STS-134 / ULF6

FD 16 Execute Package

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183	---	Original Wakeup Song/Face in Space Messages Scripts
184	18 – 19	Entry Day Fluid Loading/Anti-G Suit/Dosimeter Reminder
185	---	Endeavour Tribute Event Background Data
186	20 - 25	Entry Weather Summary

You should know after 134 shuttle flights that some disapproved Execute Package comedy will end up on FAO's Wall of Shame.

Approved by FAO:
M. Scheib
Last Updated: May 30 2011 8:51 PM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*

Michael Scheib

REPLANNED

GMT 05/30/11 (150) 13 14 15 16 17 18 19 20 21 22 23 05/31

MET Day 014 014/00 01 02 03 04 05 06 07 08 09 10 11 12

STS 134

FD15 | **FD16**

MNVR^

CDR MARK	♣ OMS^ PMC OCA PRE SLEEP	SLEEP		POST SLP
PLT BOX	PRE SLP	SLEEP	LOG	POST SLP
MS1 SPANKY	PRE SLEEP	SLEEP		POST SLP
MS2 ROBERTO	PRE SLEEP	SLEEP	LOG	POST SLP
MS3 DREW	PRE SLEEP	SLEEP		POST SLP
MS4 TAZ	PRE SLEEP	SLEEP	LOG	POST SLEEP

DAY/NIGHT

ORBIT: 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229

TDRS W E Z

ORB ATT: -ZLV -XVV

NOTES:
♣PRE SLEEP
^ACCUM REPRESS

REPLANNED

GMT 05/31/11 (151) — 01 02 03 04 05 06 07 08 09 10 11 12 — 015/00

MET Day 014 — 12 13 14 15 16 17 18 19 20 21 22 23

STS 134 — **FD16**

| | | |

REPLANNED

GMT 05/31/11 (151) 13 14 15 16 17 18 19 20 21 22 23 06/01

MET Day 015 015/00 01 02 03 04 05 06 07 08 09 10 11 12

STS 134

	FD16	FD17
CDR MARK	PRE SLEEP	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	GRPB	PWRUP	IMU
PLT BOX	PRE SLEEP	SLEEP	LOG	POST SLEEP	GRPB	PWRUP	POST SLEEP
MS1 SPANKY	PRE SLEEP	SLEEP	POST SLEEP
MS2 ROBERTO	PRE SLEEP	SLEEP	LOG	POST SLEEP
MS3 DREW	PRE SLEEP	SLEEP	POST SLEEP	PTV STOW
MS4 TAZ	PRE SLEEP	SLEEP	LOG	POST SLEEP	WATCH

DAY/NIGHT

ORBIT 237 238 239 240 241 242 243 244 245

TDRS W E Z

ORB ATT -ZLV -XVV

NOTES

MSG INDEX

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1. Post-Sleep Cryo Config

For today's post-sleep cryo config, O2 tanks 2 & 5 and H2 tanks 2 & 4 will be active. We are expecting to deplete H2 tank 4 and O2 tank 5 today.

R1 O2,H2 MANF VLV TK2 (two) - OP (tb-OP)
H2 TK3 HTRS A,B (two) - OFF

A11 CRYO TK4 HTR O2 A - OFF
HTRS H2 A,B (two) - AUTO

A15 CRYO TK5 HTR O2 A - AUTO

2. Pre-Sleep Cryo Config

√MCC for deltas prior to configuring for pre-sleep.

For tonight's pre-sleep cryo config, manifold 1 will be closed with O2 and H2 tanks 1 & 3 active.

A11 CRYO TK4 HTR O2 A - OFF

R1 O2 TK1 HTR A - AUTO
TK2 HTR A - OFF
TK3 HTR A -AUTO
H2 TK2 HTRS A,B (two) - OFF
TK3 HTRS A,B (two) - AUTO
O2,H2 MANF VLV TK1 (two) - CL (tb-CL)

3. Combo Dump Details

Today at MET 14/19:00, you will be performing a waste water dump followed by a condensate CWC dump.

Perform a waste water dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS), p.5-3. MCC will TMBU limits in B and K.

Dump the waste tank to 5%. Nozzle open time will be approximately 15 minutes.

After completing Step I-2 of SUPPLY/WASTE WATER DUMP, proceed to CWC OVERBOARD DUMP (ORB OPS, ECLS), p.5-39. Perform step A and proceed to Step D and subs. MCC will TMBU limits in steps B and H.

Dump CWC s/n 6006, which should be temp stowed on the middeck. Nozzle open time will be approximately 20 minutes.

Stow CWC s/n 6006 in MF57M.
Stow the WWD Filter in a ziplock bag and return it to the BOB located in MF43O.
Stow the 8' Y-Y hose in a separate ziplock bag and return it to the CHCK.

4. WLES
   WLES Ops are complete. You are GO for WLES DEACTIVATION AND TEARDOWN (ORB OPS, WLES SENSORS) at any time.

5. Outlook
   Prior to Ku Stow this afternoon, we will downlink your Outlook Personal Folders so that you may have them when you return to Houston. Please move any messages that you would like to keep from your INBOX, SENT ITEMS and UPLINKED BY CAPCOM folders to your Personal Folder before MET 14/17:00. We will also perform one final mail synch at the same time, to deliver any last messages you want to send. We will attempt to uplink the ost's as well, but it is dependent on ost size. We will not lock you out of your e-mail after this time so that you can still read your e-mail, but anything you change or write will be lost.

6. PAO
   Mark, Message 183 has the scripts for Original Wake up Song and Face In Space for you to record immediately following the PAO Event in Post Sleep. These messages will be posted to the website.

