STS-120/10A

FD 02 Execute Package

MSG	Page(s)	Title
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004	14 - 15	FD02 Mission Summary **(pdf)**
005	16	FD02 Transfer Message **(pdf)**
006	17	FD02 Survey Deltas **(pdf)**
007	18	Post EVA EMU Glove Photo Reference Procedures **(pdf)**
008	19	FD02 EVA C/L and ISS EVA Systems C/L Deltas **(pdf)**

Approved by FAO: *Roger Smith*

Last Updated: Oct 24 2007 3:54AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
003	FD02 Flight Plan Revision
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008	FD02 EVA C/L and ISS EVA Systems C/L Deltas

1. For the **FC PURGE - MANUAL (ORB OPS, EPS)** procedure**:** In Step 2 for FC 3 the 'O2 FLOW' is not valid due to failed flowmeter; complete 2 min purge as written.

2. For Paolo: Since the Carbon Dioxide Monitor (CDM) Battery Changeout was performed on FD1, please confirm that the battery launched in the CDM was marked as "Spare," per Step 8 of CDM SETUP AND BATTERY CHANGEOUT (ORB OPS, CDM DTO) p. FS 11-3. Report final status to MCC-H.

3. We believe that the only failure with the PGSC network was with the A31P Power Supply cable to the WINDECOM docking station and that the rest of the network is operating nominally. Did you swap out the docking station on the WINDECOM PGSC? Are there any other failures with the laptops or the network?

4. We've scheduled an Umbilical Well D/L shortly after postsleep because we were unable to find the Umbilical Well images on the laptops last night.

5. 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 OCA 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

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

GMT 10/24/07 (297) 04 05 06 07 08 09 10 11 12 13 14 15
β=-45 12 13 14 15 16 17 18 19 20 21 22 23 001/00
MET Day 000

STS-120 2

FD02 **R3** CDR MELROY	SLEEP	LOG	POST SLEEP	OMS POD	MRCS*	NC2Δ OMS BURN	-ZLV	+XVV	IMU	I-CNCT	MNVR	STBD	FC*	WSB^	CRYO O2 SNSR CK	MNVR	NOSE	MEAL	MNVR	PORT	PORT WING SRVY		
R2 PLT ZAMKA	SLEEP	LOG	POST SLEEP	OMS BURN	P/TV01 VIDEO SETUP						EXERCISE			NOSE CAP SURVEY				MEAL	PORT WING SRVY				
R2, R1 MS1 PARAZYNSKI	SLEEP	LOG	POST SLEEP	OBSS UNBERTH					STBD WING SRVY				EMU C/O PREP	MEAL	EMU C/O				EVA XFER PREP ISS				
R2, R1 MS2 WILSON	SLEEP	LOG	POST SLEEP	P/TV01 VIDEO SETUP					STBD WING SRVY					NOSE CAP SURVEY				MEAL	PORT WING SRVY				
MS3 WHEELOCK	SLEEP	LOG	POST SLEEP	ERG SETUP	UMB WELL D/L			EXERCISE					EMU C/O PREP	MEAL	EMU C/O				EVA XFER PREP ISS				
R1, R2 MS4 NESPOLI	SLEEP	LOG	POST SLEEP	OBSS UNBERTH					STBD WING SRVY					NOSE CAP SURVEY				MEAL	CDM BAT	UNSTOW*		EXERCISE	
MS5 TANI	SLEEP	LOG	POST SLEEP	ERG SETUP	EXERCISE								SAFER C/O	MEAL	* EMU C/O				EVA XFER PREP ISS				

DAY/NIGHT

ORBIT	9	10	11	12	13	14	15	16
DAILY ORBIT	14	15	16	1	2	3	4	5

TDRS W -171 / E -46 / Z -275

ORB ATT: -ZLV -XVV | NC2 | OBSS | STBD | NOSE | PORT

NOTES: *REG RCNFG; *MANUAL PURGE; ^CNTLR SWAP; * EMU C/O COMM; *SALIVA

10/23/07 22:34:44 **REPLANNED**

GMT 10/24/07 (297) β=-47 MET Day 001

16 17 18 19 20 21 22 23 10/25 01 02 03
001/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-120

