVAL Perform EPS1 C ASSY OPS: 1.114 JLP EMERGENCY EQUIPMENT ON-ORBIT PREP AND INSPECTION D		

STS-123 (FD05)

GMT Date 03/15 (075) | W E Z | DORB 4 5 6 | ORB 62 63 64 | MET Day 003 | STS ATI

BIAS-XLV-ZVV

MET	MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	NOTES
20:00	SPDM PDGF GRAPPLE Ref. MSG 042 EVA SYS: 1.510 METOX REGENERATION (Term)	EVA SYS: 1.605 BSA BATTERY RECHARGE (Term) EVA SYS: 1.605 BSA BATTERY RECHARGE (Init) REF: STS-123 BATTERY RECHARGE PLAN CC & STS-123 CONSUMABLES TRACKING CC (EVA)	ASSY OPS: 1.103 VESTIBULE OUTFITTING NODE2 TO JLP - PART 2 Ref. MSG 038 for Stowage Locations	
03:00				
21:00	MEAL	MEAL	MEAL	
04:00	PRE EVA 2 TOOL CONFIG (EVA, TIMELINES)	PRE EVA 2 TOOL CONFIG (EVA, TIMELINES)	ASSY OPS: 1.108 JLP HCTL STATUS & SHELL TEMP CK - MKAM Step 2 ASSY OPS:1.106 JLP VENT FAN ACT/DEACT-MKAM B ASSY OPS: 1.109 JLP INGRESS & NODE 2/JLP IMV ESTABLISHMENT Ref. Transfer List: Items 701 & 712 Ref. MSG 038 for Stowage Locations B (Act) Step 1 except SRCA On Step	
22:00	EMU SWAP FOR EVA 2 (EVA, AIRLOCK CONFIG) Ref. MSG 039	EMU SWAP FOR EVA 2 (EVA, AIRLOCK CONFIG) Ref. MSG 039		
05:00	EVA SYS: 1.307 REBA INST/RMVE INSTALLATION in EMU 3003 Ref: STS-123 Consumables Tracking CC EVA SYS: 1.403 REBA POWERED HARDWARE CHECK EMU 3003	EVA SYS: 1.307 REBA INST/RMVE INSTALLATION in EMU 3003 Ref: STS-123 Consumables Tracking CC EVA SYS: 1.403 REBA POWERED HARDWARE CHECK EMU 3003	EXERCISE	
23:00	EVA SYS: 1.515 EMU METOX/LIOH/ BATTERY REPLACEMENT Instl LiOH canister/EMU batt on EMU 3004 per STS-123 Consumables Tracking CC	EVA SYS: 1.515 EMU METOX/LIOH/ BATTERY REPLACEMENT Instl LiOH canister/EMU batt on EMU 3004 per STS-123 CONSUMABLE TRACKING CC		
06:00		EVA SYS: 1.305 EQUIP LOCK PREP Select Overgloves for EVA use. REF: STS-123 CONSUMABLE TRACKING CC (EVA) REF: MSG 013	EVA SYS: 1.305 EQUIP LOCK PREP Select Overgloves for EVA use. REF: STS-123 CONSUMABLE TRACKING CC (EVA) REF: MSG 013	
00:00	EXERCISE			

STS-123 (FD05)

GMT Date 03/15 (075) | W | T D R S E | Z | D O R B | O R B | MET Day 004 | STS ATI

MET	CDR GORIE	PLT JOHNSON	MS3 DOI	MCC	NOTES
00:00	NLP-CSI XFER Ref. Transfer List: Items 41-41.3	TRANSFER OPS Ref. Transfer List	ASSY OPS: 1.114 JLP EMERGENCY EQUIPMENT ON-ORBIT PREP AND INSPECTION [D] [C] Ref. MSG 038 for Stowage Locations ASSY OPS: 1.106 JLP FAN ACT/DEACT-MKAM Step 2 (Deact) except SRCA off step		
01:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION CWC TRANSFER Transfer 1 CWC to ISS	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
02:00	EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)	EVA 2 PROCEDURE REVIEW REF: EVA 2 BRIEFING CARD (EVA, TIMELINES)		
03:00	PRIVATE MEDICAL CONFERENCE Perform via A/G 2 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
04:00					

Notes: 07:00, 08:00, 09:00, 10:00; DORB 6, 7, 8, 9; ORB 64, 65, 66, 67; STS ATI: BIAS-XLV-ZVV

STS-123 (FD05)

GMT Date 03/15 (075) | W | TDRSE | Z | DORB | ORB | MET Day 004 | STS ATI

MS1 BEHNKEN | MS2 FOREMAN | MS4 LINNEHAN | NOTES

00:00 — 01:00 — 02:00 — 03:00 — 04:00 — 07:00 — 08:00 — 09:00 — 10:00

DORB: 6, 7, 8, 9 — ORB: 64, 65, 66, 67

STS ATI: BIAS-XLV-ZVV

MS1 BEHNKEN

EXERCISE

TRANSFER TAGUP
Coordinate with transfer counterparts

TRANSFER BRIEF
Call down status to MCC

EVA 2 PROCEDURE REVIEW
REF: EVA 2 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS2 FOREMAN

EVA SYS: 1.305 EQUIP LOCK PREP
Select Overgloves for EVA use.
REF: STS-123 CONSUMABLE TRACKING CC (EVA)
REF: MSG 013

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA 2 PROCEDURE REVIEW
REF: EVA 2 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE
REF: PRE EVA 2 TOOL CONFIG
(EVA, TIMELINES)
REF: 123 CONSUMABLES TRACKING CC (EVA)
REF: MSG 013

MS4 LINNEHAN

EVA SYS: 1.305 EQUIP LOCK PREP
Select Overgloves for EVA use.
REF: STS-123 CONSUMABLE TRACKING CC (EVA)
REF: MSG 013

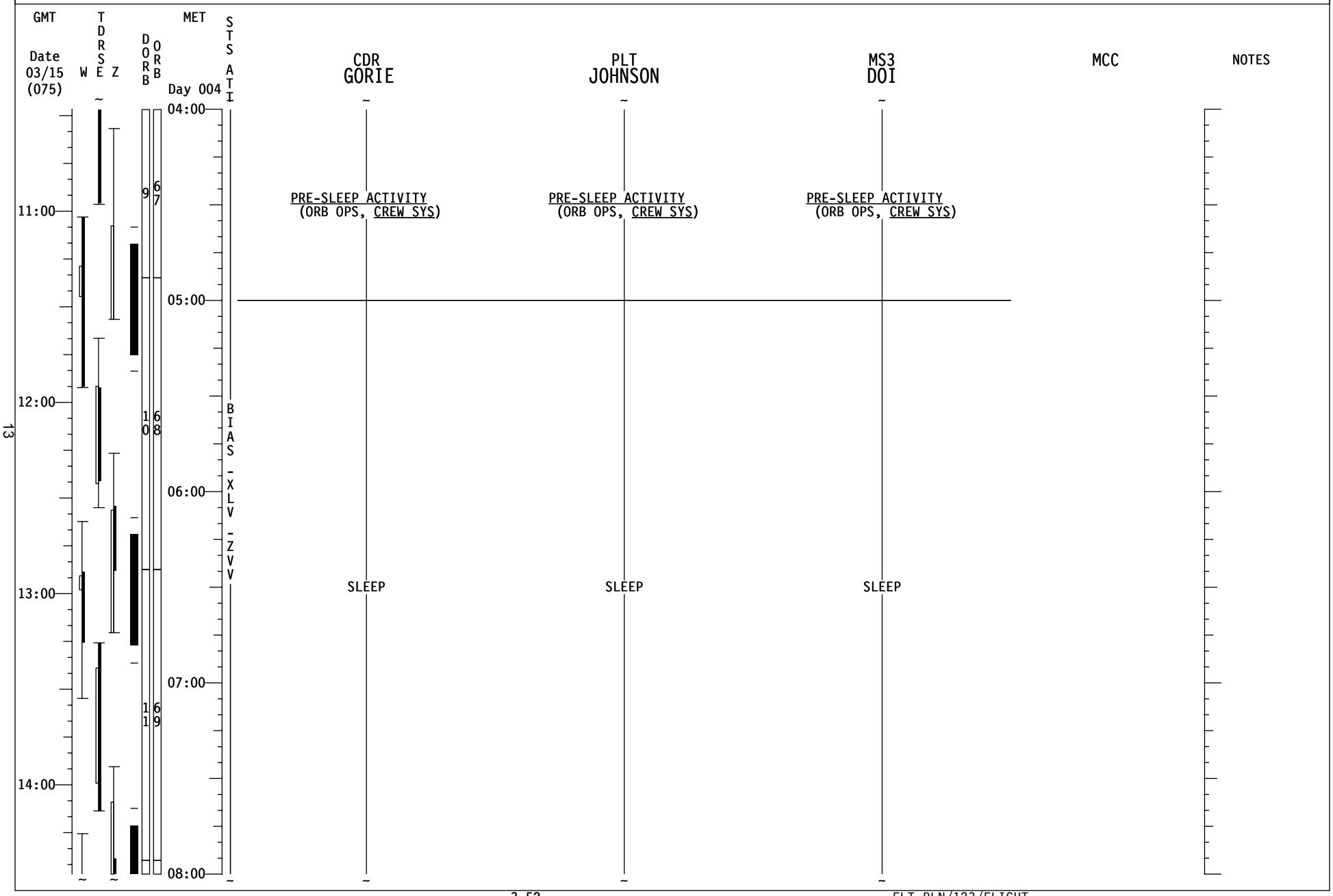
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA 2 PROCEDURE REVIEW
REF: EVA 2 BRIEFING CARD
(EVA, TIMELINES)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

