STS-123 / 1J / A

FD 02 Execute Package

MSG	Page(s)	Title
002A	1 - 14	FD02 Flight Plan Revision **(pdf)**
003A	15 - 17	FD02 Mission Summary **(pdf)**
004	18	FD02 Transfer Message **(pdf)**

Approved by FAO: *L. Hearon*

Last Updated: Mar 11 2008 7:50PM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
002	FD02 Flight Plan Revision
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1. LiOH Changeout Notes

For LiOH changeouts using STS-123 cans, remove the tape from the bottom of the new cans prior to performing the changeouts. This tape can then be applied to the bottom of the used cans.

Please handle canisters gently to preclude LiOH dust formation. The LiOH covers should be placed such that the handle and flight decal numbers are visible at the top, and the drawstring cinched.

When performing the FD2 post-sleep LiOH changeout, remove the blue LiOH canister covers from cans #3 and #4 and install on used cans #1 and #2. For the FD2 pre-sleep LiOH changeout, remove the blue cover from can #5 and install on used can #3.

After the LiOH changeouts, put the used cans with the installed covers in the LiOH box. If they do not fit with the covers on, temp stow and call MCC with location. These three used cans (#1, #2, and #3) will be transferred to ISS unless additional return middeck stowage can be found.

2. LRCS Jet Reconfig

The Left RCS manifold 2 jets and vernier jet L5L failed leak due to OSL fuel injector temps caused by a DSC OL1 card 1. L5L will not be reselected until an approved GMEM is performed to regain fail leak RM.

Please reconfigure the Left RCS manifold 2 jets as follows to put them in last priority with the jets available:

GNC 23 RCS

RCS L - ITEM 2 EXEC

JET DES L2U - ITEM 19 EXEC
L2D - ITEM 27 EXEC

DES INH L2L - ITEM 10 EXEC (twice)

Allow ~6 sec for L2L to FAIL LEAK again, then:
JET DES L2L - ITEM 11 EXEC

3. HAZMAT Updates

The MCC has remotely uplinked the latest HazMat data file to all networked PGSCs onboard. Please update RPOP (STS5) and WorldMap (STS4) with the latest HazMat data file by performing the following steps:

<u>From KFX (STS3)</u>

Copy Tox.haz	FROM:	C:\SPOCAPPS\HAZMAT\UPDATES
	TO:	PCMCIA Card

<u>To RPOP (STS5) and WorldMap (STS4)</u>

Copy Tox.haz	FROM:	PCMCIA Card
	TO:	C:\SPOCAPPS\HAZMAT\UPDATES

4. REPLACE PAGES 2-4 THROUGH 2-5 AND 3-8 THROUGH 3-17.

03/11/08 14:25:23 **REPLANNED**

GMT 03/11/08 (071) 19 20 21 22 23 03/12 01 02 03 04 05 06

MET β=9 Day 000 12 13 14 15 16 17 18 19 20 21 22 23 001/00

STS-123

FD02

Crew	Activity
R3 CDR GORIE	SLEEP; POST SLEEP; ICNCT^; POST SLEEP; NC2^ OMS BURN; MNVR S; OMS*; IMU; STBD WING SRVY; MNVR N; NOSE CAP SRVY; MEAL; MNVR P; PORT WING SRVY
R1 PLT JOHNSON	SLEEP; SLEEP; POST SLEEP*; OMS BURN; OBSS UNBERTH; STBD WING SRVY; FC PRG*; NOSE CAP SRVY; MEAL; PORT WING SRVY
MS1 BEHNKEN	SLEEP; SALOG; DRY; POST SLEEP; DRY; POST SLEEP; PGSC SETUP (PART II); POST SLEEP; EMU C/O PREP; EMU C/O; DRY; MEAL; EVA PREP FOR XFER; EXERCISE; DRY
MS2 FOREMAN	SLEEP; SALOG; DRY; POST SLEEP; DRY; POST SLEEP; ERG SETUP; EXERCISE; CRYO 02 SNSR CK; DRY; MEAL; FILTER CLEANING; WSB*; XFER PREP; GAP-A; DRY
R2 MS3 DOI	SLEEP; POST SLEEP; XFER UPDT; MCIU*; OBSS UNBERTH; STBD WING SRVY; NOSE CAP SRVY; MEAL; PORT WING SRVY
MS4 LINNEHAN	SLEEP; POST SLEEP; EMU C/O PREP; EMU C/O; MEAL; EVA PREP FOR XFER; XFER PREP
FE-2 EXP16 REISMAN	SLEEP; POST SLEEP; EMU C/O PREP; EMU C/O; MEAL; EVA PREP FOR XFER

STS

DAY/NIGHT

ORBIT 9 10 11 12 13 14 15 16 17

TDRS W -171 E -46 Z -275

ORB ATT -ZLV -XVV; NC2; BIAS +YSI; BIAS +XSI; BIAS -YSI

NOTES: *HUM SEP CHECK; ^ROMS to RCS; STBD MNVR *FILTER CK; *HTR RCNFG; NOSE MNVR *MANUAL; PORT MNVR *CNTLR SWAP

GMT 03/12/08 (072) 07 08 09 10 11 12 13 14 15 16 17 18

MET β=10 Day 001 001/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-123

FD02 R3 CDR GORIE	♣	INCT*	COMM	MNVR	LDRI DNLK			NC3^ RCS BURN	PRE SLEEP	INCT#	PMC OCA	PRLA	OVRLAY	PRE SLEEP									SLEEP
R1 PLT JOHNSON	⊕	OBSS BERTH				SSPTS^		PRE	SLEEP	RCS BURN	-ZLV	-XVV	FUT	INRTL	PRE SLEEP								SLEEP
MS1 BEHNKEN	O2-I		O2-T			SETUP C/L CAMR		RNDZ TOOLS C/O			ODS RING EXT			PRE SLEEP			DRY	PRE SLEEP				SLEEP
MS2 FOREMAN						SETUP C/L CAMR			P/TV01 VIDEO SETUP		ODS RING EXT			PRE SLEEP			DRY	PRE SLEEP				SLEEP
R2 MS3 DOI	♦	OBSS BERTH					PSLP	RNDZ TOOLS C/O			PRE SLEEP	PRLA	OVRLAY	PRE SLEEP									SLEEP
MS4 LINNEHAN	EXERCISE			WLES	FCMS OPS		OMS POD SRVY				PRE SLEEP												SLEEP
FE-2 EXP16 REISMAN			EXERCISE								PRE SLEEP												SLEEP

