DISTRIBUTION 'Q' **JOB NO. _____**
EXECUTE PACKAGE (STS-130/20A)
MISSION DISTRIBUTION LIST
REVISED: 01/06/10

BLDG 30S/ROOM 4312
(GO THROUGH 4312, TURN LEFT AND LEAVE IN BOX)
1 SPACE RADIATION ANALYSIS GROUP (SRAG)

BLDG 30S/ROOM 4301
BLUE MPSR
1 419S HAWK 1
1 414S OSO SUPPORT
1 418S PRO
1 413S ACE
1 410S RAVEN
1 417S POWER
1 416S TCON
1 415S STARCOM

BLDG 30S/ROOM 3308
1 306S MATS
2 303S POINTING
2 305S TIMELINE

BLDG 30S/ROOM 3307
1 302S RMS
1 348S MSS TASK & MSS SYS
2 301S EVA TASK

BLDG 30S/ROOM 3304
(KNOCK ON DOOR AND LEAVE IN BOX)
1 BIOMED

BLDG 30S/ROOM 3301
4 308S P/L SYSTEMS 1 AND 2/ JLO

BLDG 30S/ROOM 3301A
2 326S SPAN MGR

BLDG 30S/ROOM 2306
WHITE FCR
1 212S GC
1 211S ASC/RNDZ/ENT GPO
(AT THESE TIMES ONLY)
1 210S FDO
3 ACO/CIO
1 201S PROP
1 202S GNC
1 213S MMACS
1 214S EGIL
1 216S EECOM
2 215S FAO
1 203S DPS
1 205S INCO
1 209S FD
1 231S CAPCOM
1 217S PDRS
1 218S SURGEON
1 208S BOOSTER/EVA
1 207S MOD (Prior to dock and after undock)
2 206S PAO

BLDG 30S/ROOMS 2300 & 2334
WHITE MPSR
1 219S IFM
1 220S MECH
1 221S EPS
1 226S THERMAL
1 225S DPS SUPPORT
1 228S LIFE SUPPORT
1 223S INST
1 224S RF/DATA COMM
1 229S GNC/SENSORS
1 240S OREO/CONSUMABLES
1 241S MPS
1 237S NAV/ONAV
1 235S GSO/RPS
1 234S TARGET
1 232S LSO

BLDG 30M/ROOM 242
1 242 ESA
5 242 JAXA

BLDG 30M/ROOM 231
FCR 1 (Place in dist. rack by the GC console)
1 207M FD (Hand deliver to console)
1 206M CAPCOM
1 217M ADCO
1 201M BME/SURGEON
1 208M CATO
3 210M CIO
1 212M ECLSS
2 202M EVA/MOD
1 200M GC
1 213M ODIN
1 211M OPS PLAN
1 214M OSO
1 231M PAO
1 216M PHALCON
1 230M RIO
1 209M ROBO
1 215M THOR
1 205M TOPO

BLDG 30M/ROOM 240 (to 239 door)
1 4671 S/C METEOROLOGIST

BLDG 30M/ROOM 225A
2 ACTION CENTER

BLDG 30M/CSR ROOM 236
(INBASKET ON DESK)
15 CUSTOMER WORKSTATIONS

BLDG 30M/ROOM 212 (folder outside door))
1 ESC CAMERA

BLDG 30M/ROOM 313
1 TO51 LCS
1 T052 LCS
1 T057 SE&IO
1 T058 SPAN CONSOLE
10 MER ADMIN (DOUBLE-SIDED)

BLDG 30M/ROOM 336
(FOLDER OUTSIDE DOOR)
1 DOD REP

BLDG 30M/ROOM 127
1 163 COM TECH
1 168 HOUSTON TV

142 DOUBLE-SIDED

127+1 for file copy
TOTAL 128

NOTE: FOR ANY CHANGES TO THIS DISTRIBUTION, CALL X35197. CHANGES AND ADDITIONS TO ANY DISTRIBUTION LISTS MUST BE APPROVED BY THE SPAN MANAGER.

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STS-130 / 20A

FD 02 Execute Package

MSG	Page(s)	Title
003A	1 - 14	FD02 Flight Plan Revision
004A	15 - 16	FD02 Mission Summary
005	---	Daily Summary (Electronic only)
006	17 - 32	REF DATA FS Updates
007	33	FD02 Crew Choice Downlink

Approved by FAO:
A. Cofrin

Last Updated: Feb 8 2010 11:01 PM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*

C H I C K E N

In space, no one can hear your chicken scream.

MSG INDEX

MSG NO.	TITLE
MSG-003	FD02 Flight Plan Revision
MSG-004	FD02 Mission Summary
MSG-005	Daily Summary
MSG-006	Ref Data FS Updates
MSG-007	FD02 Crew Choice Downlink

1. Post-Sleep Cryo Config
   For today's Post-Sleep cryo config, O2 and H2 Tanks 1 and 5 will be active.

   A15 CRYO TK5 HTRS O2,H2 A,B (four) - AUTO

   R1 O2,H2 TK3 HTRS A,B (four) - OFF
   MANF VLV TK1 (two) - OP (tb-OP)

   Pre-Sleep Cryo Config
   √MCC for deltas prior to configuring for Pre-Sleep.

   For tonight's Pre-Sleep cryo config, Manifold 2 will be closed with O2 and H2 Tanks 2 and 4 active.

   A11 CRYO TK4 HTRS O2,H2 A,B (four) - AUTO

   A15 CRYO TK5 HTRS O2,H2 A,B (four) - OFF

   R1 O2,H2 TK2 HTRS A,B (four) - AUTO
   TK1 HTRS A,B (four) - OFF
   MANF VLV TK2 (two) - CL (tb-CL)

2. Yesterday, during the hand controller check and the manual augmented modes check of the RHC negative Yaw axis, the ground saw a little cross coupling with the pitch axis, ~14 counts. Prior to starting OBSS Unberth, an additional test of the negative Yaw axis is needed in order to confirm a good RHC with the following steps:

   DAP: VERN(FREE)

   SM 169 PDRS STATUS
   RATE - COARSE (RATE MIN tb-OFF)
   BRAKES - OFF
   MODE - TEST, ENTER
   RHC - negative Yaw, deflect hand controller gradually to hardstop
   √Commanded rates at full deflection = 4.7 deg/sec in Yaw only
   BRAKES - ON
   DAP: as reqd

3. Prior to running the Late Update Disk on the WLES and RPOP2 PGSCs, please make sure that all programs are shut down. This will ensure that the proper files are updated when the disk is run. Upon completion of the late update, restart WLES on both machines.

4. The battery of the DSR-25 in the VTR does not hold a charge, requiring you to reset the GMT on the recorder each day. To avoid this issue on future nights, change the PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) as follows:

   On page 3-4 in step 6, remove
   L10 (MUX) VTR/CC PWR - off (LED off)

5. Later this morning, you can expect a 'LOMS Tk P' message due to the reoccurrence of Endeavour's Left GN2 Accumulator leak. Please disregard this message.

   Today's only OMS Burn is NC-2, and with the slow leak rate of the accumulator the plan will be to use the engine to support NC-2 dual OMS. One additional note for you, our teams are working hard on a GMEM to lower the FDA of the LOMS Accumulator, and we plan to have that in place for future crew sleep periods if required.

6. MSG 006, REF DATA FS Updates, includes information about a number of last minute locker and middeck bag stowage changes. Use this message in place of REF DATA FS pages 1-1 through 1-16. The updates are indicated by change bars and include stowage changes to lockers A17, MF14H, MF43O, MF57C, MF57E, MF57G, MF57O, Bag E and Bag D.

7. To maximize DTV downlink time after OBSS Inspections complete: In OBSS Berth, perform all of page 7-52d including PTU stow. Once this is complete, DTV playback can commence in parallel with sensor deact steps on 7-53.

