# STS-114/LF1

## *FD 12 Execute Package*

| MSG | Page(s) | Title |
|---|---|---|
| 147B | 1 - 12 | FD12 Flight Plan Revision **(pdf)** |
| 148 | 13 - 14 | FD12 Mission Summary **(pdf)** |
| 149 | 15 | FD12 Water Activity Summary **(pdf)** |

***Approved by FAO:*** *L. DeLapp*
***OPS Plan:*** *J. Aldape*

*Last Updated: Aug 5 2005 11:47PM GMT*
***JEDI*** *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX


| MSG NO. | TITLE |
|---|---|
| 147 | FD12 Flight Plan Revision |
| 148 | FD12 Mission Summary (11-0745) |
| 149 | FD12 Water Activity Summary |


1. R1 CRYO O2, H2 MANF VLV TK2 (two) - OP (tb - OP)
   O2 TK1 HTRS A - AUTO
   H2 TK1 HTRS A, B (two) - AUTO
   O2 TK3 HTRS A - OFF
   H2 TK3 HTRS A, B (two) - OFF

2. Please perform the following actions to override the Forward RCS manifold statuses to OPEN prior to entering the RNDZ C/L for undocking:

   GNC 23 RCS
   RCS FWD – ITEM 1 EXEC (*)
   MANF VLVS STAT OVRD
   1 OP – ITEM 40 EXEC
   2 OP – ITEM 41 EXEC
   3 OP – ITEM 42 EXEC
   4 OP – ITEM 43 EXEC

3. Per preflight agreement between the Entry FD and CDR, actions have been added to your flight plan prior to sleep on FD12. These actions will result in a cabin environment similar to that expected during the night before entry. The target is a cabin temperature of 70 deg F at wakeup. If the cabin gets too cold during your sleep period adjust Cabin Temp Controller as desired. Prepare for sleep accordingly. Please provide your assessment of the cabin temperature the following morning.

4. MMT Summary: The MMT convened today for a record 28 minutes. The MMT has no restrictions for undock on FD12. Please let us know if you have any questions.

5. There are no exercise constraints for FD12.

6. REPLACE PAGES 2-24A THROUGH 2-25 AND 3-128 THROUGH 3-135.

08/05/05 18:19:35 **REPLANNED**

GMT 08/06/05 (218) 03 04 05 06 07 08 09 10 11 12 13 14

MET Day 010 12 13 14 15 16 17 18 19 20 21 22 23 011/00

**FD12**

**STS-114**

| | |
|---|---|
| CDR COLLINS | POST SLEEP; O2 INIT; POST; SLEEP; MAEDS*; O2 ETERM; FAREL; WEL; EGRS HATCH CLS; FES*; RCS; GRPB; PWRUP; MPLM^; ATTHO*; MNVR; UNDCK; UNDOCK; OPS; FLYAROUND; ^SEP1; ^SEP2; MDUMP; MNVR; GRPB*; APCU1*; MEAL; APCU1*; OFF DUTY; EXERCISE; OFF DUTY; PRE SLEEP; PFC; PRE; SLEEP |
| PLT KELLY | POST SLEEP; FAREL; WEL; EXERCISE; GRPB; PWRUP; UNDOCK; OPS; FLYAROUND; ILLUM; OFF; GRPB*; MADS; MEAL; OFF DUTY; WASTE; WINSTE; OFF DUTY; WASTE; TERM; COND; INIT; OFF DUTY; MPLM^; PFC; PRE; SLEEP; COND; TERM |
| MS1 NOGUCHI | POST SLEEP - GIRA; FAREL; WEL; P/TV04 EGRS OPS; P/TV03 S/U; C/L CMR INSTL; P/TV03 OPS; P/TV 03*; MEAL; EXERCISE; OFF DUTY; PFC; OFF DUTY; PRE SLEEP - GIRA |
| MS2 ROBINSON | POST SLEEP; FAREL; WEL; PGSC S/U RNDZ TOOLS; EXERCISE; UNDOCK; OPS; FLYAROUND; MEAL; OFF DUTY; PFC A/G; OFF DUTY; PRE SLEEP |
| MS3 THOMAS | POST SLEEP; FAREL; WEL; EGRS HATCH CLS; ODS VEST LK CK; FMK*; UNDOCK; OPS; FLYAROUND; RMS; PWDN; COMM*; MEAL; PFC; OFF DUTY; EXERCISE; OFF DUTY; PRE SLEEP |
| MS4 LAWRENCE | POST SLEEP; FAREL; WEL; EGRS HATCH CLS; ODS VEST LK CK; C/L CMR INSTL; UNDOCK; OPS; FLYAROUND; VTR PB; MEAL; OFF DUTY; PFC A/G; OFF DUTY; EXERCISE; PRE SLEEP |
| MS5 CAMARDA | POST SLEEP; MDK; FAREL; WEL; PGSC S/U RNDZ TOOLS; HL AUD B/O; UNDOCK; OPS; FLYAROUND; SSOR; DEACT; MEAL; OFF DUTY; EXERCISE; OFF DUTY; PFC; OFF DUTY; MDK; PRE SLEEP |
| ISS CDR KRIKALEV | POSTSLEEP; PREP; WORK; FAREL; WEL; EGRS HATCH CLS; DPC; HL AUD B/O; ♣; ⊕; ♦; ®; MIDDAY-MEAL; ♥; IMS; TVIS |
| FE-1 PHILLIPS | POSTSLEEP; PREP; WORK; FAREL; WEL; EGRS HATCH CLS; DPC; Δ; ⊕; PMA2-DEPRESS; MIDDAY-MEAL; ♠; CDRA; •; ∇; ◊; ϕ; ♥; *; EXERCISE CEVIS; ♣ |