EVA SYS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE
REF: PRE EVA 2 TOOL CONFIG
(EVA, TIMELINES)
REF: 123 CONSUMABLES TRACKING CC (EVA)
REF: MSG 013

STS-123 (FD05)


GMT
Date 03/15 (075)
W
TDRSE
Z
DORB
ORB
MET
Day 004
STS ATI
BIAS -XLV -ZVV
CDR GORIE
PLT JOHNSON
MS3 DOI
MCC
NOTES
04:00
05:00
06:00
07:00
08:00
11:00
12:00
13:00
14:00
9 67
10 68
11 69
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
SLEEP

STS-123 (FD05)

GMT Date 03/15 (075) | W | TDRSE | Z | DORB | ORB | MET Day 004 | STS ATI

MS1 BEHNKEN | MS2 FOREMAN | MS4 LINNEHAN | NOTES

04:00 05:00 06:00 07:00 08:00 11:00 12:00 13:00 14:00

DORB: 9 10 11 | ORB: 67 68 69

BIAS -XLV -ZVV

MS1 BEHNKEN

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

MS2 FOREMAN

EVA SYS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE

REF: PRE EVA 2 TOOL CONFIG (EVA, TIMELINES)

REF: 123 CONSUMABLES TRACKING CC (EVA)

REF: MSG 013

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

MS4 LINNEHAN

EVA SYS: 2.305 10.2 PSIA CAMPOUT MASK PREBREATHE

REF: PRE EVA 2 TOOL CONFIG (EVA, TIMELINES)

REF: 123 CONSUMABLES TRACKING CC (EVA)

REF: MSG 013

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

SLEEP

MSG 034A - FD05 MISSION SUMMARY

Good Morning Endeavour!
Spectacular job on EVA1 yesterday. With Garrett's new notoriety as "Pooh Bear", we want to know which other characters from *Pooh Corner* (our new pet name for STS-123) the rest of the crew are named after. Your choices are *Piglet*, *Eeyore*, *Tigger*, *Owl*, *Kanga*, *Roo* and *Rabbit*. 8 characters and 8 crew -- coincidence? We think not.

YOUR CURRENT ORBIT IS: 186 X 180 NM

NOTAMS:

EDW – LAKEBED RUNWAYS RED.
NOR – LAKEBED RUNWAYS GREEN.
HAW – RWY 31 CLOSED. RWY 13 TODA 8,994'.
WAK – CLOSED. NOT USABLE.
IKF – NO AGREEMENT. NOT USABLE.
BEN – POLITICALLY NOT RECOMMENDED/NOT SUPPORTED.
ZZA – FIRST 600M (~2,000') OF RWY 30L NOT AVAILABLE. 10,200' REMAINING.
GUA – RWY 06L BARRIER UP 1565' FROM THRESHOLD.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 64 – 03/23:38 (FEW150 SCT250 240/12P22)
KSC15 ORB 78 – 04/20:55 (SCT040 SCT250 220/12P19)

OMS TANK FAIL CAPABILITY:

L OMS FAIL: NO R OMS FAIL: NO

LEAKING OMS PRPLT BURN:

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

OMS QUANTITIES (%)

L OMS OX = 33.7 R OMS OX = 32.9
FU = 33.3 FU = 32.7

DELTA V AVAILABLE:

OMS	348 FPS
ARCS (TOTAL ABOVE QTY 1)	39 FPS
TOTAL IN THE AFT	387 FPS
ARCS (TOTAL ABOVE QTY 2)	72 FPS
FRCS (ABOVE QTY 1)	28 FPS
AFT QTY 1	81 %
AFT QTY 2	43 %

There are no FIWs today.

END OF PAGE 1 OF 1, MSG 034A

Good morning Takao and Bob!

Great work on Resupply yesterday and thanks for the calldown! We're all smiling down here.

For STS, the Transfer List Excel file, FD05_TransferList_STS123.xls, is located on the KFX machine in **C:\OCA-up\transfer**.

For ISS, the Transfer List Excel file, FD05_TransferList_STS123.xls, is located in **K:\OCA-up\transfer**.

FD05 Choreography

- Items 41 - 41.3 (Dom): Pack ziplock with items 41.1 - 41.3 and transfer to ISS during CSI XFER.
- Item 712 (Doi-san & Peggy): Transfer GSC to STS for return after JLP INGRESS.
- Item 701 (Doi-san & Peggy): Pack CDM in CDMK after JLP INGRESS and transfer to STS for return.

Crewmembers Scheduled for Generic Xfer Ops

- Dom – 0:55 min
- Box – 2:15 min
- Bob – 0:40 min

Please update the Transfer List as follows:

No changes for today.

Please call us with questions.
- The Transfer Team

Contents:

US Timeline Procedures:

JLP-VEST-OUTFIT 1
JLP-MKAM-SETUP 2
JLP-VEST-OUTFIT 2
JLP-INGRESS
JLP-PPRV-CAP-INST
JLP-NPRV ELPS-CKOUT
P/TV-EVA DCS-TRNARND
JLP-RACK-DOOR LL RMV
JLP-PFE PBA-S/U
ORBTR-RSU-PREP
NLP-CSI-RESUPPLY-OPS
TVIS-CARD-FORMAT

US Tasklist Procedures:

HRF RACK ACOUSTIC MOVE
MELFI-VEL STRAP-RMV
MSG-BATTERY-REMOVE
EHS-CO2-SDTO MON
NOD2SD2-BBA-R&R
TRQ-FSS-JMPR-QD

US Timeline Procedures:

JLP-VEST-OUTFIT 1						
1.102 VESTIBULE OUTFITTING NODE2 TO JLP - PART 1						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**ISS Deployed**	Towel	-	-	-	
2		Sharpie	-	-	-	
3		Mini Maglite	528-20084-5	-	-	
4	**NOD1O4_B1** 0.5 CTB: Office Supply Pantry - 3 (Duct Tape), S/N 1178, B/C 006627J	Gray Tape 1"	528-41798-5	-	-	
5	**NOD2 Deployed** Mesh Bag: VOK Tools	DRIVER HANDLE, 3/8" DRIVE	F50A	-	-	These tools were pregathered on GMT 70 by ISS crew.
6		5/32" HEX HEAD, 3/8" DRIVE	FA5E	-	-	
7		4" COMMON TIP SCREWDRIVER	UDS104	-	-	
8	**NOD1O4_A1** 0.5 CTB: STOWAGE GEAR, S/N 1039, B/C 003921J	VELCRO STRAPS	-	-	-	
9	**NOD2D2** 1.0 CTB: VOK, S/N 1260, B/C 010596J	NODE 2 to JLP PWR Jumper	1F46328			
10		Short Connector	80A81064-211			
11		12" x 12" Ziplock Bag	528-50000-5			
Type: Restow			IMS Plan: No			
12	**NOD2D5_D**	CBM Center Disk Cover	683-14575	-	-	
13	**NOD2D2**	IVA MLI Thermal Cover [Qty 2]	80A52165-101/111	-	-	
14	**Temp Stow for JLP-MKAM-SETUP 2**	Ziplock Bag “JLP to Node 2 protective caps”	528-50000-5	-	-	

JLP-MKAM-SETUP 2						
1.104 MKAM SETUP FOR JLP MONITORING						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**Temp Stowed during JLP-VEST-OUTFIT 1**	Ziplock Bag “JLP to Node 2 protective caps”	528-50000-5	-	-	To stow protective cap for JLP J7093 connector.
2	**LAB 1 Deployed**	Static Wrist Tether	WS-AM6-4MM	-	-	
3	**LAB1D3 OR Deployed**	DCS 760 Camera	SEZ33113001-302	ANY	ANY	
4	**Crew Pref**	Mini-Maglite	528-20084-5			If crew requires.

Type: Restow			IMS Plan: No			
5	**NOD2D2** 1.0 CTB: VOK, S/N 1260, B/C 010596J	Ziplock Bag"JLP to Node 2 protective caps"	-	-	-	
6		Protective Cap	660-024M25N	-	-	This is for JLP J7093 connector.