7. Replace pages 3-174 thru 3-183.

STS-134/ULF6 FD16

GMT Date 05/30 (150) | W | T D R S E | Z | D/N | O R B | MET Day 014 | ATT | CDR MARK | PLT BOX | MS1 SPANKY | NOTES

21:00 — 22:00 — 23:00 — 00:00

08:00 — 09:00 — 10:00 — 11:00 — 12:00

227 — 228 — 229

-ZLV -XVV

SLEEP (CDR MARK)

SLEEP (PLT BOX)

SLEEP (MS1 SPANKY)

FD16 CABIN STOW ACTIVITIES:
Remove loose items stored in A/L
Perform MS Seat Installation
Perform FLIGHTS WITH RETENTION NET
(REF DATA, ENTRY STOW)

FD16 EZ ACTIVITIES:
TEPC Status Check:
Verify display is backlit
Hard reboot: STS-2(WINDECOM), STS-8(KFX) & STS-4(RPOP)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

√HUM SEPS FOR H2O ACCUMULATION

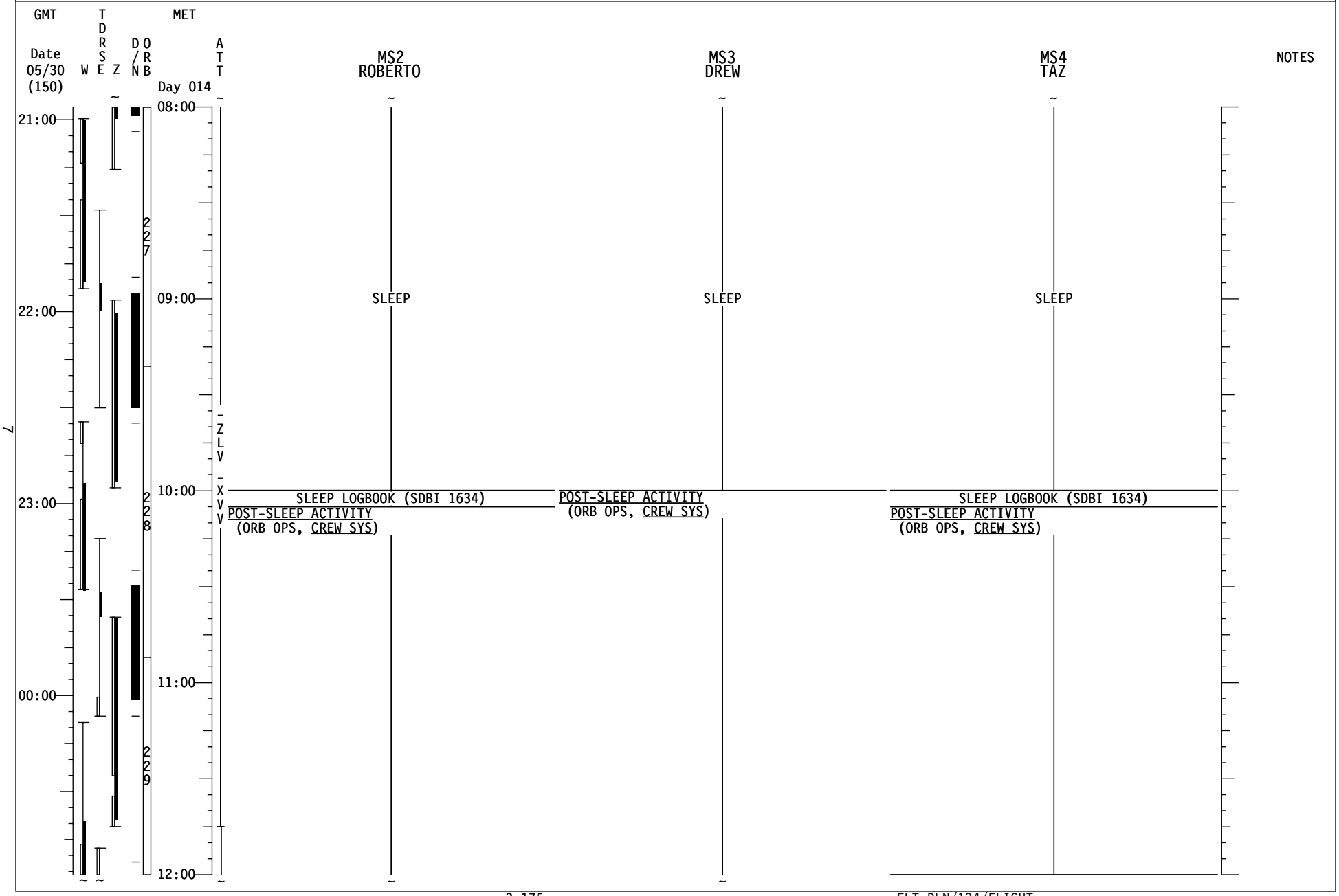
SLEEP LOGBOOK (SDBI 1634)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

< FUTURE LOADED MNVR INIT (COMM)

STS-134/ULF6 FD16



STS-134/ULF6 FD16

GMT Date 05/31 (151) | W E Z | DRS | D/N | ORB | MET Day 014 | ATT

CDR MARK | PLT BOX | MS1 SPANKY | NOTES

CDR MARK

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
KU AVAIL: TDRE 12:06-12:44
FD: All Crew
Ref. MSG 182

FACE IN SPACE, Ref. MSG 183 [B]

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

RCS/OMS POD HTR RECONFIG [C]

IMU STAR OF OPPORTUNITY ALIGN (ORB OPS,GNC)

FCS CHECKOUT (ORB OPS, GNC)

[B] KU AVAIL: TDRE 12:06-12:44

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

RCS HOT FIRE TEST (ORB OPS, RCS)

PILOT WITH RHC (ORB OPS, PGSC)

ENDEAVOUR TRIBUTE EVENT
KU AVAIL: TDRE 15:26-15:50
FD: All Crew
Ref. MSG 185

NLP TERMINATION (ASSY OPS, PAYLOADS)
Term NLP-Cells GAP 1 only
MF71C

PLT BOX

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

W/B STEAM VENT HTR ACT [A]

PUBLIC AFFAIRS EVENT
KU AVAIL: TDRE 12:06-12:44
FD: All Crew
Ref. MSG 182

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

FCS CHECKOUT (ORB OPS, GNC)

[A] W/B STEAM VENT HTR ACT
R2 √BLR CNTLR/HTR(three) - B
PWR (three) - ON

RCS HOT FIRE TEST (ORB OPS, RCS)

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

PILOT WITH RHC (ORB OPS, PGSC)