STS

DAY/NIGHT

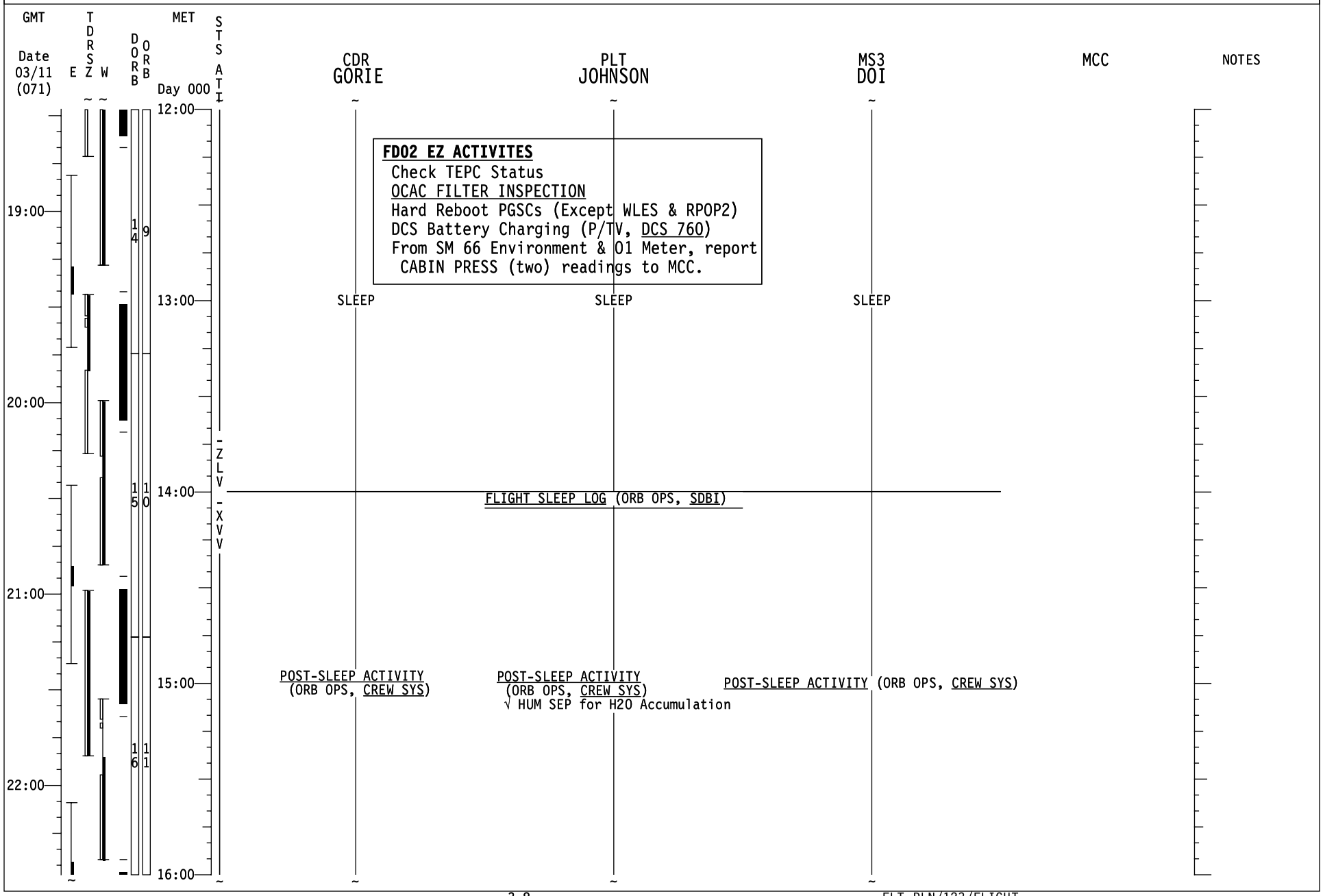
ORBIT 17 18 19 20 21 22 23 24 25

TDRS W -171 E -46 Z -275

ORB ATT COMM -ZLV -XVV INRTL MNVR -ZLV +YVV

NOTES
♣PORT WING SRVY
⊕PORT WING SRVY
♦PORT WING SRVY
*TK SWITCH ^APCU ACT
#RETURN

STS-123 (FD02)



FD02 EZ ACTIVITES
Check TEPC Status
OCAC FILTER INSPECTION
Hard Reboot PGSCs (Except WLES & RPOP2)
DCS Battery Charging (P/TV, DCS 760)
From SM 66 Environment & 01 Meter, report CABIN PRESS (two) readings to MCC.

STS-123 (FD02)

GMT Date 03/11 (071)	W	TDRSE	Z	DORB	ORB	MET Day 000	STS ATT	MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	MS5 REISMAN	NOTES
						12:00						
19:00				14	9							
						13:00		SLEEP	SLEEP	SLEEP	SLEEP	
20:00							-ZLV					
				15	10	14:00	-XVV	LIQ SALIVA & LOG (ORB OPS, SDBI)	LIQ SALIVA & LOG (ORB OPS, SDBI)			
								DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)			
								POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
21:00								DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)			
						15:00				POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				16	11			POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
22:00												
						16:00						

STS-123 (FD02)

GMT Date 03/11 (071) | E | TDRSZ | W | DORB | ORB | MET Day 000 | 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)
√ HUM SEP for H2O Accumulation

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

I'CNCT: ROMS TO RCS (OPCL, RCS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

23:00

ON-ORBIT OMS BURN (ORB OPS, OMS)

ON-ORBIT OMS BURN (ORB OPS, OMS)

TRANSFER UPDATE
Ref. Transfer MSG 004

UPDATE ORBITAL MNVR PAD

17:00

< NC2 TIG (17:07)

L17 Check MCIU filter screen

MNVR (INRTL)BIAS +YSI STBD SURVEY
TG=4 BV=5 P=0 Y=40 OM=212
A/AUTO/VERN, On MCC GO Init TRK

OBSS UNBERTH (PDRS, OBSS NOM OPS)

OBSS UNBERTH (PDRS, OBSS NOM OPS)

00:00

RCS/OMS HEATER RCNFG [A]

[A] RCS/OMS HTR RCNFG
A14 RCS/OMS HTR L POD A - OFF
B - AUTO
R POD A - OFF
B - AUTO

18:00

IMU STAR OF OPPTY ALIGN (ORB OPS)

OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)

OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)

OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)

01:00

19:00

02:00

20:00

STS-123 (FD02)

GMT Date 03/11 (071) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATI - ZLV - XVV - NC2 - BIAS + YSI

MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	MS5 REISMAN	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
PGSC SETUP (PART II) Setup the following: PGSC NETWORK (ORB OPS, PGSC) Setup remaining PGSCs PGSC HARD DISK LATE UPDATE Update remaining PGSCs with late update disk				
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)				
EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)		EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	
	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP			
EMU CHECKOUT (EVA, CHECKOUTS) MCC will TMBU s/w limits in Steps 1 & 100.		EMU CHECKOUT (EVA, CHECKOUTS) MCC will TMBU s/w limits in Steps 1 & 100.	EMU CHECKOUT (EVA, CHECKOUTS) MCC will TMBU s/w limits in Steps 1 & 100.	
	EXERCISE			
	CRYO O2 TK HTR SNSR CK (ORB OPS, EPS)			

STS-123 (FD02)

GMT Date 03/12 (072) | E | TDRSZ | W | DORB | ORB | MET Day 000 | STS ATI | CDR GORIE | PLT JOHNSON | MS3 DOI | MCC | NOTES

