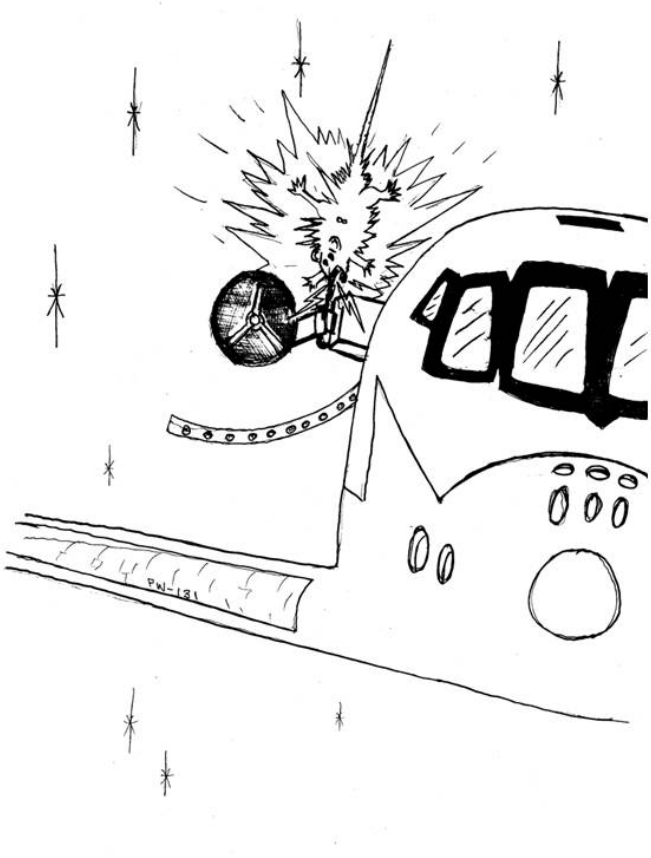
STS-131 / 19A

FD 02 Execute Package

MSG	Page(s)	Title
002B	1 - 13	FD02 Flight Plan Revision
003A	14 - 16	FD02 Mission Summary

Approved by FAO:
A. Cofrin

Last Updated: Apr 6 2010 12:13 AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*



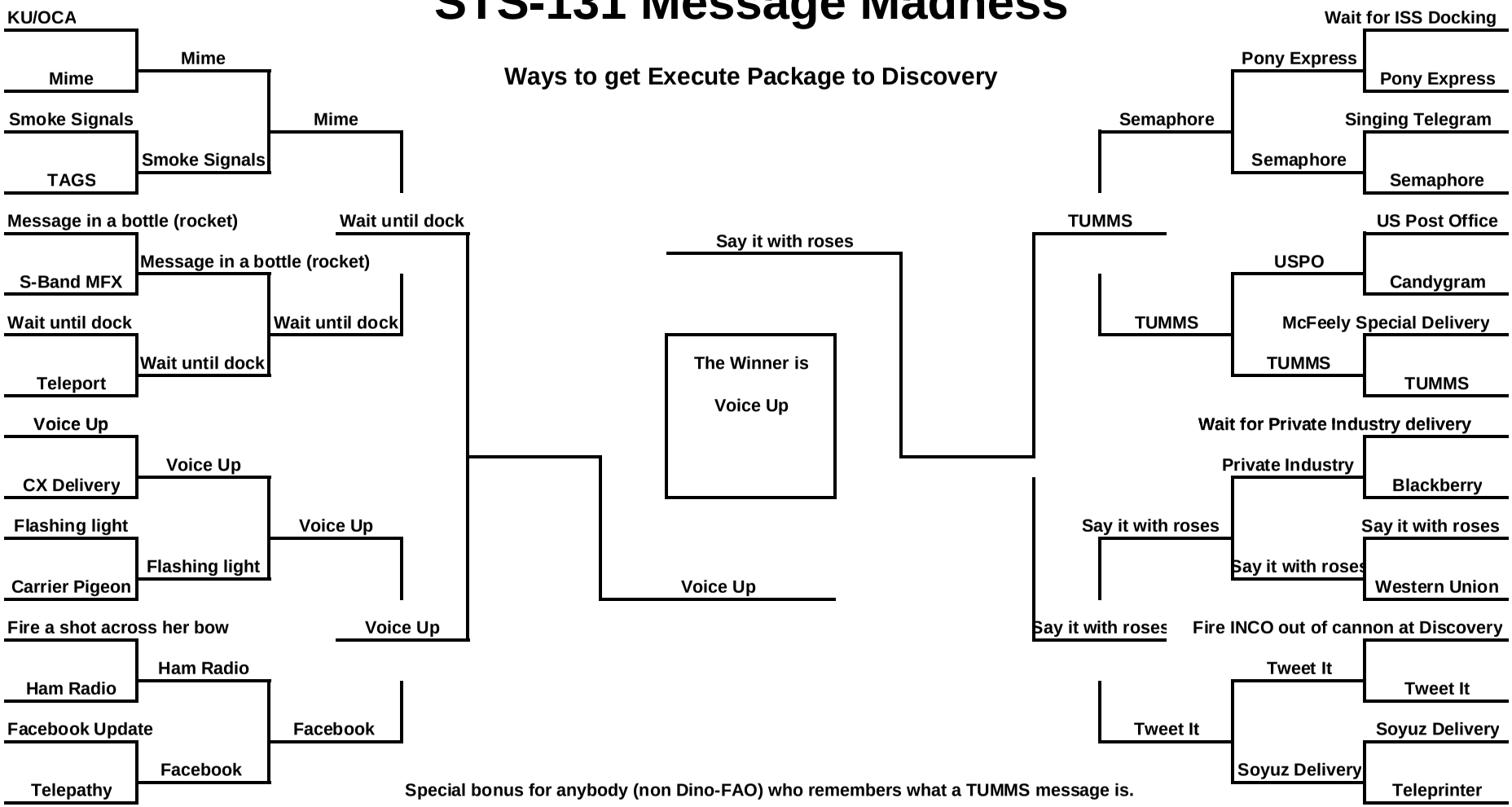
Two STS-131 mysteries solved.