ENDEAVOUR TRIBUTE EVENT
KU AVAIL: TDRE 15:26-15:50
FD: All Crew
Ref. MSG 185

SUPPLY WATER DUMP USING FES (ORB OPS, ECLS)
Perform DUMP INITIATION using FES PRI B

MS1 SPANKY

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PUBLIC AFFAIRS EVENT
KU AVAIL: TDRE 12:06-12:44
FD: All Crew
Ref. MSG 182

FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)

EXERCISE

CABIN CONFIG/STOW

ENDEAVOUR TRIBUTE EVENT
KU AVAIL: TDRE 15:26-15:50
FD: All Crew
Ref. MSG 185

NOTES

TFL 161

STS-134/ULF6 FD16

GMT Date 05/31 (151) | TDRS W E Z | DO/N ORB | MET Day 014 | ATT

MS2 ROBERTO

- 12:00–16:00: POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- PUBLIC AFFAIRS EVENT — KU AVAIL: TDRE 12:06-12:44 — FD: All Crew — Ref. MSG 182
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- CGBA STATUS CHK; GLACIER STATUS CHK (CC)
- FCS CHECKOUT (ORB OPS, GNC)
- D RECONFIGURE OCA DOWNLINK RATE (2 Mbps) (ORB OPS, PGSC) Part D then A — Omit step 4
- RCS HOT FIRE TEST (ORB OPS, RCS)
- EXERCISE
- ENDEAVOUR TRIBUTE EVENT — KU AVAIL: TDRE 15:26-15:50 — FD: All Crew — Ref. MSG 185

MS3 DREW

- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- OCA RATE RECONFIG (2 Mbps) D
- PUBLIC AFFAIRS EVENT — KU AVAIL: TDRE 12:06-12:44 — FD: All Crew — Ref. MSG 182
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- EXERCISE
- CABIN CONFIG/STOW
- STORRM DEACT (RNDZ, RNDZ TOOLS) Steps 8-10, 12-19
- ENDEAVOUR TRIBUTE EVENT — KU AVAIL: TDRE 15:26-15:50 — FD: All Crew — Ref. MSG 185
- RECONFIGURE OCA DOWNLINK RATE (48 Mbps) (ORB OPS, PGSC) Part C, Omit Step 4

MS4 TAZ

- HD DIGITAL CC DLNLK (PHOTO/TV, CANON G1)
- PUBLIC AFFAIRS EVENT — KU AVAIL: TDRE 12:06-12:44 — FD: All Crew — Ref. MSG 182
- POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- FCS C/O CAMR SETUP (PHOTO/TV, REF PROC)
- SSV DEACTIVATION (PHOTO/TV, SSV)
- EXERCISE
- CABIN CONFIG/STOW
- ENDEAVOUR TRIBUTE EVENT — KU AVAIL: TDRE 15:26-15:50 — FD: All Crew — Ref. MSG 185
- ENTRY VIDEO SETUP (PHOTO/TV, REFERENCED PROCEDURES)

NOTES

STS-134/ULF6 FD16

GMT Date 05/31 (151) | W | TDRS E | Z | D/N | ORB | MET Day 014 | ATT

05:00 06:00 07:00 08:00

232 233 234

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

-ZLV -XVV

RAMBO

-ZLV +YVV

CDR MARK	PLT BOX	MS1 SPANKY	NOTES
MEAL	MEAL	MEAL	
LANDING-1 COMM C/O (ORB OPS, COMM/INST) MLA AOS 17:02-17:07	VISION EXAM Complete Exam and Questionnaire with uncorrected vision. Visual Acuity Charts = MAK, MF28H Questionnaire= Tonopen Assembly Kit,MA9D/F	VISION EXAM Complete Exam and Questionnaire with uncorrected vision. Visual Acuity Charts = MAK, MF28H Questionnaire= Tonopen Assembly Kit,MA9D/F	
DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	DEORBIT PREP BRIEFING	
VISION EXAM Complete Exam and Questionnaire with uncorrected vision. Visual Acuity Charts = MAK, MF28H Questionnaire= Tonopen Assembly Kit,MA9D/F	PCS 1(2) CONFIG (ORB OPS, ECLS) Configure to PCS 2	FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	
FES DUMP TERMINATION [E]	I'CNCT TK SWITCH: FROM R TO L OMS FEED (OPCL, RCS)		
RAMBO-2 PROCEDURE (ORB OPS, P/L OF OPP) Ref. MSG 178	RAMBO-2 PROCEDURE (ORB OPS, P/L OF OPP) Ref. MSG 178		
[E] SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Perform DUMP TERMINATION with FES PRI B remaining OFF			
MNVR (TRK) -ZLV +YVV (DUMP) TG=2 BV=3 OM=270 A1/AUTO/VERN Init TRK			
I'CNCT RETURN (OPS 2,3) (OPCL, RCS)			
ON MCC GO: SUPPLY WATER DUMP USING FES (ORB OPS, ECLS) Perform DUMP INITIATION using FES PRI B	EXERCISE	CABIN CONFIG/STOW	
EXERCISE			
	CABIN CONFIG/STOW		

10

STS-134/ULF6 FD16

GMT Date 05/31 (151) | W | T D R S E Z | D/N | O R B | MET Day 014 | ATT

MS2 ROBERTO | MS3 DREW | MS4 TAZ | NOTES

05:00 06:00 07:00 08:00

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

ATT: -ZLV -XVV -RAMBO- -ZLV+YVV

232 233 234

MS2 ROBERTO

MEAL

VISION EXAM Complete Exam and Questionnaire
with uncorrected vision.
Visual Acuity Charts = MAK, MF28H
Questionnaire= Tonopen Assembly Kit,MA9D/F

DEORBIT PREP BRIEFING

CABIN CONFIG/STOW

SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS)
Initiate Waste Dump
Ref. MSG 180 Item 3

SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS)
Terminate Waste Dump

CWC OVERBOARD DUMP (Init)
(ORB OPS, ECLS)
Perform Parts A-D, Ref. MSG 180 Item 3

MS3 DREW

MEAL

VISION EXAM Complete Exam and Questionnaire
with uncorrected vision.
Visual Acuity Charts = MAK, MF28H
Questionnaire= Tonopen Assembly Kit,MA9D/F