FD02																		
CDR MELROY	♣	RCS	BIAS -ZSI	EXERCISE	CWC S/U	PRE SLEEP	I'CNCT	NC3Δ RCS BURN	-ZLV -XVV	FUTMVR ⊕	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP				
PLT ZAMKA	PORT	OBSS BERTH	APCU*	FCMS OPS	FILTER CLEANING	PRE SLEEP	RCS BURN	PRE SLEEP	SLEEP									
MS1 PARAZYNSKI	XFER ISS	EXERCISE	RNDZ TOOLS C/O	PRE SLEEP	SLEEP													
MS2 WILSON	♦	OBSS BERTH	C/L CAMR INST	ODS RING EXT	OMS POD SURV	EXERCISE	PRE SLEEP	SLEEP										
MS3 WHEELOCK	®	C/L CAMR INST	ODS RING EXT	TRANSFER PREP	PRE SLEEP	SLEEP												
MS4 NESPOLI	LDRI PLBK	RNDZ TOOLS C/O	PRE SLEEP	CDM*	SLEEP													
MS5 TANI	EVA XFER	UNSTOW*	PRE SLEEP	SLEEP														

DAY/NIGHT

ORBIT	17	18	19	20	21	22	23	24
DAILY ORBIT	6	7	8	9	10	11	12	13

TDRS W -171 E -46 Z -275

ORB ATT: PORT | BIAS -ZSI | NC3 | -ZLV -XVV

NOTES
♣PORT WING SRVY *Saliva ⊕I'CNCT RETURN *ACT
♦PORT WING SRVY
®EVA XFER PREP ISS *ACT

3

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATI | CDR MELROY | PLT ZAMKA | MS1 PARAZYNSKI | Notes

04:00 | 05:00 | 06:00 | 07:00

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

9 | 10 | 11

SLEEP | SLEEP | SLEEP

FD02 EZ ACTIVITES
OCAC Filter Inspection
Hard Reboot PGSCs
(Except WLES & RPOP 2)

ML86B: C cb MNA EXT ARLK HTR LINE ZN 1,2 (two) -op
cb MNB EXT ARLK HTR LINE ZN 1,2 (two) -cl

- ZLV
- XVV

FLIGHT SLEEP LOG (ORB OPS, SDBI) | FLIGHT SLEEP LOG (ORB OPS, SDBI) | 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)

√HUM SEPs for H2O Accumulation

4

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATI

MS2 WILSON | MS3 WHEELOCK | MS4 NESPOLI | MS5 TANI | Notes

12:00 — 13:00 — 14:00 — 15:00 — 16:00

04:00 — 05:00 — 06:00 — 07:00

ORB: 9, 10, 11

STS ATI: -ZLV, -XVV

SLEEP (MS2)

SLEEP (MS3)

SLEEP (MS4)

SLEEP (MS5)

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)

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)

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATI

R3 CDR MELROY

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- OMS POD HEATER RECONFIG A
- RCS REG RCNFG (ORB OPS, RCS)
- ON-ORBIT OMS BURN (ORB OPS, OMS)
- < NC2 TIG (17:14)
- MNVR (TRK) BIAS -ZLV +XVV (OBSS) TG=2 BV=3 OM=115 A1/AUTO/VERN Init TRK
- IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
- I'CNCT: L OMS TO RCS (OPCL, RCS)
- MNVR (TRK) BIAS +YSI (STBD SURVEY) TG=4 BV=5 P=0 Y=40 OM=130 A14/AUTO/VERN,On MCC GO,Init TRK
- FC PURGE - MANUAL (ORB OPS, EPS) Ref: MSG 003, Item 1
- R2 BLR CNTLR/HTR (three) - B
- CRYO 02 TK HTR SNSR CK (ORB OPS, EPS)

R2 PLT ZAMKA

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- ON-ORBIT OMS BURN (ORB OPS, OMS)
- P/TV01 VIDEO SETUP (PHOTO/TV, SCENES) Perform rest of setup. (Step 7 required for survey)
- EXERCISE