Disclaimer: No animals were injured in the development of this comedy

Additional comedy on reverse

STS-131 Message Madness

Ways to get Execute Package to Discovery



Special bonus for anybody (non Dino-FAO) who remembers what a TUMMS message is.

MSG INDEX

MSG NO.	TITLE
MSG002	FD02 Flight Plan Revision
MSG003	FD02 Mission Summary

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

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

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

2. REBA Battery:
   REBA s/n 1006 is currently "NO GO for EVA" due to it not accepting a charge. We will now use REBA s/n 1009. Please update your EVA FDF book on pages FS CC 10-15 and FS CC 10-16 as well as the Cue Card itself.

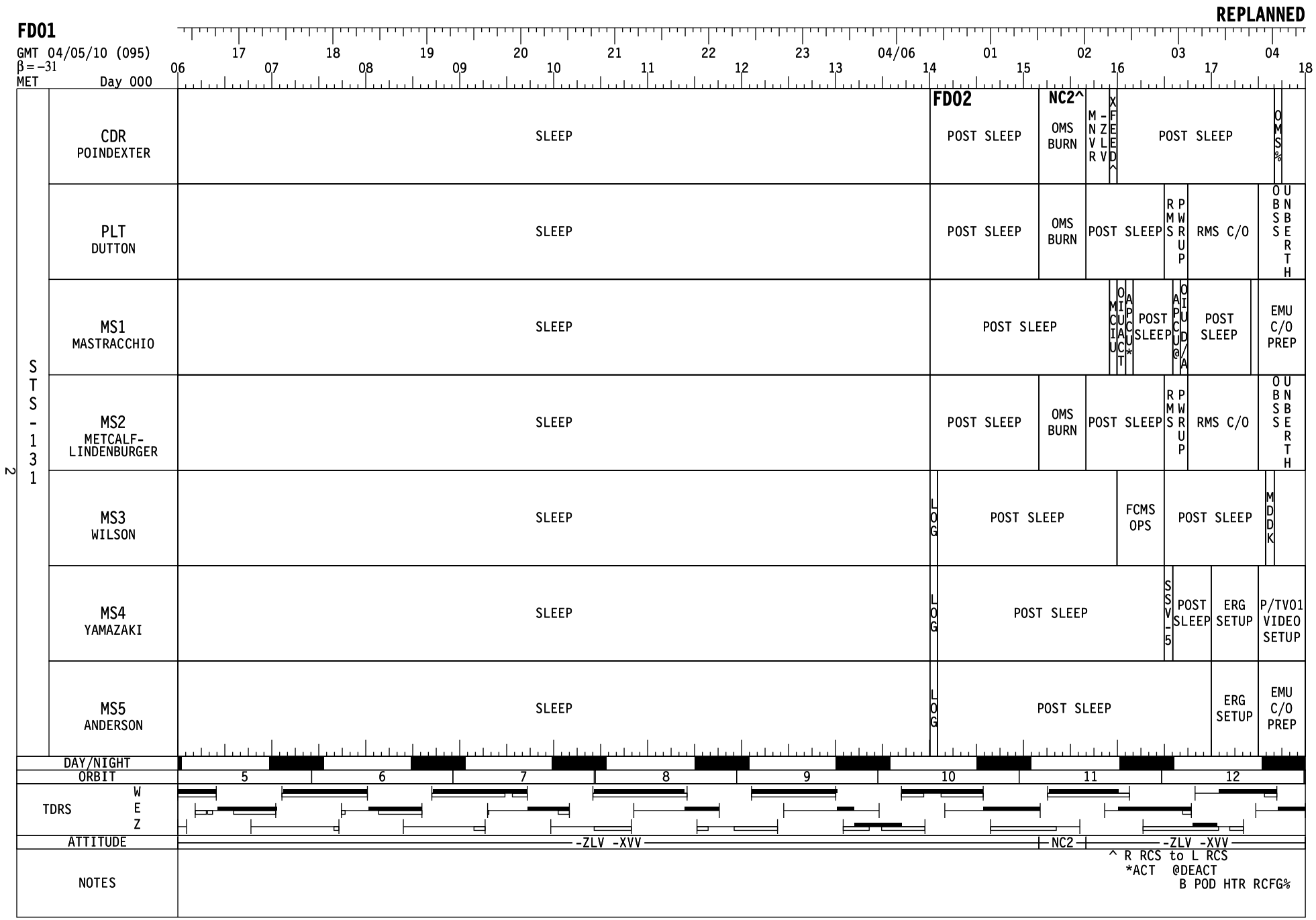
3. ISS ATA Venting:
   Requested ISS Status for Rick, Clay and Dottie - The S1 ATA NH3 vent and prep was nominal yesterday therefore the ATA is ready for EVA1.

4. Transfer Activities
   The following Middeck Resupply Transfer List items are required for the FD02 Middeck Transfer Prep at MET 0/22:40. No other documentation exists onboard directing them to complete these items.

   - Item 1: EVA Camera Eyepieces will be gathered by Rick
   - Item 19: Crew Care Packages CTB from Bag A
   - Items 26, 26.1 thru 26.4: EMU LiOH (CCCs) from Bag C and place in jettison stowage bag for transfer.
