STS-122 / 1E

FD 01 Execute Package

MSG	Page(s)	Title
001B	1 - 13	FD02 Flight Plan Revision **(pdf)**
002	14 - 15	FD02 Mission Summary **(pdf)**
003	---	FD02 Transfer List **(pdf - Electronic Only)**
004	16 - 17	Leo's FD02 Transfer Prep **(pdf)**
005	18	Water Ops Cue Card **(pdf)**
006	19	RCS Jet Reprioritization **(pdf)**

Approved by FAO: *Jennifer Clevenger*

Last Updated: Feb 8 2008 8:54AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
001	FD02 Flight Plan Revision
002	FD02 Mission Summary
003	FD02 Transfer List (electronic only)
004	Leo's FD02 Transfer Prep
005	Water Ops Cue Card
006	RCS Jet Reprioritization

1. Please perform the RCS Jet Reprioritization activity in MSG006 prior to starting the day's activities.

2. For LiOH changeouts using STS-122 cans, remove the tape from the bottom of the can prior to performing changeout. Then, apply the tape to the bottom of the used can.

3. For the SSV Setup callout on MS1 at MET 0/17:05, the SSV and its associated cables should be located in locker MA16J.

4. Leland, today we've uplinked the FD02 Transfer List (MSG 003) and Leo's FD02 Transfer Prep instructions (MSG 004). We'll uplink the Return Transfer List on FD04.

5. Here is a summary of the stowage locations that were called up prior to crew sleep last night:
   - Actiwatches
     - 1st priority location: MF71O
     - 2nd priority location: MF28G
   - Leo's PHK
     - 1st priority location: MF71K (Crew Care Package 1/2 CTB)
     - 2nd priority location: 10MLE Bag (Leo's Crew Preference Kit 1/2 CTB)

6. The MCC has remotely uplinked the latest HazMat data file to all networked PGSCs onboard. Please update all non-networked PGSCs with the latest HazMat data file by performing the following steps:

   From STS-3 (KFX PGSC)
   Copy Tox.haz from C:\OCA-UP\SPOCAPPS\UPLINK to PCMCIA Card

   To update non-networked PGSCs
   Copy Tox.haz from PCMCIA Card to C:\SPOCCAPPS\HAZMAT\UPDATES

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

02/08/08 02:58:33 **REPLANNED**

FD02
GMT 02/08/08 (039)
MET Day 000

08 09 10 11 12 13 14 15 16 17 18 19
12 13 14 15 16 17 18 19 20 21 22 23 001/00

STS-122

Crew	Activities
CDR FRICK	SLEEP; POST SLEEP; ICNCT*; POST SLEEP; NC2 OMS BURN; MNVR ZLV; RCS*; IMU; MNVR STBD; STBD WING SURVEY; NOSE CAP SURVEY; MEAL; MNVR PORT; PORT WING SURVEY
PLT POINDEXTER	SLEEP; POST SLEEP; OMS BURN; APCU*; P/TV01 VIDEO SETUP; CRYO 02 SNSR CK; EXERCISE; O2 INIT; O2 TERM; MNVR NOSE; H2O CWC S/U; FCPRG*; WSB; MEAL; EMU PREP FOR XFER
MS1 MELVIN	SLEEP; RMS*; POST SLEEP; RMS PWR UP; RMS C/O; POST SLEEP; SSV SETUP; OBSS UNBERTH; STBD WING SURVEY; XFR UPDAT; MEAL; PORT WING SURVEY
MS2 WALHEIM	SLEEP; LOG; POST SLEEP; OMS BURN; EMU C/O PREP; EMU C/O; EMU PREP FOR XFER; MEAL; EMU PREP FOR XFER
MS3 SCHLEGEL	SLEEP; LOG; POST SLEEP; PGSC SETUP (PART II); ERG SETUP; EMU C/O PREP; EMU C/O; NOSE CAP SURVEY; MEAL; PORT WING SURVEY
MS4 LOVE	SLEEP; POST SLEEP; RMS PWR UP; RMS C/O; POST SLEEP; OBSS UNBERTH; STBD WING SURVEY; NOSE CAP SURVEY; MEAL; EMU PREP FOR XFER; EXER CISE
FE-2 EXP16 EYHARTS	SLEEP; POST SLEEP; ERG SETUP; EXERCISE; H2O CWC S/U; CWC INIT #1; MEAL; CWC TERM; XFER PREP