R2,R1 MS1 PARAZYNSKI

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- OBSS UNBERTH (PDRS, NOMINAL) In Step 2 for APCU: SSPTS APCU DEACT (ORB OPS, EPS) For APCU 2 only
- OBSS LDRI/IDC RCC SURVEY-STBD (PDRS, NOMINAL) Ref: MSG 006

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

Notes: UPDATE ORBITAL MNVR PAD

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STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATI | R2,R1 MS2 WILSON | MS3 WHEELOCK | R1,R2 MS4 NESPOLI | MS5 TANI | Notes

08:00 | 09:00 | 10:00 | 11:00

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

11 | 12 | 13 | 14

STS ATI: -ZLV -XVV NC2 OBSS STBD

R2,R1

MS2 WILSON

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

P/TV01 VIDEO SETUP
(PHOTO/TV, SCENES)
Perform rest of setup
(Step 7 required for survey)

OBSS LDRI/IDC RCC SURVEY-STBD
(PDRS, NOMINAL)
Ref: MSG 006

MS3 WHEELOCK

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS) SETUP

UMBILICAL WELL TPS CAM IMGRY D/L
(ORB OPS, PGSC)

EXERCISE

R1,R2

MS4 NESPOLI

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

OBSS UNBERTH
(PDRS,NOMINAL)
In Step 2 for APCU:
SSPTS APCU DEACT(ORB OPS, EPS)
For APCU 2 only

OBSS LDRI/IDC RCC SURVEY-STBD
(PDRS, NOMINAL)
Ref: MSG 006

MS5 TANI

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS) SETUP

EXERCISE

7

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATT

R3 CDR MELROY | **R2** PLT ZAMKA | **R2,R1** MS1 PARAZYNSKI | Notes

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

ORB: 14, 15, 16

STS ATT: NOSE, PORT

20:00

MNVR (TRK) BIAS +XSI (N C SURVEY)
TG=4 BV=5 P=330 Y=0 OM=315
A14/AUTO/VERN, On MCC GO,Init TRK

OBSS LDRI/IDC RCC SURVEY-NOSE CAP
(PDRS, NOMINAL)

EMU CHECKOUT PREP
(EVA, AIRLOCK CONFIG)

21:00

MEAL

MEAL

MEAL

EMU CHECKOUT
(EVA, CHECKOUTS)
Perform for 2 EMUs

22:00

OBSS LDRI/IDC RCC SURVEY-PORT
(PDRS, NOMINAL)Ref: MSG 006

MNVR (TRK) BIAS -YSI (PORT SURVEY)
TG=4 BV=5 P=0 Y=323 OM=180
A14/AUTO/VERN, On MCC GO, Init TRK

OBSS LDRI/IDC RCC SURVEY-PORT
(PDRS, NOMINAL)Ref: MSG 006

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)
Ref: MSG 008

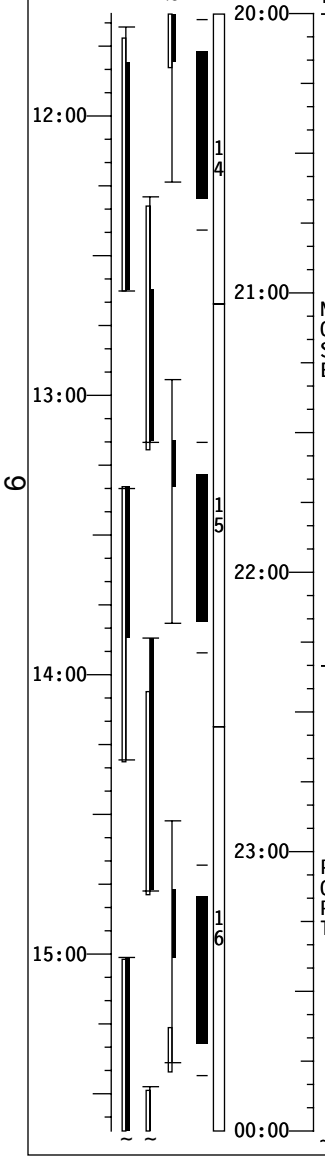
23:00

00:00

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 000 | STS ATT



R2,R1

MS2 WILSON

OBSS LDRI/IDC RCC SURVEY-NOSE CAP
(PDRS, NOMINAL)