   - Item 30: Food container of coffee from Bag C
   - Item 31: STORRM bag from Bag D for FD03 STORRM install activity
   - Item 50: Sharpies and Clippers from MF71M
   - Gift Shirts from Bag F

5. WLES
   Due to the Ku failure, we are not able to verify WLES configurations on the ground. Please confirm that WLES ACTIVATION AND CHECKOUT was completed through step 9 per the timeline on FD1.

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


REPLANNED
FD01
GMT 04/05/10 (095)
β = -31
MET Day 000
17 18 19 20 21 22 23 04/06 01 02 03 04
06 07 08 09 10 11 12 13 14 15 16 17 18
STS-131
CDR POINDEXTER
SLEEP
FD02
POST SLEEP
NC2^
OMS BURN
MNVR
-ZLV
XFEED^
POST SLEEP
OMS%
PLT DUTTON
SLEEP
POST SLEEP
OMS BURN
POST SLEEP
RMS
PWRUP
RMS C/O
OBSS
UNBERTH
MS1 MASTRACCHIO
SLEEP
POST SLEEP
MCIU
OIUACT
APCU*
POST SLEEP
APCU@
OIUD/A
POST SLEEP
EMU C/O PREP
MS2 METCALF-LINDENBURGER
SLEEP
POST SLEEP
OMS BURN
POST SLEEP
RMS
PWRUP
RMS C/O
OBSS
UNBERTH
MS3 WILSON
SLEEP
LOG
POST SLEEP
FCMS OPS
POST SLEEP
MDDK
MS4 YAMAZAKI
SLEEP
LOG
POST SLEEP
SSV-5
POST SLEEP
ERG SETUP
P/TV01 VIDEO SETUP
MS5 ANDERSON
SLEEP
LOG
POST SLEEP
ERG SETUP
EMU C/O PREP
DAY/NIGHT
ORBIT
5 6 7 8 9 10 11 12
TDRS
W
E
Z
ATTITUDE
-ZLV -XVV
NC2
-ZLV -XVV
NOTES
^ R RCS to L RCS
*ACT @DEACT
B POD HTR RCFG%