DAY/NIGHT

ORBIT 9 10 11 12 13 14 15 16 17

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT: -ZLV -XVV; NC2; STBD SURVEY; NOSE SURVEY; PORT SURVEY

NOTES: *HTR ACT; *L OMS to RCS; *HEATER RCNFG *CONFIG; *MANUAL

FD02

GMT 02/08/08 (039) 20 21 22 23 02/09 01 02 03 04 05 06 07

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

STS-122

CDR FRICK	POR PWG SUR SVY, MNVR, ZLV, APCU 2@, EXERCISE, ICNCT*, NC3 +X RCS BURN, MNVR, ZLV, FLUTUDRE, PMC A/G	PRE SLEEP / SLEEP
PLT POINDEXTER	FILTER CLEANING, OMS POD SRVY, RNDZ TOOLS C/O, +X RCS BURN, FCMS C/O, CDMS/U, CDM ACT	PRE SLEEP / SLEEP
MS1 MELVIN	POR PWG SUR SVY, OBSS BERTH, LDRI DNLK, EXERCISE	PRE SLEEP / SLEEP
MS2 WALHEIM	EXERCISE, HHL C/O, SETUP C/L CAMR, +X RCS BURN	PRE SLEEP / SLEEP
MS3 SCHLEGEL	POR PWG SUR SVY, EXERCISE, SETUP C/L CAMR, ODS RING EXT, MUS	PRE SLEEP / SLEEP
MS4 LOVE	EXER CISE, OBSS BERTH, RNDZ TOOLS C/O, ODS RING EXT	PRE SLEEP / SLEEP
FE-2 EXP16 EYHARTS	MUS, MOP	PRE SLEEP / SLEEP

DAY/NIGHT

ORBIT 17 18 19 20 21 22 23 24 25

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT: BIAS -ZLV +YVV @ACT — NC3 — -ZLV -XVV

NOTES: *TK SWITCH: L to R OMS FEED

STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATI | CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

12:00

08:00

14 9

13:00

SLEEP | SLEEP | SLEEP

09:00

FD02 EZ ACTIVITIES:
OCAC FILTER INSPECTION
Hard Reboot all PGSCs

14:00

15 10

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | A8L PORT RMS HEATER B - AUTO POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

10:00

15:00

11:00

16 11

I'CNCT: L OMS TO RCS (OPCL, RCS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

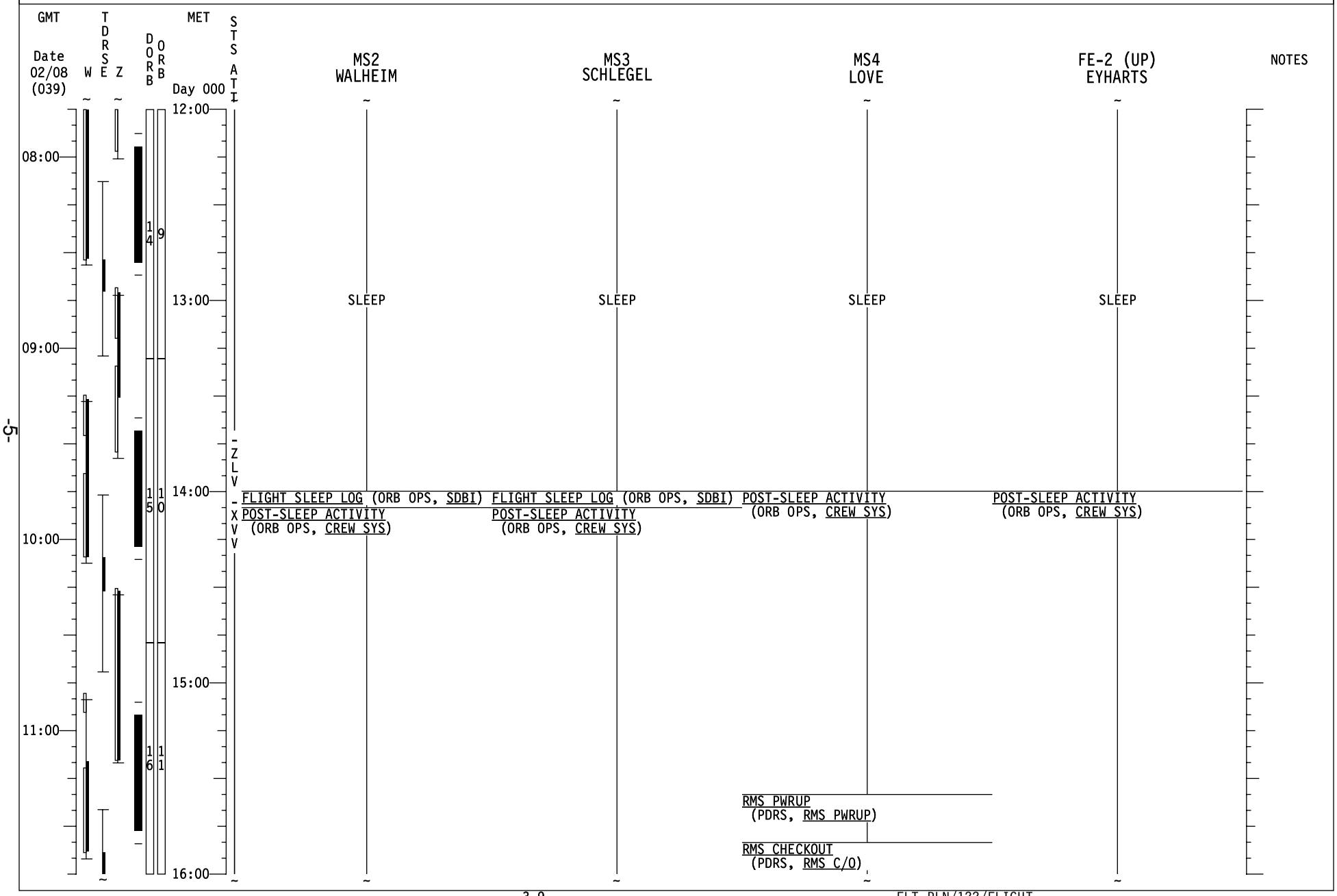
RMS PWRUP (PDRS, RMS PWRUP)