Time	CDR GORIE	PLT JOHNSON	MS3 DOI
20:00	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS NOM OPS)
	MNVR (INRTL)BIAS +XSI NC SURVEY TG=4 BV=5 P=304 Y=0 OM=185 A/AUTO/VERN, On MCC GO Init TRK OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS NOM OPS)	FC PURGE - MANUAL (ORB OPS, EPS) OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS NOM OPS)	OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS NOM OPS)
21:00			
22:00	MEAL	MEAL	MEAL
	MNVR (INRTL)BIAS -YSI PORT SURVEY TG=4 BV=5 P=0 Y=323 OM=95 A/AUTO/VERN On MCC GO Init TRK OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)
23:00			
00:00			

Time scale: 03:00, 04:00, 05:00, 06:00

Bias +XSI

Bias -YSI

STS-123 (FD02)

GMT Date 03/12 (072) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATT

MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	MS5 REISMAN	NOTES
DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)			
MEAL	MEAL	MEAL	MEAL	
EVA PREP FOR TRANSFER (EVA, AIRLOCK CONFIG)	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE) Do not perform MCIU filter cleaning until SRMS OPS are complete	EVA PREP FOR TRANSFER (EVA, AIRLOCK CONFIG)	EVA PREP FOR TRANSFER (EVA, AIRLOCK CONFIG)	
	R2 BLR CNTLR/HTR (three) - B TRANSFER PREP Retrieve mesh bag (Ref Transfer List: Item 1) & pack with Garrett's items (Ref Transfer List: Items 1.1-1.6). Temp stow bag on MDDK.			
EXERCISE		TRANSFER PREP Retrieve mesh bag (Ref Transfer List: Item 1) & pack with Garrett's items (Ref Transfer List: Items 1.1-1.6). Temp stow bag on MDDK.		
	GAP ACTIVATION (GAPs A, B, C, D) (ASSY OPS, GAP)			
DRY SALIVA CLCT(ORB OPS,SDBI)	DRY SALIVA CLCT(ORB OPS,SDBI)			

Time scale: 03:00, 04:00, 05:00, 06:00; 20:00, 21:00, 22:00, 23:00, 00:00

BIAS + XSI

BIAS - YSI

STS-123 (FD02)

GMT Date 03/12 (072) | E | TDRSZ | W | DORB | ORB | MET Day 001 | STS ATT | CDR GORIE | PLT JOHNSON | MS3 DOI | MCC | NOTES

CDR GORIE

- OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)
- I'CNCT TK SWITCH: R TO L OMS FEED (OPCL, RCS)
- MNVR (INRTL) LDRI COMM R=283 P=354 Y=36 A/AUTO/VERN Init MNVR
- PLAYBACK (DIGITAL) (P/TV FS, CUE CARD) LDRI OBSS SURVEYS KU TDRW (00:37-01:28) KU TDRE (01:28-01:55)
- ON-ORBIT +X RCS BURN (ORB OPS, RCS)
- < NC3 TIG (02:30)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- I'CNCT RETURN(OPS 2,3) (OPCL,RCS)
- NETMEETING VIDEO CONFERENCING (ORB OPS, OCA) 06 √UHF MODE - OFF Private Medical Conference B
- PRLA RFL OVERLAY DRAFTING (ORB OPS, PRLA)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PLT JOHNSON

- OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)
- OBSS BERTH (PDRS, OBSS NOM OPS)
- SSPTS APCU ACT (ORB OPS, EPS) Activate SSPTS APCU 2
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- ON-ORBIT +X RCS BURN (ORB OPS, RCS)
- MNVR (TRK) -ZLV -XVV TG=2 BV=3 P=90 Y=0 OM=0 A/AUTO/VERN Init TRK
- FUTURE LOAD (INERTIAL) R=359 P=5 Y=351 A/AUTO/VERN (1/07:45) Init MNVR
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

MS3 DOI

- OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS NOM OPS)
- OBSS BERTH (PDRS, OBSS NOM OPS)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- PRLA RFL OVERLAY DRAFTING (ORB OPS, PRLA)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

MCC

B Omit VLHS item in Step 1
Omit Step 3
Use A/G2 for Audio and KFX PGSC

NOTES

- UPLINK TFL 192
- UPDATE BURN PAD
- UPLINK TFL 188
- OCA-PMC

STS-123 (FD02)

GMT Date 03/12 (072) | W | TDRSE | Z | DORB | ORB | MET Day 001 | STS ATT

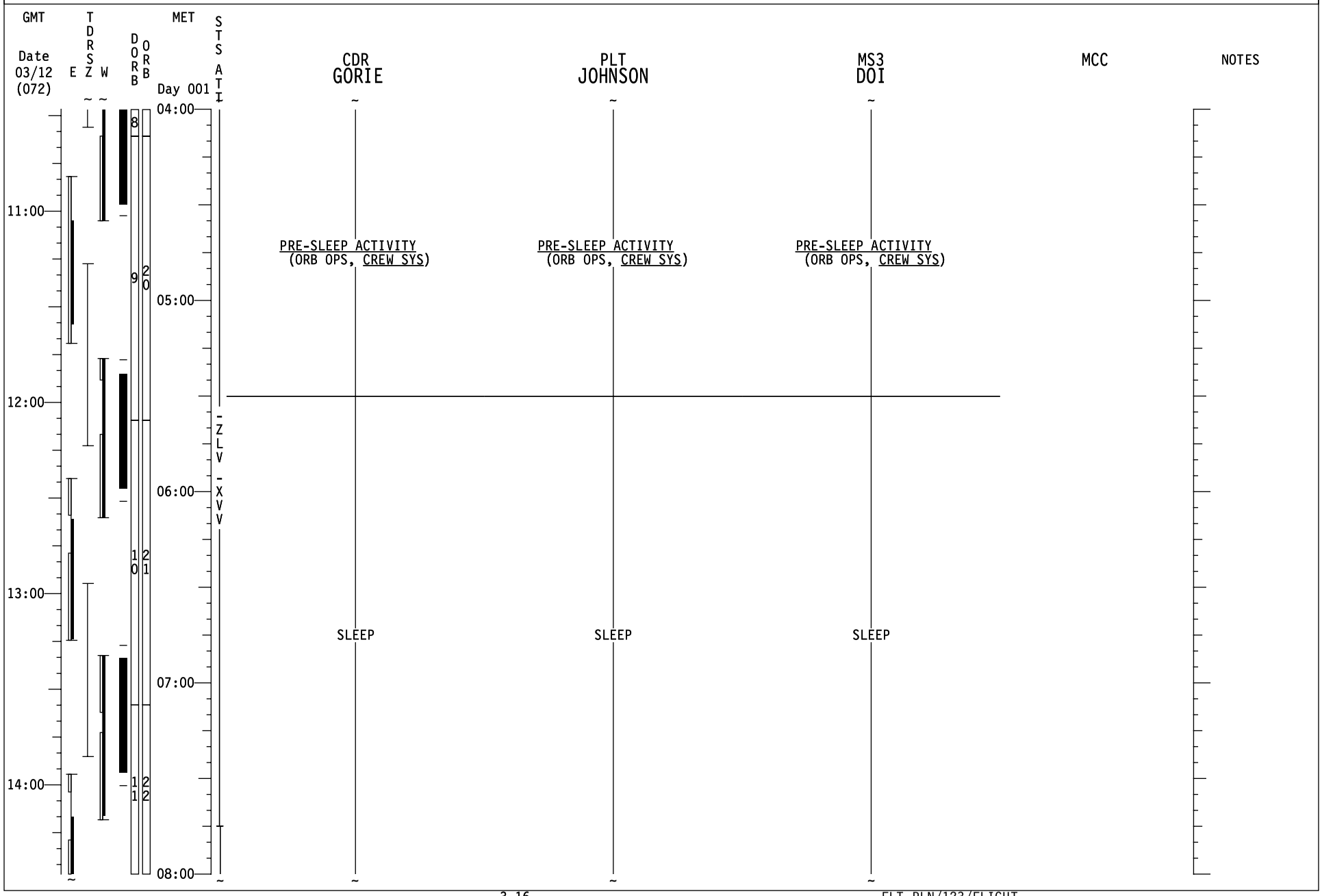
MS1 BEHNKEN	MS2 FOREMAN	MS4 LINNEHAN	MS5 REISMAN	NOTES
O2 REPRESS INIT OCAC PWR - OFF C5 DIRECT O2 vlv - OP				
O2 REPRESS TERM on MCC GO C5 DIRECT O2 vlv - CL OCAC PWR - ON		EXERCISE		
C/L CAMR INSTALL (PHOTO/TV, C/L CAMR)	C/L CAMR INSTALL (PHOTO/TV, C/L CAMR)	WLES RNDZ TOOL C/O PREP (ORB OPS, WLES) FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	EXERCISE	
RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)		P/TV08 EXTERNAL SURVEY (S/U) (P/TV, SCENES) Step 1 P/TV08 EXTERNAL SURVEY (OPS) (P/TV, SCENES) Item 1		
	P/TV01 VIDEO SETUP (P/TV FS, SCENES)			
DOCKING MECH INITIALIZATION DOCKING MECH POWERUP DOCKING RING EXTENSION DOCKING MECH POWERDOWN (RNDZ, APDS)	DOCKING MECH INITIALIZATION DOCKING MECH POWERUP DOCKING RING EXTENSION DOCKING MECH POWERDOWN (RNDZ, APDS)			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