REPLANNED

FD02

GMT 04/06/10 (096)
β = −29
MET Day 000

05 06 07 08 09 10 11 12 13 14 15 16
18 19 20 21 22 23 00 1/00 01 02 03 04 05 06

STS-131

Crew	Activities
CDR POINDEXTER	EMU C/O; MNVR STBD; EXERCISE; MNVR NOSE; MEAL; MNVR PORT; PORT WING SURVEY; MNVR -ZLV; WSB*; CRYO O2 SNSR CK; IMU; XFEED&; PRE SLEEP; NC3^ +X RCS BURN; MNVR -ZLV; PRE SLEEP; PMC A/G; PRE SLEEP
PLT DUTTON	OBSS UNBERTH; STBD WING SURVEY; MEAL; PORT WING SURVEY; OBSS BERTH; OMS POD SRVY; PTV08; PRE SLP; +X RCS BURN; PRE SLEEP
MS1 MASTRACCHIO	EMU C/O; EVA PREP FOR XFER; MEAL; EXERCISE; C/L CMR INSTL; FILTER CLEAN; FC PRG@; PRE SLEEP
MS2 METCALF-LINDENBURGER	OBSS UNBERTH; STBD WING SURVEY; NOSE CAP SURVEY; MEAL; OBSS BERTH; EXERCISE; PRE SLEEP; +X RCS BURN; ODS RING EXT; PRE SLEEP
MS3 WILSON	STBD WING SURVEY; NOSE CAP SURVEY; MEAL; MDDK XFER PREP; RNDZ TOOLS C/O; AEM VIDEO; AEM#; NLP ACT; MDDK; PRE SLEEP
MS4 YAMAZAKI	P/TV01 VIDEO SETUP; EXERCISE; MEAL; NOSE CAP SURVEY; PORT WING SURVEY; C/L CMR INSTL; SSV-4; PRE SLEEP; ODS RING EXT; PRE SLEEP
MS5 ANDERSON	EMU C/O; EVA PREP FOR XFER; CWC-I S/U; MEAL; MDDK XFER PREP; RNDZ TOOLS C/O; EXERCISE; PRE SLEEP

DAY/NIGHT

ORBIT: 13 14 15 16 17 18 19 20

TDRS: W E Z

ATTITUDE: BIAS +YSI; BIAS +XSI; BIAS -YSI; -ZLV -XVV; NC3; -ZLV -XVV

NOTES: *CNTLR SWAP; &RETURN @MANUAL; #STATUS CHECK

STS-131/19A FD02

REPLANNED

GMT Date 04/05 (095) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI

CDR POINDEXTER	PLT DUTTON	MS2 METCALF-LINDENBURGER	NOTES
SLEEP	SLEEP	SLEEP	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) √HUM SEP for H2O accumulation	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)	UPDATE ORBITAL MNVR PAD
< NC2 TIG (00/15:35:43)			
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN, Init TRK	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
XFEED: R RCS to L RCS (OPCL, RCS) Ignore Helium Valve Checks in Step 5			

FD02 EZ ACTIVITIES:
OCAC Filter Inspection
TEPC (STATUS CHECK)
(ORB OPS, CREW SYSTEMS)
Hard reboot all PGSCs not shut down overnight, except: STS1 (OCA ROUTER), STS5 (RPOP2) and STS6 (WLES)

STS-131/19A FD02

REPLANNED

GMT Date 04/05 (095) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI | MS1 MASTRACCHIO | MS3 WILSON | MS4 YAMAZAKI | MS5 ANDERSON | NOTES

GMT	MET	MS1	MS3	MS4	MS5
	12:00				
23:00					
	13:00	SLEEP	SLEEP	SLEEP	SLEEP
00:00					
	14:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (SDBI 1634) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (SDBI 1634) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (SDBI 1634) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
01:00					
	15:00				
02:00					
	16:00	L17 Check MCIU filter screen			