JLP-VEST-OUTFIT 2						
1.103 VESTIBULE OUTFITTING NODE2 TO JLP - PART 2						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1O4_C1** Ziplock Pantry	12" x 12" Ziplock Bag [QTY: 5]	528-50000-5	-	-	
2	**Crew Pref**	Sharpie	-	-	-	
3		Mini Maglite	528-20084-5	-	-	
4	**NOD2D2** 1.0 CTB: VOK, S/N 1260, B/C 010596J	IMV Jumper O-Ring [Qty: 2]	2-161S0604	-	-	
5		IMV Supply Jumper	683-13870-75	1	00088239J	
6		12" x 12" Ziplock Bag [QTY: 1]	528-50000-5			
7		12" x 12" Ziplock Bag [QTY: 4] Labeled as "CBM CPA Removal Bag"	-	-	-	Each of the four Ziplock bags contains a set of the following items.
8		Protective Cap [QTY: 1]	NATC-RPC-N-15-0	-	-	
9		PROTECTIVE CAP [QTY: 1]	NATC-PPC-N-15-0	-	-	
10		Protective Cap [QTY: 2]	NATC-RPC-N-11-0	-	-	
11		PROTECTIVE CAP [Qty: 2]	NATC-PPC-N-11-0	-	-	
12		Protective Cap [QTY: 6]	NATC-RPC-N-13-0	-	-	
13		PROTECTIVE CAP [QTY: 6]	NATC-PPC-N-13-0	-	-	
14		Dessicant Bag [QTY: 1]	SDG39125390-303	-	-	
15		24" x 24" Ziplock Bag [Qty: 1]	528-50000-8	-	-	
16	**NOD2D2**	RADIAL PORT CLOSEOUT	683-60461-8	-	-	
17	**NOD2 Deployed** Mesh Bag: VOK Tools	1/2" DEEP SOCKET, 3/8" DRIVE	SF161	-	-	These tools were pregathered on GMT 70 by ISS crew.
18		7/16" DEEP SOCKET, 1/4" DRIVE	STMD14	-	-	
19		RATCHET, 3/8" DRIVE	F830	-	-	
20		RATCHET, 1/4" DRIVE	T936	-	-	
21		(40-200 in-lbs) Trq Wrench, 3/8" Drive	SEG33117289-302	-	-	
22		(10-50 in-lbs) Trq Wrench, 1/4" Drive	SEG33112395-301	-	-	
23		Braycote	601	-	-	
24	**NOD1O4_A1** 0.5 CTB: STOWAGE GEAR, S/N 1039, B/C 003921J	VELCRO STRAPS	-	-	-	

JLP-INGRESS						
1.109 JLP INGRESS AND NODE 2/JLP IMV ESTABLISHMENT						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**LAB1D4_A1** Crew Contamination Protection Kit, S/N 1002, B/C CHCCPK02J	Safety Goggles [Qty 2]	503R	-	-	**FOR ISS CREW ONLY**
2	**Shuttle MA9N** Crew Contamination Kit (CCK)	Safety Goggles [Qty 1 for Linnehan]	503R	-	-	**FOR STS CREW ONLY**
3		Surgical Masks [Qty 4]	8210	-	-	Use new mask. Shuttle crew will gather all surgical masks (Qty 4). **DO NOT** use masks from CCPK
4	**CREW PREF**	Safety Goggles [Qty 1 for Doi]	-	-	-	
5		Earplugs [Qty 2]	28-00-05	-	-	**FOR STS CREW ONLY**
6	**LAB1D4_C1** S-30 TRAY	GSC	SDD46108778-301	1070	00011053J	
7	**LAB1S3 Deployed**	CDM	SEG46117194-302	1013	-	
8	**LAB1O5_F2** 0.5 CTB: Sound Measurement Kit S/N 1007	Decidamp earplugs [Qty 2]	SEG46117232-301	-	-	**FOR ISS CREW ONLY** STS crewmembers will gather their own personal earplugs.
9	**SM 208 Deployed**	CSA-CP	SED46115801-304	1044	00054268J	
10	**LAB1D4_A2**	CDMK	SEG46117195-302	1008	-	Not needed for ingress, reference transfer item # TBD.
Type: Restow			IMS Plan: No			
11	**Reference Transfer item # TBD**	GSC	SDD46108778-301	-	-	
12	**Reference Transfer item # TBD**	CDMK	SEG46117195-302	1008	-	
13		CDM	SEG46117194-302	1013	-	

JLP-PPRV-CAP-INST						
1.110 JLP PPRV CAP INSTALLATION						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD2D2** 1.0 CTB: VOK, S/N 1260, B/C 010596J	PPRV Cap	PPRV-1-915	-	PPRVC003N	
2	**LAB1D3** **OR** **Deployed**	DCS 760 Camera	SEZ33113001-302	ANY	ANY	

JLP-NPRV ELPS-CKOUT						
1.111 JLP NPRV AND ELPS CHECKOUT						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD2 Deployed** Mesh Bag: VOK Tools	5/32" Hex Head, 1/4" Drive	TMA5E	-	-	These tools were pregathered on **GMT 70** by ISS crew.
2		Ratchet, 1/4" Drive	TM830	-	-	
3		(10-50 in-lbs) Trq Wrench, 1/4" Drive	SEG33112395-301	-	-	
4		Inspection Mirror	1016T2	-	-	

P/TV-EVA DCS-TRNARND						
15-1303A 2.725 760 EVA CAMERA TURNAROUND - CAMERA ONLY						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**ISS Deployed** or **LAB1D3**	PCMCIA 1GB Microdrive	SEZ33112992-301	-	-	**REPORT** S/N to MCC-H.
2		1GB EVA Flash Card [QTY: 2]	SEZ33118356-301	-	-	**REPORT** S/N to MCC-H.
3		Lens Cloth Kit	SED33102528-330	-	-	
4	**ISS DEPLOYED** or **A/L D2_Behind Closeout** 1.0 CTB: EVA CAMERA ASSESSORIES s/n 1221, b/c 006717J	Tie Wrap [QTY: 4]	SDD13101649-302	-	-	AKA Zip Ties. **REPORT** to MCC-H the total number used for inventory management.

JLP-RACK-DOOR LL RMV						
2.107 EPS1(EPS2, DMS1, DMS2) RACK STOWAGE TRAY DOOR LAUNCH LOCK REMOVAL						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1O4_C1** Ziplock Pantry	12”x12” Ziplock Bag	528-50000-5	-	-	**LABEL** “EPS, DMS Launch Lock Bolts”
2	**NOD1P2**	2.0 CTB “JEM Launch Support Equipment Bag”	SEG33111839-303	Crew Pref	Crew Pref	**REPORT** S/N to SSIPC **LABEL** “JEM Launch Support Equipment Bag”
3	**ISS Deployed**	Sharpie	-	-	-	
4	**NOD2 Deployed** Mesh Bag: VOK Tools	Ratchet, 3/8" Drive	F830	-	-	This tool was pregathered by ISS crew.
5	**NOD1D4_G2** Drawer 2, IVA Toolbox	9/64" Hex Head, 3/8" Drive	FA4.5E	-	-	
Type: Restow			IMS Plan: No			
6	**NOD2 Deployed** 2.0 CTB: JEM Launch Support Equipment Bag	Ziplock Bag ”EPS, DMS Launch Lock Bolts”	-	-	-	This bag was created per item #2.
7		Launch Lock non-captive bolts [Qty 2] of EPS1 Rack doors	-	-	-	Stowed in Ziplock Bag “EPS, DMS Launch Lock Bolts”.

JLP-PFE PBA-S/U						
1.114 JLP EMERGENCY EQUIPMENT ON-ORBIT PREPARATION AND INSPECTION						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**COL1_PORT ENDCONE**	PBA Oxygen Reducer/Cylinder Assembly	SEG33105010-301	1023	00044544J	
2		Quick Don Mask Assembly	SEG33105020-301	1020	00030242J	
3	**NOD2 Deployed** Mesh Bag: VOK Tools	Sharpie	-	-	-	
4		Gray Tape 1"	528-41798-5	-	-	
5		1/8" Hex Head, 1/4" Drive	TMA4E	-	-	
6		Ratchet, 1/4" Drive	T936	-	-	
7		DCS 760 Camera	SEZ33113001-302	ANY	ANY	
8	**NOD1O4_C1** Ziplock Pantry	6”x6” Ziplock Bag	528-50000-2	-	-	
Type: Restow			IMS Plan: No			
9	**NOD2 Deployed** 2.0 CTB: JEM Launch Support Equipment Bag	6”x6” Ziplock Bag	528-50000-2	-	-	Ziplock Bag Titled JLP PFE Launch Restraint
10		PFE neck launch restraint bracket				
11		PFE nozzle launch restraint bracket				
12	**NOD1P2**	PFE	683-60489-1	020	JPFE0002N	

ORBTR-RSU-PREP						
16-0778 IWIS RSU and Power Cable Installation/Removal						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**Airlock**	IWIS Remote Sensor Unit (RSU) Assembly	SEG16102889-302	1029		
2		WIS Antenna	0060-04-005	-	-	
3		IWIS Power Cable	528-21376-1	1005		
4		A31p 120V DC Power Supply	SEG33116412-303	1341		
5	**NOD1S4_A1** 1.0 CTB: Laptop Cables, S/N 1052, B/C 002937J	US DC Power Cable, 10ft	SEZ39129260-309	6026	POC10637J	

NLP-CSI-RESUPPLY-OPS						
2.016 CGBA SCIENCE INSERT-02 RESUPPLY OPERATIONS						
Type: Standard			IMS Plan: No			
#	LOCATION	ITEM NAME	P/N	S/N	B/C	Notes
1	**LAB1P2_B2 Temporary Stowed (**near CGBA-5)	Ziplock (12 X12)	-	-	-	
2		Silicate Garden Hab	CSI-A305	2	00084971M	
3		Seed Retainer	CSI2-A407-2	-	00093283M	
4		Compact Flash Card [2], (labeled CF Card)	CSI-A105	3,4	00093297M, 00093296M	
5		Petri Dish	CS12-A411-2	1	00093292M	
6	**LAB1P2_J1**	Plant Hab Bag	CSI-A410	-	00074221M	
7		Support Plate	CSI-A414	-	-	
Type: Restow			IMS Plan: No			
8	**LAB1P2_J1**	Silicate Garden Hab	CSI-A305	2	00084971M	
9		Silicate Garden Hab	CSI-A305	-	00074218M	
10	**LAB1P2_B2**	Compact Flash Card [2] (labeled CF Card)	CSI-A105	3,4	00093297M, 00093296M	
11		Plant Hab Bag	CSI-A410	-	00074221M	
12		Seed Retainer	CSI2-A407-2	-	00093283M	
13	**NOD1P1**	Ziplock (12 X12)	-	-	-	
14	Мешок из-под КБО S/N 29, B/C 00037243R	Petri Dish ,used [2]	CSI-A411	-	-	**TRASH**

TVIS-CARD-FORMAT						
16-0504 2.4.325 TVIS - PCMCIA CARD FORMATTING ON MEC						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
3	**LAB1O6 rack front** 1.0 CTB, S/N 1104	TVIS PCMCIA Card [Qty 2]	KLST410202-603	1033, 1034	-	Use 1033 as prime card, 1034 as backup.
Type: Restow			IMS Plan: No			
4	**Crew Preference**	TVIS PCMCIA Card [Qty 2]	KLST410202-603	1033, 1034	-	Use 1033 as prime card, 1034 as backup.