8. REPLACE PAGES 3-8 THROUGH 3-17.

02/08/10 16:43:32 **REPLANNED**

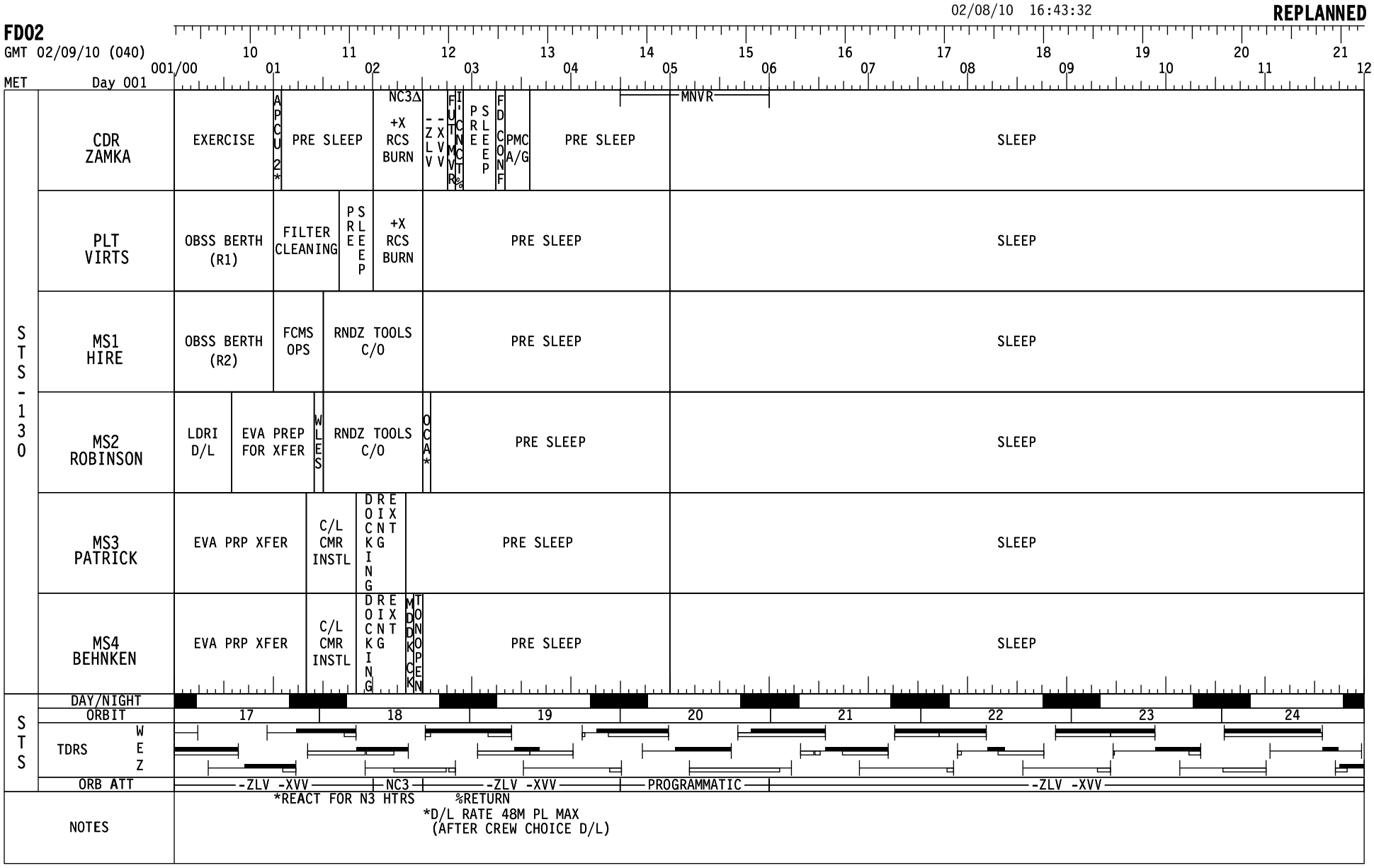
FD02

GMT 02/08/10 (039) 22 23 02/09 01 02 03 04 05 06 07 08 09

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

STS-130	CDR ZAMKA	SLEEP; LOG; POST SLEEP; AFT C/O; MCIU#; APCU2*; GRPB; PWRUP; NC2Δ OMS BURN; -ZLV -XVV; GRPB; PWRDN; POD*; IMU; WSB@; LOAD; DAPS; I'CNCT$; MNVR; STBD; STBD WING SURVEY (R3); MNVR; NOSE; NOSE CAP SURVEY (R1); PORT WING (R3); MEAL; -ZLV -XVV
	PLT VIRTS	SLEEP; LOG; POST SLEEP; OMS POD SURV; POST SLEEP; GRPB; PWRUP; OMS BURN; GRPB; PWRDN; FC PRG^; CRYO 02 SNSR CK; MIDDECK XFER PREP; MEAL; NOSE CAP SURVEY (R3); MNVR; PORT; PORT WING SURVEY (R1)
	MS1 HIRE	SLEEP; POST SLEEP; MINI CAM D/L; P/TVO1; VIDEO; SETUP; RHC C/O; POST SLEEP; OBSS UNBERTH; STBD WING SURVEY (R1); MEAL; PORT WING SURVEY (R2)
	MS2 ROBINSON	SLEEP; POST SLEEP; PGSC SETUP (PART II); EXERCISE; MEAL; NOSE CAP SURVEY (R2); PORT WING SURVEY (R3); EMU*; PORT WING SURVEY (R3)
	MS3 PATRICK	SLEEP; LOG; POST SLEEP; FRED SETUP; ERG SETUP; OBSS UNBERTH; EMU DRK BAG FIL; STBD WING SURVEY (R2); MEAL; EMU C/O PREP; EMU C/O; EVA PRP; XFER
	MS4 BEHNKEN	SLEEP; POST SLEEP; MDDK CK; ERG SETUP; POST SLEEP; CWC-I S/U; GALLEY*; EMU DRNK BAG FILL; GALLEY#; NLP VAC ACT 1; EXERCISE; MEAL; EMU C/O PREP; EMU C/O; EVA PRP; XFER
STS	DAY/NIGHT	
	ORBIT	9 10 11 12 13 14 15 16
	TDRS W E Z	
	ORB ATT	-ZLV -XVV; NC2; -ZLV -XVV; STBD SURVEY; NOSE SURVEY; PORT SURVEY
	NOTES	#FILTER CK @CNTLR SWAP #MORNING CONFIG *POWERUP & COMM CHECK *DISABLE PWR TO OBSS $R OMS TO RCS *A POD HTR RCNFG ^MANUAL *OVERNIGHT CONFIG

3


001/00 10 11 12 13 14 15 16 17 18 19 20 21
01 02 03 04 05 06 07 08 09 10 11 12
STS-130
CDR ZAMKA
EXERCISE
APCU2*
PRE SLEEP
NC3Δ +X RCS BURN
-ZLV
-XVV
FUTMVR
INCT%
PRE SLEEP
FDCONF
PMC A/G
PRE SLEEP
MNVR
SLEEP
PLT VIRTS
OBSS BERTH (R1)
FILTER CLEANING
PRE SLEEP
+X RCS BURN
PRE SLEEP
SLEEP
MS1 HIRE
OBSS BERTH (R2)
FCMS OPS
RNDZ TOOLS C/O
PRE SLEEP
SLEEP
MS2 ROBINSON
LDRI D/L
EVA PREP FOR XFER
WLES
RNDZ TOOLS C/O
OCA*
PRE SLEEP
SLEEP
MS3 PATRICK
EVA PRP XFER
C/L CMR INSTL
DOCKING
REXNTG
PRE SLEEP
SLEEP
MS4 BEHNKEN
EVA PRP XFER
C/L CMR INSTL
DOCKING
REXNTG
MDDKCK
TONOPEN
PRE SLEEP
SLEEP
DAY/NIGHT
ORBIT
17 18 19 20 21 22 23 24
TDRS
W
E
Z
ORB ATT
-ZLV -XVV
NC3
-ZLV -XVV
PROGRAMMATIC
-ZLV -XVV
*REACT FOR N3 HTRS
%RETURN
*D/L RATE 48M PL MAX
(AFTER CREW CHOICE D/L)
NOTES

4

STS-130 FD02

GMT Date 02/08 (039) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI | CDR ZAMKA | PLT VIRTS | MS1 HIRE | Notes

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

22:00 23:00 00:00 01:00

9 10 11

-ZLV -XVV

SLEEP

SLEEP

SLEEP

FD02 EZ ACTIVITIES:
√OCAC FILTER
TEPC (STATUS CHECK)
(ORB OPS, CREW SYS)
HARD REBOOT ALL PGSCs EXCEPT:
STS-6(WLES),STS-5(RPOP2),&
OCA ROUTER.

SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
√ HUM SEP FOR H2O ACCUMULATION

SLEEP LOGBOOK (ORB OPS, SDBI)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

P/TV08 EXTERNAL SURVEY
(PHOTO/TV, SCENES) OMS POD SURVEY
SETUP, Step 1. OPS, Item 1
Optimal Lighting: 15:16-15:57

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DIGITAL VIA VTR (MINI CAM)
(CUE CARD, DIGITAL PLAYBACK)
KU TDRW: 15:37-16:03

STS-130 FD02

GMT Date 02/08 (039)	MET Day 000	STS ATI	MS2 ROBINSON	MS3 PATRICK	MS4 BEHNKEN	Notes
22:00	12:00					
	13:00		SLEEP	SLEEP	SLEEP	
23:00	14:00	-ZLV -XVV	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (ORB OPS, SDBI) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
00:00	15:00					
01:00	16:00					

STS-130 FD02

GMT Date 02/09 (040) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATT | CDR ZAMKA | PLT VIRTS | MS1 HIRE | Notes

CDR ZAMKA

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
  - √ HUM SEP FOR H2O ACCUMULATION
- AFT CONTROLLER C/O (ORB OPS, GNC)
- L17 Check MCIU filter screen
- APCU 2: Disable Power to OBSS
  - A15 APCU 2 CONV - OFF
- PRIOR PWRUP GRP B (ORB PKT, PRIOR PWRDN)
  - Steps 12 (IMU 2),6 (Dual G2)
- ON-ORBIT OMS BURN (ORB OPS, OMS)
  - < NC2 TIG (17:15)
- MNVR (TRK) -ZLV -XVV
  - TGT=2 BV=3 OM=0
  - A1/AUTO/VERN, Init TRK
- PRIOR PWRDN GRP B (ORB PKT, PRIOR PWRDN)
  - Steps 6(Single G2) & 12(IMU 2 STBY)
- RCS/OMS POD HTR RECONFIG A
- IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)
- R2 BLR CNTLR/HTR (three) - B
- STS-130 DAP CONFIG (ORB OPS, DAP TABLES)
- I'CNCT: R OMS to RCS (OPCL, RCS)
- MNVR (TRK) BIAS +YSI (STBD SURVEY)
  - TGT=4 BV=5 P=0 Y=40 OM=50
  - A14/AUTO/VERN, OBSS Unberth Cmplt, Init TRK
- OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)

R3

PLT VIRTS

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- PRIOR PWRUP GRP B(ORB PKT, PRIOR PWRDN)
  - Steps 12 (IMU 2),6 (Dual G2)
- ON-ORBIT OMS BURN (ORB OPS, OMS)
- PRIOR PWRDN GRP B (ORB PKT, PRIOR PWRDN)
  - Steps 6(Single G2) & 12(IMU 2 STBY)
- FC PURGE - MANUAL (ORB OPS, EPS)
- CRYO 02 TANK HEATER SENSOR CHECK (ORB OPS, EPS)
- MIDDECK TRANSFER PREP

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

MEAL

MS1 HIRE

- P/TV01 VIDEO SETUP (PHOTO/TV, SCENES)
- RHC C/O Ref. MSG 003, Item 2
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- OBSS UNBERTH (PDRS, OBSS OPERATIONS)
- OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)

R1

Notes

- UPDATE ORBITAL MNVR PAD

STS-130 FD02

GMT Date 02/09 (040) | W E Z | TDRS | DO/NB | MET Day 000 | STS ATI

02:00 03:00 04:00 05:00

DO/NB: 11 12 13 14

STS ATI: -ZLV -XVV NC2 -ZLV -XVV STBD SURVEY

MET	MS2 ROBINSON	MS3 PATRICK	MS4 BEHNKEN	Notes
16:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
		FRED SETUP (ORB OPS, FRED) (Locker: MF71K)		
			GLACIER STATUS CHECK (ASSY OPS,CC)	
		CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	
17:00	PGSC SETUP (PART II) Setup the following: PGSC NETWORK (ORB OPS, PGSC) Setup remaining PGSCs PGSC HARD DISK LATE UPDATE (ORB OPS, PGSC) Update remaining PGSCs Ref. MSG 003, Item 3			
		OBSS UNBERTH (PDRS, OBSS OPERATIONS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
18:00			CWC-I FILL (ORB OPS, CWC OPS) Parts A-C Setup, Purge, and Teardown	
	EXERCISE			
			GALLEY OVERNIGHT CONFIG (ORB OPS,ECLS)	
		DIDB FILL -Fill 2 DIDBs from Bag "G" using galley cold water. Remove gas. Dispose fill tool in wet trash. Temp stow DIDBs in A/L.	DIDB FILL Fill 2 DIDBs from Bag "G" using galley cold water. Remove gas. Dispose of fill tool in wet trash. Temp stow DIDBs in A/L.	
		OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)		
19:00		R2	√All EVA drink bag fills complete,THEN: GALLEY MORNING CONFIG (ORB OPS,ECLS)	
			NLP ACTIVATION(ASSY OPS, P/L) Activate GAPs A-P	
			EXERCISE	
20:00	MEAL			

STS-130 FD02

GMT Date 02/09 (040) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATT

Time	CDR ZAMKA	PLT VIRTS	MS1 HIRE	Notes
20:00	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS) **R3**	MEAL	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS) **R1**	
06:00	MNVR (TRK) BIAS +XSI (NOSE CAP SURVEY) TGT=4 BV=5 P=331 Y=0 OM=105 A14/AUTO/VERN,RCC Srvy-STBD cmplt,Int TRK			
21:00	OBSS LDRI RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS) **R1**	OBSS LDRI RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS) **R3**	MEAL	
07:00			OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) **R2**	
22:00	OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) **R3**	MNVR (TRK) BIAS -YSI (PORT SURVEY) TGT=4 BV=5 P=0 Y=323 OM=95 A14/AUTO/VERN,RCC Srvy-PORT step 3 cmplt,Int TRK OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) **R1**		
08:00	MEAL			
23:00				
09:00	MNVR (TRK) -ZLV -XVV TGT=2 BV=3 OM=0 A14/AUTO/VERN, Init TRK			
00:00				

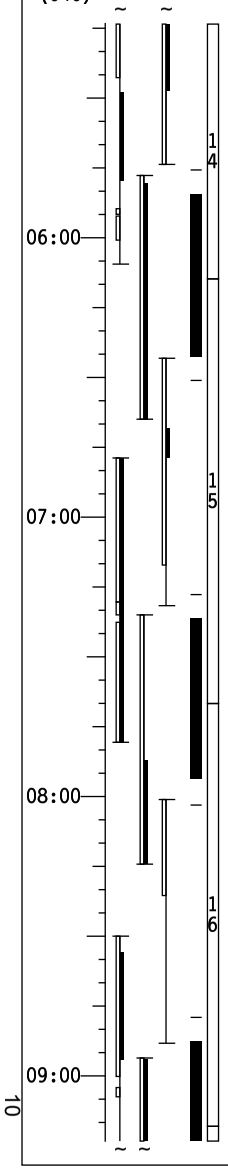
NOSE SURVEY

PORT SURVEY

6

STS-130 FD02

GMT Date 02/09 (040) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATT



Time	MS2 ROBINSON	MS3 PATRICK	MS4 BEHNKEN	Notes
20:00	MEAL	OBSS LDRI RCC SURVEY - STBD (PDRS, OBSS OPERATIONS) **R2**	EXERCISE	
21:00	OBSS LDRI RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS) **R2**	MEAL	MEAL	
22:00	OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) **R3**	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	
23:00	EMU CHECKOUT (EVA, CHECKOUTS) EMU P/U&COMM CK Steps10-14,19-23,94,95,99	EMU CHECKOUT (EVA, CHECKOUTS)	EMU CHECKOUT (EVA, CHECKOUTS)	
00:00	OBSS LDRI RCC SURVEY - PORT (PDRS, OBSS OPERATIONS) **R3**	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	