UNDOCK*

DAY/NIGHT

ORBIT 166 167 168 169 170 171 172 173 174

TDRS E -46.0 W -171.0 Z -275.0

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

NOTES:
*HTR ACT
*STARTUP
^HTR ON
ΔIFM-SCOPEMETER-RLCT
*CMG TO STS
*DEPLOY
♣C&T-ROS-COMM-CNFG
⊕ACS-PMA2-DEP-THRSTR
♦АСУ-ШЛАНГ-R&R
®СГО-АСУ-МП-Ф-В-R&R
*POWERDOWN
*ACT
*DEACT
*COMM 1 STRING C/O
*DEACT
♠PMA2-DEPRESS
•C&T-VTR-CBL-NOM-CNFG
∇MSS-RWS CABLE-DSCNCT
◊C&T-RS-US COM-CNFG
♥PROGRAM MNGT-CONF
ϕPMA2-DEPRESS
*A/L-CCAA-DEACT-SPPT
^HTR OFF
♣EXERCISE R

*** UNDOCK 10/16:45**

08/05/05 18:19:35

# ISS-11 SHORT TERM PLAN PAYLOAD PAGE

CT 08/05/05 (217) 22 23 08/06 01 02 03 04 05 06 07 08 09

GMT 08/06/05 (218) 03 04 05 06 07 08 09 10 11 12 13 14

**ISS**

| | |
|---|---|
| DAY/NIGHT | |
| ORBIT | 2353 2354 2355 2356 2357 2358 2359 2360 2361 |
| DAILY ORBIT | 16 1 2 3 4 5 6 7 8 |
| TDRS AVAIL | |
| VHF | ALL VHF ALL VHF ALL VHF ALL VHF ALL VHF |

