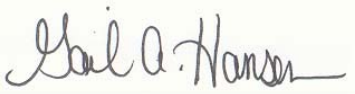
STS-129 / ULF3

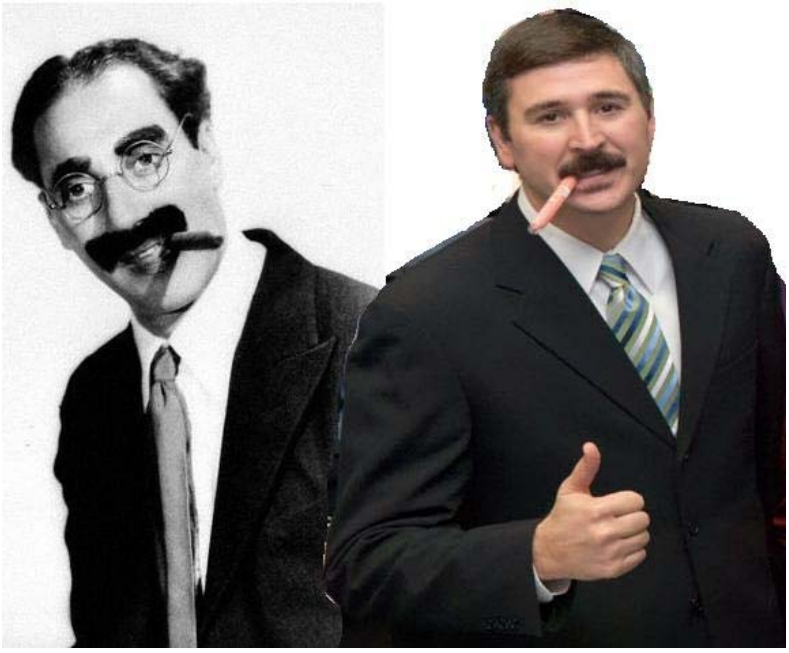
FD 10 Execute Package

MSG	Page(s)	Title
091A	1 - 15	FD10 Flight Plan Revision
092	16 - 17	FD10 Mission Summary
093	18	FD09 MMT Summary
095	19	FD10 Crew Choice Downlink
096	20 - 25	FD10 EOM Wx Charts

Approved by FAO:
Gail Hansen



Twins Separated at Birth



Last Updated: Nov 25 2009 5:02 AM GMT
***JEDI** (**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*

Top 10 pet names for Sarafin’s Mustache:

38. The Big Bear
37. I have a Mustache?
36. The Sarafin Everglades
35. Man-fro
34. Afternoon lunch snack holder
33. The Very hungry caterpillar
32. Scorch
31. The Tickler
30. Bobby
29. My Pirate
28. Spare Hair
27. Foo-Man-Mike
26. Baby
25. Fine lip vine?
24. Fluffy
23. Itchy and scratchy
22. Thrust 'stache
21. "His mustache? What about that thing on his chin?"
20. Tom Selleck, Jr.
19. The Most Interesting Mustache in the World
18. The Nineteen Seventy Special
17. My Little Mid-Life Crisis
16. Friday Night Conversation Starter
15. My Corvette
14. Mini-Mike
13. The Hasbrook
12. Thunder-stache
11. Mustachio the Magnificent
10. Chester-stache?
9. Flight-stachio Fantastico
8. The 8th Pillar of Flight Control
7. NSTS-998Z9 Facial Annex Flight Rule Volume 1
6. Moose
5. Bo’Rat
4. Chewy
3. Groucho
2. Mario

And the number 1 pet name:

1. The Puma

MSG INDEX

MSG NO.	TITLE
129-091	FD10 Flight Plan Revision
129-092	FD10 Mission Summary
129-093	FD09 MMT Summary
129-094	FD11 PAO Look Ahead
129-095	FD10 Crew Choice Downlink
129-096	FD10 EOM Wx Charts

1. Post-Sleep Cryo Config

   For today's Post-Sleep cryo config, O2 Tanks 2 and 4 and H2 Tanks 1 and 2 will be active. O2 tanks will have single heaters active.

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

   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 Tanks 1 and 4 and H2 Tanks 1 and 3 active. O2 tanks will have single heaters active.

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

2. The PDRS team noticed that there was a short RHC pitch input after entering End Effector mode for both ELC ungrapples (prior to snare opening). We speculate that this coincides with raising up the RHC trigger guard; please let us know if you think otherwise. For OBSS release today, PDRS recommends exercising caution when raising the trigger guard up (being careful to not deflect the hand controller), or raising it prior to entering End Effector mode for the backoff.