RMS CHECKOUT (PDRS, RMS C/O)

16:00

-ZLV-XVV

STS-122 FD (02)


GMT
Date 02/08 (039)
W
TDRSE
Z
DORB
ORB
MET
Day 000
STS ATT
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (UP) EYHARTS
NOTES
12:00
13:00
14:00
15:00
16:00
08:00
09:00
10:00
11:00
14
9
15
10
16
11
-ZLV
-XVV
SLEEP
SLEEP
SLEEP
SLEEP
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
FLIGHT SLEEP LOG (ORB OPS, SDBI)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
RMS PWRUP (PDRS, RMS PWRUP)
RMS CHECKOUT (PDRS, RMS C/O)

STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATT

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS CHECKOUT (PDRS, RMS C/O)	
ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPDATE ORBITAL MNVR PAD
< NC2 TIG (0/16:57:13)	< NC2 TIG (0/16:57:13)		
MNVR (TRK) BIAS -ZLV +XVV (Flat Field) TG=2 BV=5 P=90 Y=10 OM=123 A1/AUTO/VERN Init TRK	APCU CONFIG FOR OBSS UNBERTH [B] Expect 'S200 APCU2 VOLT LMT' Msg	SSV NOMINAL SETUP (PHOTO/TV, SSV) SSV OUTRATE - 4 Ref. MSG 001, Item 3	
RCS/OMS HEATER RECONFIG [A]	P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)	OBSS UNBERTH (PDRS, OBSS OPERATIONS)	
[A] A14 RCS/OMS HTR L POD A - OFF B - AUTO R POD A - OFF B - AUTO	[B] L12(SSP1) APCU 2 CONV - OFF(tb-bp) OUTPUT RLY - OP(tb-bp)		
IMU ALIGN - S TRK (ORB OPS, GNC)	CRYO O2 TK HTR SNSR CK (ORB OPS, EPS)		
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=310 A14/AUTO/VERN Init TRK			
OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	EXERCISE	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
	O2 REPRESS INIT OCAC OCAC PWR - OFF C5 DIRECT O2 vlv - OP		

NC2 | BIAS -ZLV +XVV | STBD SURVEY

12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00

DORB 1 6, 1 2, 2 3, 3 4 | ORB 1 1, 1 2, 1 3, 1 4

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STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATT

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

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

NC2 BIAS -ZLV +XVV STBD SURVEY

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	RMS CHECKOUT (PDRS, RMS C/O)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
ON-ORBIT OMS BURN (ORB OPS, OMS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		UPDATE ORBITAL MNVR PAD
< NC2 TIG (0/16:57:13)	PGSC SETUP (PART II) Setup the remaining PGSCs PGSC NETWORK (ORB OPS, PGSC) LOCKER STOWAGE UPDATE Update remaining PGSC locker stow with disk carried onboard except for OCA Router			
		OBSS UNBERTH (PDRS, OBSS OPERATIONS)		
	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP		CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	
EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		
EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs; Stow Wh & Sg ECOKS in EMUs when complete	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs; Stow Wh & Sg ECOKS in EMUs when complete			
			EXERCISE	

STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATT

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	O2 REPRESS TERM on MCC GO C5 DIRECT O2 vlv - CL OCAC OCAC PWR - ON MNVR (TRK) BIAS +XSI (Nose Cap) TG=4 BV=5 P=330 Y=0 OM=190 A14/AUTO/VERN Init TRK	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE		
	FC PURGE - MANUAL (ORB OPS, EPS) R2 BLR CNTLR/HTR (three) - B	DAILY TRANSFER LIST UPDATE Incorp uplinked Resupply List into Xfer Book Ref. MSG 003	
MEAL	MEAL	MEAL	
In step 3 of OBSS/LDRI RCC SURVEY-PORT MNVR TRK BIAS -YSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=145 A14/AUTO/VERN Init TRK OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	EMU PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	