DEORBIT PREP BRIEFING

FLUID LOADING PREP
Fill drink containers per MSG 184

CABIN CONFIG/STOW

MS4 TAZ

ENTRY VIDEO SETUP
(PHOTO/TV, REFERENCED PROCEDURES)

MEAL

DEORBIT PREP BRIEFING

VISION EXAM Complete Exam and Questionnaire
with uncorrected vision.
Visual Acuity Charts = MAK, MF28H
Questionnaire= Tonopen Assembly Kit,MA9D/F

CABIN CONFIG/STOW

11

STS-134/ULF6 FD16

GMT Date 05/31 (151) | W | T D R S E | Z | D/N | O R B | MET Day 014 | ATT

CDR MARK

EXERCISE

CABIN CONFIG/STOW

LANDING-1 COMM C/O
(ORB OPS, COMM/INST)
DFR AOS 21:40-21:48

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

ENTRY COOLING CONFIG [F]
FES DUMP TERMINATION [G]
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

[F] R12 √VPU PWR - OFF(LED-off)
Minimize use of P/TV equipment
Dim cabin lighting to 25%

[G] SUPPLY WATER DUMP USING FES
(ORB OPS, ECLS)
Perform DUMP TERMINATION
√MCC for FES PRI A - ON

O6 √UHF MODE - OFF
L9 PS AUD A/G 1,2 (two) - OFF
PRIVATE MEDICAL CONFERENCE, via A/G 2

C3 OMS ENG LEFT - ARM/PRESS (Wait 5 Seconds)
- OFF

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PLT BOX

CABIN CONFIG/STOW

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

CABIN CONFIG/STOW

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 SPANKY

CABIN CONFIG/STOW

A6L MADS STRAIN GAGE - ON
KU-BD ANT STOW (ORB OPS, COMM/INST)
Deactivate CCTV

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

12

STS-134/ULF6 FD16

GMT Date 05/31 (151) | W | TDRS E | Z | D/N | ORB | MET Day 014 | ATT | MS2 ROBERTO | MS3 DREW | MS4 TAZ | NOTES

09:00 | 10:00 | 11:00 | 12:00

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

ORB: 235 | 236 | 237

ATT: ZLV-XVV

MS2 ROBERTO

CWC OVERBOARD DUMP (Term)
(ORB OPS, ECLS)
Perform Parts E-G

CABIN CONFIG/STOW

P/TV09 MIDDECK PAYLOADS
(PHOTO/TV, SCENES) Item 7 Video

BIOKIS OPERATIONS
(ASSY OPS, PAYLOADS) Steps 4-6

KU-BD ANT STOW (ORB OPS, COMM/INST)
Deactivate CCTV

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 DREW

CABIN CONFIG/STOW

ENTRY AIRLOCK CONFIG
(DEORBIT PREP, NOMINAL DEORBIT PREP)
Perform Block 3A, pg. 1-32

CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW

WLES DEACTIVATION AND TEARDOWN
(ORB OPS, WLE SENSORS)

PGSC STOW
Stow all STS PGSCs except WINDECOM
Stow COLOR PRINTER and WAP

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 TAZ

CABIN CONFIG/STOW

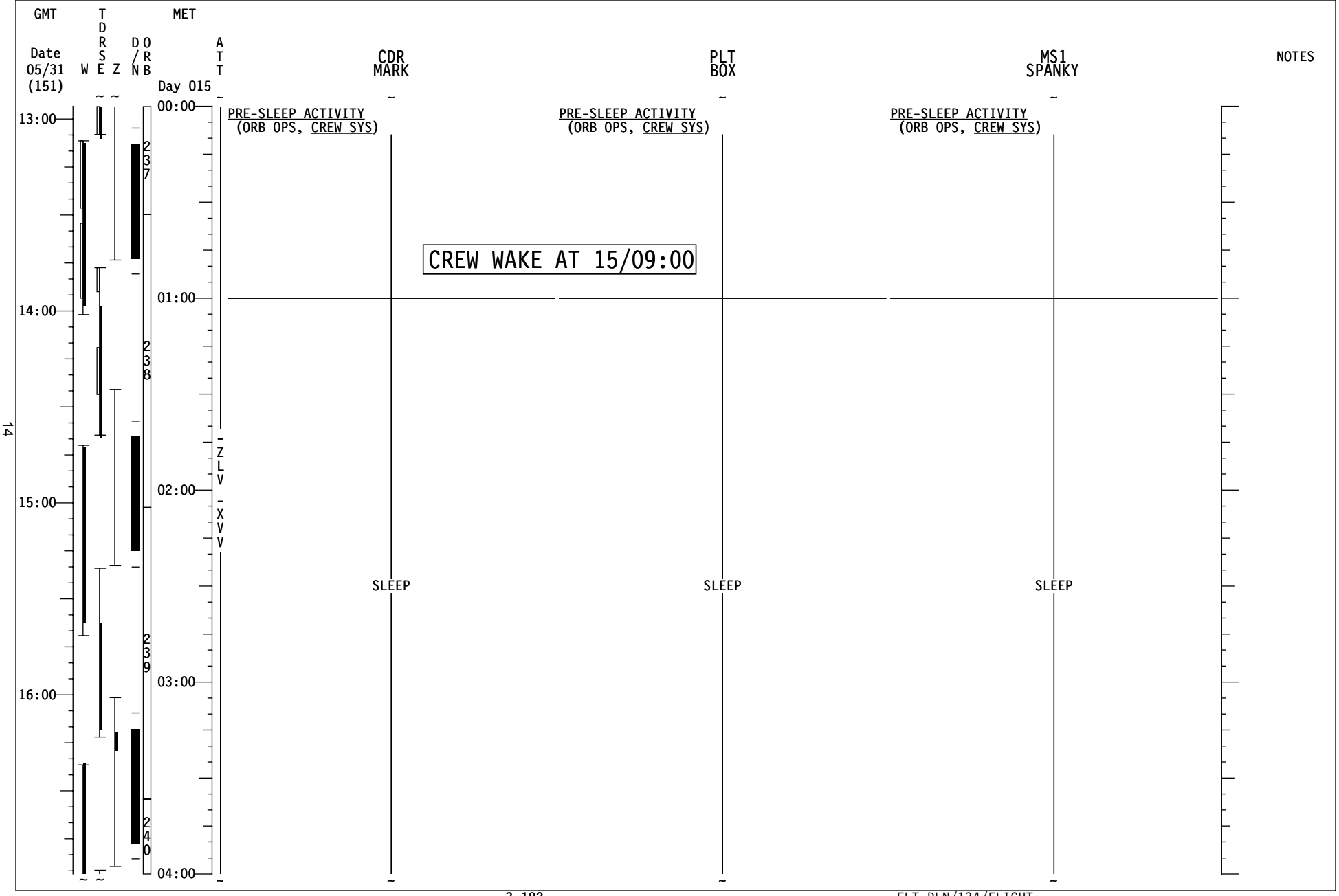
CYCLE ERGOMETER OPS
(ORB OPS, CREW SYS)
Perform RECONFIG/STOW