US Tasklist Procedures:

HRF RACK ACOUSTIC MOVE						
2.026 HRF Rack Acoustic Closeout Placement and Drawer Modifications						
Type: Standard			**IMS Plan: No**			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**Crew Preference**	Cable Tie [6]	-	-	-	
2	**LAB1P4_J2**	HRF ISIS Holder	SDG46118532-301	-	-	
3	**LAB1S2_C2**	HRF CSD Holder	SDG46118533-301	-	-	
4	**LAB1S2_K1**	HRF Rack Acoustic Closeout	SEG46118506-301	-	-	
5		HRF Workstation 2 Closeout	SEG46118506-303	-	-	

MELFI-VEL STRAP-RMV						
4.008 MELFI REMOVAL OF VELCRO STRAPS FROM DEWARS						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**Crew Preference**	12 X 12 ziplock bag	-	-	-	
2	**LAB1O4_B1**	WHITE GLOVES	03291-1	any	any	
Type: Restow			IMS Plan: No			
3	**Dry Trash**	**Velcro straps**	-	-	-	

MSG-BATTERY-REMOVE						
4.036 MSG VIDEO RECORDER BATTERY REMOVAL						
Type: Standard			**IMS Plan: No**			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1O4_C1**	6x6 Ziplock Bag [6]	-	-	-	
2	Ziplock Pantry (a.k.a. Large Ziplock)	12x12 Ziplock Bag	-	-	-	
3	**COL1O4_C1**	MSG 8MM VIDEO RECORDER	7009.80.AE	01-474	00MSG003M	
4	1.0 CTB Labeled MSG HARDWARE 2 S/N 1317 B/C 010653J	MSG DIGITAL VIDEO RECORDER	7009.80.AD	01-472	00MSG004M	

Type: Restow			IMS Plan: No			
5	**COL1O4_A1** 1.0 CTB MSG Hardware S/N 1323 B/C 010659J	12x12 Ziplock Bag Labeled " VaLi Batteries Return to MSFC"	-	-	-	
6		VaLi Batteries (6 Used)	-	-	-	

EHS-CO2-SDTO MON						
16-0876 CARBON DIOXIDE MAPPING AND PERSONAL MONITORING						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**LAB1S3**	CDM	SEG46117194-302	1013	-	
2	**LAB1D4_A2**	CDMK	WLSD210121-301	1008	00057887J	
3		Belt Pouch Assembly	WLSD210122-301	-	-	
4		CDMK Nomex Belt	WLSD210121-301	-	-	
5	**LAB1D4_C2**	CSA-CP Data Cable	KLSD210045-801	1002	-	Used to download data to MEC.

NOD2SD2-BBA-R&R						
1.2.403 BASEPLATE BALLAST ASSEMBLY R&R						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**LAB1O5_G**	Baseplate Ballast Assembly	219011	127	00035238K	
Type: Restow			IMS Plan: No			
2	**LAB1O5_G**	Baseplate Ballast Assembly	219011	73	00002617M	

TRQ-FSS-JMPR-QD						
16-1060 QD TIGHTENING OF FSS JUMPERS						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**LAB1O6** 1.0 CTB: FSS, S/N 1136, B/C 004130J	FSS-64-2 Jumper	683-17111-22	000001	00006441J	CWC M ADAPTER
2		FSS-68-1 Jumper	683-17111-13	000001	00006442J	JUMPER ADAPTER-3/4M
3		FSS-68-2 Jumper	683-17111-14	000001	00006415J	
4		FSS-69-1 Jumper	683-17111-15	000001	00006418J	JUMPER ADAPTER-3/4F
5		FSS-69-2 Jumper	683-17111-16	000001	00006443J	JUMPER ADAPTER-3/4F
6		FSS-77-1	683-17111-17	000001	00012275J	
7		FSS-77-2	683-17111-18	000001	00012274J	

16-1326 (MSG 029) JLP SHELL TEMPERATURE MEASUREMENT

OBJECTIVE:

Measure temperature distribution on the JLP primary structure with the Multimeter and Scopemeter Temperature Probe. This measurement requires DMS1, WS and ICS racks rotated.

NOTE
This procedure supersedes any instructions printed on the Digital Multimeter Kit.

LOCATION:

JLP1P2 (DMS1 rack)
JLP1P1 (ICS rack)
JLP1A1 (WS rack)

DURATION:

1 hour 15 minutes

- 10 minutes for Multimeter Setup (Step 1)
- 20 minutes for Temperature Measurement for JLP1P2 area (Steps 2 to 4)
- 20 minutes for Temperature Measurement for JLP1A1 area (Steps 5 to 6)
- 15 minutes for Temperature Measurement for JLP1P1 area (Steps 7 to 9)
- 10 minutes for Closeout (Step 10)

CREW:

One

MATERIALS:

9V Alkaline Battery (if Battery changeout required)
Sharpie

TOOLS:

DCS 760 Camera
Scopemeter Temperature Probe Kit: P/N SEG39130249-301
  Scopemeter Temperature Probe P/N SEG39130243-301
Digital Multimeter Kit: P/N 10118-10018-04
  Multimeter
ISS IVA Toolbox:
Drawer 3:
  #0 Phillips Screwdriver (if Battery changeout required)
Drawer 5:
  Tape Measure

1. SETUP

Acceptable Telatemp Decal

Telatemp Decal after exposure to 120F

Figure 1.- Telatemp Temperature Recorder Decal Before, After Exposure to 120F.

Multimeter 1.1 Locate Telatemp decal on Scopemeter Temperature Probe.
If decal indicates exposure to 120 degree F (49 degree C) or more, notify **MCC-H**.
Refer to Figure 1.

1.2 √Scopemeter Temperature Probe – OFF

NOTE
1. Plug marked by red dot on Scopemeter Temperature Probe must be inserted in VΩ jack (red) on Multimeter.
2. Scopemeter Temperature Probe slide switch will face toward Multimeter Rotary Switch.

Scopemeter Temperature Probe

Rotary Switch

Figure 2.- Scopemeter Temperature Probe Connected to Multimeter.

1.3 Scopemeter Temperature Probe V plug (red dot) →|← VΩ jack (right side, red)
COM plug →|← COM jack
Refer to Figure 2.

Multimeter 1.4 Rotary Switch ↷ $\overline{\overline{mV}}$

1.5 Verify voltage reading > 100 mV DC (good Scopemeter Temperature Probe Battery indication).

If voltage reading < 100 mV DC, Scopemeter Temperature Probe Battery must be replaced.
9V Battery replaced by removing noncaptive screw on back of probe (#0 Phillips Screwdriver).

1.6 Scopemeter Temperature Probe → °C

2. ROTATING DMS1 RACK DOWN

JLP1P2 2.1 Remove Rack Upper Beta Cloth Closeout from Standoff, Velcro. Temporarily stow.

2.2 Partially remove Rack UIP Closeout from Standoff, Snap fasteners (two), Velcro.

2.3 ✓ Rack rotation path unobstructed

Figure 3. - K-BAR Assembly (Rack Upper Left).

2.4 Disengage Rack K-BAR Thumb Latches (two) from Standoff.
Slowly rotate Rack down to a controlled stop.
Temporarily restrain as required.
Refer to Figure 3.