Time scale: 16:00, 17:00, 18:00, 19:00; 20:00, 21:00, 22:00, 23:00, 00:00

Stations: NOSE SURVEY; PORT SURVEY

Orbits: 3, 4, 5, 6; 14, 15, 16, 17

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STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 000 | STS ATT

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (UP) EYHARTS	NOTES
EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs; Stow Wh & Sg ECOKS in EMUs when complete	EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs; Stow Wh & Sg ECOKS in EMUs when complete	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	EXERCISE	
EMU PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE	
			SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) CWC FILL #1 Ref. MSG 005, Fill Dur ~ 52 min	
MEAL	MEAL	MEAL	MEAL	
EMU PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	EMU PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION	
			TRANSFER OPS Ref. MSG 004	
		EXERCISE		

Time scale: 16:00, 17:00, 18:00, 19:00; Day 000: 20:00, 21:00, 22:00, 23:00, 00:00

NOSE SURVEY

PORT SURVEY

STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB | ORB | MET Day 001 | STS ATT

CDR FRICK	PLT POINDEXTER	MS1 MELVIN	NOTES
OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	FILTER CLEANING (IFM,SCHEDULED MAINTENANCE)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	
MNVR (TRK) BIAS -ZLV +YVV TG=2 BV=3 OM=290 A14/AUTO/VERN Init TRK		OBSS BERTH (PDRS, OBSS OPERATIONS)	
After OBSS BERTH complete: L12(SSP1) APCU 2 OUTPUT RLY - CL CONV - ON (tb-gray)	P/TV08 EXTERNAL SURVEY (S/U) (P/TV, SCENES) Step 1 P/TV08 EXTERNAL SURVEY (OPS) (P/TV, SCENES) Item 1	PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) LDRI SURVEYS KU TDRW: 00:38-00:50 TDRE: 01:06-02:01	TFL 192
EXERCISE	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)		
I'CNCT TK SWITCH: From L to R OMS FEED(OPCL,RCS) ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)	EXERCISE	TFL 188
< NC3 TIG (01/02:37:48) MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	< NC3 TIG (01/02:37:48) FCMS OPS (ORB OPS, EPS)		
FUTURE LOADED MNVR (-ZLV +YVV,Water Dump) TG=2 BV=3 OM=270 A1/AUTO/VERN (1/13:50) Init TRK		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
PRIVATE MEDICAL CONFERENCE Perform via A/G2	CDM SETUP & BATT C/O (ORB OPS, CDM DTO) Loc 1 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			

Time scale: 20:00, 21:00, 22:00, 23:00; MET 00:00, 01:00, 02:00, 03:00, 04:00

STS ATT: BIAS -ZLV +YVV; NC3; -ZLV -XVV

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

STS-122 FD (02)

GMT Date 02/08 (039) | W | TDRSE | Z | DORB 6 7 8 | ORB 17 18 19 | MET Day 001 | STS ATT

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | FE-2 (UP) EYHARTS | NOTES

00:00
20:00
01:00
21:00
02:00
22:00
03:00
23:00
04:00

BIAS -ZLV +YVV

EXERCISE

OBSS LDRI/IDC RCC SURVEY - PORT
(PDRS, OBSS OPERATIONS)

EXERCISE

OBSS BERTH
(PDRS, OBSS OPERATIONS)

EXERCISE

HANDHELD LIDAR C/O
(RNDZ, RNDZ TOOLS)

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

C/L CAMR INSTALL
(PHOTO/TV, C/L CAMR)

C/L CAMR INSTALL
(PHOTO/TV, C/L CAMR)

NC3

ON-ORBIT +X RCS BURN
(ORB OPS, RCS)

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)

< NC3 TIG (01/02:37:48)

MUS(LBP-MUS) QSTION(ASSY PL, QSTION)
MOTION PERCEPTION QSTION C FD2
(ASSY PAYLOADS, QUESTIONNAIRES)

LBP-MUSCLE QSTION(ASSY PL, QSTION)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