CUBE LAB MODULE-7 DEACTIVATION
(ASSY OPS, PAYLOADS) Syringes 5, 6, & 8

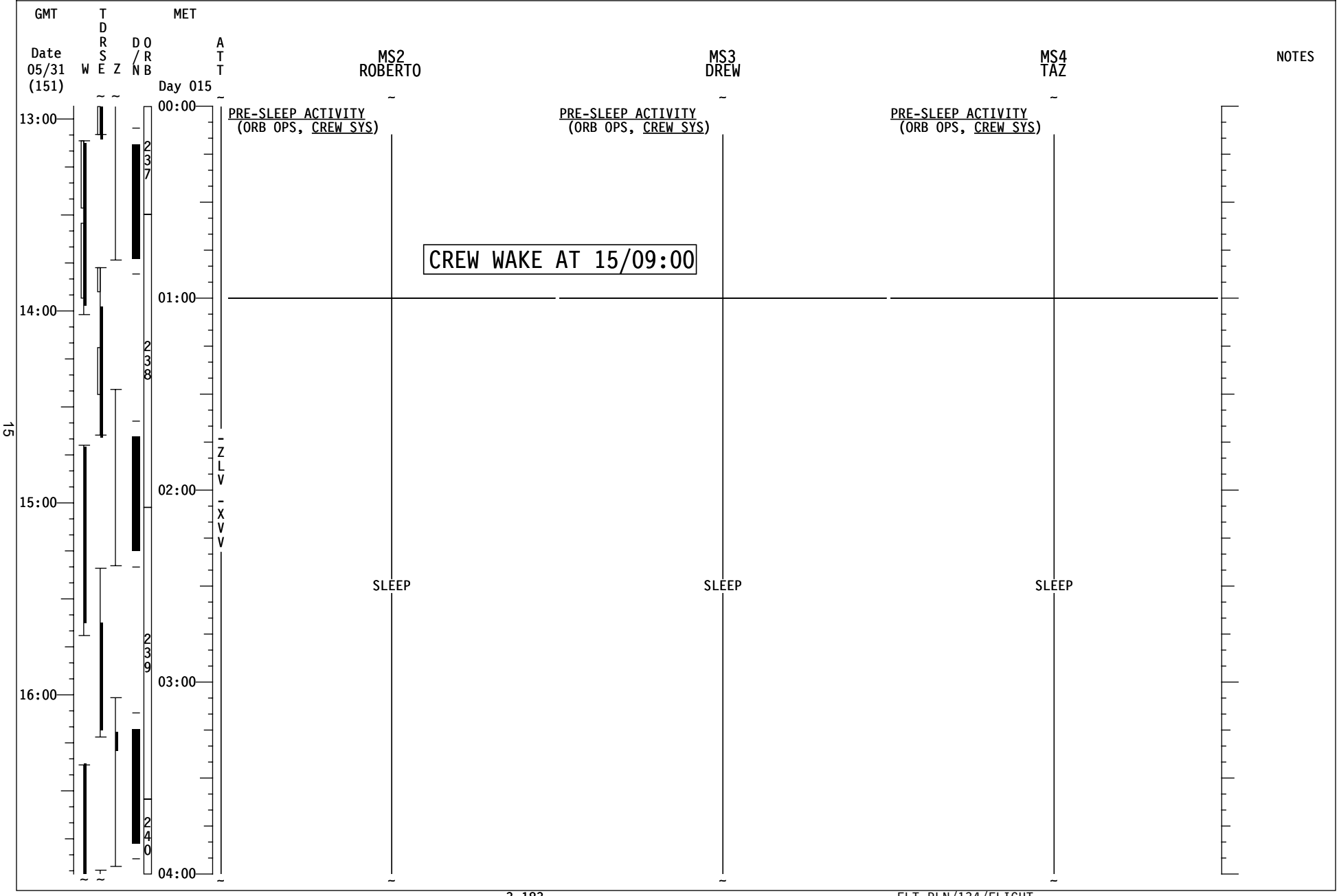
CGBA STATUS CHK; GLACIER STATUS CHK (CC)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-134/ULF6 FD16



STS-134/ULF6 FD16



MSG 181A - FD16 MISSION SUMMARY

Good Morning Endeavour!!!!
Thanks for a superb mission!! It was the perfect addition to Endeavour's legacy!!!
Have a happy "packing up" and entry prep day!!!

YOUR CURRENT ORBIT IS: 187 X 181 NM

NOTAMS -

EDW -	EDW 22L/04R IN USE. EDT 22R/04L EMERGENCY DAY USE ONLY.
EDW -	LAKEBED RWYS RED.
NOR -	LAKEBED RWYS GREEN.
FMH -	UNDERRUNS/OVERRUNS NOT AVAILABLE.
EDF -	RWY 06/24 CLSD.
NTU -	RWY 05R/23L CLSD.
FFA -	NOT USABLE. IN CARETAKER STATUS.
LAJ -	RWY WIDTH REDUCED TO 154' - EAST SIDE OF RWY CLSD.
BEN -	NOT USABLE. NOT SUPPORTED.
IKF -	NOT USABLE. NO AGREEMENT.