Time scale: 07:00, 08:00, 09:00, 10:00; 00:00, 01:00, 02:00, 03:00, 04:00

STS ATT: COMM, NC3, ZLV, XVV

ORB: 6, 7, 8; ORB: 17, 18, 19

STS-123 (FD02)


GMT
Date
03/12
(072)
E
TDRSZ
W
DORB
ORB
MET
Day 001
STS ATT
CDR
GORIE
PLT
JOHNSON
MS3
DOI
MCC
NOTES
11:00
12:00
13:00
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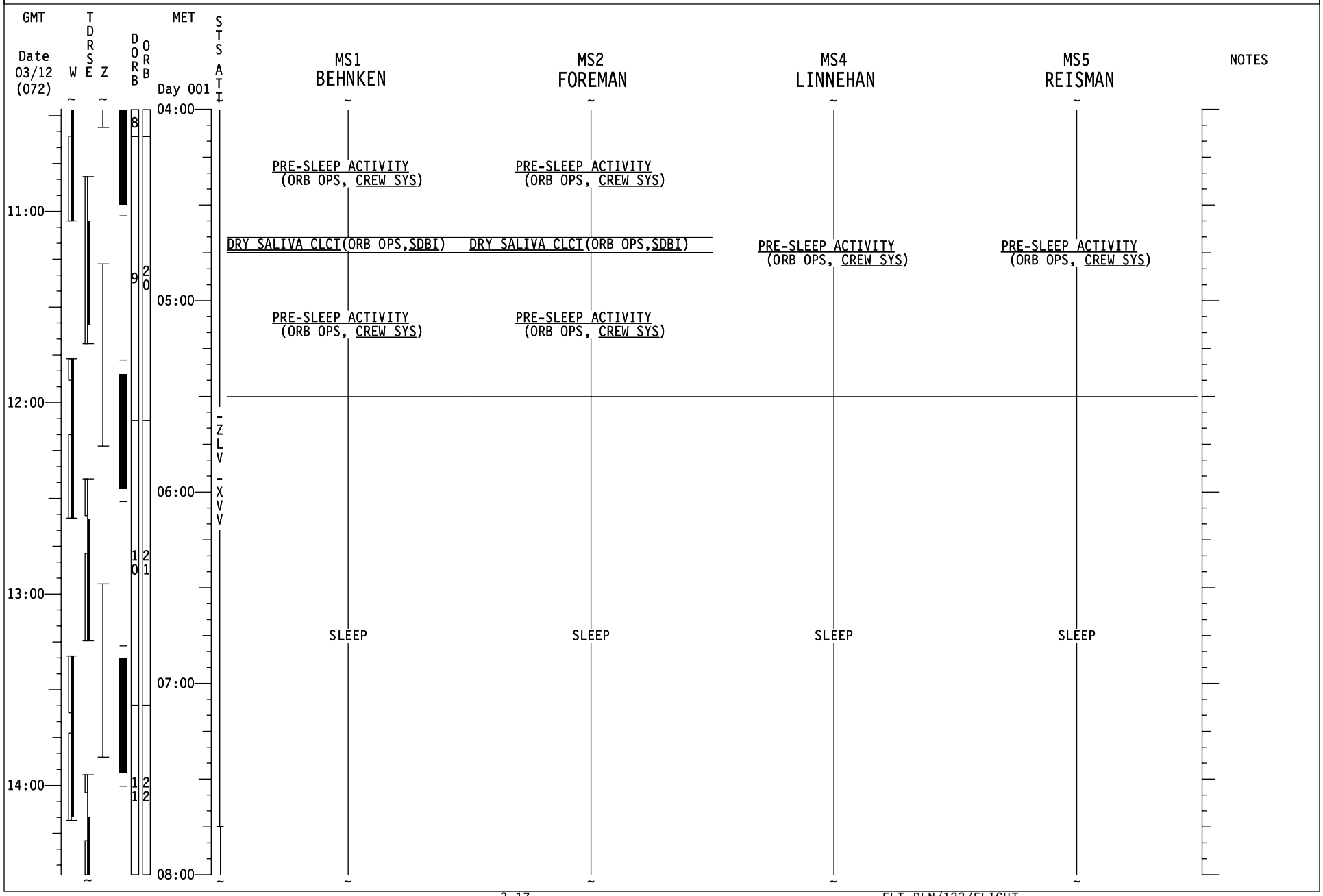
04:00
05:00
06:00
07:00
08:00
8
9
10
11
20
21
22
-ZLV
-XVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP

STS-123 (FD02)


GMT
Date 03/12 (072)
W
TDRSE
Z
DORB
ORB
MET
Day 001
STS ATT
MS1 BEHNKEN
MS2 FOREMAN
MS4 LINNEHAN
MS5 REISMAN
NOTES
04:00
05:00
06:00
07:00
08:00
11:00
12:00
13:00
14:00
8
9
20
10
21
11
22
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
DRY SALIVA CLCT(ORB OPS,SDBI)
SLEEP
-ZLV
-XVV

Congratulations! What a beautiful night launch! You're off to a great start, and today's activities will center around orbiter inspection and EMU checkout.