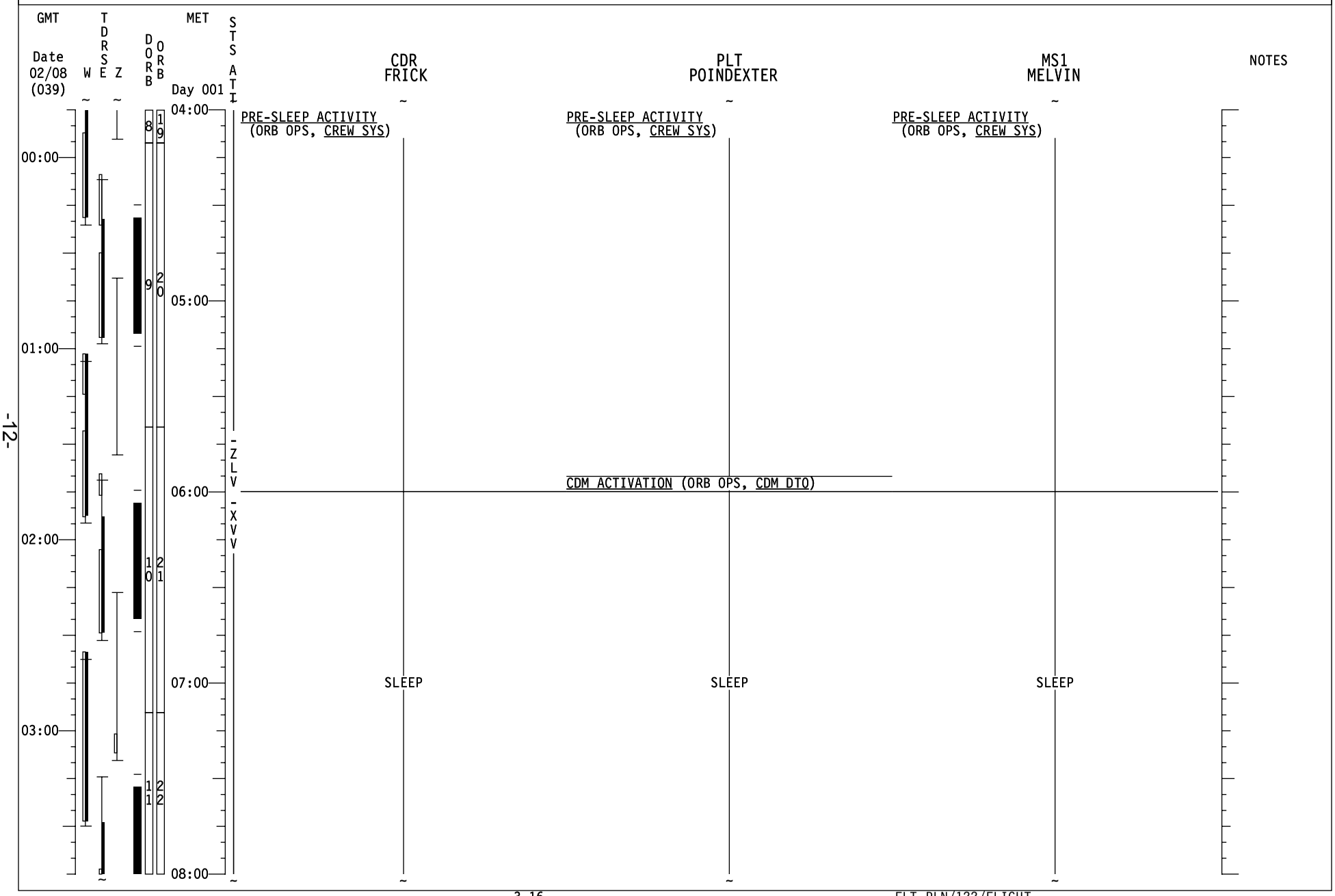
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

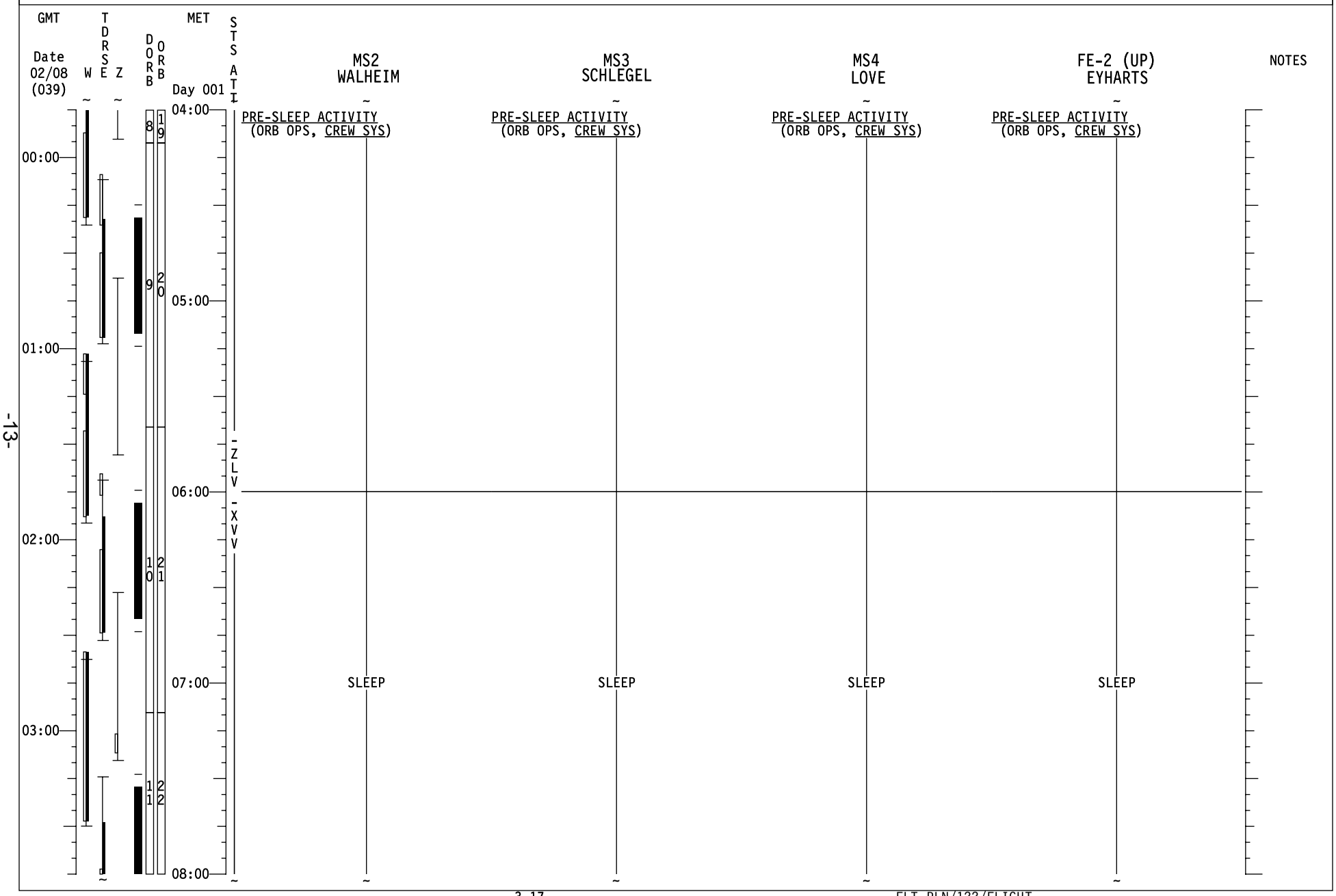
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