STS ATI: -ZLV -XVV; NC2

9; 10; 11

5

STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI

CDR POINDEXTER	PLT DUTTON	MS2 METCALF-LINDENBURGER	NOTES
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 PWRUP (PDRS, RMS PWRUP)	
	RMS CHECKOUT (PDRS, RMS C/O)	RMS CHECKOUT (PDRS, RMS C/O)	
	A A14 RCS/OMS HTR L POD - A OFF - B AUTO R POD - A OFF - B AUTO		
	OBSS UNBERTH (PDRS, OBSS OPERATIONS) Prior to Step 3: √A15 APCU OUTPUT - OFF	OBSS UNBERTH (PDRS, OBSS OPERATIONS) Prior to Step 3: √A15 APCU OUTPUT - OFF	
RCS/OMS POD HTR RECONFIG A			
EMU CHECKOUT (EVA, CHECKOUTS) Support Comm Checks			
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=230 A14/AUTO/VERN, OBSS UNBERTH cmplt, Init TRK			
	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
EXERCISE			

Time scale: 03:00, 04:00, 05:00, 06:00; 16:00, 17:00, 18:00, 19:00, 20:00

STS ATI: -ZLV -XVV; BIAS +YSI

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STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATT

MS1 MASTRACCHIO	MS3 WILSON	MS4 YAMAZAKI	MS5 ANDERSON	NOTES
SSP1 OIU PWR - OIU 1 ON (tb-UP) On MCC GO: A15 APCU 1 OUTPUT - ON CONV - ON POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	TFL 199 MPLM PRESSURE CHECK
On MCC GO: A15 APCU 1 CONV - OFF OUTPUT - OFF SSP1 OIU PWR - OFF (tb-bp) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SSV OUTRATE - 5 POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		TFL 203
		CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) ERGOMETER SETUP	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) ERGOMETER SETUP	
EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	MERLIN STATUS CK (Cue Card) GLACIER STATUS CK (Cue Card) STL STATUS CK (Cue Card)	P/TV01 VIDEO SETUP (P/TV, SCENES)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	
EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs			EMU CHECKOUT (EVA, CHECKOUTS) Perform for 2 EMUs	
	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	EXERCISE		
EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)			EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	
		MEAL		

Time scale: 03:00, 04:00, 05:00, 06:00; 16:00, 17:00, 18:00, 19:00, 20:00

STS ATT: -ZLV -XVV; BIAS +YSI

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STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI

CDR POINDEXTER	PLT DUTTON	MS2 METCALF-LINDENBURGER	NOTES
	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
MNVR (TRK) BIAS +XSI (Nose Cap) TG=4 BV=5 P=330 Y=0 OM=270 A14/AUTO/VERN, RCC SURVEY-STBD cmplt, Init TRK		OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPERATIONS)	
MEAL	MEAL		
	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)		
MNVR (TRK) BIAS -YSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=265 A14/AUTO/VERN, RCC SURVEY-PORT Step 3 cmplt, Init TRK			
OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)		MEAL	
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/VERN, RCC Survey-Port Step 12 cmplt, Init TRK			
	OBSS BERTH (PDRS, OBSS OPERATIONS)	OBSS BERTH (PDRS, OBSS OPERATIONS)	

Time scale: 07:00, 08:00, 09:00, 10:00; 20:00, 21:00, 22:00, 23:00, 00:00

Day 000: 14, 15, 16

BIAS +XSI

BIAS -YSI

8

STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 000 | STS ATI

MS1 MASTRACCHIO	MS3 WILSON	MS4 YAMAZAKI	MS5 ANDERSON	NOTES
EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	MEAL	EVA 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)	CWC-I FILL (ORB OPS, ECLS) Parts A-C FILL SETUP, FILL HOSE PURGE, and PURGE ASSEMBLY TEARDOWN.	
MEAL	MEAL	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPERATIONS)	MEAL	
	MIDDECK TRANSFER PREP Ref. MSG 002, item 4		MIDDECK TRANSFER PREP Ref. MSG 002, item 4	

Time scale: 07:00, 08:00, 09:00, 10:00; 20:00, 21:00, 22:00, 23:00, 00:00

Day 000: 14, 15, 16

BIAS +XSI

BIAS -YSI

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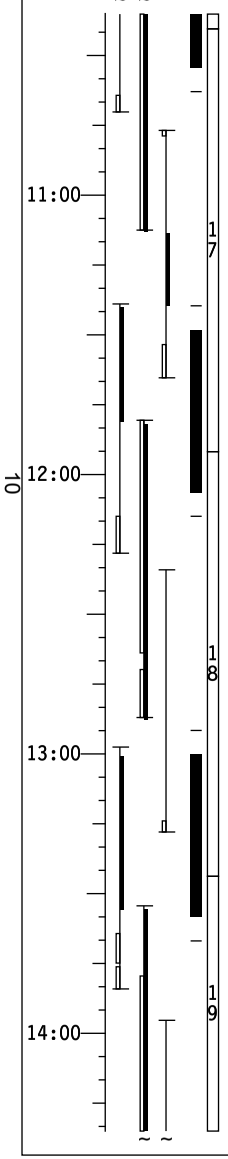
STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 001 | STS ATT