We successfully downloaded all of the ET Umbilical Well Camera photos. The new flash units were dramatic and effective.

Dom, you reported unexpected RCS jet firings during ET Sep. During ET Sep, the jet activity was atypical due to the DSC OL1 Card 1 failure removing jet L2D from the DAP. Normally, ET Sep commands all 6 Aft down jets and 4 Forward down jets. The ET Sep sequence started off firing all of those jets, except L2D was unavailable. This caused small errors to build, which the DAP controlled by cycling the Forward and Right down jets; the 2 Left down jets fired continuously throughout the ET Sep maneuver. This behavior is normal for this circumstance.

YOUR CURRENT ORBIT IS: 157 X 94 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.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 17 – 01/00:31 (FEW250 270/08P12)
EDW22 ORB 66 – 02/00:27 (SCT250 270/08P14)

OMS TANK FAIL CAPABILITY:

L OMS FAIL: YES R OMS FAIL: YES

LEAKING OMS PRPLT BURN:

L OMS LEAK: ALWAYS BURN OUT-OF-PLANE
R OMS LEAK: ALWAYS BURN OUT-OF-PLANE

AFTER NC-2 / PRIOR TO NC-3:

OMS QUANTITIES(%)

L OMS OX = 53.6 R OMS OX = 50.7
FU = 53.2 FU = 50.5

SUBTRACT I'CNCT COUNTER FROM CURRENT OMS QUANTITIES

DELTA V AVAILABLE:

OMS	501 FPS
ARCS (TOTAL ABOVE QTY 1)	56 FPS
TOTAL IN THE AFT	557 FPS
ARCS (TOTAL ABOVE QTY 2)	85 FPS
FRCS (ABOVE QTY 1)	41 FPS
AFT QTY 1	88 %
AFT QTY 2	50 %

AFTER NC-3 / PRIOR TO NH:

OMS QUANTITIES(%)

L OMS OX = 53.6 R OMS OX = 50.7
FU = 53.2 FU = 50.5

SUBTRACT I'CNCT COUNTER FROM CURRENT OMS QUANTITIES

DELTA V AVAILABLE:

OMS	493 FPS
ARCS (TOTAL ABOVE QTY 1)	57 FPS
TOTAL IN THE AFT	550 FPS
ARCS (TOTAL ABOVE QTY 2)	85 FPS
FRCS (ABOVE QTY 1)	40 FPS
AFT QTY 1	88 %
AFT QTY 2	50 %

SYSTEM	FAILURE	IMPACT	WORK AROUND
ECLS	FES Pri A shutdown for both Full-Up and Topping-only FES Pri A operations.	Loss of Pri FES controller redundancy.	Use FES Pri B for the remainder of the mission.
EPS	O2 Tank 1 quantity transducer has become erratic.	Loss of insight into O2 Tank 1 quantity.	None – further troubleshooting may follow. EGIL will use alternate methods to calculate O2 Tank 1 quantity.
OMS	LOMS FU TOTAL Gage stuck at 46.4%	Loss of LOMS FU Gaging	Refer to Mission Summary for current OMS qtys.
RCS	DSC OL1 Card 1	Loss of fail-leak RM for LRCS Manf 2 jets and L5L.	LRCS Manf 2 jets will be placed in last priority and reselected. A GMEM will be performed to regain fail-leak RM for L5L. Verns will be operated with L5L unavailable until the GMEM is implemented.

Good morning Takao and Bob!

Today we've uplinked the Resupply Transfer List. We'll uplink the Return Transfer List on FD04.

Q & A

- Preflight you asked us to add the following items from MA16L to the Transfer List:
    a. FSL LAN Cable Repair Kit – added as item 6
    b. ISS Food – added as item 800
    c. Sharp Edge Test Swatches – we're working to get more information on these, expect to see them added on a later flight day
- STS-123 transfer rules: The transfer rules have not been uplinked to the ISS crew. However, they used the same transfer method on 1E (put their initials/FD/check marks in the transfer book) so no additional instruction should be needed.
- LiOH Socks (item 27): Previously, the ISS crew was going to install the LiOH covers after undock. However, we've found time on FD11 for Box to perform the LiOH swap and install the new covers on LiOH cans in the ISS stockpile.

For STS, the Transfer List Excel file, FD02_TransferList_STS123.xls, is located on the KFX machine in **C:\OCA-up\transfer**.

FD02 Choreography

- XFER Update (Doi-san): Incorporate uplinked resupply plan in Transfer List book.
- Transfer Prep, Items 1 - 1.6 (Rick & Mike): Retrieve mesh bag from MF28H and pack with Garrett's items.

Please update the Transfer List as follows:

In **LAYOUT** tab:
Insert Page L-1

In **RESUPPLY** tab:
Insert Resupply Pages 1 - 10

Please call us with questions.
- The Transfer Team

MSG04 - FD02 Transfer Message

LW MAR
8929-323

CDR	DOMINIC L.GORIE
PLT	GREGORY H. JOHNSON
M/S #1	ROBERT L. BEHNKEN
M/S #2	MICHAEL J FOREMAN
M/S #3	TAKAO DOI (JAXA)
M/S #4	RICHARD M. LINNEHAN
M/S #5 (UP)	GARRETT REISMAN
M/S #5 (DN)	LEOPOLD EYHARTS

ASCENT MODULAR LOCKER LAYOUT

LEADER:	DANIEL CULPS
DATE:	2-27-08
LAUNCH:	03-11-08
FLIGHT:	STS-123/1J/A/JEM
VEHICLE:	OV-105
CREW:	7 PERSON 16+1+2 DAYS
RQMTS:	SRMS, ERGOMETER, SORG, NO RCRS, SLEEPING BAGS

ML60B 6013 -309
PRIME C/L CAM
GFE TV CONTROL

ML60E 0633 -304
PGSC/
PGSC ACCESS
STS1-OCA ROUTER
STS2-WINDECOM
STS3-KFX
STS4-WORLDMAP
STS5-RPOP
STS6-RPOP2
STS7-WLES

ML60M 6014 -312
B/U C/L CAM
ULTRA SONIC
LEAK DETECTOR

VOL B 7436 -314
HYGIENE
COMMUNITY PHK
MESH BAG

VOL 3B 7425 -320
(MA73J)
QUICK DON MASKS (3)
CABIN AIR CLEANER/
SPOTLIGHT
PD100 CC/FLASH/
LCD MON DCS 760
400MM LENS

MIDDECK FORWARD

PANTRY FOOD 1622 -308 | MF57A 1622 -308 PANTRY FOOD | PANTRY FOOD 1622 -305

MF43C 1900 -308 CDR — CLOTHING
MF57C 1902 -308 M/S #1 — CLOTHING
MF71C 1901 -305 PLT — CLOTHING

MF14E 2760 -306 ● FRESH FOOD — ● FRESH FOOD
MF28E 5452 -327 IFM BREAKOUT BOX TURNBUCKLES GSC (2) WWD FLT RMS IFM KIT
MF43E 0616 -303 CELL WALL/ WATER RESERVOIR ●⊗ CTB (0739 -303)
MF57E 0632 -302 CREW CARE PACKAGE ●⊗ | ENTRY GARMENTS HCTB (8740-301)
MF71E 7463 -303 MERLIN MSG GLOVE RING (5)