NOSE SURVEY

PORT SURVEY

STS-130 FD02

GMT Date 02/09 (040) | W | TDRSE | Z | D/N | ORB | MET Day 001 | STS ATT

10:00 11:00 12:00 13:00

17 18 19

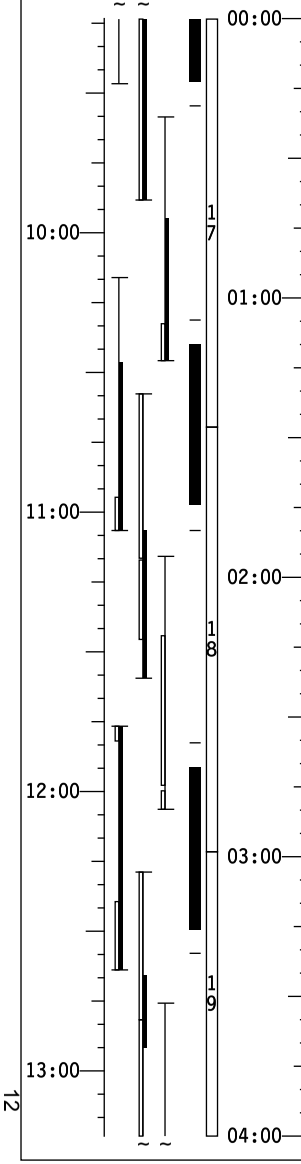
00:00 01:00 02:00 03:00 04:00

-ZLV -XVV NC3 -ZLV -XVV

CDR ZAMKA	PLT VIRTS	MS1 HIRE	Notes
	OBSS BERTH (PDRS, OBSS OPERATIONS) **R1**	OBSS BERTH (PDRS, OBSS OPERATIONS) **R2**	
EXERCISE			
APCU 2: React for Node 3 Heaters A15 APCU 2 CONV - ON	FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)	FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	TFL 192
	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
ON-ORBIT +X RCS BURN (ORB OPS, RCS)	ON-ORBIT +X RCS BURN (ORB OPS, RCS)		
< NC3 TIG (02:28)			
MNVR (TRK) -ZLV -XVV TGT=2 BV=3 OM=0 A1/AUTO/VERN, Init TRK	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TFL 188
FUTURE LOADED MNVR (INRTL) R=35 P=344 Y=48 A1/AUTO/VERN, (04:17) Init TRK			
I'CNCT RETURN (OPS 2,3) (OPCL, RCS)			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
FLIGHT DIRECTOR CONFERENCE			
PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G (two) - OFF Perform via A/G2			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			

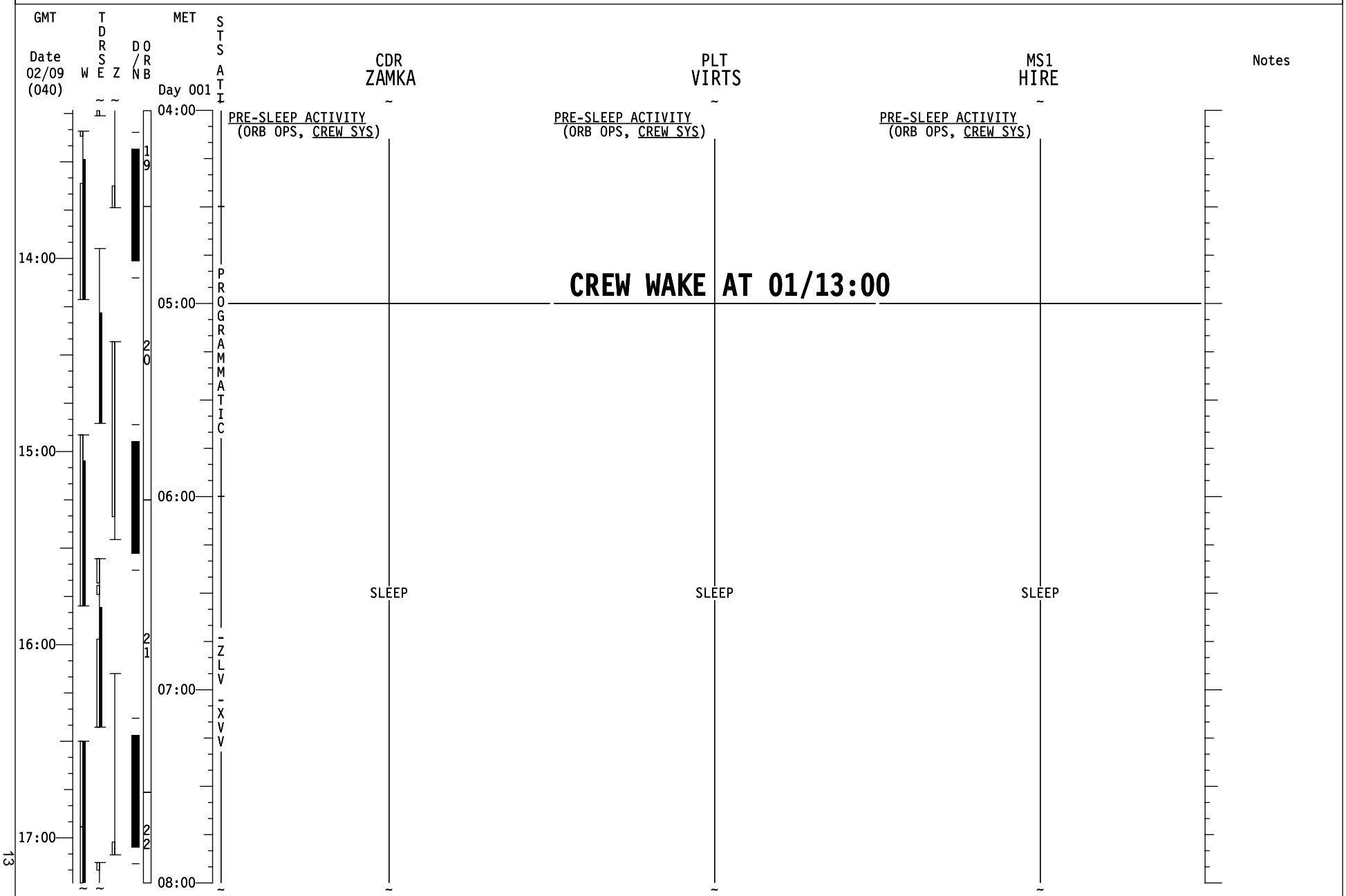
STS-130 FD02

GMT Date 02/09 (040) | W | TDRSE | Z | D/N | ORB | MET Day 001 | STS ATT



MET	STS ATT	MS2 ROBINSON	MS3 PATRICK	MS4 BEHNKEN	Notes
00:00		DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK) LDRI SURVEYS KU TDRE: 23:43-00:39 Gibmal Flip: 00:10 Ref. MSG 003, Item 7	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	
		EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)			
01:00	-ZLV -XVV				
		WLES RNDZ TOOLS C/O PREP(ORB OPS,WLE SNSRS) RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	C/L CAMR INSTALL (PHOTO/TV, REF PROC)	C/L CAMR INSTALL (PHOTO/TV, REF PROC)	TFL 192
02:00	NC3		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)	GLACIER STATUS CHECK (ASSY OPS,CC) TONOPEN - Locker: MF57G	
		RECONFIGURE OCA DOWNLINK RATE (PL MAX) (ORB OPS, PGSC) Part C (Omit step 4) *Perform after Crew Choice D/L		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TFL 188
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
03:00	-ZLV -XVV				
04:00					