3. MDS STATUS CHECK

   Reminder for Nicole. The MDS STATUS CHECK procedure was rung separately preflight per crew request. It is located in the INTERNATIONAL SPACE STATION MDS Book, and is the only procedure in that book. It may still be in the FDF/SODF locker (MF57E).

   Note: the same procedure is in the ASSEMBLY OPS book, on page 303, if you'd rather use that.

4. WASTE WATER DUMP
   At 8/16:30 MET, perform a waste water dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS), p.5-2. MCC will TMBU limits in steps B and K. After waste dump termination, perform step J-1.

   Dump the waste tank to 5%. Nozzle open time will be approximately 35 minutes.

5. SHUTTLE CONDENSATE COLLECTION TEARDOWN
   Perform TEARDOWN in SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS), p. 5-40. Place the Y-Y Condensate Hose in a ziplock bag. Temp stow the hose and CWC s/n 6008 for use during the FD11 condensate dump.

6. OUTLOOK File Sizes:
   We know you were very busy with hatch closure yesterday and you didn't get to it, however your outlook file sizes are large. Due to the lower uplink speed available when undocked from ISS, it takes a long time to uplink your mail and impacts imagery downlink. Please move as much mail as possible from your inbox and sent mail folders to your personal folders.

7. REPLACE PAGES 2-32, 2-34 AND 2-36, 3-102 THROUGH 3-111.

REPLANNED

FD09

GMT 11/24/09 (328) 20 21 22 23 11/25 01 02 03 04 05 06 07

MET Day 008 008/00 01 02 03 04 05 06 07 08 09 10 11 12

FD10

STS-129

CDR HOBAUGH	PMC A/G	EXERCISE	PRE SLEEP	SLEEP	LOG POST SLEEP
PLT WILMORE	EXER CISE	PRE SLEEP		SLEEP	LOG POST SLEEP
MS1 MELVIN	EXER CISE	PRE SLEEP		SLEEP	LOG POST SLEEP
MS2 BRESNIK	PRE SLEEP			SLEEP	LOG POST SLEEP
MS3 FOREMAN	PRE SLEEP			SLEEP	POST SLEEP
MS4 SATCHER	PRE SLEEP			SLEEP	LOG POST SLEEP
MS5 STOTT	PRE SLEEP			SLEEP	LOG POST SLEEP

DAY/NIGHT

ORBIT 128 129 130 131 132 133 134 135

TDRS W E Z

ATTITUDE BIAS -XLV -ZVV

NOTES

REPLANNED

FD10
GMT 11/25/09 (329)
MET Day 008

08 09 10 11 12 13 14 15 16 17 18 19
12 13 14 15 16 17 18 19 20 21 22 23 009/00

STS-129

CDR HOBAUGH	POST SLEEP	GRPB	PWRUP	H/O	MNVR	UNDOCK	PSLP	UNDOCK	OPS	FLYAROUND SEP1^	SEP	^SEP2 MNVR	DUMP	WASTE	INIT	MEAL	WASTE	TERM	IMU	COND	T/D	MNVR	STBD	EXERCISE	MNVR	NOSE	MNVR	PORT	MNVR	Z-CNCT*	I-CNCT*
PLT WILMORE	POST SLEEP	PCSACT	SSV-3	UNDOCK	OPS	FLYAROUND	SEP	HTRB	OIU#	SSV-4	GRPB	PWRDN	MEAL	OBSS UNBERTH	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	OBSS BERTH													
MS1 MELVIN	POST SLEEP	MCIU	UNDOCK	OPS	FLYAROUND	SEP	COMM1	SOR	DEACT	MEAL	OBSS UNBERTH	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	OBSS BERTH																
MS2 BRESNIK	POST SLEEP	GRPB	PWRUP	POST SLEEP	UNDOCK	OPS	FLYAROUND	SEP	CAT	GRPB	PWRDN	MEAL	STBD WING SURVEY	NOSE CAP SURVEY	PORT WING SURVEY	EXERCISE															
MS3 FOREMAN	POST SLEEP	MDDKCK	P/TV03 UNDOCK					PTVO3	DELACT	OPSBK	MEAL	EVA UNPACK & STOW	PST ISS EVA ENT PREP	EXERCISE	MDDKCK																
MS4 SATCHER	POST SLEEP	UNDOCK	OPS	FLYAROUND	SEP	POST UNDK PGSC CNFG	MEAL	EVA UNPACK & STOW	PST ISS EVA ENT PREP	EXERCISE	NLP OPS	LDRI DNLK																			
MS5 STOTT	POST SLEEP	UNDOCK	OPS	FLYAROUND	SEP	MEAL	EXERCISE	MDS CK																							