**KUS**

FAREWELL
OCA-MAIL-SYNC
LOCK-OPS-RECORDER
IMS-AUTO-IMPRT/EXPRT

**SYS**

C&DH-POST-MODE-XTION
UNDOCK

**SBD**

CDRA DEACT
MSS-POWERUP
C&DH-INH VALIDITY-CK
C&T-AUDIO-HRDLN-CNFG
STS/ISS-HATCH-CLOSE
C&T-VIDEO CNFG
FAREWELL
ISS-PWR-DWN
C&DH-POST-MODE-XTION
DPC
PPS-P6-SA-AUTO
ACS-CMG-DATA-DUMP
ACS-CMG/STS ATT-H/O
LOCK-OPS-RECORDER
SDMS-UNDOCKING
ACS-PRE-DEP-THRSTR
C&T-KU-BD-PARK
PPS-SA-FTHR
ACS-PMA2-DEP-THRSTR
RS-CONTG-TLM
C&DH-UNDOCK-CNFG
ACS-POST-DEP-THRSTR
PPS-SA-AUTOTRACK
ACS-UDG-POSN-GIMBAL
CHT-22-PWR-UP
ISS-PWR UP
ITCS-LTL-STPT-CHG
C&T-VIDEO-DECONFG
MSS-POWERDOWN
C&T-KU-BD-UNPARK
A/L CCAA DEACT
CPO-MAMS DATA-D/L
ACS-H/O-RS-TO-US-MM
C&T-UHF1-DEACT
C&T-RS-US COM-CNFG
PMA2-HTR-RECONFIG
ACS-GPS-RCNF
PROGRAM MNGT-CONF
ACS-CCDB PARAM-U/D
AR-MCA RAPID-SMPL

**UNDOCK***

**UNPL**

EXPRS1-SYS-PWR/THERM
EXPRS4-SYS-PWR/THERM
MAMS-P/L-NOM OPS
SAMS-ICU/D1-OPS
SAMS-RTS/D1-OPS
SAMS-RTS/D2-OPS
PRO-EXPRS FILE-CMD
CPO-MAMS DATA-D/L
PRO-RACK-RECONFIG

**RS**

СЭП-АБ-FULL CHRG
ISS MODE-PROX-XTION
СУДН-ОГНИ-LIGHTS ON
С-СОСБ-СБ-FEATHER
Ф-СОСБ-СБ-FEATHER
Ф-СОГБ-JOINT OPS
С-СОГБ-COMB MODE
ISS MODE-STND-XTION
СЭП-АБ-PART CHRG

2-24В

FLT PLN/114/FLIGHT

08/05/05 18:19:35 **REPLANNED**

GMT 08/06/05 (218) FD12 — MET Day 011

| | | 011/00 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 08/07 | 01 | 02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | |

STS-114

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CDR COLLINS | MNVR | -ZLV | PRE SLEEP | PMC OCA | PRE SLEEP | SLEEP | | | | | | | FD13 POST SLEEP | MPLM^ POST SLEEP |
| PLT KELLY | PRE SLEEP | | | | | SLEEP | | | | | | | SALIVA | POST SLEEP |
| MS1 NOGUCHI | PRE SLEEP - GIRA | | | | | SLEEP | | | | | | | | POST SLEEP - GIRA |
| MS2 ROBINSON | PRE SLEEP | | | | | SLEEP | | | | | | | | POST SLEEP |
| MS3 THOMAS | PRE SLEEP | | | | | SLEEP | | | | | | | | POST SLEEP |
| MS4 LAWRENCE | PRE SLEEP | | | | | SLEEP | | | | | | | SALIVA | LOG POST SLEEP |
| MS5 CAMARDA | PRE SLEEP | | | | | SLEEP | | | | | | | SALIVA | LOG POST SLEEP |

DAY/NIGHT

ORBIT: 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182

TDRS: E -46.0, W -171.0, Z -275.0

MIL

DFR

ORB ATT: -ZLV -XVV

NOTES: ^HTR ON

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB 166 167 168 169 | MET Day 010 | STS ATI