MEAL

OBSS LDRI/IDC RCC SURVEY-PORT
(PDRS, NOMINAL)
Ref: MSG 006

MS3 WHEELOCK

EMU CHECKOUT PREP
(EVA, AIRLOCK CONFIG)

MEAL

EMU CHECKOUT
(EVA, CHECKOUTS)
Perform for 2 EMUs

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)
Ref: MSG 008

R1,R2

MS4 NESPOLI

OBSS LDRI/IDC RCC SURVEY-NOSE CAP
(PDRS, NOMINAL)

MEAL

CDM SETUP AND BATTERY CHANGEOUT
(ORB OPS, CDM DTO)
Perform Steps 1-4, 11-19
Attach CDM in Location 1

S/U FOR SALIVA SAMPLE COLLECT
(ORB OPS, SDBI)

EXERCISE

MS5 TANI

SAFER CHECKOUT
(EVA, CHECKOUTS)

MEAL

EMU CHECKOUT
(EVA, CHECKOUTS)
COMM CK
Perform for 2 EMUs

EVA PREP FOR TRANSFER TO ISS
(EVA, AIRLOCK CONFIG)
Ref: MSG 008

Notes

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STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 001 | STS ATI

R3 CDR MELROY	R2 PLT ZAMKA	R2,R1 MS1 PARAZYNSKI	Notes
OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, NOMINAL) Ref: MSG 006	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, NOMINAL) Ref: MSG 006	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG) Ref: MSG 008	
PORT: MO10W 14.7 CAB REG INLET SYS 1 vlv - CL; GNC 23 RCS	OBSS BERTH (PDRS, NOMINAL) Record Camera D		
ITEM 1 EXEC (Fwd Page) ITEM 34 EXEC - twice (Places F2F in last priority) ITEM 30 EXEC - twice (Places F1F in last priority) ITEM 4 + 3 EXEC (Updates PRI Jet Fail limit to 3)	A Ref: PLB FLOODLIGHT CONSTRAINTS (Cue Card)		
MNVR (TRK)BIAS -ZSI A TG=4 BV=5 P=45 Y=0 OM=180 A1/AUTO/VERN Init TRK	APCU 2 ACT B FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	B A15 APCU 2 OUTPUT - ON CONV - ON EXERCISE	
EXERCISE	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)		
BIAS-ZSI: SHUTTLE/ISS H2O CONTAINER FILL (ORB OPS, ECLS) Perform EQUIP PREP and WATER TRANSFER HOSE PURGE		RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	UPLINK TFL 192
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	UPLINK TFL 188
I'CNCT TK SWITCH: From L to R OMS FEED (OPCL, RCS)			
NC3: ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)		
< NC3 TIG (04:00)			

Time scale: 16:00, 17:00, 18:00, 19:00; 00:00, 01:00, 02:00, 03:00, 04:00

17, 18, 19

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 001 | STS ATI

R2,R1

MS2 WILSON	MS3 WHEELOCK
OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, NOMINAL) Ref: MSG 006	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG) Ref: MSG 008
OBSS BERTH (PDRS, NOMINAL) Record Camera D	
C/L CAMR INSTALL (PHOTO/TV, C/L CAMR)	C/L CAMR INSTALL (PHOTO/TV, C/L CAMR)
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)
P/TV08 EXTERNAL SRVY (S/U) (P/TV,SCENES) Step 1-Sunlit OMS POD P/TV08 EXTERNAL SRVY (OPS) (P/TV,SCENES) ITEM 1	
EXERCISE	TRANSFER PREP Ref: MSG 005
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