STS-130 FD02



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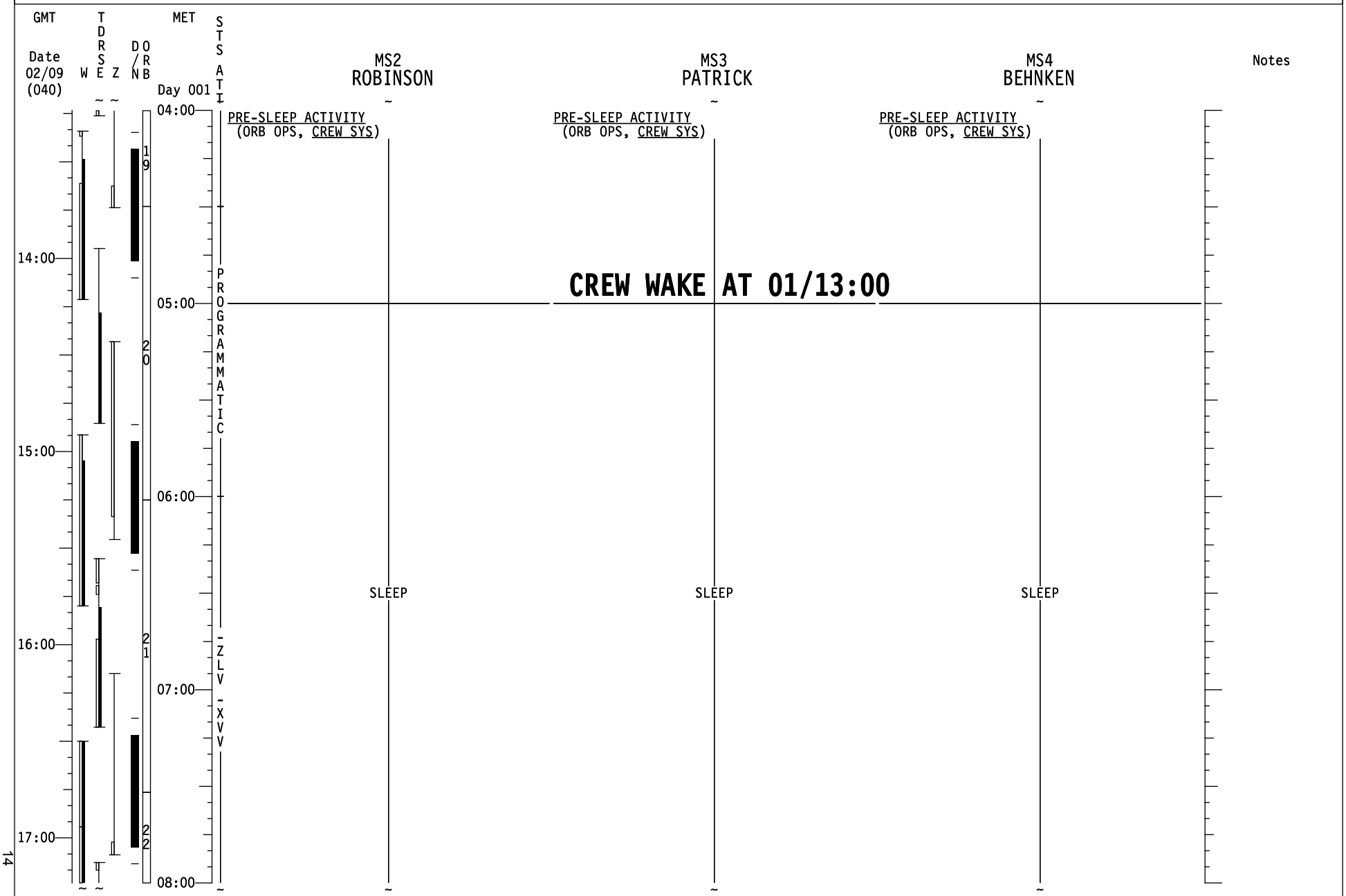
STS-130 FD02


GMT
Date 02/09 (040)
W
TDRSE
Z
D/N
ORB
MET
Day 001
STS ATI
MS2 ROBINSON
MS3 PATRICK
MS4 BEHNKEN
Notes
04:00
05:00
06:00
07:00
08:00
14:00
15:00
16:00
17:00
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)
CREW WAKE AT 01/13:00
PROGRAMMATIC
-ZLV -XVV
SLEEP
SLEEP
SLEEP

Good Morning Endeavor!!!!

Yesterday's launch was awesome! It lit up the sky all along the Florida coast!

Because of your outstanding work yesterday, STS 130 is off to a grand start!

Have a great inspection day!!!

YOUR CURRENT ORBIT IS: 181 X 111 NM

NOTAMS:

EDW - TEMP RWY IN USE. PERM RWY CLOSED FOR CONSTRUCTION.
EDW - LAKEBED RWYS RED.
NOR - LAKEBED RWYS RED. DRYING OUT.
WAL- CLOSED.
ZZA - ARRESTING NET INSTALLED 40M FROM END OF RWY 30L.
ESN - RWY 03R/21L CLOSED. 03L/21R USABLE.
YYR - DME CH12O UNSERVICEABLE.
GUA - RWY 06L/24R RWY END LIGHTS OUT OF SERVICE.
PTN - CLOSED FOR RUNWAY CONSTRUCTION.
IKF - NOT USABLE. NO AGREEMENT.
BEN - NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

KSC15 ORB 17 – 1/00:50 SCT030 SCT200 7 140/6P11
NOR17 ORB 32 – 2/01:06 SCT050 BKN150 7 130/7P12

OMS TANK FAIL CAPABILITY:

PRE NC-4:
L OMS FAILS: YES; SEE OOP WINDOW BELOW
R OMS FAILS: YES; SEE OOP WINDOW BELOW

POST NC-4:
L OMS FAILS: NO
R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

PRE NC-4:
L OMS LEAK: BURN OOP AN+70 <= TIG <= AN+33
R OMS LEAK: BURN OOP AN+74 <= TIG <= AN+31

POST NC-4:
L OMS LEAK: ALWAYS BURN RETROGRADE
R OMS LEAK: ALWAYS BURN RETROGRADE

OMS QUANTITIES(%)

PRE NC-4:
L OMS OX = 33.7 R OMS OX = 32.1
FU = 33.4 FU = 31.9

POST NC-4 :
L OMS OX = 32.1 R OMS OX = 30.7
FU = 31.8 FU = 30.6

DELTA V AVAILABLE:

	PRE NC-4	POST NC-4
OMS	300 FPS	285 FPS
ARCS (TOTAL ABOVE QTY1)	55 FPS	50 FPS
TOTAL IN THE AFT	355 FPS	335 FPS
ARCS (TOTAL ABOVE QTY2)	84 FPS	79 FPS
FRCS (ABOVE QTY 1)	41 FPS	40 FPS
AFT QTY 1	88 %	87 %
AFT QTY 2	50 %	49 %

SYSTEM	FAILURE	IMPACT	WORK AROUND
PDRS	Transient MDA Demand Voltage BITE for WP in Direct Drive	Autobrakes are set	RMS SEL - OFF then PORT to clear transient BITE
OMS	LOMS GN2 Accumulator Leak	Potential for Crew Alarm	Periodic represses may be required to avoid alarm

END OF PAGE 2 OF 2, MSG 004A

LOCKER

LOCKER STOWAGE

STS-130 FLT DECK STOWAGE ..... FS 1-2
MIDDECK STOWAGE ..... FS 1-4
LIGHTWEIGHT MAR ..... FS 1-13
CONSUMABLES ..... FS 1-14

END OF PAGE 1 OF 16, MSG 006

STS-130 FLT DECK STOWAGE

C4A
FDF

C4F
FDF

R3A
FDF

R3F
FDF

L10 UPPER
AVIU
Cable, Digital CC to Video Pwr, 15 ft
Cable, DTV IEEE 1394 4-Pin to Female
Cable, DTV IEEE 1394 4-Pin to Male
Cable, MPC to DTV Mux, 3 ft
Cable, MPC to DTV Mux, 9 ft
Cable, PPOV Teac Wye (Prerouted)
MPC
Pwr Supply, MPC
Tape, Digital Video (171)
Tape, Sony Video (14)
VPU Plug, Green

L10 LOWER
Cable, 12VDC Circular to XLR
Cable, Balanced Video
Cable, BNC to BNC (4)
Cable, BNC to RCA (3)
Cable, DTV IEEE 1394 4-Pin to Male
Cable, VIP ATU I/F
Cable, VIP Pwr
DTV MUX
VIP
VTR (w/Tape installed)