**FD12**

| MET | CDR COLLINS | PLT KELLY | MS1 NOGUCHI | MS2 ROBINSON | MCC |
|---|---|---|---|---|---|
| 12:00 | | **FD12 EZ ACTIVITIES**<br>HARD REBOOT PGSCs (not WLES)<br>OCAC FILTER INSPECT<br>L17 CHECK MCIU FILTER SCREEN<br>TEPC (STATUS CK)<br>(ORB OPS, CREW SYS) | | | |
| 03:00 | POST-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | POST SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | |
| 13:00 | 3.105 O2 REPRESS (INIT)<br>(JOINT OPS, MATED OPS)<br>Steps 1-6, Skip Steps 3&4<br>MCC will TMBU s/w limits | CONFIG ODS DRAG THROUGHS | GALLEY MORNING CONFIG<br>(ORB OPS, ECLS) | | |
| 04:00 | POST-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS)<br>A6L: MADS STRAIN GAGE - ON<br>L1 TOP EVAP HTR DUCT sel-A<br>NOZ L,R -A AUTO<br>3.105 O2 REPRESS (TERM)<br>(JOINT OPS, MATED OPS)<br>Steps 7-10<br>MCC will TMBU s/w limits | | | | |
| | | | SSV OUT RATE = 3 | | TFL 192 |
| | FAREWELL | FAREWELL | FAREWELL | FAREWELL | |
| 14:00 | 4.104 DUCT REMOVAL & HATCH<br>CLOSE (BYPASS CONFIG)<br>(JOINT OPS, EGRESS STATION) | | P/TV04 INGRESS/EGRESS (OPS)<br>(PHOTO/TV, SCENES) | PGSC FD12 SETUP<br>Ref. MSG 123 | |
| 05:00 | | EXERCISE | P/TV03 UNDOCK (S/U)<br>(PHOTO/TV, SCENES) | | |
| 15:00 | TOPPING FES STARTUP (ORB OPS, ECLS)<br>Step 2 using FLASH EVAP CNTLR PRI A<br>MCC will TMBU req'd limit changes<br>FORWARD RCS STATUS<br>REF. MSG 147 ITEM 2<br>PRIORITY PWRUP GRP B [A]<br>(ORB PKT, PRIOR PWRDN) | PRIORITY PWRUP GRP B [A]<br>(ORB PKT, PRIOR PWRDN) | C/L CAMR INSTALL<br>(PHOTO/TV, C/L CAMR)<br>Step 1 ONLY | EXERCISE | |
| 06:00 | SSP1 MPLM CH 1,2 HTR PWR-ON (tb-gray)<br>3.110 H/O ATT CONTROL CMG TO ORB<br>(JOINT OPS, MATED OPS)<br>MNVR (TRK) UNDOCK ATT<br>TG=2 BV=5 P=180 Y=0 OM=0<br>A12/AUTO/VERN Init TRK (10/15:45) | | | | |
| 16:00 | | | | | |

[A]
O6 S TKR PWR -Z -ON
GNC CRT I/O RESET
Steps 12 & 6 ONLY
In Step 12: Recover IMU 3
After IMU/IMU Align
Unmask IMU 3 BITE: SPEC 21, ITEM 26 EXEC
In Step 6: Triple G2 NBAT 1233

BIAS-XLV-ZVV

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB 166 167 168 169 | MET Day 010 | STS ATI

FD12

| MET | MS3 THOMAS | MS4 LAWRENCE | MS5 CAMARDA | MCC |
|---|---|---|---|---|
| 12:00 | | | | |
| 03:00 | | | | |
| | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | |
| 13:00 | | | | |
| 04:00 | | | | |
| | | | MIDDECK STATUS CHECKS (ASSY OPS, CUE CARD) | |
| | FAREWELL | FAREWELL | FAREWELL | |
| 14:00 | 4.104 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG) (JOINT OPS, EGRESS STATION) | 4.104 DUCT REMOVAL & HATCH CLOSE (BYPASS CONFIG) (JOINT OPS, EGRESS STATION) | PGSC FD12 SETUP Ref. MSG 123 | |
| 05:00 | | | | |
| | 4.103 ODS VEST/PMA DEPRESS & HATCH LEAK CHECK (JOINT OPS, EGRESS STATION) Depressing Vestibule ONLY | 4.103 ODS VEST/PMA DEPRESS & HATCH LEAK CHECK (JOINT OPS, EGRESS STATION) Depressing Vestibule ONLY | | |
| 15:00 | | | 6.104 HARDLINE AUDIO CONFIG (ISS) BACKOUT (JOINT OPS, COMM/DATA) Steps 1,3,4 | |
| 06:00 | FORMALDEHYDE MONITOR KIT (ORB OPS, CREW SYS) Steps 1-6 | C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Step 1 ONLY | | |
| 16:00 | | | | |