NEXT 2 PLS OPPORTUNITIES:

EDW22	ORB 234 – 14/19:19	SKC	7	220/8P12
EDW22	ORB 250 – 15/19:42	SCT200	7	220/14P21

OMS TANK FAIL CAPABILITY:

NO

LEAKING OMS PRPLT BURN:

L or R OMS LEAK: ALWAYS BURN RETROGRADE

OMS QUANTITIES(%)

L OMS	OX = 33.23	R OMS	OX = 34.28
	FU = 33.24		FU = 33.95

FOR CURRENT QTYS, SUBTRACT INCN'T COUNTER

DELTA V AVAILABLE:

OMS	330 FPS
ARCS (TOTAL ABOVE QTY1)	42 FPS
TOTAL IN THE AFT	372 FPS
ARCS (TOTAL ABOVE QTY2)	75 FPS
FRCS (ABOVE QTY 1)	0 FPS
AFT QTY 1	66 %
AFT QTY 2	28 %

END OF PAGE 1 OF 2, MSG 181A

SYS	FAILURE	IMPACT	WORK AROUND
EPS	FC2 Cell Performance Monitor failed several self-tests on Substack 1 (SS1). The Spec 69 indication displays OSH (or ~500) until the next self-test. This instrumentation can also be found on PASS and BFS SM SYS SUMM 1.	While the self-test is failed, there is reduced insight into the health of FC2.	FC2 SS1 FDA is inhibited. Bus tied B-C and FCMS data takes will be performed for additional insight into FC2 health. “S69 Delta Amps 2” FDA is enabled to alert the crew of any performance changes between FC2 and 3. If the message is received while MCC is unavailable, work FC DELTA V (OPCL, EPS).

Fluid Loading:

Fluid loading water for both landing opportunities on Entry Day should be pulled today. Pulling water for fluid loading on EOM-1 will help maximize Supply Water quantities to support maximum De-orbit landing opportunities. Report to MCC when complete.

The following is the prescription for fluid loading on Entry Day:

Initiate fluid loading at 1 hour before TIG. Consume 8 ounces of water or artificially sweetened (A/S) drink with two salt tablets, every 15 minutes. Fluid loading must be completed by Entry Interface (EI).

Nominal Fluid Load

CREWMEMBER	FLUID	TOTAL # OF SALT TABLETS
CDR (Kelly)	24 oz Orange Ade 16 oz Lemon Lime Ade	0 Salt Tablets
PLT (Johnson)	48 oz Water	12 Salt Tablets
MS1 (Fincke)	40 oz Water	10 Salt Tablets
MS2 (Vittori)	40 oz Water	10 Salt Tablets
MS3 (Feustel)	40 oz Orange Drink w/ A/S	10 Salt Tablets
MS4 (Chamitoff)	48 oz Water	12 Salt Tablets

Note: Pre-packaged volume may exceed prescribed quantity. Fluid loading bags may be filled the night before and consumed within 30 hours of filling. Fluid loading bags not consumed within this time should be discarded and new bags filled for use.

If there is a one orbit wave-off and fluid loading was completed on the previous de-orbit attempt, then the following prescription should be completed by EI:

Wave-Off Fluid Load

CREWMEMBER	FLUID	TOTAL # OF SALT TABLETS
CDR (Kelly)	8 oz Orange Ade 16 oz Lemon Lime Ade	0 Salt Tablets
PLT (Johnson)	24 oz Water	6 Salt Tablets
MS1 (Fincke)	24 oz Water	6 Salt Tablets
MS2 (Vittori)	24 oz Water	6 Salt Tablets
MS3 (Feustel)	24 oz Orange Drink w/ A/S	6 Salt Tablets
MS4 (Chamitoff)	24 oz Water	6 Salt Tablets

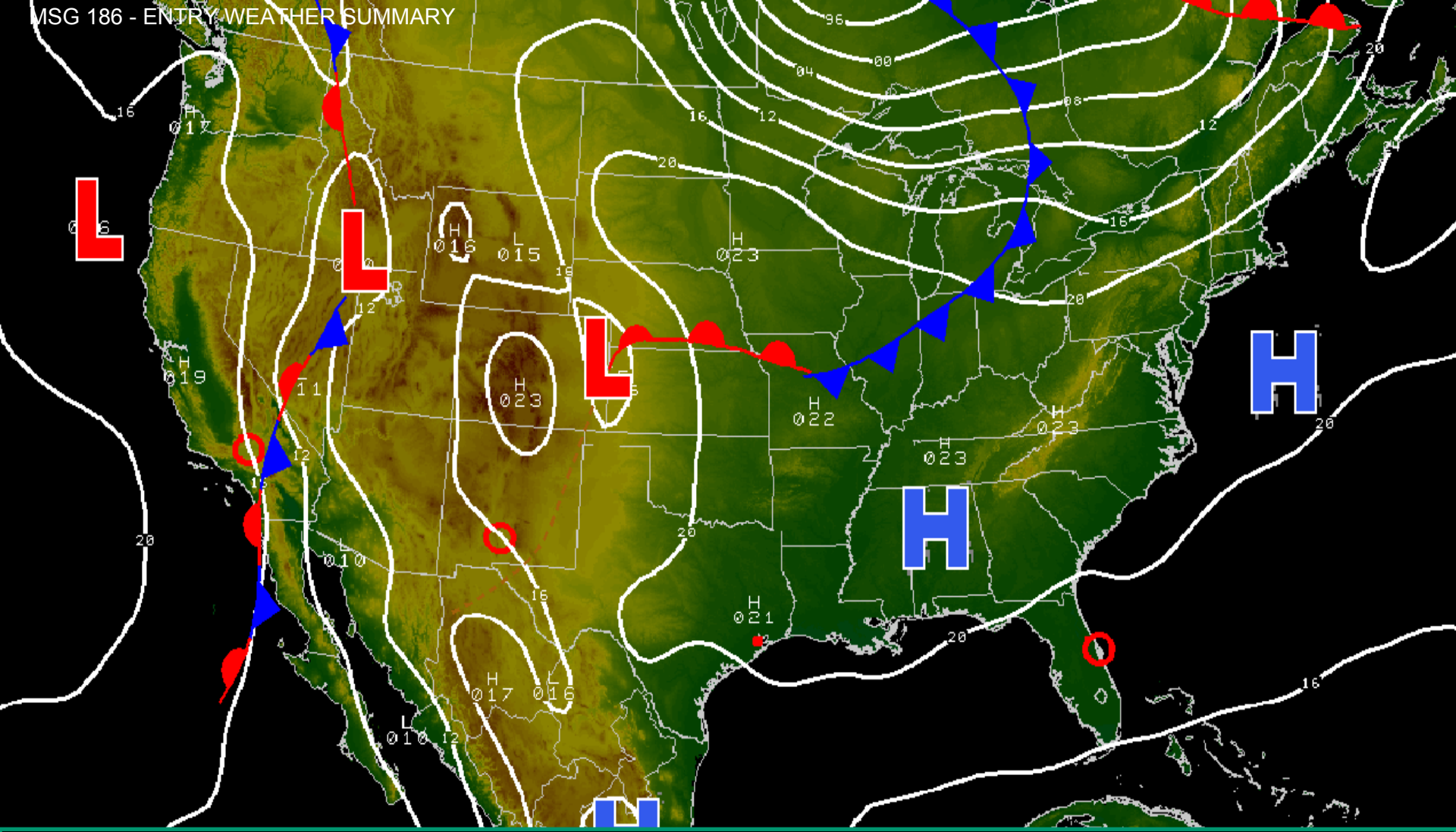
If there is a greater than one orbit wave-off or a partial fluid load was performed on the previous de-orbit attempt then the entire protocol above should be repeated.