MF14G 2761 -308 ● FRESH FOOD — MENU FOOD
6300 -345 MF28G 6250 -353 IFM TOOLS 2163-302 2161-305 2162-307
MF43G 6240 -311 SODF/ ORBITER FDF ●
MF57G 5473 -305 ORBITER FDF ●
MF71G 6697 -327 HH LIDAR/ NIGHT SCOPE TRAD/SSV BPSMU/2ND HHL

MF14H 2763 -304 MENU FOOD — MENU FOOD
MF28H 6231 -349 POST INSERTION ALTIMETER
MF43H 3005 -304 M/S #4 — CLOTHING
MF57H 1904 -307 M/S #3 — CLOTHING
MF71H 1903 -305 M/S#2 — CLOTHING

MF14K 2764 -306 MENU FOOD — MENU FOOD
MF28K 2767 -304 MENU FOOD — MENU FOOD
MF43K 0627 -303 GAP (4)/ PLANT HAB HCTB (0648-303) L-10 | CREW PROVS ⊗ HCTB
MF57K 6291 -311 SODF ○⊗ CTB (0744-301)
MF71K 8967 -302 GAP (12) L-10

MF14M 2765 -304 MENU FOOD — MENU FOOD
MF28M 2768 -303 MENU FOOD — MENU FOOD
MF43M 6299 -318 COAS/FLUOR LT LIGHT SHIELDS DCS 760 AUDIO DOS BTA
5962 -303 MF57M 6269 -307 PRINT TRAYS — IODINE REMOVAL 6256-303
MF71M 0629 -302 EMCS/BCAT-4/ LOCAD ⊗CTB (0552-302)

MCIU
MF14O 2766 -305 MENU FOOD — MENU FOOD
MF28O 2769 -309 MENU FOOD — MENU FOOD
PDI
MF71O 0639 -301 M/S #5 UP — MENU FOOD

MIDDECK AFT

MA9D/F 9882 -303 SPARE DTV HDW — T-RAD
MA16D 8719 306 COLOR PRINTER & PAPER — CTB (6066-331)
MA16F 8047 -304 DC VACUUM — CTB (6015-326)
MA9G 8965 -312 CONDENSATE SUPA (17) INGRESS CSA-CP ⊗ O-RINGS
MA16G 8737 -307 RCC NOAX DOUBLE COLD BAG ●
MA9J 0634 -304 ⊠ PCS A31P ⊠ CD CARRYING CASE PGSC ACCESS ⊠ PWR SPLY
MA16J 8723 -302 STOW N GO
MA9L 0631 -305 SALIVA KIT AMMONIA DET KIT LOGBOOK RESUSCITATOR INTEGRATED IMMUNE ACTIWATCH(3)/ ⊗(1)
MA16L 1908 -309 CREW SUPPORT
MA9N 7432 -327 SOFT STWG BAGS
PHK'S (6) 4980-309
CCK/LT STICKS 8071-318
RSTRNTS/ FIBERSCOPE RE-ENTRY 8070-302
MA16N 9014 -309 MED KITS

E

MD CEIL 0613 -303 (PORT 1)
CLOTHING BAG (4)
HYGIENE

F

MD CEIL 0614 -304 (PORT 2)
⊗ SILVER BIOCIDE SYRINGE KIT
CWC (1)/ ⊗ CWC (2)
CCC (2)
GEL BRUSH KIT
CLOTHING BAG (2)
MINERAL KIT
PURGE KIT ASSY
NADA CHAIR (2)
OCA
M/S #5 CLOTHING

G

MD CEIL 0615 -302 (STBD 1)
⊗ KAU ASSY
⊗ OBSS SENSOR BAG
● L-10

H

MD CEIL 0636 -304 (STBD 2)
RSK-7
ACES
BOOTS
G-SUIT
HYGIENE
PHASE VI GLOVE (3)

B

MD FLOOR 6665 -342 (PORT 2)
⊗ IELK
⊗ RUNNING SHOES

A

MD FLOOR 0617 -306 (PORT 1)
⊗ CTB, JAXA (0554-303)
⊗ CTB, MKAK (0545-304)
⊗ CTB, VOK (O565-305)
⊗ CTB, SPU (0483-302)
⊗ CTB, SPHERES (0746-301)
⊗ BARRIER ASSY

D

MD FLOOR 0618 -307 (STBD 2)
⊗ CTB, CHeCS #1 (0529-305)
⊗ CTB, URINE/INFLIGHT BLOOD KIT (0550-304)
⊗ HCTB, GRAB SAMPLES (10) (9111-304)
⊗ HCTB, ISS PHOTO/TV (528-21106-23)
⊗ GLOVE RINGS (8)

C

MD FLOOR 0582 -303 (STBD 1)
⊗ EVA WIPES (5)
DIDB'S (16)/ ⊗ DIDB'S (2)
LCVG (2)
EMU BATTERY
LOWER ARM/THIGH BRIEF/LEG ASSY
OHT (2)
THERMAL BLANKET (2)
PHASE VI GLOVE (4)
CCC (2)

A16 8706 -313
35 MM CAMERA BAG
PILOT
PGSC DESK
BRKTS(3)

A17 7424 -304
CC BAG #1
DTV CAM BAG
QUICK DON MASKS (4)
HATCH TOOL

VOL D 7482 -303 (MD52C)
RCC TOOLS

VOLUME F 1403 -306 (MD76M)
WET TRASH

VOLUME G 1800 -346 (MD80R)
CONT UCDs
WASTE MGMT

VOLUME H 8068 -310 (MD23R)
EVA ACCESS (INBD)
⊠ EMU SERVICING KIT
⊠ EHIP BATTERY PACK
EVA ACCESS (OBD) 8065 -308
HIGH TORQUE TOOLS
⊠ EHIP BATTERY PACK

4575 -314 WMC 0914 -332 (MA82H)
TOWELS AND RESUPPLY ITEMS
WMC DISPENSER
1st DAY CLOTH
1641-330

EXT AIRLOCK
7404 -316 (STBD) 2-EMUs 7403 -317 (PORT)
⊗ WIRE TIES (20)
⊗ RETRACT EQUIP TETHS (29)
⊗ APMA (3)
⊗ FLOOD BULB (5)
ECOK (1)/ ⊗ ECOK (1)
LCVG (1)/ ⊗ LCVG (1)
SAFETY TETH/ADJ. EQUIP TETH
NEEDLE NOSE PLIERS/SOCKET EXT.
PHASE VI GLOVES (3)
TRASH BAG, LARGE
EVA THERMAL SENSOR/BATTERIES
TEMPLATE MOUNT ASSY
TOOL STWG CADDY/EDF BOLT
0583 -305