BIAS-XLV-ZVV

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB 169 170 171 | MET Day 010 | STS ATI

| MET | CDR COLLINS | PLT KELLY | MS1 NOGUCHI | MS2 ROBINSON | MCC |
|---|---|---|---|---|---|
| 16:00 | UNDOCKING/SEPARATION TIMELINE (RNDZ, UNDOCK/SEP TIMELINE) | UNDOCKING/SEPARATION TIMELINE (RNDZ, UNDOCK/SEP TIMELINE) | P/TV03 UNDOCK (OPS) (PHOTO/TV, SCENES) | UNDOCKING/SEPARATION TIMELINE (RNDZ, UNDOCK/SEP TIMELINE) | |
| 07:00 | | | | | |
| UNDOCK | < UNDOCK (16:45) | | | | |
| 17:00 | | | | | |
| 08:00 | SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE) | SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE) | | SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE) | UPLINK β21° + B1 BOX B1 -35<AZ<45 -35<EL<40 |
| FLYAROUND | | | | | |
| 18:00 | < SEP 1 (18:01) | | | | UPLINK β21° +MASK |
| 09:00 | | A Steps 5,6,9,10 & 12 In Step 6: Single G2 In Step 12:IMU 3 STBY-ITEM 23 EXEC | | | TFL 184 |
| | < SEP 2 (18:29) | | | | |
| BIAS -ZLV +YVV | MNVR (TRK) BIAS -ZLV +YVV TG=2 BV=3 OM=310 A1/AUTO/VERN Init TRK | TV ILLUMINATOR OPS (PHOTO/TV, CUE CARD) ILLUMINATORS OFF - A,B,C,D | P/TV03 UNDOCK (DEACT) (PHOTO/TV, SCENES) | | |
| | PRIORITY PWRDN GRP B A (ORB PKT, PRIOR PWRDN) | PRIORITY PWRDN GRP B A (ORB PKT, PRIOR PWRDN) | | | |
| 19:00 | √MCC:APCU 1 ACT (ASSY OPS, APCU) | A6L: MADS STRAIN GAGE - PCM ENA | | | |
| 10:00 | MEAL | MEAL | MEAL | MEAL | |
| 20:00 | | | | | |

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB 169 170 171 | MET Day 010 | STS ATI

MS3 THOMAS | MS4 LAWRENCE | MS5 CAMARDA | MCC

16:00

UNDOCKING/SEPARATION TIMELINE (RNDZ, UNDOCK/SEP TIMELINE)

UNDOCKING/SEPARATION T/L (RNDZ, UNDOCK/SEP TIMELINE)

UNDOCKING/SEPARATION T/L (RNDZ, UNDOCK/SEP TIMELINE)

07:00

UNDOCK

< UNDOCK (16:45)

17:00

SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE)

SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE)

SEP/FLYAROUND (RNDZ, UNDOCK/SEP TIMELINE)

08:00

FLYAROUND

18:00

< SEP 1 (18:01)

09:00

< SEP 2 (18:29)

RMS PWRDN (PDRS, RMS PWRDN) STOW MPMs

PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARDS) Undocking

6.106 SSOR DEACTIVATION (JOINT OPS, COMM/DATA)

COMM STRING 1 C/O (PART A) (ORB OPS, COMM/INST)