-ZLV -XVV

STS-122 FD (02)


GMT
Date 02/08 (039)
W
TDRSE
Z
DORB
ORB
MET
Day 001
STS ATT
CDR FRICK
PLT POINDEXTER
MS1 MELVIN
NOTES
04:00
05:00
06:00
07:00
08:00
00:00
01:00
02:00
03:00
8
9
10
11
19
20
21
22
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
-ZLV
-XVV
CDM ACTIVATION (ORB OPS, CDM DTO)
SLEEP
SLEEP
SLEEP

STS-122 FD (02)


GMT
Date 02/08 (039)
W
TDRSE
Z
DORB
ORB
MET
Day 001
STS ATT
MS2 WALHEIM
MS3 SCHLEGEL
MS4 LOVE
FE-2 (UP) EYHARTS
NOTES
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
8
9
10
11
19
20
21
22
-ZLV-XVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP

Good Morning Atlantis!

Congratulations on a spectacular launch! Everyone is so very happy that you were the winner in the race with the front!

YOUR CURRENT ORBIT IS: 132 X 125 NM

NOTAMS:

EDW – LAKEBED RUNWAYS RED.
NOR – LAKEBED RUNWAYS GREEN.
NKT – RWYS 05L/23R + 14L/32R NOT USABLE.
HAW – RWY 31 CLOSED; RWY 13 TODA 8,994'.
WAK – NOT USABLE.
IKF – NOT USABLE.
AWG – NOT USABLE.
DIW – TACAN OTS.
LAJ – TACAN CH 45 OTS.
NGU – TACAN CHANNEL CHANGED TO CH 22.
JDG – DIEGO GARCIA: CLOSED 1800 - 0100Z.
BEN – POLITICALLY NOT RECOMMENDED/NOT SUPPORTED.
DOV – 14/32 CLOSED.
ZZA – FIRST 600M (~2,000') OF RWY 30L NOT AVAILABLE. 10,200' REMAINING.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 17 – 1/00:37 (SCT300 060/6P10)
EDW22 ORB 33 – 2/00:30 (FEW120 BKN200 060/6P11)

PRIOR TO NH:

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

OMS QUANTITIES(%)

L OMS OX = 52.0 R OMS OX = 51.2
FU = 52.0 FU = 51.0

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

END OF PAGE 1 OF 2, MSG 002

DELTA V AVAILABLE:

OMS	497 FPS
ARCS (TOTAL ABOVE QTY1)	59 FPS
TOTAL IN THE AFT	556 FPS
ARCS (TOTAL ABOVE QTY2)	87 FPS
FRCS (ABOVE QTY 1)	42 FPS
AFT QTY 1	88 %
AFT QTY 2	51 %

AFTER NH:

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 = 34.0 R OMS OX = 34.4
FU = 34.2 FU = 34.2

DELTA V AVAILABLE:

OMS	319 FPS
ARCS (TOTAL ABOVE QTY1)	33 FPS
TOTAL IN THE AFT	352 FPS
ARCS (TOTAL ABOVE QTY2)	61 FPS
FRCS (ABOVE QTY 1)	27 FPS
AFT QTY 1	82 %
AFT QTY 2	44 %

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

END OF PAGE 2 OF 2, MSG 002

Leo, below are instructions for your FD02 XFER PREP activity. This activity will pack two jettison stowage bags with Transfer items from various locations in the MDDK. One of these jett bags will contain Immune Kits you'll use tomorrow morning for your SLVA activity, your personal items and PFE Covers you'll use during the PBA PFEX activity on FD05. This activity also packs the ISS crewmember's ECOK (EVA Crew Options Kit) mesh bags for transfer.