R1,R2

MS4 NESPOLI	MS5 TANI
PLAYBACK (DIGITAL) (PHOTO/TV, CUE CARD) LDRI SURVEYS	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG) Ref: MSG 008
RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	S/U FOR SALIVA SAMPLE COLLECT (ORB OPS, SDBI)
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

Notes

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

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

PORT BIAS-ZSI NC3

17 18 19

11

STS-120 FD02

REPLANNED

GMT Date 10/24 (297) | W | TDRSE | Z | ORB | MET Day 001 | STS ATI

CDR MELROY	PLT ZAMKA	MS1 PARAZYNSKI	Notes
ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
FUTURE LOADED MNVR A			
I'CNCT RETURN (OPS 2,3) (OPCL, RCS)			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
PRIVATE MEDICAL CONFERENCE 06 √UHF MODE - OFF			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
SLEEP	SLEEP	SLEEP	

A FUTURE LOADED MNVR (H2O DUMP)
TG=2 BV=3 OM=270
A1/AUTO/VERN (1/14:15) Init TRK

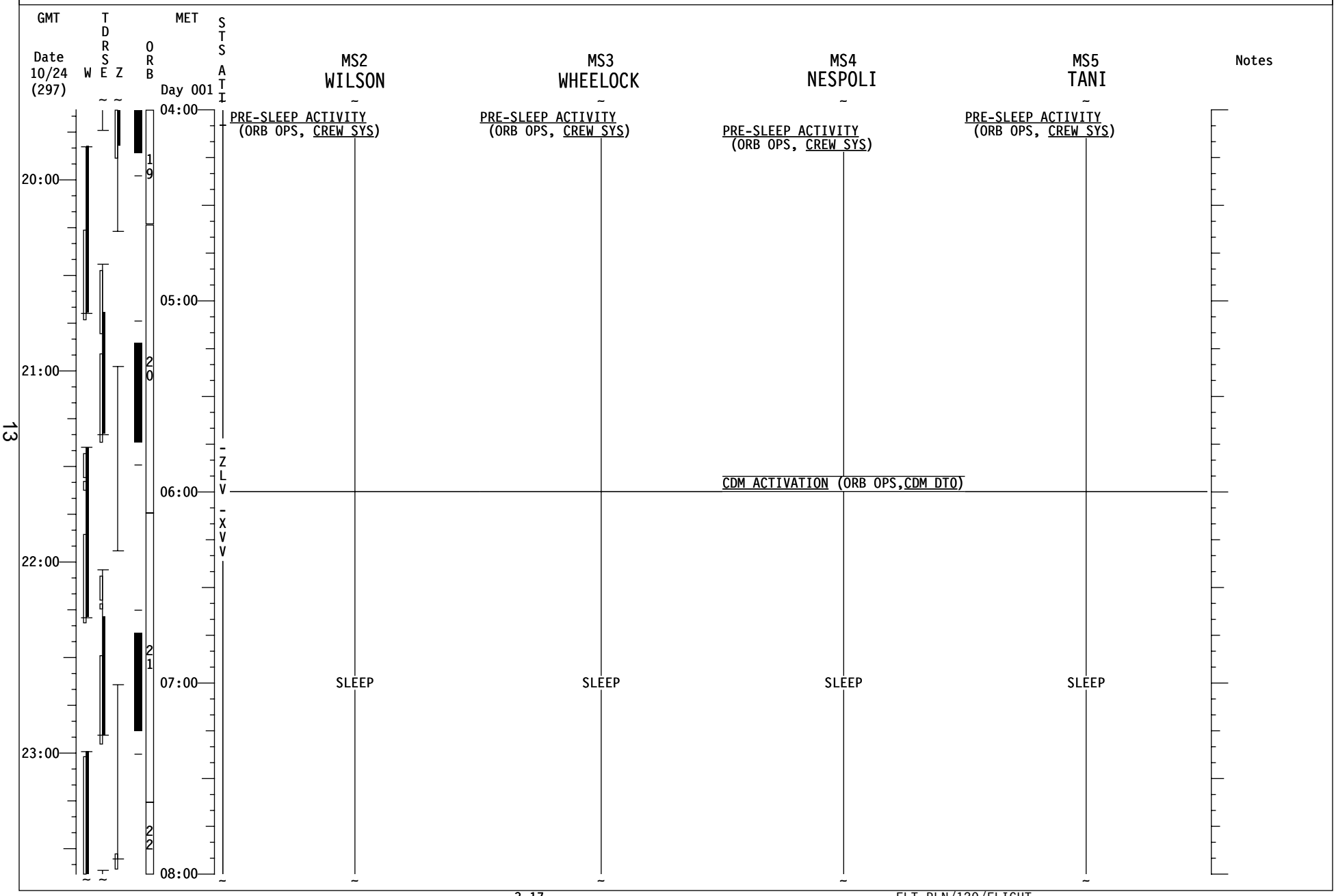
Time scale: 20:00, 21:00, 22:00, 23:00; 04:00, 05:00, 06:00, 07:00, 08:00