29 LIOH + 1 ATCO STOWED IN LIOH BOX
2 INSTLD
6 G-SUITS
LIOH COVERS:
⊗ ZIPLOCK (21)
⊗ INSTL ON LIOH CANS (3)
(7435-319)

C/D JSC (2162-306)
P/D JSC (2159-309)
C/D KSC (2164-304)
P/D KSC (2163-304)
ISS LABEL (7493)
CEIT KIT SJD33112156-303

WINDOW SHADE BAG - (5548-360)
WINDOW SHADES
IFM CABLES & HOSES (4259-344)
CAMERA SHROUDS
FILM CHG BAG

L10A1: AVIU(6686-331)
L10A2: DTV MUX
L10A3: DTV/ VTR/VIP
L11A1: PDIP 2
L11:A2/A3: OIU 1/2
L12A1: SSP 1
L12A2: SSP 2
L12A3: PDIP
R12A1: VPU
R12A2: OPP

	CTB	HLF	SGL
LAUNCH	TBD	TBD	
RETURN	TBD	TBD	

✱ NOT APPROVED
● L-24 LATE LOAD
⊠ SWAP
⊗ TRANSFER HARDWARE
CTB CARGO TRANSFER BAG
HCTB HALF CARGO TRANSFER BAG

DWG NO. SGD32104446
CCFE: TRACY HUNT
(281) 483-3063
/USR/DWGS/LOCKER/STS123

NOTE: LOCKER LAYOUTS ARE FOR REFERENCE ONLY & ARE NOT RELEASED DWGS. FOR RELEASED DRAWING, PLEASE REFER TO THE CREW COMPARTMENT CONFIGURATION DRAWING FOR THIS FLIGHT (SGD32104446)

STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
			Middeck Resupply								
				1	Mesh Bag	1	MF28H	MDDK	MF28H	0.10	**On FD02, retreive mesh bag from Post Insertion locker and pack with Garrett's items. Ref items 1.1 - 1.6. **Once docked, transfer mesh bag to ISS, unpack and stow contents per items 1.1 - 1.6. **Once emptied, return mesh bag to MF28H.
				1.1	Running Shoes	1 pair	MD FLOOR PORT 2 (Bag B)	MDDK (in mesh bag)	Garrett Crew Pref	1.98	**Reqd FD05 for EXER H/O (exercise handover).** **Garrett's
				1.2	ISS FOOD WARMER	1	MD FLOOR STBD 1 (Bag C)	MDDK (in mesh bag)	SM_230 panel front	13.00	
				1.3	ISS FOOD WARMER POWER CABLE	1	MD FLOOR STBD 1 (Bag C)	MDDK (in mesh bag)	SM_230 panel front	0.83	
				1.4	CHeCS	1.0 CTB	MD FLOOR STBD 2 (Bag D)	MDDK (in mesh bag)	LAB1O6 rack front	26.45	**Reqd FD05 for EXER H/O (exercise handover).** **Contains Garrett's personal items (IMAK). **Contains RAMS required for FD06 RAM INSTL.
				1.5	G REISMAN CREW PREFERENCE	0.5 CTB	MF43K	MDDK (in mesh bag)	Garrett Crew pref	11.70	
				1.6	CREW CARE PACKAGE EXP. 16 - 1J/A	0.5 CTB	MF57E	MDDK (in mesh bag)	ISS Crew pref	33.07	

[ ] - notes included by transfer team, - not on actual label

STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				2	BORE O-RING FACE O-RING	1 ziplock	MA9G		PMA2	0.50	**Reqd for EGRS HATCH CLOSE.**
				3	A31p Laptop [AFD PCS] [s/n 1114]	1	MA9J	STS deployed	NOD1S4_C2 (in 1.0 CTB, s/n 1189)	7.94	**Transfer on FD15 during PCS DEACT & XFER .** **Transfer laptop including all of its internal components and power supply in use (green brick, ref item 4). No other peripherals transfer (i.e. 1553 card or associated cables, etc.)**
				4	A31p 28V DC Power Supply [s/n 1310] [Green Brick]	1	MA9J	STS deployed	NOD1S4_C2 (in 1.0 CTB, s/n 1189)	4.50	**Transfer power supply in use with the A31P Laptop. Ref item 3. **Cable between Power Supply and Laptop does *not* transfer.
				5	CD CARRYING CASE	1	MA9J		LAB1S5_A1	3.00	**Reqd for FD07 ER2 (Express Rack 2).**
				6	FSL LAN Cable Repair Kit	1	MA16L		COLO1_J1	0.88	
				7	GEL & NETTED BRUSH KIT	1	MD CEIL PORT 2 (Bag F)		NOD1P4_D (in 1.0 CTB, s/n 1074)	13.00	

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				8	Sample Purge Kit [s/n 1005]	1	MD CEIL PORT 2 (Bag F)	Vol D temp stowed	NOD2P2 (in M-02 bag, s/n 1026)	2.89	**Do not transfer until all CWC fills are complete.** **Before transfer, remove remaining empty sample bags (P/N SED46113541-302) from other STS Sample Purge Kit s/n 1002 and stow in this Sample Purge Kit s/n 1005. STS Sample Purge Kit s/n 1002 does not transfer. **RECORD quantity of sample bags transferred_____. Report to MCC. **Ref H2O Ops cue card.
				9	Silver Biocide Syringe Kit [s/n 1002]	1	MD CEIL PORT 2 (Bag F)	Vol D temp stowed	NOD2P2 (in M-02 bag, s/n 1026)	1.34	**Do not transfer until all CWC fills are complete.** **Ref H2O Ops cue card.
				10	7/16" x 6" WOBBLE	1 ziplock	MD EXT A/L FLOOR		A/L1O0 behind closeout (in 1.0 CTB, s/n 1161)	0.50	
				11	NEEDLE NOSE PLIERS	1 ziplock	MD EXT A/L FLOOR		A/L1O0 behind closeout (in 1.0 CTB, s/n 1075)	1.10	**Transfer with item 12.