L11
OIU
PDIP 2

L12
PDIP 1
SSP-1/SSP-2

R12
OBSS/OPP
VPU

A16
Bag, Camera
- Adapter, Flash Card (4)
- Batt Door (Spare)
- Cable, Shutter Release w/Extension
- Card, DCS 760 (7)
- Cleaning Solution
- Cover, Eyepiece
- Dry Wipe (2)
- Flash/Diffuser
- Lens, 10.5mm
- Lens, 17-35mm
- Lens, 24-50mm (2)
- Lens, 28-70mm
- Lens, 28mm
- Lens, 35mm w/Filter
- Lens, 80-200mm
- Thermal Blanket, EVA

Bracket, Multiuse (2)
Cable, PGSC DC Pwr, 10 ft
Cable, PGSC DC Pwr, 6 ft
Clamp, Multiuse (2)
Computer Desk, Inflight (2)
Leg Bar, FRED
PILOT Hand Controller
- Bungee (2)
- Cable, PILOT RS-232 Pwr/Data Y
- Tie Wrap (10)

Pwr Supply, DC

STS-130 FLT DECK STOWAGE (Cont)

A17

Bag, DTV Camcorder
- Adapter, A31p Video
- Adapter, BNC-T
- BAL/UNBAL Transformer
- Binoculars (2)
- Bracket, HUD
- Cable, AVIU CC
- Cable, AVIU Video
- Cable, Balanced Video
- Cable, BNC Video (2)
- Cable, BPSMU A/V Patch
- Cable, Converter, IVA 1394
- Cable, IEEE 1394 4-Pin Firewire
- Cable, IEEE 1394, 15 ft
- Cable, IEEE 1394, Crew
- Cable, Mini-Cam Extension
- Cable, Mini-Cam On-Orbit
- Cable, Mini-Cam/AVIU Adapter
- Cable, Monitor to VIU/CM, 20 ft
- Cable, PCMCIA to WIB-Remote
- Cable, PD100 A/V Adapter
- Cable, PPOV Teac Wye
- Cable, RCA-RCA
- Cable, VPU Patch
- Camera, Mini-Cam (HUD Entry)
- Cover, Connector
- Kit, DTV MUX Fuse
- Lens, 12mm Mini-Cam (Entry)
- Tie Wrap (2)
- VTR

A17

(Cont)

Bag, Core Camcorder
- Adapter, BNC-RCA Phono (2)
- Adapter, BNC-T
- Adapter, RCA-BNC (2)
- Batt Charger, Li-ION (2)
- Batt, Li-ION (6)
- Batt, Silver Oxide, 1.5V (2)
- Bracket, Multiuse
- Camcorder, Canon HG1 w/Tape
- Coupler, TWINAX (2)
- Headphones
- Lens, Camcorder Wide Angle
- Microphone, Camcorder
- Remote, PD1 (2)
- Tape, Digital Video (20)

Pry Bar, Window 8

Quick Don Mask (4)

STS-130 MIDDECK STOWAGE

FORWARD LOCKERS

MF14E

SODF

MF14G

EMCS TROPI (8 ea)

MF14H

FDF | SODF

MF14K

PWR

MF14M

Vacuum Cleaner
- Bags (4)
- Cable, DC Pwr, 20 ft
- Tool, Cabin Fan Filter
- Tool, Crevice
- Tool, DDU Filter/Flex Modular
- Tool, Flex Hose/Suction Hose
- Tool, Hose Adapter

MF14O

Air Sample Bottle (2)
Bag, Chemical Resistant (2)
Breaker Bar (Pallet Removal)
Breakout Box
Duxseal
Extension, 4 in
Filter, Waste Water Dump
IFM Fastener Retainer Cushion
Kit, Foam Applicator (2)
Kit, RMS D&C IFM
Lubricant
Turnbuckle (3)

MF28E/G

GLACIER

MF28H

Food, Menu
Food, Menu

MF28K

Food, Menu
Food, Menu

MF28M

Food, Menu
Food, Menu

MF28O

Food, Menu
Food, Menu

MF43C

Desiccant, ABRS (2)
Filter, ABRS (5)
Kit, APEX-Cambium KSC Fixation Tube (KFT)
Kit, APEX-Cambium Water
Kit, Card Blood Sample Container
Kit, Cardio Lab (CDL) Holter Arterial BP Batt Kit (2)
Kit, TAGES Replant

MF43E

FDF

MF43G

Clothing, MS1
Clothing, MS1

MF43H

Food, Fresh
Food, Fresh

STS-130 MIDDECK STOWAGE (Cont)

FORWARD LOCKERS (Cont)

MF43K

Food, Fresh
Food, Menu

MF43M

Clothing, CDR
Clothing, CDR

MF43O

ACTEX (2)
Cable, PS120
Food Warmer
Isolator
Junction Box, PS120
Needle, PWD (2)
Seals, Flared Fitting (12)

MF57A (VOL A)

Pantry Food
- Accessories
- Eating Utensils

MF57C

Adapter, Luer (PWD) (6)
Cartridge, N_2 (10)
EMCS TROPI (8 ea)
MYCO (8)
Tie Wrap (40)

MF57E

Cable, Biomed (2)
Container, Sharps
Kit, Dosimeter
Kit, Electrode
Kit, Medical Accessory
Kit, Operational Bioinstrumentation System
Restraint (4)
Saline (2)
Subpack, Airway
Subpack, Drug
Subpack, EENT
Subpack, IV Administration
Subpack, Saline Supply
Subpack, Trauma

MF57G

Adapter, FSS-401-1
Filter, Contingency Waste Water (CWWDF)
Tonopen
Food, Menu

MF57H

Food, Menu
Food, Menu

MF57K

GAP
- Cylinder (16)
- Hand Crank
- Ziplock Bag (15)

Kit, Sample/Purge (Water Transfer)
Kit, Silver Biocide (Water Transfer)

MF57M

Condensate Collection
- CWC (2)
- Hose, Yellow-Yellow

CSA-CP
- Batt Pack, CSA-CP (3)
- Sampling Pump
- Sampling Pump Filter
- Zero Filter

Hose, SUPA (14)
Kit, Docking Mechanism Accessory
- APAS Hatch Tool
- Wipes, Seal

Kit, IMV O-Ring/Braycote
Towel (ISS Ingress)
Ziplock Bag, 36x36 (4)

STS-130 MIDDECK STOWAGE (Cont)

FORWARD LOCKERS (Cont)

MF57O

Bag, Hefty Cinch (40)
Board, ERC Combo
Bungee, MAC/Gateway (10)
Cable, MAC/Gateway (9)
Container, Facestrap (2)
Facestrap Support (16)
Gateway MAC
Glue, Elmers
Insert Block Facestrap (12)
Kit, ICL Refurb
Kit, GIS Plenum
Kit, TVIS
Labels, ISS (9)
Seal, GAMAH (4)

MF71C

Air Sample Bottle (3)
Case, CD Stowage
Cover, MWC (2)
Filter (QDM) (5)
Harness, ECLSS Wire (3)
Hex Drive, 3/16 in (2)
Kit, Water (QDM)
O-Ring (31)
Socket, 3/8 in
Tether, Body Restraint
Tether, Waist

MF71E

CGBA

MF71G

Clothing, MS2
Clothing, MS2

MF71H

Bag, Headset Accessory
Bag, Inflight Stowage Restraint (9)
Bag, Jettison Stowage (5)
Bag, Menu Food Trash
Canister, WCS (Coffee Can)
Cover, HUD (2)
Cover, Parachute (6)
Hose, Personal Hygiene
Hose, WCS Canister
Mirror, Personal Hygiene (2)
Shuttle Emergency Eyewash (SEE)/Drink Bag
Switch Guard, GPC
Tape, Gray, 1 in
Tape, Gray, 2 in
Tie Wrap (20)
Wipes, Disinfectant (3 pkg)

MF71K

Actiwatches (3)
Bag, Helmet (2)
Bag, Jettison (4)
Bungee, Adjustable (7)
Chair, Nada
Kit, Comm
- Cable, Comm, 4 ft
- Cable, Comm, 14 ft
- Microphone, Handheld
- VLHS (2)