3. SETUP TEMPERATURE MEASUREMENT

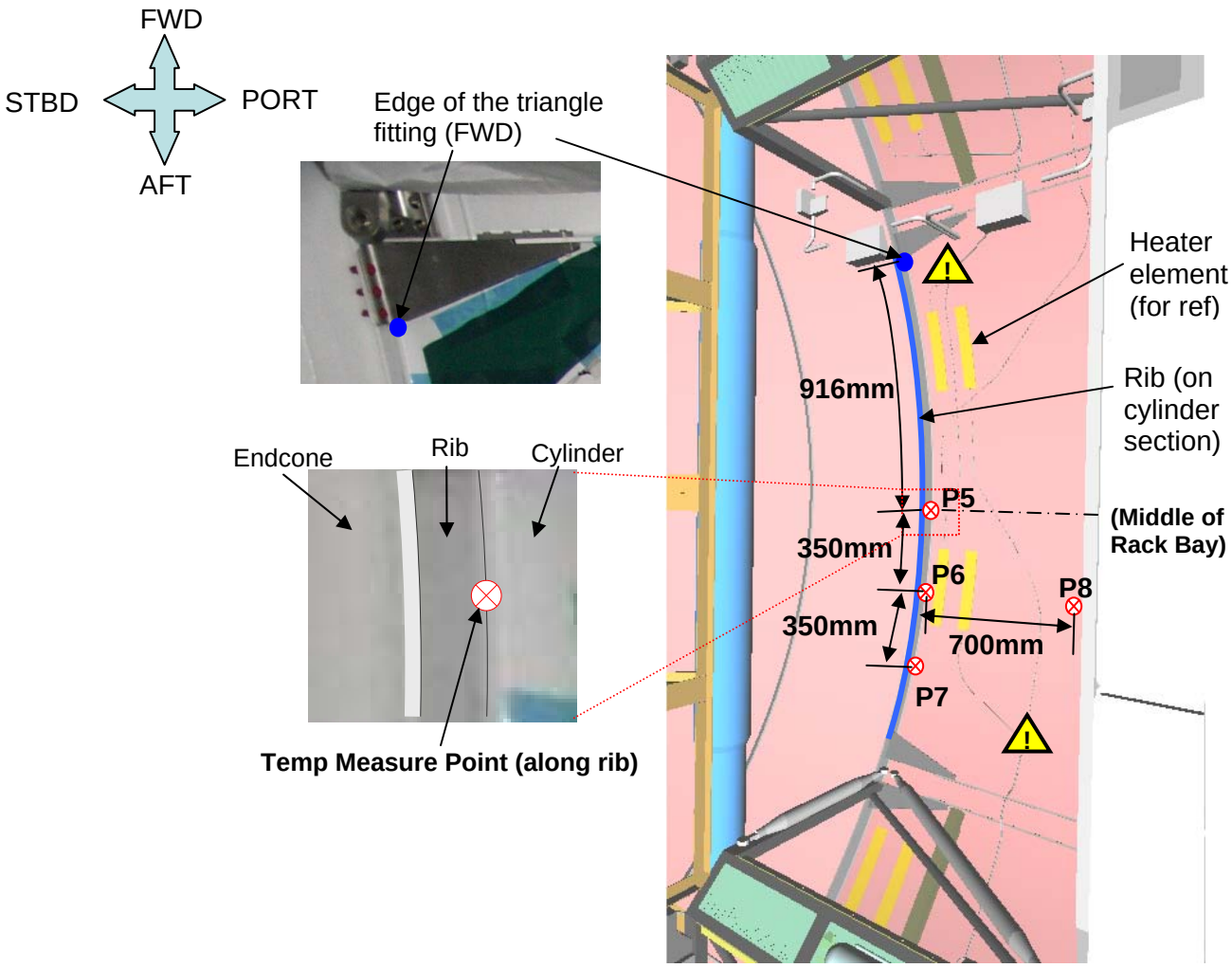


Figure 4.- Measurement points behind DMS1 Rack (Ovhd/Port).
(JLP1P2 – DMS1 Rack shown removed)

CAUTION
Care must be taken not to damage thin harnesses routed on JLP structure.

NOTE

1. Temperature Measurement Points (P5, P6 and P7) are on the cylinder surface, just adjacent to the rib.
2. Temperature Measurement Point (P8) is on the cylinder surface.
3. Redundant Heater elements are not shown in Figure 4.

3.1 Starting with P5 located in the middle of the rack bay, label P5, P6, P7, and P8 (Tape Measure, Sharpie).
Refer to Figure 4.

CAUTION
Do not apply more than 15 pounds force to tip of Scopemeter Temperature Probe. Excessive force could damage the temperature transducer in the tip.

3.2 Place tip of Scopemeter Temperature Probe on point to be measured.
Refer to Figure 4.

NOTE
Scopemeter Temperature Probe outputs 1 mV per temperature unit measured. Example: 25.0 mV = 25 deg C

3.3 Wait for reading to stabilize.

3.4 Record GMT and Temperature in separate record sheet.

3.5 Repeat step 3.2 to 3.4 for P6, P7 and P8.

3.6 Photo document to get a view of all measurement points (four) (DCS 760 Camera).

4. ROTATING DMS1 RACK UP

4.1 ✓ Rack rotation path unobstructed

4.2 Rack K-BAR Thumb Latches (two) → up position
Slowly rotate Rack up.
Engage Rack K-BAR Thumb Latches (two) into Standoff Capture Mechanisms.

4.3 Attach Rack Upper Beta Cloth Closeout, Velcro.

4.4 Attach Rack UIP Closeout to Standoff, hand tighten Snap fasteners (two), Velcro.

5. ROTATING WS RACK DOWN

JLP1A1 Repeat step 2 for WS Rack.

6. SETUP TEMPERATURE MEASUREMENT

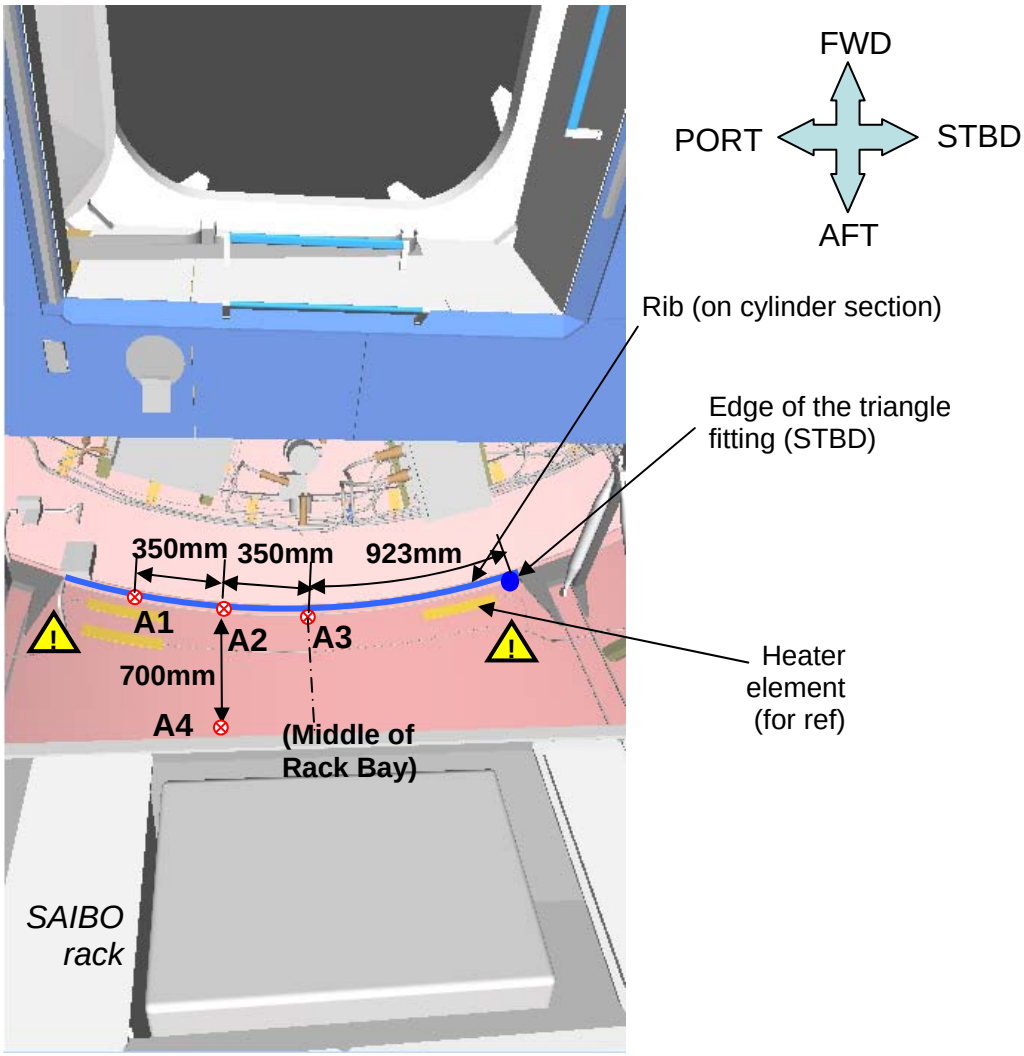


Figure 5.- Measurement points behind WS Rack (Deck/Aft).
(JLP1A1 – WS Rack shown removed)

CAUTION
Care must be taken not to damage thin harnesses routed on JLP structure.

NOTE

1. Temperature Measurement Points (A1, A2 and A3) are on the cylinder surface, just adjacent to the rib.

2. Temperature Measurement Point (A4) is on the cylinder surface.

3. Redundant Heater elements are not shown in Figure 5.

6.1 Partially remove FDS partition.
Starting with A3 located in the middle of the rack bay, label A3, A2, A1, and A4 (Tape Measure, Sharpie).
Refer to Figure 5.

CAUTION

Do not apply more than 15 pounds force to tip of Scopemeter Temperature Probe. Excessive force could damage the temperature transducer in the tip.

6.2 Place tip of Scopemeter Temperature Probe on point to be measured.
Refer to Figure 5.

NOTE

Scopemeter Temperature Probe outputs 1 mV per temperature unit measured.
Example: 25.0 mV = 25 deg C

6.3 Wait for reading to stabilize.

6.4 Record GMT and Temperature in separate record sheet.

6.5 Repeat step 6.2 to 6.4 for A1, A2 and A4.

6.6 Photo document to get a view of all measurement points (four) (DCS 760 Camera).

6.7 Attach FDS partition.

7. ROTATING WS RACK UP

Repeat step 4 for WS Rack.

8. ROTATING ICS RACK DOWN

JLP1P1 8.1 ✓ Rack rotation path unobstructed

8.2 Disengage Rack K-BAR Thumb Latches (two) from Standoff.
Slowly rotate Rack down to a controlled stop.
Temporarily restrain as required.
Refer to Figure 3.