1. Retrieve two jettison stowage bags from 10MLE (Bag A).
    a. Label them "Jettison Stowage Bag #1" and "Jettison Stowage Bag #2".

2. Pack items in jettison stowage bags per the Tables 1 & 2 below.

Table 1: Jettison Stowage Bag #1

☑	Item #	Item	Qty	Wt (lbs)	Initial Location	Temp Stow
	26	Jettison Stowage Bag #1	1	1.8	MD FLOOR PORT (Bag A) {In ziplock}	Middeck Temp Stow
	26.1	CSA-CP RESUPPLY KIT	1 kit	4	MD FLOOR PORT (Bag A)	Middeck Temp Stow {in Jettison Stowage Bag 1}
	26.2	Mounting Strip Assembly W/O PLA	1 ziplock	1.2		
	26.3	9V Battery	8 batteries in 1 ziplock	1		
	26.4	Particle Flux	1	4		
	26.5	VOA OMI KIT	1 kit	26		
	26.6	12 Ga Wire p/n M22759/11-12-9	1 ziplock	2	LW MAR	
	26.7	T-RAD Nozzle 5" [s/n 1004]	1	0.5	MA9D/F	
	26.8	A31p 60 GB Hard Drive [PGSC, S/N 1148]	1	0.365	MDDK Deployed (Used for ET Umbilical Imagery)	
	26.9	3 Amp FUSE [p/n F60C500V3A]	1 ziplock	0.02	MA16G	
	26.10	Food	1	1		
	26.11	ISS TRANSFER [Portable Microphone]	1 ziplock	0.99		
	26.12	Movie DVD	1	NA		
	26.13	FOR PEGGY [Two pairs of pants]	1 ziplock	2	MF43O in MS4's clothing locker	
	26.14	EVA Grease Gun	1 ziplock	8	Window Shade Bag	

Table 2: Jettison Stowage Bag #2

☑	Item #	Item	Qty	Wt (lbs)	Initial Location	Temp Stow
	27	Jettison Stowage Bag #2	1	1.8	MD FLOOR PORT (Bag A) {In ziplock}	Middeck Temp Stow
	27.1	L. Eyharts Crew Preference	0.5 CTB	11	MD FLOOR PORT (Bag A)	Middeck Temp Stow {in Jettison Stowage Bag 2}
	27.2	PFE COVER-2	1 ziplock	2		
	27.3	EYHARTS ATHLETIC SHOES	1 pair	2	MD CEIL STBD 2 (Bag H)	
	27.4	ISS Medical Accessory Kit (IMAK, S/N 1039)	1	2	MF57K (in 1.0 CTB)	
	27.5	Integrated Immune Saliva Collection Kit Integrated Immune Blood Collection Kit Formaldehyde Monitor Kit	1 ziplock	8	MF28G (in 1.0 CTB)	

3. Retrieve ziplocks from LW MAR and pack in mesh bags labeled “ECOK (MK)” and “ECOK (WT)” per Table 3.

Table 3: Configure ECOKs

☑	Item #	Item	Qty	Wt (lbs)	Initial Location	Temp Stow
	2	ECOK (MK)	1 mesh bag	8	LW MAR	Middeck Temp Stow
	2.1	MK 1 OF 3	1 ziplock			Middeck Temp Stow {in ECOK (MK)}
	2.2	MK 2 OF 3	1 ziplock			
	2.3	MK 3 OF 3	1 ziplock			
	3	ECOK (WT)	1 mesh bag	8		Middeck Temp Stow
	3.1	WT 1 OF 3	1 ziplock			Middeck Temp Stow {in ECOK (WT)}
	3.2	WT 2 OF 3	1 ziplock			
	3.3	WT 3 OF 3	1 ziplock			

4. Temp stow jettison stowage bags (2) and ECOK mesh bags (2) on Middeck for transfer upon hatch open.

5. **Upon completion of this procedure, mark items complete in the Transfer List and call down completed item #s to MCC-H (ACO Transfer).**
   NOTE: Item #s in this table are the same as in the Transfer List.