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				12	TEMPLATE MOUNT ASSEMBLY	2 ziplocks	MD EXT A/L FLOOR		A/L1O0 behind closeout (in 1.0 CTB, s/n 1075)	2.40	**Transfer with item 11.
				13	WIRE TIES - 20	1 ziplock	MD EXT A/L FLOOR		A/L1O0 behind closeout	2.00	
				14	CSLM-2 SPU	1.0 CTB	MD FLOOR PORT 1 (Bag A)		COL1O3_A2	47.43	
				15	JEM ITEMS	1.0 CTB	MD FLOOR PORT 1 (Bag A)		NOD2D2	21.66	
				16	MKAK	1.0 CTB	MD FLOOR PORT 1 (Bag A)		NOD2D2	32.31	**Transfer FD03 during XFER OPS (JLP & VOK).** **Reqd for FD04 MKAM S/U.
				17	RADIAL PORT CLOSEOUT [Axial Port Closeout]	1	MD FLOOR PORT 1 (Bag A)		NOD2D2	2.63	**Transfer FD03 during XFER OPS (JLP & VOK).** **Reqd for FD05 VEST OUTFIT 2.
				18	SPHERES / SHERE	1.0 CTB	MD FLOOR PORT 1 (Bag A)		NOD2D2	32.66	

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				19	VOK [Vestibule Outfitting Kit]	1.0 CTB	MD FLOOR PORT 1 (Bag A)		NOD2D2	24.33	**Transfer FD03 during XFER OPS (JLP & VOK).** **Reqd for FD05 JLP VEST OUTFIT 1 and JLP INGRESS.
				20	IELK	1	MD FLOOR PORT 2 (Bag B)		Soyuz	79.37	**Transferred FD03 per IELK RMVL** **Garrett's
				21	[flood light bulb assy] [FLOOD BEAM BULB ASSY]	1 ziplock of 5	MD FLOOR STBD 1 (Bag C)		A/L1D0 behind closeout (in 0.5 CTB, s/n 1075)	0.50	**Item not labeled but has yellow transfer tab.
				22	GSC - 10	0.5 CTB	MD FLOOR STBD 2 (Bag D)		LAB1O6 rack front	15.40	**Reqd FD09 for GSC SMP.**
				23	ISS PHOTO/TV RESUPPLY KIT/IVA RESUPPLY H/W	0.5 CTB	MD FLOOR STBD 2 (Bag D)		LAB1D3 rack front	21.15	**Contains PMIC (Portable Microphone) requested by Peggy.
				24	MSG Glove Ring Assembly (size 9) - 4 MSG Glove Ring Assembly (size 7) - 4	1 ziplock	MD FLOOR STBD 2 (Bag D)		COL1O4_B1 (in 1.0 CTB, s/n 1117)	5.12	
				25	URINE/INFLIGHT BLOOD KIT	1.0 CTB	MD FLOOR STBD 2 (Bag D)		NOD2D2	25.40	

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				26	LiOH [Decal #'s STS-123 #1-3 and STS-123 #22-31]	13	MD LiOH Box		NOD1S4_D2	91.00	**Transfer FD11 during LIOH SWAP.** **Before closing the NOD1S4_D2 door, ensure all canister handles are collapsed and canisters are not compressed. This is to prevent the handles from cracking the side of other cans in this location.** **Swap with Returning LiOH. Ref item 717.
				27	LiOH Covers - 21 [LiOH Socks]	1 ziplock	MD LiOH Box		NOD1S4_D2	5.93	**Transfer FD11 during LIOH SWAP.** **These will be installed on ISS LiOH per Execute Package message.
				28	ECOK (BE)	1 mesh bag	MDDK	ISS A/L		30.00	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				29	ECOK (FM)	1 mesh bag	MDDK	ISS A/L		19.00	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				30	ECOK (LM)	1 mesh bag	MDDK	ISS A/L		20.00	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				31	ECOK (RM)	1 mesh bag	MDDK	ISS A/L		50.00	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				32	EMU 1 [s/n 3004 (LM)]	1	STS EXT A/L	ISS A/L		307.43	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				33	EMU 2 [s/n 3003 (FM)]	1	STS EXT A/L	ISS A/L		303.90	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				34	EMU Systems Transfer Bag	1 mesh bag	MDDK	ISS A/L		42.00	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				35	EVA 1 Task Transfer Bag	1 mesh bag	MDDK	ISS A/L		22.83	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				36	EVA 2/3 Task Transfer Bag	1 mesh bag	MDDK	ISS A/L		13.20	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				37	EVA 4 Task Transfer Bag	1 mesh bag	MDDK	ISS A/L		5.60	**Configured on FD02 per EVA PREP FOR XFER and transferred on FD03 per PST DK EVA XFER/RCNFG.
				38	Large ORU Transfer Bag [OBSS hardware]	1	ISS A/L	MDDK	ISS A/L	141.21	**Configured and transferred on FD12 per OBSS KAU ASSY. **Bag is from ISS and is configured on the Shuttle before returning to ISS for EVA use

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				39	Multimeter [new] [s/n 1013]	1	MF28G in IFM Tools Stowage Tray (in Multimeter Kit)		NOD1O4_D1 {0.5 CTB s/n 1202 (in Multimeter Kit s/n 1017)}	1.35	**Do not transfer kit or leads.** **After FD04 JLP LEAK CK, remove shuttle multimeter from Multimeter/Temp Probe Kit (p/n 10118-10018-04) and swap with returning multimeter. Ref item 718.
				40	CELL WALL / INTEGRATED IMMUNE	1.0 CTB	MF43E		LAB1O3_D2	29.33	**On FD04, transfer per CWRW.**
				41	12 x 12 ziplock	1 ziplock	MF43K (in lid of 0.5 CTB, s/n 1327)		LAB1P2_J1	3.26	**Transfer FD05 during CSI XFER.** **Retrieve this 12 x 12 ziplock from lid of CTB in MF43K. Pack ziplock with items 41.1 - 41.3.
				41.1	COMPACT FLASH CARDS SEED RETAINER	1 ziplock	MF43K (in 0.5 CTB, s/n 1327)		LAB1P2_J1 (in ziplock)	in above	**Transfer FD05 during CSI XFER.** **Before transfer, pack this item inside 12x12 ziplock. Ref item 41.
				41.2	PETRI DISH CSI2-A411-2	1 ziplock	MF43K (in 0.5 CTB, s/n 1327)		LAB1P2_J1 (in ziplock)	in above	**Transfer FD05 during CSI XFER.** **Before transfer, pack this item inside 12x12 ziplock. Ref item 41.
				41.3	SILICATE GARDEN HAB CSI-A305	1 ziplock	MF43K (in 0.5 CTB, s/n 1327)		LAB1P2_J1 (in ziplock)	in above	**Transfer FD05 during CSI XFER.** **Before transfer, pack this item inside 12x12 ziplock. Ref item 41.

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				42	SODF	1.0 CTB	MF57K		LAB1P6 rack front	56.02	**Transfer during FD03 SODF XFER.
				43	MSG Glove Rings	1 ziplock	MF71E in MERLIN Pouch Assy		COL1O4_B1 (in 1.0 CTB, s/n 1117)	2.60	**Transfer FD13 during MRLN GLVRG (MERLIN Glove Ring).** **Remove glove rings from pouch assembly inside MERLIN and transfer to MSG rack.
				44	EMCS/BCAT/LOCAD	1.0 CTB	MF71M		NOD2D2	51.27	

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STS-123/1JA Resupply Transfer List

CHNG	☑	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/**Constraints**/ **Comments
				Real Time Additions							
				800	ISS Food	n/a	MA16L		Peggy, Leo & Yuri's stomachs	n/a	

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