9. SETUP TEMPERATURE MEASUREMENT

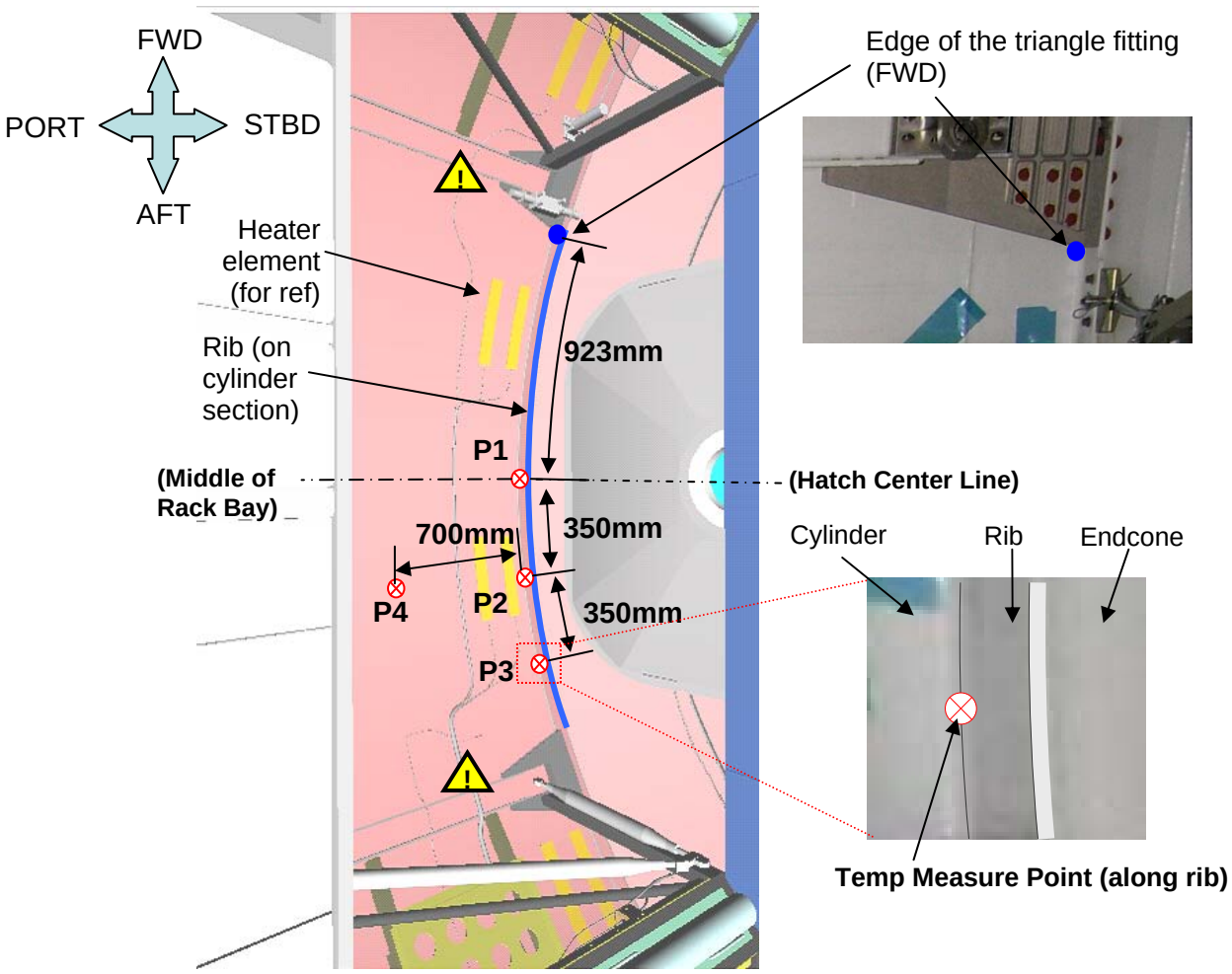


Figure 6.- Measurement points behind ICS Rack (Deck/Port).
(JLP1P1 – ICS Rack shown removed)

CAUTION
Care must be taken not to damage thin harnesses routed on JLP structure.

NOTE

1. Temperature Measurement Points (P1, P2 and P3) are on the cylinder surface, just adjacent to the rib.

2. Temperature Measurement Point (P4) is on the cylinder surface.

3. Redundant Heater elements are not shown in Figure 6.

9.1 Starting with P1 located in the middle of the rack bay, label P1, P2, P3, and P4 (Tape Measure, Sharpie).
Refer to Figure 6.

CAUTION

Do not apply more than 15 pounds force to tip of Scopemeter Temperature Probe. Excessive force could damage the temperature transducer in the tip.

9.2 Place tip of Scopemeter Temperature Probe on point to be measured.
Refer to Figure 6.

NOTE

Scopemeter Temperature Probe outputs 1 mV per temperature unit measured.
Example: 25.0 mV = 25 deg C

9.3 Wait for reading to stabilize.

9.4 Record GMT and Temperature in separate record sheet.

9.5 Repeat step 9.2 to 9.4 for P2, P3 and P4.

9.6 Photo document to get a view of all measurement points (four) (DCS 760 Camera).

10. ROTATING ICS RACK UP

10.1 ✓ Rack rotation path unobstructed

10.2 Rack K-BAR Thumb Latches (two) → up position
Slowly rotate Rack up.
Engage Rack K-BAR Thumb Latches (two) into Standoff Capture Mechanisms.

11. POST MAINTENANCE

Multimeter 11.1 Rotary Switch ↶ OFF

11.2 Scopemeter Temperature Probe → OFF

11.3 Disconnect Multimeter, probe.
Stow tools, equipment.

Record Sheet for HLP shell temperature measurement on FD6

16-1325 (MSG 031) - JLP HCTL Heaters and Sensors Status

JLP HCTL Heaters and Sensors Staus by MKAM {2.102 JLP HCTL STATUS AND SHELL TEMP PERIODIC MONITOR - MKAM}

GMT:

[A] Sw No.	[B] Record Status	[C] Sensor No.	[D] Record for Temperature	Reference	
				Target of Controled Temp(deg C)	Location
SW 1		Sensor 1		25.0 to 29.0	Stbd Deck Cone
SW 2		Sensor 2		25.0 to 29.0	Port Deck Cone
SW 3		Sensor 3		25.0 to 29.0	Fwd Cylinder
SW 4		Sensor 4		25.0 to 29.0	Port Cylinder
SW 5		Sensor 5		25.0 to 29.0	Aft Cylinder
SW 6		Sensor 6		25.0 to 29.0	Ovhd Cone 3
SW 7		Sensor 7		25.0 to 29.0	Stbd Cylinder
SW 8		Sensor 8		25.0 to 29.0	Ovhd Cone 1
SW 9		Sensor 9		25.0 to 29.0	Ovhd Cone 2
SW 10		Sensor 10		25.0 to 29.0	Ovhd Cone 4
SW 11		Sensor 11		-19.0 to -14.0	JLP EFU
N/A	N/A	Sensor 12		N/A	Nadir Endplate Fwd
N/A	N/A	Sensor 13		N/A	Nadir Endplate Aft
N/A	N/A	Sensor 14		N/A	Ovhd Endplate Stbd
N/A	N/A	Sensor 15		N/A	Ovhd Ring Stbd
N/A	N/A	Sensor 16		N/A	Ovhd Ring Port
N/A	N/A	Sensor 17		N/A	Ovhd Ring Fwd
N/A	N/A	Sensor 18		N/A	Nadir Cylinder Stbd
N/A	N/A	Sensor 19		N/A	Nadir Cylinder Port
N/A	N/A	Sensor 20		N/A	Nadir Cylinder Fwd

Record Sheet for HLP shell temperature measurement on FD6

JLP Shell Temperature measured by Multimeter {JLP SHELL TEMPERATURE MEASUREMENT}

Measured Points	GMT	Record for Temperature
P1		
P2		
P3		
P4		
P5		
P6		
P7		
P8		
A1		
A2		
A3		
A4		

Record Sheet for HLP shell temperature measurement on FD6

JLP HCTL Heaters and Sensors Staus by MKAM {2.102 JLP HCTL STATUS AND SHELL TEMP PERIODIC MONITOR - MKAM}
GMT:

[A] Sw No.	[B] Record Status	[C] Sensor No.	[D] Record for Temperature	Reference	
				Target of Controled Temp(deg C)	Location
SW 1		Sensor 1		25.0 to 29.0	Stbd Deck Cone
SW 2		Sensor 2		25.0 to 29.0	Port Deck Cone
SW 3		Sensor 3		25.0 to 29.0	Fwd Cylinder
SW 4		Sensor 4		25.0 to 29.0	Port Cylinder
SW 5		Sensor 5		25.0 to 29.0	Aft Cylinder
SW 6		Sensor 6		25.0 to 29.0	Ovhd Cone 3
SW 7		Sensor 7		25.0 to 29.0	Stbd Cylinder
SW 8		Sensor 8		25.0 to 29.0	Ovhd Cone 1
SW 9		Sensor 9		25.0 to 29.0	Ovhd Cone 2
SW 10		Sensor 10		25.0 to 29.0	Ovhd Cone 4
SW 11		Sensor 11		-19.0 to -14.0	JLP EFU
N/A	N/A	Sensor 12		N/A	Nadir Endplate Fwd
N/A	N/A	Sensor 13		N/A	Nadir Endplate Aft
N/A	N/A	Sensor 14		N/A	Ovhd Endplate Stbd
N/A	N/A	Sensor 15		N/A	Ovhd Ring Stbd
N/A	N/A	Sensor 16		N/A	Ovhd Ring Port
N/A	N/A	Sensor 17		N/A	Ovhd Ring Fwd
N/A	N/A	Sensor 18		N/A	Nadir Cylinder Stbd
N/A	N/A	Sensor 19		N/A	Nadir Cylinder Port
N/A	N/A	Sensor 20		N/A	Nadir Cylinder Fwd

JLP SHELL TEMP MEASUREMENT: We have added JLP-HCTL-HTR/TMP CK and JLP-SHELL TEMP-CK on FD6 (076/06:13) to measure JLP shell temperature using both the Shuttle Multimeter and MKAM. The JLP shell temperature needs to be measured to support engineering evaluation of the JLP thermal math model in case the trunnion covers are not installed until flight 1J.