MET	CDR POINDEXTER	PLT DUTTON	MS2 METCALF-LINDENBURGER	NOTES
00:00	R2 BLR CNTLR/HTR (three) - B CRYO 02 TK HTR SNSR CK (ORB OPS, EPS)	OBSS BERTH (PDRS, OBSS OPERATIONS)	OBSS BERTH (PDRS, OBSS OPERATIONS)	
01:00	-ZLV -XVV		EXERCISE	
02:00	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC) XFEED RETURN: RCS (OPCL, RCS) Ignore Helium Valve Checks in Step 3 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	P/TV08 EXTERNAL SRVY (SETUP) Step 1 P/TV08 EXTERNAL SRVY (OPS) (P/TV, SCENES) Item 1, OMS Pod Srvy Best Lighting (01:50-02:33) P/TV08 EXTERNAL SURVEY (DEACTIVATION) (P/TV, SCENES) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
03:00	NC3 ON-ORBIT +X RCS BURN, MM 202 (ORB OPS, RCS) < NC3 TIG (01/03:10:36)	ON-ORBIT +X RCS BURN, MM 202 (ORB OPS, RCS)	ON-ORBIT +X RCS BURN, MM 202 (ORB OPS, RCS)	UPDATE ORBITAL MNVR PAD
04:00	-ZLV -XVV MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN, Init TRK PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	DOCKING MECHANISM INITIALIZATION DOCKING MECHANISM POWERUP DOCKING RING EXTENSION DOCKING MECHANISM POWERDOWN (RNDZ, APDS) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 001 | STS ATT

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

17 | 18 | 19

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

-ZLV -XVV | NC3 | -ZLV -XVV

MS1 MASTRACCHIO

EXERCISE

C/L CAMR INSTALL
(P/TV, C/L CAMR)
Setup & Align C/L Camera

FILTER CLEANING
(IFM, SCHEDULED MAINTENANCE)

FUEL CELL PURGE - MANUAL
(ORB OPS, EPS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 WILSON

MIDDECK TRANSFER PREP
Ref. MSG 002, item 4

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

P/TV09 MIDDECK PAYLOADS
(P/TV, SCENES)
SETUP
OPS, Item 3 for both AEMs
DEACTIVATION

AEM UNIT#1 CK (Cue Card)
AEM UNIT#2 CK (Cue Card)

NLP VACCINE-8 ACTIVATION
(ASSY OPS, PAYLOADS)
Activate GAPs A-P (MF710)

MERLIN STATUS CK (Cue Card)
GLACIER STATUS CK (Cue Card)
STL STATUS CK (Cue Card)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 YAMAZAKI

C/L CAMR INSTALL
(P/TV, C/L CAMR)
Setup & Align C/L Camera

SSV OUTRATE - 4

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DOCKING MECHANISM INITIALIZATION
DOCKING MECHANISM POWERUP
DOCKING RING EXTENSION
DOCKING MECHANISM POWERDOWN
(RNDZ, APDS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS5 ANDERSON

MIDDECK TRANSFER PREP
Ref. MSG 002, item 4

RNDZ TOOLS CHECKOUT
(RNDZ, RNDZ TOOLS)