Anti-G Suit Operations:

Anti-G suits must be inflated to 0.5 psi (one click) at or near entry interface and to at least 1.0 psi (two clicks) at one G.

Dosimeter Reminder:

Ensure that all dosimeters are stowed in your ACES suits.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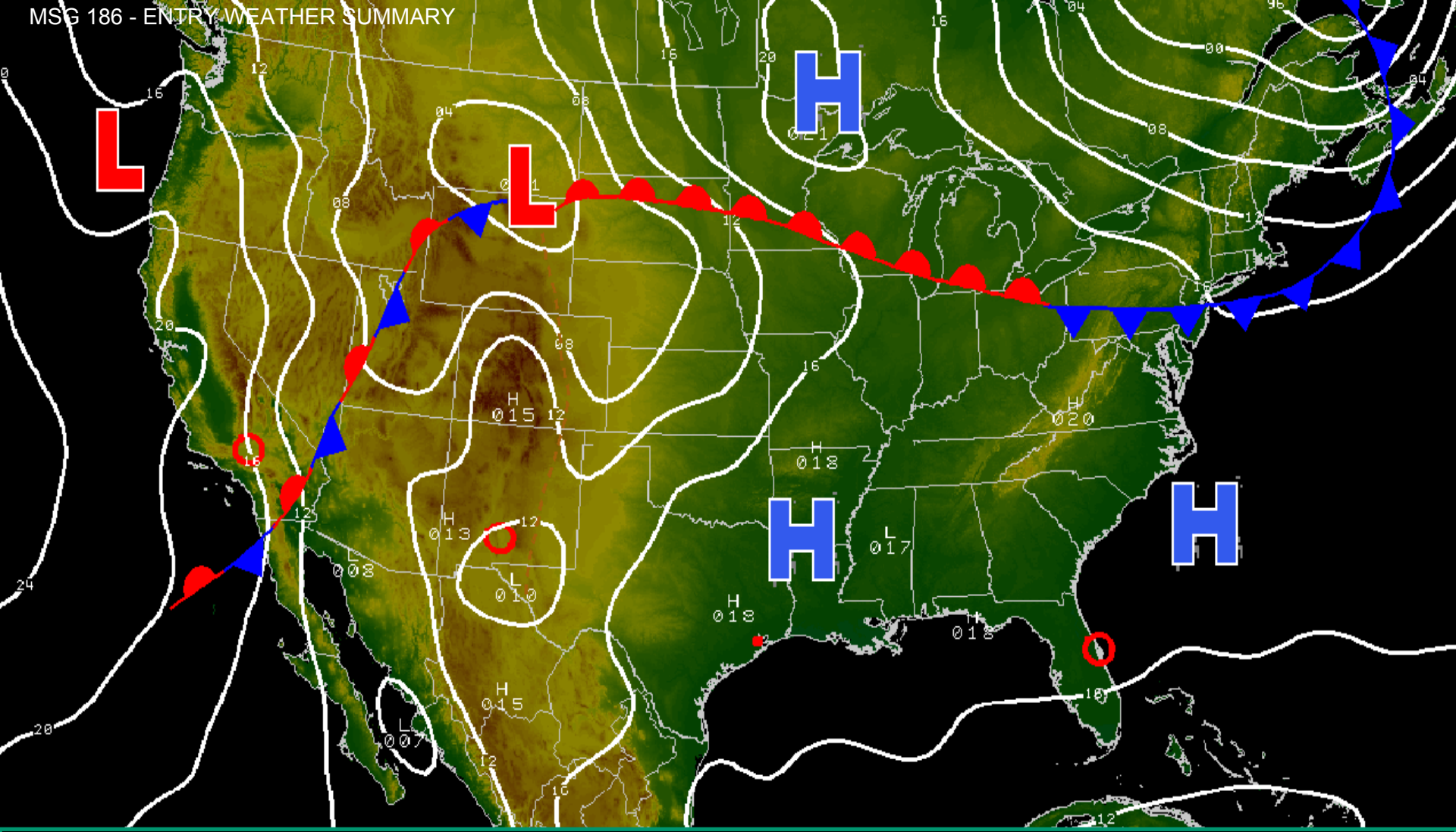
End-of-Mission (EOM) Forecasts

STS-134

ISSUED: Monday May. 30, 2011 1300Z
Monday May. 30, 2011 0800CDT

KSC	Valid: Wednesday 0635 UTC		
	Valid: Wednesday Jun 01 0135 CDT		
	SCT025	7 SM	08009P14 KT
			RWY 15/33 X=14 H/T=4
KSC[21]	Valid: Wednesday 0810 UTC		
	Valid: Wednesday Jun 01 0310 CDT		
	SCT025	7 SM	08007P11 KT
			RWY 15/33 X=11 H/T=3
EDW	Valid: Wednesday 0940 UTC - 1116 UTC		
	Wednesday Jun 01 0440 CDT - 0616 CDT		
	SCT200	7 SM	22014P21 KT
			RWY 22/04 X=2 H/T=21
NOR	Valid: Wednesday 0807 UTC - 0942 UTC		
	Wednesday Jun 01 0307 CDT - 0442 CDT		
	FEW100 BKN250	7 SM	12011P17 KT
			RWY 17/35 X=14 H/T=10