We have uplinked the procedure for your review in IPV {Uplinked Procedures; JAXA SODF: IFM: 16-1326 (MSG 029) JLP Shell Temperature Measurement}. This procedure will have you take temperature measurements with the temperature probe and multimeter at various points along the structure behind three racks in the JLP. JLP shell temperature check using the MKAM will be performed before and after this procedure using {US_SODF; Assembly Operations 1J/A: 2. 1J Prep; 2.102 JLP HCTL STATUS AND SHELL TEMP PERIODIC MONITOR – MKAM}

Since there are more than fifty values to be taken during this activity, we've provided a PDF sheet(16-1325/MSG 031) to print and a separate Excel sheet (on KFX PGSC desktop) to record the values.
You have three options to report the value to the ground;

- Option 1: Input data to the Excel sheet and save the Excel sheet in C:\OCA-down\Japan on the KFX PGSC for downlink.
- Option 2: Call-down.
- Option 3: Crew note on OSTPV

If possible, SSIPC would like to have the data by the end of FD6.
Let us know which option you prefer.

Great job on EVA1! One down, four to go.

1) Please Pen and Ink the following to the **FDF EVA Checklist, EMU SWAP FOR EVA 2, page FS 2-13**:

Prior to Step 1 add:
Verify helmet s/n 1073 is on EMU 3004 and helmet s/n 1069 is on EMU 3006.

2) We are planning a nominal EVA 2 timeline with the only exception is that we will be leaving the OTCM 2 sock installed for thermal reasons.

3) For our planning purposes for later in the mission, can you tell us which crewlock bag(s) may already have tape installed on the doors for the SARJ tasks?

4) Peggy,
We were wondering if you were able to perform the EVA ratchet wrench inspection per message 16-1315? Planning to put the ratchet back out during EVA 3. Just let us know, thanks.

5) Rick,
Based on your comments on the overgloves having tight thumbs during EVA 1, do you think using the old-style overgloves would be an improvement to your fit and comfort or rather a hindrance with the tasks you will be performing? The old-style overgloves are one-size-fits-all and have the larger thumbs. There are old-style overgloves that are on board that you can use.

6) Rick,
Again, based on your glove fit comments during the EVA, would you like the ground glove team to provide you with suggestions for moleskin or molsite placements to help with your hot spots?

7) Rick & Garrett,
Do you believe there is anything that can be done to the SCU routing in the crewlock that would prevent SCU entanglement on future EVAs? Would a different routing help with SCU install on the DCM for EV1?

Procedure 1.601 EVA3 Setup

1. Add the following to Step 2.2 after the line: Enter Mode - FOR OCAS (Verify blue)

MSS: SSRMS: SSRMS FOR OCAS: Joint Lock: Joint Lock
cmd Shoulder Roll (Verify SR - Locked)

Procedure 1.602 EVA 3 OTP/THA Install and ORU Transfers

1. Change table in Step 14.3
From

	Locked					
SR	SY	SP	EP	WP	WY	WR
-54.4	+6.4	-3.9	-159.5	+53.7	-47.8	-94.1
X	Y	Z	Pitch	Yaw	Roll	
-2106	+530	-1660	-92.5	-4.2	+90.8	
FOR	Chest 12/PP/F/6, SY Held					
Disp	ISS>OBAS					

To

	Locked					
SR	SY	SP	EP	WP	WY	WR
-50.8	+6.4	+12.7	-155.5	+34.6	-44.4	-92.5
X	Y	Z	Pitch	Yaw	Roll	
-2206	+530	-1660	-92.5	-4.2	+90.8	
FOR	Chest 12/PP/F/6, SY Held					
Disp	ISS>OBAS					

2. Change the following tables in Step 14.4

From

Input ‘Joint Angles’ ‘Destination’ for ESP2 Clearance position.

SR	SY	SP	EP	WP	WY	WR
+26.2	+2.9	-71.2	-60.9	-56.2	-1.4	+43.5

To

Input ‘Joint Angles’ ‘Destination’ for ESP2 Clearance position.

SR	SY	SP	EP	WP	WY	WR
+26.0	+2.9	-65.3	-61.4	-61.6	-1.4	+43.3

From

Verify joint angles and errors are correct on Joint Angle Position overlay (SCR 35757).

	SR	SY	SP	EP	WP	WY	WR
(current)	-54.4	+6.4	-3.9	-159.5	+53.7	-47.8	-94.1
TGT	**+26.2**	**+2.9**	**-71.2**	**-60.9**	**-56.2**	**-1.4**	**+43.5**
ERR	-80.6	+3.5	+67.3	-98.6	+109.9	-46.4	-137.6

To

Verify joint angles and errors are correct on Joint Angle Position overlay (SCR 35757).

	SR	SY	SP	EP	WP	WY	WR
(current)	-50.8	+6.4	+12.7	-155.5	+34.6	-44.4	-92.5
TGT	**+26.0**	**+2.9**	**-65.3**	**-61.4**	**-61.6**	**-1.4**	**+43.3**
ERR	-76.8	+3.5	+78.0	-94.1	+96.2	-43.0	-135.8

3. Change table in Step 14.4 (pg. 35)
From

SR	SY	SP	EP	WP	WY	WR
+26.2	+2.9	-71.2	-60.9	-56.2	-1.4	+43.5
X	Y	Z	Pitch	Yaw	Roll	
-1555	+1006	-2700	+122.0	-89.7*	-146.9	
FOR	Chest 12/PP/F/6, SY Held					
Disp	ISS>OBAS					

* - display singularity

To

SR	SY	SP	EP	WP	WY	WR
+26.0	**+2.9**	**-65.3**	**-61.4**	**-61.6**	**-1.4**	**+43.3**
X	Y	Z	Pitch	Yaw	Roll	
-1675	+1006	-2700	+122.0	-89.7*	-146.9	
FOR	Chest 12/PP/F/6, SY Held					
Disp	ISS>OBAS					

* - display singularity

OBJECTIVE:

Build and label four kits in preparation for 1J activities. The four kits are 1J Activation Kit, JPM/JLP VOK, JEMRMS Console Kit and BDS Kit.

LOCATION:

JLP Racks (JRSR, DMS1, EPS1)

NOD2D2

DURATION:

40 minutes per one Kit and one crew member.

1J Stow prep 1: 40 minutes with two crew members (1J Activation Kit, JPM/JLP VOK)

1J Stow prep 2: 40 minutes with one crew member (JEMRMS Console Kit)

1J Stow prep 3: 40 minutes with one crew member (BDS Kit)

CREW:

One or Two

PARTS:

Sharpie

Contents Label (6)

REFERENCED PROCEDURE(S):

3.103 JRSR REFERENCE

1. BUILDING 1J ACTIVATION KIT

JLP1P2 1.1 Open door and retrieve Equipment Bag Assy (P/N G11F5160-1) from TRAY-DMS1-5.

Table 1. 1J Activation Kit

No.	Stowed location	Name	P/N	Qty	Check column
1	JLP1P2_C1 TRAY-DMS1-5	1/2" QD Plug	683-16348-811	1	
2		1/2" QD Cap	683-16348-810	1	
3	JLP1P2_B2 TRAY-DMS1-4	PPRV Cap	PPRV-1-915	1	
4		Cabin Duct Maintenance Cap	80A52146-101	2	
5	JLP1S2_A2 TRAY-EPS1-2	Adjustable Length Tether	G11F5140-1	2	
6	JLP Deployed JEM BAG4	MHI K-BAR ECLSS/TCS2 Left	80A32700-111	1	
7		MHI K-BAR ECLSS/TCS2 Right	80A32700-112	1	
8		IHI/MHI Pivot Fitting Bottom, Left	683-20100-1	1	
9		IHI/MHI Pivot Fitting Bottom, Right	683-20100-2	1	
10	NOD2D2 1.0 CTB:MKAK S/N 1152	D-Cell Battery	528-41350-5	8	

JLP 1.2 Retrieve Items 1-5 in Table 1 from DMS1 and EPS1 rack trays and put into Equipment Bag Assy.