MF71K

(Cont)
Panel Cover, MA73C
PIP Pin
- O2 Bleed Orifice
- PIP Pin (12)
- PIP Pin, Egress Pole (Spare)

Tape, Gray, 2 in
Tray, Meal
Ziplock Bag, 8x8 (20)
Ziplock Bag, 12x12 (8)
Ziplock Bag, 13x18 (5)
Ziplock Bag, 24x24 (2)
FRED

STS-130 MIDDECK STOWAGE (Cont)

FORWARD LOCKERS (Cont)

MF71M

Clothing, MS4
Clothing, MS4

MF71O

BAL/UNBAL Transformer
Batt Cap/Fuse (LIDAR)
Batt, AA
Batt, BPSMU (2)
Batt, LIDAR (2)
BPSMU (2)
Cable, BNC to BNC
Cable, BPSMU to CCU Adapter (2)
Cable, LIDAR I/F (2)
Cable, PGSC Pwr, 6 ft
Cable, SSV to PDIP/CIP (2)
Kit, SSV Fuse
LIDAR
LIDAR w/Nightscope
SSV Compression Encoder

STS-130 MIDDECK STOWAGE (Cont)

AFT LOCKERS

MA9D/F

Kit, Ammonia Detection
Kit, HRM (2)
Kit, Medical Accessory (MAK)
Kit, Mineral Syringe
Resuscitator
TRAD

MA9G

Cold Bag, RCC

MA9J

Cable, AC W
Cable, Parallel Data
Cable, Pwr, AC, 20 ft
Printer, Color
- Cartridge, Black (2)
- Cartridge, Color (2)
- Paper (2)
- Washcloth

MA9L

Tray, Color Printer (2)
ACTEX (2)
Adapter, “Dash 2”
Filter, Microbe (Spare)

MA9L

(Cont)
Hose, ACTEX
Hose, Filter Assy (“Monster Hose”)
Hose, Red-Yellow/“Dash-2 Adapter”
Microbial Check Valve (MCV)

MA9N

Kit, Personal Hygiene (PHK) (6)
Community PHK
Kit, Contaminant Cleanup
Ziplock Bag, 24x24 in (6)
Ziplock Bag, 36x36 in (10)
Chem Light, Green (27)
Chem Light, Red (ACES Entry) (28)
Fiberscope Light Source
Fiberscope, Video
Kit, Fluid Loading (2)
Restraint, Foot Loop (Spare) (6)
Restraint, Seat (Spare) (2)

MA16D

IFM Tools (see IFM C/L)

MA16F

Clothing, MS3
Clothing, MS3

MA16G

Audio Dosimeter
Batt, AA (30)
Batt, D2XS Rechargeable (9)
Camera Bracket, Loc-Line Flex (2)
Camera, D2XS w/Card
COAS
- Filter, NI-CR

Light Shade (2)
Worklight (2)

STS-130 MIDDECK STOWAGE (Cont)

AFT LOCKERS (Cont)

MA16J

CTB, Photo TV Stow-N-Go
- AVIU (5)
- Bracket, Base Multiuse
- Bracket, Clamp Multiuse (3)
- Bracket, Dual Camera
- Bracket, Lockline Flex
- Bracket, Multiuse (3)
- Cable, AVIU Video (4)
- Cable, Balanced Video (2)
- Cable, Digital CC Video Pwr (4)
- Cable, PCMCIA to WIB-Remote
- Cable, VPU Patch
- Camera, D2XS w/Card (2)
- Computer Desk, Inflight (2)
- Lens, Wide Conversion
- PCMCIA RS-422 Card
- Shutter Release (2)
- VTR w/Tape (2)

Tape, Digital Video (26)

MA16L

Clothing, PLT
Clothing, PLT

MA16N

Crew Support

STS-130 MIDDECK STOWAGE (Cont)

WASTE MGMT COMPARTMENT

Bag, Emesis (7)
Prefilter, Conical (20)
Scraper Tool
Towels (36)
Urinal Funnel, Female Oblong
Urinal Funnel, Female Round
Urinal Funnel, Male (6)
Washcloths (32)
WCS Tool

Bag, Elbow (16)
Clothing, 1st Day (6)
Hose, SUPA
Trash Bag, WMC (Spare)

Dry Wipes, Multi-Purpose (29 pkg)
Gloves (2 pkg)
Trash Bag, Coffee Can (10 pkg)
Wet Wash ("Baby Wipes") (6 pkg)
Wipes, Disinfectant (3 pkg)

VOL B (MA4D)

Bag, Elbow (14)
Bag, Emesis (13)
Bag, Inflight Stowage (2)
Dry Wipes, Multi-Purpose (60 pkg)
Gloves (4 pkg)
Gloves, Shoulder Length (1 pkg)
Prefilter, Conical (20)
Towel (13)
Trash Bag, Coffee Can (8 pkg)

VOL B (MA4D)

(Cont)
Washcloth (56)
Wet Wash ("Baby Wipes") (34 pkg)
Wipes, Disinfectant (14 pkg)

VOL 3B (MA73J)

Batt, D2XS Rechargeable
Batt, Li-ION
Camcorder, G1 w/Tape
Camera, D2XS w/4GB Card
Flash/Diffuser
Lens, 12-24mm
Lens, 400mm
Memory Card, 4GB
OCAC
Quick Don Mask (2)
Spotlight

VOL D (MD52C)

Batt, AA (6)
Coax Cable Torque Adapter (2)
Crack Repair Gun (Manual) w/Thermal Cover (2)
Downlink Data Multiplexer
DTV VTR Pouch
EVA Camera Mount w/Thermal Blanket
EVA Camera Strap
EVA Thermal Sensor
EVA Wipes (5)

VOL D (MD52C)

(Cont)
Flow Shut Off Valve (2)
Kit, Emmitance Wash Applicator (2)
Modular MWS RH Swingarm
Palette (2)
RCC Crack Bag
RCC CRM Scraper, 2 in (4)
RCC CRM Scraper, 5 in (2)
RCC Leading Edge Special Wrench
Ruler and Protuberance Gauge
Tether Extension (2)
VIP
VTR, DSR-25

VOL E (MD76C)

OFK/PPK

VOL F (MD76M)

Trash Bag, Wet

VOL G (MD80R)

Bag, Apollo Fecal (40)
CUCD, Male (54)
CWC (2)
Gloves (1 pkg)
Pull-Ups (24)
Ziplock Bag, 13x18 (8)
Ziplock Bag, 36x36 (4)

STS-130 MIDDECK STOWAGE (Cont)

LiOH VOL (MD52M)

Canister, ATCO
Canister, LiOH (29)
Gloves, Nitrile (40)
G-Suit (6)
Mask, Surgical Filter (30)

EXTERNAL AIRLOCK

PORT
- EMU – EV2 (see EVA C/L)

STBD
- EMU – EV1 (see EVA C/L)

AIRLOCK FLOOR BAG

Bag, EVA Trash
Bag, Inflight Stowage
CCC (5)
Clothing, Entry (6)
DISDB (8)
ECOK
Gloves, ACES (Spare) (2 pr)
Insulator, Template Mount (2)
LCVG
MWS (2)
Peel Layer (4)
SAFER Hand Controller
Tether, Retractable Equip (11)
Tether, Safety, 85 ft (2)
Tether, Waist (4)

VOL H (MD23R)

INBOARD
- See EVA C/L

OUTBOARD
- See EVA C/L

MA12B (WINDOW SHADE BAG)

Bag, Window Shade
- Bag, IFM Cont Hose and Cable Kit
  - Adapter, Red/Yellow
  - Cable, AC Pwr Cont Transfer, 15 ft
  - Cable, DC Harness, 24 ft (2)
  - Cable, DC Pigtail Connector (2)
  - Cable, MCIU Data, 10 ft
  - Cable, MCIU to PNL L15, 6 ft
  - Cable, OCA Spare
  - Clamp, Various Sizes (14)
  - Cover, Panel (3)
  - Gloves, Clean Room
  - Hose, 1/4 in (6 ft)
  - Hose, 3/8 in (6 ft)
  - Hose, Cont Blue/Blue
  - Hose, Cont Red/Red
  - Hose, Cont Yellow/Yellow, 8 ft
  - Hose, CWC Contingency (Sterile), 20 ft
  - Hose, CWC Contingency, 20 ft
  - Hose, O2 Contingency