19, 20, 21, 22

-ZLV -XVV

STS-120 FD02

REPLANNED



Good Morning Discovery!!!

Your launch was fantastic! All of you did a great job on your first day in orbit. Your troubleshooting of the PGSCs was outstanding! Thank you!

FYI, most of the Planning team went outside to watch both shuttle and station fly over within minutes of each other. Beautiful!

YOUR CURRENT ORBIT IS: 172 X 160 NM

NOTAMS:

EDW – RWY 15/33 ELS ONLY. RWY 18L – CLOSED.
NOR – GREEN.
NTU - RWY 05R/23L CLOSED.
WAL – RWY 04/22 CLOSED.
FFA - ASCENT ONLY.
WAK & AMB - UNUSABLE
JDG – DIEGO GARCIA: OPS HOURS 0100 - 1800Z MON - FRIDAY ONLY.
IKF & AWG – NOT USABLE.
HAO – DME OUT
BEN – POLITICALLY NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 17 – 1/00:56 (SKC 050/8p14)
EDW22 ORB 33 – 2/01:12 (SKC VRB06)

OMS TANK FAIL CAPABILITY:

L OMS FAIL: YES R OMS FAIL: YES

LEAKING OMS PRPLT BURN:

L OMS LEAK: BURN OUT-OF-PLANE AN+77 <= TIG <= AN+28
OTHERWISE BURN RETROGRADE
R OMS LEAK: BURN OUT-OF-PLANE AN+78 <= TIG <= AN+28
OTHERWISE BURN RETROGRADE

OMS QUANTITIES(%)

L OMS OX = 37.5 R OMS OX = 37.3
FU = 37.1 FU = 37.2

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

DELTA V AVAILABLE:

OMS	348 FPS
ARCS (TOTAL ABOVE QTY1)	57 FPS
TOTAL IN THE AFT	405 FPS
ARCS (TOTAL ABOVE QTY2)	86 FPS
FRCS (ABOVE QTY 1)	41 FPS
AFT QTY 1	88 %
AFT QTY 2	50 %

SYSTEM	FAILURE	IMPACT	WORK AROUND
GNC	-Y Star Tracker annunciated a transient fail BITE at power up.	None.	None.

Good morning Doug, Stephanie, and Dan!

Surprise! We thought we'd treat you to an early transfer message! To help you with Doug's TRANSFER PREP time today, we've compiled a list of transfer items you'll want to have ready for XFER CARE PACK time on FD03. These are the critical and crew requested items (with rationale) that you discussed with Peggy and Clay during the transfer crew conference prior to launch. All items are on the 'RESUPPLY' tab. Please note there are no changes pages for incorporation today, nor is the electronic version of the transfer list on board yet; those will be uplinked per the nominal plan on FD3.