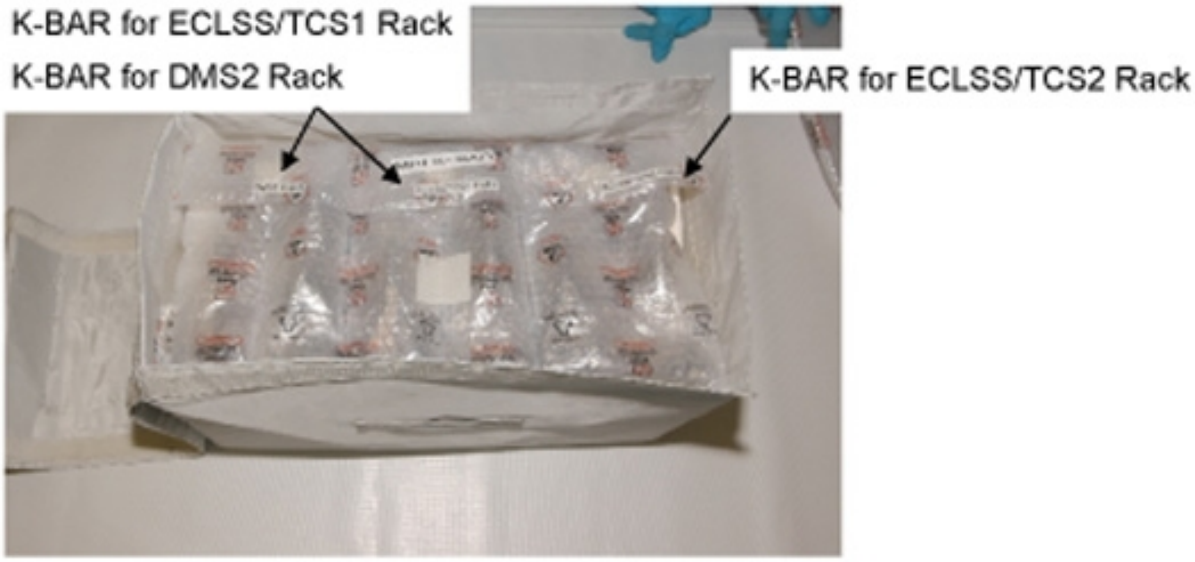


Figure 1. Wrapped K-BARs in JEM BAG4

1.3 Retrieve Wrapped K-BAR from JEM BAG4.

Put MHI K-BAR ECLSS/TCS2 Left and Right (Items 6 and 7) into Equipment Bag Assy.

Put IHI/MHI Pivot Fitting Bottom, Left and Right (Items 8 and 9) into Equipment Bag Assy.
Refer to Table 1.

NOD2D2 1.4 Retrieve Item 10 from 1.0 CTB labeled "MKAK", and put into Equipment Bag Assy.
Refer to Table 1.

1.5 Insert Contents Label "1J Activation Kit" for Equipment Assembly Bag into bag pocket.

NOD2 1.6 Stow 1J Activation Kit per the daily stowage note.

2. BUILDING JPM/JLP VOK

JLP 2.1 Consolidation Items of JEM BAG2 and JEM BAG4

NOTE
JEM BAG4 will be used as bag for JPM/JLP VOK.

Relocate IHI K-BAR RIGHT (two) from Foam labeled "IHI K-BAR RIGHT" to Foam labeled "IHI K-BAR LEFT" in JEM BAG2.

Label "IHI K-BAR RIGHT" on Foam labeled as "IHI K-BAR LEFT" (Sharpie).

Stage Foam labeled as "IHI K-BAR RIGHT" for disposal.

Relocate wrapped MHI K-BAR ECLSS/TCS1 Left and Right, MHI K-BAR DMS2 Left and Right from JEM BAG4 to JEM BAG2.

Stage all Foam from JEM BAG4 for disposal.

2.2 Replace Contents Label for JEM BAG2 with new label "JEM BAG 2".
Stow JEM BAG2 per the daily stowage note.

Table 2. Items List of JPM/JLP VOK

No.	Stowed location	Name	P/N	Qty	Check column
1	Temp Stowed in JLP Ziplock Bag "JPM/JLP VOK1 W3002, W3006, W3009"	JLP HCTL Power Jumper W3002	80A81064-111	1	
2		JLP Data Jumper W3006	80A81064-151	1	
3		JLP Data Jumper W3009	80A81064-181	1	
4	Temp Stowed in JLP Ziplock Bag "JPM/JLP VOK 2 W3003, W3004, W3005"	JLP Data Jumper W3003	80A81064-121	1	
5		JLP Data Jumper W3004	80A81064-131	1	
6		JLP Data Jumper W3005	80A81064-141	1	
7	Temp stowed in JLP Ziplock Bag "JPM/JLP VOK 3	JLP Power Jumper W3001	80A81064-101	1	
8		JLP 1553 Ch. A Jumper W3007	80A81064-161	1	

Continuation of Table ...

9	W3001, W3007, W3008, W3010"	JLP 1553 Ch. B Jumper W3008	80A8106 4-171	1	
10		JLP Data Jumper W3010	80A8106 4-191	1	
11	Temp Stowed in JLP	JPM/JLP Vestibul e Closeout	80AS56 704-101	1	

2.3 Retrieve JLP Data Jumper W3003, JLP Data Jumper W3004, JLP Data Jumper W3005 from Ziplock Bag labeled as "JPM/JLP VOK 2 W3003, W3004, W3005."

Correct labels (Sharpie):
from "Data" to "Power" on JLP Data Jumper W3003.

from "Data" to "Power" on JLP Data Jumper W3004.

from "Data" to "Data/Power" on JLP Data Jumper W3005.

Restow Jumpers (three) to Ziplock Bag labeled as "JPM/JLP VOK 2 W3003, W3004, W3005."

NOD2 2.4 Put all items from Table 2 into JEM BAG4.

2.5 Replace Contents Label for JEM BAG4 with new label “JEM BAG 4 JPM/JLP VOK”.

2.6 Stow JEM BAG4 per daily stowage note.

3. BUILDING JEMRMS CONSOLE KIT

JLP1S2 3.1 Retrieving TRAY-EPS1-4

NOTE
TRAY-EPS1-4 will be used for JEMRMS Console Kit.

Open door and remove TRAY-EPS1-4.

JLP1S1 3.2 Removing JRSR Front Panel

Remove JRSR Upper / Lower Front Panels.

Refer to {3.103 JRSR REFERENCE} (SODF: ASSY OPS: STOWAGE)

Temporarily stow.

3.3 Release Straps for CTB-J-M1 and CTB-J-T1.

Retrieve CTB-J-M1 and CTB-J-T1 from JRSR.

Table 3. Items List of JEMRMS Console Kit

No.	Stowed location	Name	P/N	Qty	Check column
1	JLP1S1_A1 M01 CTB: CTB-J-M1 S/N 1022	RLT Table	S8660A00	1	
2	JLP1S1_C1 3.0 CTB: CTB-J-T1 S/N 1016	A31p Laptop	SEG33115360-303	1	
3		1553 PC Card w/Adapter Cable Jumper 22in	SDG39129273-301	1	
4		A31p 120VDC Power Supply	SEG33116412-303	1	
5		Enhanced A31p 16V DC Power Cable	SEG33116459-301	1	
6		US DC Power and 1553 Cable	SEZ39129268-303	1	
7	NOD2D2 2.0 CTB:	BDS Cable10	166-526981	1	
8	CTB-J-D2 S/N 1008	JEMRMS Pwr/Data Cable	006472301G2	1	

3.4 Retrieve all Items from CTB-J-M1, CTB-J-T1, and CTB-J-D2 into TRAY-EPS1-4.

Refer to Table 3.

3.5 Replace Contents Label for TRAY-EPS1-4 with new label "JEMRMS Console Kit".

JLP1S2 3.6 Stow TRAY-EPS1-4 to EPS1 Rack.

4. BUILDING BDS KIT

JLP1S1 4.1 Release Straps for CTB-J-T2.

Retrieve CTB-J-T2 from JRSR.

Table 4. Items List of BDS Kit put into CTB-J-T1

No.	Stowed location	Name	P/N	Qty	Check column
1	JLP1S1_A1 M01 CTB: CTB-J-M1 S/N 1022	BDS Cable18	166-526989	1	
2	JLP1S1_C2 3.0 CTB: CTB-J-T2 S/N 1017	BDS Cable4	166-526974	1	
3		BDS Cable7	166-526978	1	
4		BDS Cable14	166-526985	1	
5	NOD2D2 2.0 CTB CTB-J-D2 S/N 1008	BDS Cable3	166-526973	1	
6		BDS Cable6	166-526977	1	
7	NOD2D2 JEM BAG9	BDS Cable9	166-526980	1	
8		BDS Cable11	166-526982	1	

4.2 Retrieve Items 1 to 4 from CTB-J-M1 and CTB-J-T2, and put into CTB-J-T1.

Refer to Table 4.

NOD2 4.3 Retrieve Items 5 to 8 from CTB-J-D2 and JEM BAG9, and put into CTB-J-T1.

Refer to Table 4.

4.4 Replace Contents Label for CTB-J-T1 with new label “CTB-J-T1 BDS Kit”.

Table 5. Items List of BDS Kit put into CTB-J-T2

No.	Stowed location	Name	P/N	Qty	Check column
1	NOD2D2 JEM BAG9	BDS Cable8	166-526979	1	
2		BDS Cable12	166-526983	1	
3		BDS Cable15	166-526986	1	
4		BUC Cable Cover	166-529742	1	
5		PDB-BU Cable Cover	166-529743	1	

4.5 Retrieve all items from JEM BAG9, and put into CTB-J-T2.

Refer to Table 5.

4.6 Stow empty JEM BAG9 into CTB-J-T2.

4.7 Replace Contents Label for CTB-J-T2 with new label “CTB-J-T2 BDS Kit”

JLP1S1 4.8 Stow CTB-J-M1, CTB-J-T1 and CTB-J-T2 to JRSR.

Secure CTBs by Straps of JRSR.

4.9 Install JRSR Upper/Lower Front Panels.

Refer to {3.103 JRSR REFERENCE} (SODF: ASSY OPS: STOWAGE).

NOD2D2 4.10 Stow CTB-J-D2 to NOD2D2.

5. CLOSEOUT

Notify **SSIPC** of task completion.