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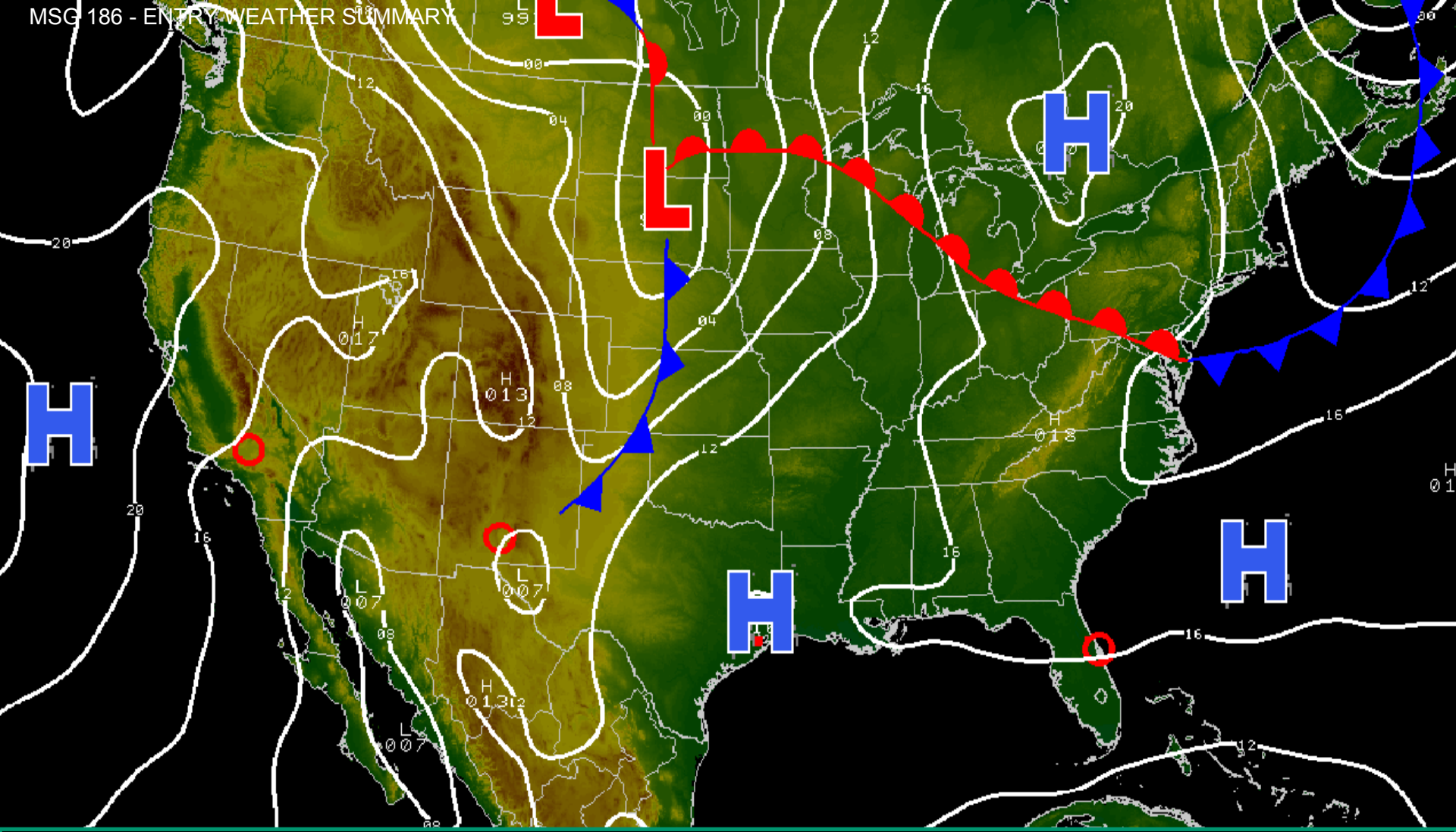
Thursday (EOM+1) 06/02/11 02/05Z-02/11Z

End-of-Mission+1 Day (EOM+1) Forecasts

STS-134

ISSUED: Monday May. 30, 2011 1300Z
Monday May. 30, 2011 0800CDT

KSC	Valid: Thursday 0523 UTC - 0658 UTC		
	Thursday Jun 02 0023 CDT - 0158 CDT		
23	SCT020 BKN250	7 SM	09010P16 KT
			RWY 15/33 X=15 H/T=7
EDW	Valid: Thursday 0828 UTC - 1003 UTC		
	Thursday Jun 02 0328 CDT - 0503 CDT		
	SCT250	7 SM	24015P23 KT
			RWY 22/04 X=6 H/T=22
NOR	Valid: Thursday 0830 UTC - 1005 UTC		
	Thursday Jun 02 0330 CDT - 0505 CDT		
	FEW100 BKN250	7 SM	14010P15 KT
			RWY 17/35 X=9 H/T=12



Spaceflight Meteorology Group
Johnson Space Center

Friday (EOM+2) 06/03/11 03/05Z-03/11Z

End-of-Mission+2 Days (EOM+2) Forecasts

STS-134

ISSUED: Monday May. 30, 2011 1300Z
Monday May. 30, 2011 0800CDT

KSC	Valid: Friday 0546 UTC - 0721 UTC		
	Friday Jun 03 0046 CDT - 0221 CDT		
	SCT020 BKN250	7 SM	09010P16 KT
			RWY 15/33 X=15 H/T=7
EDW	Valid: Friday 0851 UTC - 1026 UTC		
	Friday Jun 03 0351 CDT - 0526 CDT		
	SCT250	7 SM	26011P16 KT
			RWY 22/04 X=9 H/T=13
NOR	Valid: Friday 0717 UTC - 0852 UTC		
	Friday Jun 03 0217 CDT - 0352 CDT		
	SCT080 BKN250	7 SM	15007P12 KT
			RWY 17/35 X=5 H/T=11