EXERCISE

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

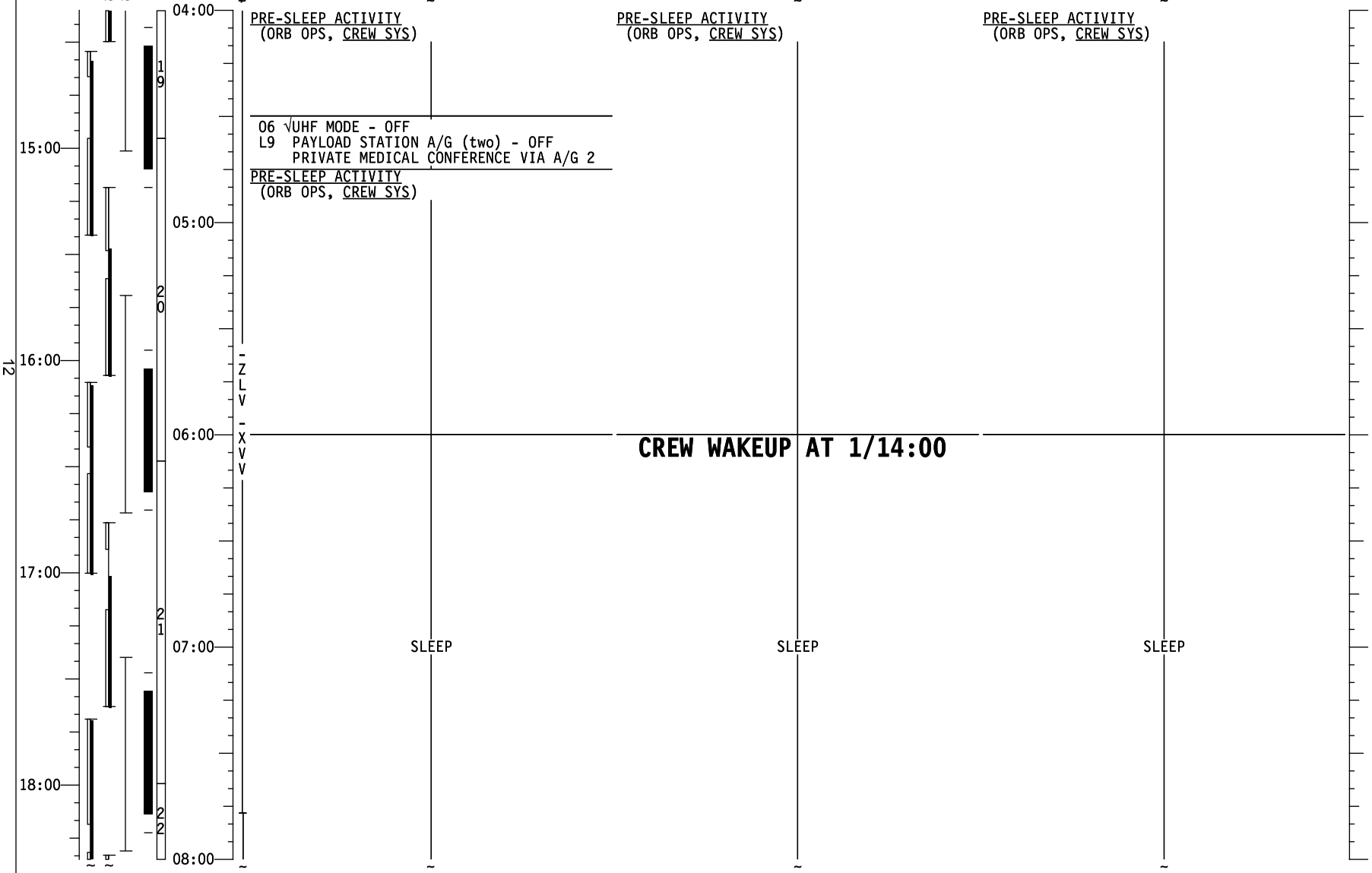
TFL 192

TFL 188

STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | TDRSE | Z | D/N | ORB | MET Day 001 | STS ATT | CDR POINDEXTER | PLT DUTTON | MS2 METCALF-LINDENBURGER | NOTES



PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

06 √UHF MODE - OFF
L9 PAYLOAD STATION A/G (two) - OFF
PRIVATE MEDICAL CONFERENCE VIA A/G 2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

CREW WAKEUP AT 1/14:00

SLEEP

SLEEP

SLEEP

12

STS-131/19A FD02

REPLANNED

GMT Date 04/06 (096) | W | T D R S E | Z | D / N | O R B | MET Day 001 | STS ATT

MS1 MASTRACCHIO | MS3 WILSON | MS4 YAMAZAKI | MS5 ANDERSON | NOTES

GMT	MET	MS1 MASTRACCHIO	MS3 WILSON	MS4 YAMAZAKI	MS5 ANDERSON
	04:00	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)
15:00	05:00				
16:00	06:00	CREW WAKEUP AT 1/14:00			
17:00	07:00	SLEEP	SLEEP	SLEEP	SLEEP
18:00	08:00				

STS ATT: -ZLV -XVV

DOR/NB: 19, 20, 21, 22

MSG 003A - FD02 MISSION SUMMARY

Discovery,

As you know, Ku is currently failed in COMM Mode for uplink and downlink. The status of RADAR Mode is unknown until you try it out on FD3.