- **Item 107 -** Ziplock of miscellaneous hardware from Bag E - Contains ISS crew requested nitrile gloves
- **Item 108 -** OCA Docking Station and OCA card - ISS Crew requested early
- **Item 119 -** Ziplock of IMV hardware - Required for FD05 NODE 2 Ingress
- **Item 120 -** Photo TV Resupply bag - ISS Crew requested early
- **Item 138 -** CHeCS EHS/CMS Hardware - Hardware required as early as FD03
- **Item 140 -** Crew Care Package - Deliver to Peggy
- **Item 151 -** Jettison Stowage Bag of Integrated Immune hardware - STS crew requested to alleviate MDDK stowage

Happy Transfer Prep Day!
Your 10A Transfer team

The following deltas need to be implemented in the FD2 Surveys to improve IDC coverage of panels 9R, 13R, 9L, and 12L.

OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, NOMINAL)
At the top of page 7-17 before LCC/PGSC sel 'Scan Hi-Res', insert:
RHC RATE - VERN (RATE MIN tb-ON)

At the bottom of page 7-17 after L10(VTR) STOP pb - push (no red •), insert:
RHC RATE - COARSE (RATE MIN tb-OFF)

OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, NOMINAL)
At the bottom of page 7-40 before LCC/PGSC sel 'Scan Hi-Res', insert:
RHC RATE - VERN (RATE MIN tb-ON)

At the bottom of page 7-41 after L10(VTR) STOP pb - push (no red •), insert:
RHC RATE - COARSE (RATE MIN tb-OFF)

Also, please record Camera D during OBSS Berth.

Post EVA Glove Photos - Required

Camera Settings: Prefer pressurized; else with hands in gloves

A (Aperture priority), 60 mm lens, f16, Macro, flash tilted down per JEDI 15-1446 760 EVA Glove Inspection

Glove Photos Sequence:

1. CM identification (face, suit stripes, Velcro IDs)

   Left Glove

2. Full palm
3. Thumb (seam facing index finger)
4. Index finger (seam facing thumb)
5. Additional photos as warranted

   Right Glove

6. Full palm
7. Thumb (seam facing index finger)
8. Index finger (seam facing thumb)
9. Additional photos as warranted

Additional Photos

- Detail of any damaged Vectran
- Detail of missing or cut RTV

Guidelines:

- Squeeze finger caps and photograph any slices.
- Manipulate TMG to show best possible views of the damage
- If not obvious, point to area of interest/concern

Use of Back-up Gloves

- Switch to backup gloves for any reason – inform MCC
- MCC may require use of backup gloves if prime has damaged vectran or excessive RTV Loss. MCC decision will be made before Eq-Lk Prep.

Downlink Photos Post EVA

- Place photos in a clearly marked folder for easy EVA access

Full Palm

Thumb (seam facing index finger)

Index Finger (seam facing thumb)

Greetings from your EVA team! We have some pen and inks to the STS-120 EVA C/L and the ISS EVA Systems C/L (both are in Middeck MF57C).

For the STS-120 EVA C/L:

EVA, AIRLOCK CONFIG, FS 2-14, EVA PREP FOR TRANSFER TO ISS:
In the EVA Systems 1 Mesh Bag table, add ' ISS Depress/Repress Cue Card' to the item section in the Middeck MF57C location.

EVA, AIRLOCK CONFIG, FS 2-18, EVA PREP FOR TRANSFER TO SHUTTLE:
Add 'ISS Depress/Repress Cue Card' to the EVA Systems 1 Mesh Bag. Note, this will not be available until after EVA 5.

EVA, AIRLOCK CONFIG, FS 2-21, EVA STOW:
In step 3, add 'ISS Depress/Repress Cue Card' to the list of FDF/ODF items.

For the ISS EVA Systems C/L:

Post EVA:
For the STS-120 version of the ISS EVA Systems C/L, add to step 10A's action, Perform glove photos while pressurized "per message 007 (16-0030)" (Note: This is the same procedure that flew in the crew notebooks).

For the ISS version of the ISS EVA Systems C/L, add a new step 10A: "For 10A/10A stage, perform glove photos while pressurized per message 007 (16-0030)"

We also wanted to remind you to either keep your used TCUs, socks, wristlets, comfort gloves, etc. with your ECOKS or dispose of them in the Shuttle dirty laundry. We are short on certain items, especially the wristlets, and if they are disposed in the ISS laundry, they will not get returned to the ground.