BIAS-ZLV+YVV

19:00

1.101 MPLM ENVIRONMENT CHECK (MPLM, NOMINAL) Steps 1 & 4 Note: Pressure Check (NO fan)

10:00

MEAL

MEAL

MEAL

20:00

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB | MET Day 010 | STS ATI

11:00 12:00 13:00 14:00

172 173 174

BIAS-ZLV+YVV

| MET | CDR COLLINS | PLT KELLY | MS1 NOGUCHI | MS2 ROBINSON | MCC |
|---|---|---|---|---|---|
| 20:00 | √MCC:APCU 1 DEACT (ASSY OPS, APCU) | MEAL | | OFF DUTY | |
| | OFF DUTY | OFF DUTY | EXERCISE | 06 √UHF MODE - OFF<br>PRIVATE FAMILY CONFERENCE | |
| | | SUPPLY/WASTE WATER DUMP<br>(ORB OPS, ECLS)<br>Initiate Waste Dump<br>REF. MSG 149 | | | UPDATE<br>H2O WASTE<br>DUMP QTY |
| 21:00 | | | | | |
| | EXERCISE | OFF DUTY<br>SUPPLY/WASTE WATER DUMP<br>(ORB OPS, ECLS)<br>Terminate Waste Dump | OFF DUTY | | |
| | | CWC OVERBOARD DUMP (INIT)<br>(ORB OPS, ECLS)<br>REF. MSG 149 | NETMEETING SETUP<br>(ORB OPS, PGSC) - PFC | OFF DUTY | OCA-PFC |
| 22:00 | | | | | |
| | OFF DUTY | OFF DUTY | OFF DUTY | | |
| 23:00 | | SSP1 MPLM CH 1,2 HTR PWR-OFF(tb-bp) | | | |
| | PRE-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | NETMEETING SETUP<br>(ORB OPS, PGSC) - PFC | PRE-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | | OCA-PFC |
| | NETMEETING SETUP<br>(ORB OPS, PGSC) - PFC | PRE-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | GALLEY OVERNIGHT CONFIG<br>(ORB OPS, ECLS) | PRE-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | OCA-PFC |
| | PRE-SLEEP ACTIVITY<br>(ORB OPS, CREW SYS) | CWC OVERBOARD DUMP (TERM)<br>(ORB OPS, ECLS) | | | |
| 00:00 | | | | | |

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB | MET Day 010 | STS ATI

11:00 12:00 13:00 14:00

ORB: 172 173 174

BIAS - ZLV + YVV

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

| MS3 THOMAS | MS4 LAWRENCE | MS5 CAMARDA | MCC |
|---|---|---|---|
| NETMEETING SETUP (ORB OPS, PGSC) - PFC | | OFF DUTY | |
| OFF DUTY | OFF DUTY | EXERCISE | |
| | 06 √UHF MODE - OFF<br>PRIVATE FAMILY CONFERENCE | | |
| EXERCISE | OFF DUTY | OFF DUTY | |
| | | NETMEETING SETUP (ORB OPS, PGSC) - PFC | |
| OFF DUTY | EXERCISE | OFF DUTY | |
| | | MIDDECK STATUS CHECKS (ASSY OPS, CUE CARD) | |
| PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | |

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB | MET Day 011 | STS ATT

CDR COLLINS | PLT KELLY | MS1 NOGUCHI | MS2 ROBINSON | MCC

00:00 — MNVR (TRK) -ZLV -XVV
TG=2 BV=3 OM=0
A1/AUTO/VERN Init TRK

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

NETMEETING SETUP (ORB OPS, PGSC) - PMC

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)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

GALLEY OVERNIGHT CONFIG (ORB OPS, ECLS)

PRESLEEP CABIN TEMP CONFIG
R12 √VPU PWR-OFF (LED-off)
Minimize use of P/TV equipment. Dim cabin lighting to 25%
L1 CAB TEMP sel
adj rotary to 10 o'clock posn

-ZLV -XVV

**CREW WAKEUP MET 11/10:00**

SLEEP | SLEEP | SLEEP | SLEEP

OCA-PMC

15:00 — 174
16:00 — 175
17:00 — 176
18:00 — 177

01:00 — 02:00 — 03:00 — 04:00

# STS-114 LF1 (FD 12)

**REPLANNED**

GMT Date 08/06 (218) | TDRS E W Z | ORB 174 175 176 177 | MET Day 011 | STS ATT -ZLV -XVV

| MET | MS3 THOMAS | MS4 LAWRENCE | MS5 CAMARDA | MCC |
|---|---|---|---|---|
| 00:00 | | | | |
| 01:00 | PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) | |
| 02:00 | **CREW WAKEUP MET 11/10:00** | | | |
| 03:00 | SLEEP | SLEEP | SLEEP | |
| 04:00 | | | | |

GMT: 15:00, 16:00, 17:00, 18:00

Good Morning Discovery!

Transfer is finished! Now, those are really happy words with which to start out a day!

When you look at today's timeline you will see that an O2 repress has been inserted early in the work day and that undock has been moved up one hour earlier. You will also notice that your PFCs have been moved around some because of comm coverage. They are all there, just at slightly different times than you might have thought.