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CWC FILLS

	CWC No.	Input S/N Used	Sample?	Additives	CWC Label	CWC Launch Location
☐	1		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	2		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	3		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	4		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	5		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	6		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	7		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	8		Sample (Note A)	Ag Biocide, Minerals	Blue (Pot)	Ref Note B
☐	9		Sample (Note A)	Ag Biocide	Green (Tech)	Ref Note C
☐	10		Sample (Note A)	Ag Biocide	Green (Tech)	Ref Note C
☐	11		Sample (Note A)	Ag Biocide	Green (Tech)	Ref Note D
☐	12		Sample (Note A)	Ag Biocide	Green (Tech)	Ref Note D
☐	13		Sample (Note A)	Ag Biocide	Green (Tech)	Ref Note D

Post-Fill Checklist:

- Check correct label is in CWC window
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐ 11☐ 12☐ 13☐
- Check correct decal on CWC end
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐ 11☐ 12☐ 13☐
- Check correct CWC S/N on end decal
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐ 11☐ 12☐ 13☐
- Report S/N to MCC
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐ 11☐ 12☐ 13☐
- Transfer CWC to NOD1D2
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐ 11☐ 12☐ 13☐
- Cap Transfer Hose QD between each fill

CWC Fill Notes:

A. Stow filled sample bags and purge bags in MF14E
B. In MD CEIL (STBD 1, BAG G); Available Potable S/N:
1082 ☐ 1083 ☐ 1084 ☐ 1085 ☐ 1086 ☐ 1087 ☐ 1088 ☐ 1089 ☐
C. Disinfect CWC QD and Transfer Hose QD prior to fill. In Pregathered Mesh Bag; Potable CWCs becoming Technical. Available S/Ns: 1008 ☐ 1050 ☐
D. Disinfect CWC QD and Transfer Hose QD prior to fill. In Pregathered Mesh Bag; Available Technical S/Ns: 1069 ☐ 1029 ☐ 1030 ☐
E. Also contained in Pregathered Mesh Bag are Condensate CWC S/N 5101 (do not use for CWC fills) and Ag Biocide Kit S/N 1006
F. Rough handling may cause leakage
G. Pregathered Mesh Bag is located in ISS NOD2D2, M-02 Bag S/N 1026

Kit	S/N	Launch Location	Undock Location	Notes
Ag Biocide Kit	1003	MF28G	ISS Transfer Staging Area	Use for fills 1-2 and 9-13 and transfer to ISS
Ag Biocide Kit	1006	Pregathered Mesh Bag	MF28G	Use for fills 3-8 and return in MD CEIL (STBD 1, BAG G)
Mineralization Kit	1001	MF28G	MF28G	Use for all potable CWC fills
Sample/Purge Kit	1004	MF28G	MF14E	Use for fills 1-13

PWR OPS

	PWR No.	PWR S/N	Launch Location	Actions
☐	1	1032	MD CEIL (STBD 1, BAG G)	Fill and transfer to ISS A/L1D1_A1
☐	2	2004 (OGS)	MD CEIL (STBD 1, BAG G)	Fill and transfer to ISS A/L1D1_B2
☐	3	1023	A/L1D1_A1	Vent, fill and transfer to ISS A/L1D1_A1
☐	4	1024	A/L1D1_A1	Vent, fill and transfer to ISS A/L1D1_A1
☐	5	1025	A/L1D1_B2	Vent, fill and transfer to ISS A/L1D1_B2
☐	6	1026	A/L1D1	Vent, fill and transfer to ISS A/L1D1_B2
☐	7	1027	A/L1D1_A2	Vent, fill and transfer to ISS A/L1D1_A2
☐	8	1012	A/L1D1_A2	Post EVA2, vent, fill and transfer to ISS A/L1D1_A2

PWR Fill Notes: Do not detach PWR (EMU H2O Recharge Bag) QD restraint during PWR ops

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Per pre-flight agreements for tin whisker mitigation, please perform the following RCS jet reprioritizations:

GNC 23 RCS

ITEM 1 EXEC - select the FWD page
ITEM 22 EXEC (twice) - place F1D in last priority
ITEM 26 EXEC (twice) - place F2D in last priority
ITEM 30 EXEC (twice) - place F1F in last priority
ITEM 34 EXEC (twice) - place F2F in last priority
ITEM 4 + 4 EXEC - update Pri Jet Fail Limit to 4

ITEM 2 EXEC - select the LEFT page
ITEM 8 EXEC (twice) - place L4L in last priority
ITEM 12 EXEC (twice) - place L3L in last priority
ITEM 16 EXEC (twice) - place L4U in last priority
ITEM 28 EXEC (twice) - place L3D in last priority
ITEM 24 EXEC (twice) - place L4D in last priority
ITEM 30 EXEC (twice) - place L3A in last priority

ITEM 3 EXEC - select the RIGHT page
ITEM 8 EXEC (twice) - place R4R in last priority
ITEM 12 EXEC (twice) - place R3R in last priority
ITEM 16 EXEC (twice) - place R4U in last priority
ITEM 28 EXEC (twice) - place R3D in last priority
ITEM 24 EXEC (twice) - place R4D in last priority
ITEM 32 EXEC (twice) - place R3A in last priority