MA12B (WINDOW SHADE BAG)

(Cont)
Bag, Window Shade (Cont)
- Bag, IFM Cont Hose and Cable Kit (Cont)
- Kit, Parachute Repack (2)
- Protective Cover Wireway (3)
- Shade, CCTV Monitor (2)
- VPMP Panel Cover (2)
- Water Equipment
  - Filter, Wand Extender
  - Galley Needle (Spare)
  - Separator, Water/Gas (2)
  - Supply Water Dump Line Purge Device
  - Water Dispenser, Contingency
- Window Shade, Aft (2)
- Window Shade, Ovhd (2)
- Window Shield, Ovhd (2)
- Ziplocks for CWC, 36x36 (10)

STS-130 MIDDECK STOWAGE (Cont)

MIDDECK CEILING

BAG E (Port 1)
- CHECS
  - Bag, Incubation
  - CSA-CP Resupply
  - CSA-O2 Monitor (2)
  - IMAK (2)
  - Packet, Petri Dish (8)
  - Packet, Surface Sampler (14)
  - Radiation Area Monitor (RAM) (24)
  - Subpack, New RAM (2)
- Filter, Bacteria (3)
- UPA FCPA

BAG F (Port 2)
- Clothing, Crew
- Cover, Fire Extinguisher
- Node 3 VOK H/W
  - Barrier, BVC Radial
  - Cap, Protective (89)
  - Duct, IMV (2)
  - Jumper (7)
  - Locking Pins, RTL (4)
  - O-Ring, Silicon (4)
  - Wire Harness (7)
- Quick Don Mask (QDM)

MIDDECK CEILING

(Cont)

BAG G (Stbd 1)
- Bag, EVA Transfer
- Batt, EMU
- BTA
- Cap, Protective
- Carrier, OIH (2)
- CCC (2)
- Connector, Node 3 P104-PMA3
- Cover, Connector Multiple Tethered (2)
- Cover, HMU 271 Plug Bootie
- Cover, Lower Arm Wrist (4)
- DISDB (6)
- Gloves, EVA (2 pr)
- MLI, Zenith Cone Stanchion (2)
- Ratchet, 3/8 in Drive w/7/16 in socket
- Socket Extension, 5/16 in x 7 in
- Spanner, Gap (9)
- Terminator, 1553 (2)
- Tether, Adjustable Equip (AET) (16)
- Wire Ties, EVA (28)

BAG H (Stbd 2)
- Bag, Jettison Stowage (2)
- CDRA

MIDDECK FLOOR

BAG A (Port 1)
- UPA DA

BAG B (Port 2)
- Odor Bacteria Filter (WCS Spare)
- Recycle Filter Tank (RFTA)
- Utility Closeout Panel (4)
- Wrench, Torque

BAG C (Stbd 1)
- Jumpers, Ammonia Node 3 (4)

BAG D (Stbd 2)
- Kit, WPA External Filter Repair
- Filter, Bacteria Element (3)
- Nipple, QD
- Thermal Jacket, Ammonia Jumpers Node 3

SEAT 7 STOWAGE BAG

Bolt, CBEF Fan Locking (2)
Cable, Stabilizer Pwr/Data (TVIS)
Food, ISS
Stabilizer, TVIS

STS-130 LIGHTWEIGHT MAR

ML60B

Cable, CCTV 20' Cabin
Cable, RS-232 9-Pin
Cable, TV Controller CIP
Cable, TV Controller/CTVM
Centerline Camera, Prime
Feeler Gauge (4)
Harness, Centerline Camera
Screws (20)
TV Controller Unit
Washer (6)
Wipes, Disinfectant (2)

ML60E

Access Point, Proxim (2)
Adapter, RS-422 (2)
Board, OCA
Cable, 1553 PCMCIA (2)
Cable, A31p Pwr (2)
Cable, A31p Video Adapter
Cable, Fuel Cell PCMMU
Cable, OPP to LCS RJ45, 20 ft
Cable, PCMMU, 24 ft
Cable, PCS-PDIP 1553
Cable, PDIP RS-422 Y, 24 ft
Cable, PGSC Pwr (3)
Cable, RJ45, 16 ft
Cable, RJ45, 32 ft (3)
Cable, RS-232 Y, 15 ft
Cable, RS-422 Extension, 10 ft

ML60E

(Cont)
Cable, RS-422 Y, 15 ft
Cable, Tri Port PCMCIA RS-422/MCIU Card (5)
Cable, VLHS to VTS I/F (2)
Cable, WAP Pwr, 10 ft (2)
Camera, Ultraport (2)
Card, 1553 PCMCIA (2)
Card, CF Adapter (2)
Card, Dual Port PCMCIA RS-422 Card (2)
Card, Wireless RF Network (8)
Expansion, OCA
Expansion, PCMMU (2)
Harddrive, 160GB
Laptop, T61p (PCS)
PGSCs
- STS-1 – OCA Router
- STS-2 – Windecom
- STS-3 – KFX
- STS-4 – RPOP
- STS-5 – RPOP2
- STS-6 – WLE

Pwr Supply, DC (10)
Receiver, WLE (2)
Relay, System (3)

ML60M

Centerline Camera, Backup
Harness, Centerline Backup
Ultrasonic Leak Detector
- Acoustic Tip
- Adapter
- Batt, 9V (2)
- Concentrator
- Headset
- Probe, Extension (3)
- Receiver
- Transmitter

STS-130 CONSUMABLES

Item	Location		Total Qty
Contingency Urine/Fecal Collection Devices:			
CUCDs (Male)	VOL G (MD80R)		54
Apollo Fecal Bags	VOL G (MD80R)		40
Pull-Ups	VOL G (MD80R)		24
Disinfectant Wipes (26/pkg) (6/cm/day)	Waste Mgmt Compartment	3 pkg	78
	VOL B (MA4D)	14 pkg	364
	ML60B (Top of MAR)	2 pkg	82
	MF71K	3 pkg	78
			572
Dry Wipes, Multi-Purpose (24/pkg) (25/cm/day)	Waste Mgmt Compartment	29 pkg	696
	VOL B (MA4D)	60 pkg	1440
			2136
Elbow Bags	Waste Mgmt Compartment		16
	VOL B (MA4D)		14
			30
Emesis Bags	Waste Mgmt Compartment		7
	VOL B (MA4D)		13
			20
Gloves (50/pkg) (3.5/cm/day) (not incl VOL G)	Waste Mgmt Compartment	2 pkg	100
	VOL B (MA4D)	4 pkg	200
	VOL G (MD80R)	1 pkg	50
			350
Gloves, Shoulder Length	VOL B (MA4D)	1 pkg	25
Prefilters, Conical	Waste Mgmt Compartment		20
	VOL B (MA4D)		20
			40
Towels (half/cm/day)	Waste Mgmt Compartment		36
	VOL B (MA4D)		13
			49
Trash Bags (Coffee Can Bags) (10/pkg) (2/cm/day)	Waste Mgmt Compartment	10 pkg	100
	VOL B (MA4D)	8 pkg	80
			180

NOTE: The qty/day is based on 6 crewmembers and 14 days

STS-130 CONSUMABLES (Cont)

Item	Location		Total Qty
Washcloths	Waste Mgmt Compartment		32
(1/cm/day)	VOL B (MA4D)		56
			88
Wet Washes (“Baby Wipes”)	Waste Mgmt Compartment	6 pkg	240
– (40/pkg) (19/cm/day)	VOL B (MA4D)	34 pkg	1360
			1600

NOTE: The qty/day is based on 6 crewmembers and 14 days

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MSG 007 - FD02 CREW CHOICE DOWNLINK

TDRS	AOS	LOS	Delta (min)	Notes
E-TDS	1/01:57	1/02:13	16	
W-171	1/03:10	1/03:24	14	
E-TDS	1/03:26	1/03:40	14	Alpha stop at 1/03:35
W-171	1/04:22	1/04:58	36	

Note: Please notify MCC-H 10 minutes prior to the event to allow for ground network configuration.

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