It is hard to say good-bye to friends, but as you are saying your good-byes to John and Sergei, just remember that there are a lot of folks who are waiting with excitement to say hello to you!

Have a great day!

YOUR CURRENT ORBIT IS: 194 X 188 NM

NOTAMS:

EDWARDS (EDW) - LAKEBED RWY 15 GREEN, RWY 18 CLOSED
WHITE SANDS (NOR) - LAKEBEDS GREEN
OCEANA (NTU) - RWY 23L/05R CLOSED
HALIFAX (YHZ) - RWY 06/24 CLOSED
GUAM (GUA) - RWY 06L/24R CLOSED
RIO GALLEGOS (AWG) - NOT APPROVED
ELMENDORF (EDF) - RWY 06/24 CLOSED
HOLOMON TACAN (HMN) 92X INOP
CHERRY POINT TACAN (EWN) 83X INOP

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 172 - 10/20:52
EDW22 ORB 188 - 11/21:19

OMS TANK FAIL CAPABILITY:

L OMS FAILS: NO
R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

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

CURRENT OMS QUANTITIES(%)

L OMS OX = 34.0 R OMS OX = 33.8
FU = 34.4 FU = 34.5

DELTA V AVAILABLE:

| | |
|---|---|
| OMS | 327 FPS |
| ARCS (TOTAL ABOVE QTY1) | 40 FPS |
| TOTAL IN THE AFT | 367 FPS |
| ARCS (TOTAL ABOVE QTY2) | 69 FPS |
| FRCS (ABOVE QTY 1) | 27 FPS |
| AFT QTY 1 | 81 % |
| AFT QTY 2 | 44 % |

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

MSG 149 - FD12 WATER ACTIVITY SUMMARY

FD12 Water Activities Summary:

The following will be dumped sequentially through the waste dump line: the waste tank, any remaining water in the leaking Technical Water CWC (S/N 1012), and 2 Shuttle Condensate CWCs (S/N 5050, 6008). The procedure flow will be to start in the SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS), and during the post waste dump nozzle bakeout to 250 degF, set up for the CWC OVERBOARD DUMP (ORB OPS, ECLS).

FD12 Water Activity Details:

Prior to the waste water dump scheduled at 10/20:45, pregather the following:

Leaking Technical Water CWC S/N 1012 (temp stowed after CWC Dump on FD11)

Shuttle Condensate CWC S/N 5050 (temp stowed after Shuttle Condensate Collection Changeout on FD10)

Shuttle Condensate CWC S/N 6008 (temp stowed after Shuttle Condensate Collection Teardown on FD11)

Waste Water Dump (WWD) Filter from the Shuttle BOB (MF14H)

CWC (Yellow-Yellow 20 ft) hose from Shuttle CHCK

At MET 10/20:45, perform a waste water dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS), p. 5-2 Steps E, G, and I #1 and I #2. Dump the waste tank to 5%. Nozzle open time will be ~37 minutes. MCC will TMBU all FDA limits.

After step I #2 of SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) is complete, exit that procedure and begin dumping the remaining water in leaking CWC S/N 1012 starting in Step A DUMP PREP of CWC OVERBOARD DUMP (ORB OPS, ECLS) p. 5-32. Do not perform steps B, C, and H. Sequentially dump CWC S/N 1012, Shuttle Condensate CWC S/N 5050, and Shuttle Condensate CWC S/N 6008. MCC will TMBU all FDA.

Leaking CWC S/N 1012 dump duration will depend on how much water is left in the bag, but should take no longer than 20 minutes. CWC S/N 5050 dump duration will be approx. 63 minutes. CWC S/N 6008 dump duration will be approx. 16 minutes.

Post dump, the CWC stowage locations will be:

Leaking Technical Water CWC S/N 1012 should be placed back in the Russian trash bag and secured with grey tape. Stow the Russian trash bag in the Port Middeck Floor Bag #1

Shuttle Condensate CWC S/N 5050 to MF14E

Shuttle Condensate CWC S/N 6008 to MF43G

For CWC Fills today: This space intentionally blank. Thanks for all the great work!