The impacts for the loss of COMM Mode are:

1. Loss of Shuttle OCA capability until docked, when you can use ISS assets
2. Loss of all shuttle downlink video
3. Increased ratty comm (we normally use K-band to fill in when we have S-band ratty comm)

There are also impacts to the survey procedures:

- Replace Mode 6 with Mode 4 in all occurrences:
  OBSS LDRI/IDC RCC Survey - STBD; starting on page 7-9; Steps 1, 4c, 6 & 11
  OBSS LDRI/IDC RCC Survey - PORT; starting on page 7-35; Steps 6h & 11

Use the 40 minute small tapes. This will allow capability for downlink on ISS Assets. The reason for the change to Mode 4 is also related to downlinking via ISS assets – there are differences in how the data gets downlinked on the ISS side, resulting in compression artifacts. The flickering in Mode 6 is not expected to transition well with these compression artifacts, so we'd like to use Mode 4 instead.

YOUR CURRENT ORBIT IS: 180 X 138 NM

<u>NOTAMS:</u>

EDW - TEMP RWY IN USE. PERM RWY CLOSED FOR CONSTRUCTION.
EDW - LAKEBED RWYS RED.
NOR - LAKEBED RWYS GREEN.
ILM - DME DIW107 OTS.
FOK - RWY 06/24 CLOSED.
FMH - RWY 23 ALS OTS.
YYT - TACAN UYT23 AZIMUTH OTS.
YQX - TACAN YQX74 AZIMUTH OTS.
ESN - DME BUK90 OTS.
IKF - NOT USABLE. NO AGREEMENT.
BEN - NOT RECOMMENDED/NOT SUPPORTED.
The above NOTAMS are contained in the BLOCK 1 message.
The following NOTAMS are in addition to those contained in the BLOCK 1 message:
DOV - RWY 32 REIL OTS. (Rwy End Identifier Lights out of service)
ZZA - CLOSED.
GUA - RWY 24R REIL OTS. (Rwy End Identifier Lights out of service)

END OF PAGE 1 OF 3, MSG 003A

NEXT 2 PLS OPPORTUNITIES:

EDT22R	ORB 17 – 1/00:55	FEW250	7 310/6P9
EDT04L	ORB 33 – 2/01:13	SKC	7 050/4P6

OMS TANK FAIL CAPABILITY:

PRE NC-2:
L or R OMS FAILS: YES; ALWAYS BURN OUT OF PLANE

POST NC-2
L or R OMS FAILS: YES; SEE OOP WINDOW BELOW

LEAKING OMS PRPLT BURN:

L or R OMS LEAK: BURN OOP AN+78 <= TIG <= AN+29

OMS QUANTITIES(%)

L OMS	OX = 37.62	R OMS	OX = 37.34
	FU = 37.14		FU = 37.25

DELTA V AVAILABLE:

OMS	353 FPS
ARCS (TOTAL ABOVE QTY1)	57 FPS
TOTAL IN THE AFT	410 FPS
ARCS (TOTAL ABOVE QTY2)	86 FPS
FRCS (ABOVE QTY 1)	43 FPS
AFT QTY 1	88 %
AFT QTY 2	50 %

MSG 003A - FD02 MISSION SUMMARY

SYSTEM	FAILURE	IMPACT	WORK AROUND
EPS	Fuel Cell (FC) 2 H2 and FC 3 O2 flowmeters were erratic during Post Insertion.	Reduced insight into FC health. When working the FUEL CELL PURGE - MANUAL procedure (ORB OPS, EPS), the SM SPEC 69 reading for FC 2 FLOW H2 and FC 3 FLOW O2 may be inaccurate.	Inhibited onboard FDA via TMBU. MCC will monitor fuel cell health using other fuel cell parameters.
GNC	GPS 2 YETI (Y-Code Erroneous Tracking Incident) on Flight Day 1	GPS 2 hardware channel 1 could not track in the encrypted Y code. This is a known issue with the GPS firmware.	GPS 2 is performing nominally. Moding the receiver to INIT and back to NAV cleared the condition, and the channel is now tracking in Y code. Note that tracking in all C/A code (no encryption) is certified for entry.

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