UNDOCKING*

DAY/NIGHT

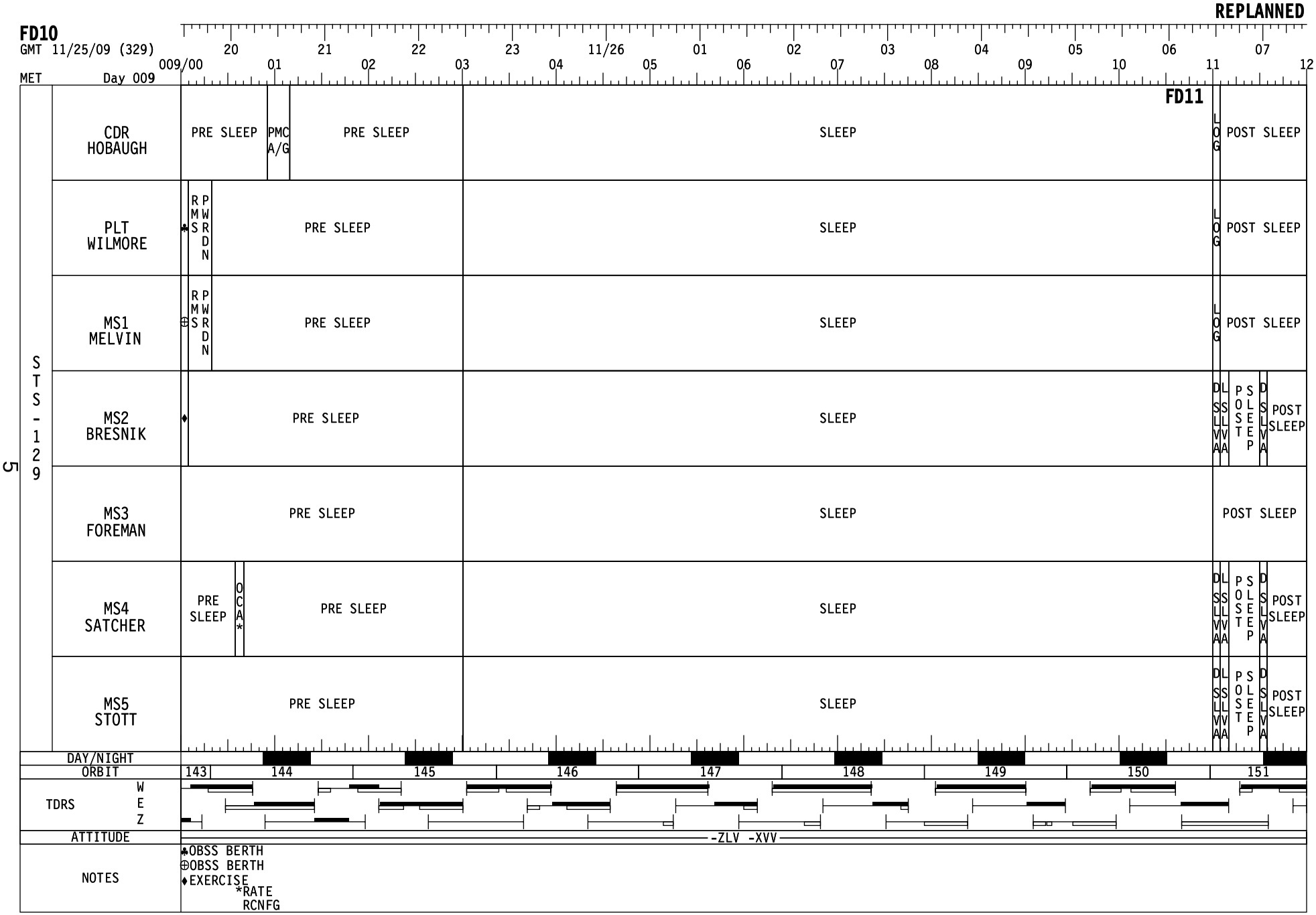
ORBIT: 136 137 138 139 140 141 142 143

TDRS: W E Z

ATTITUDE: UNDOCK — FLYAROUND/SEP — -ZLV +YVV — BIAS +YSI — BIAS +XSI — BIAS -YSI — -ZLV -XVV

NOTES: *UNDOCK 08/14:25 #DEACT *L to R OMS

4


REPLANNED
FD10
GMT 11/25/09 (329)
20 21 22 23 11/26 01 02 03 04 05 06 07
MET Day 009
009/00 01 02 03 04 05 06 07 08 09 10 11 12
FD11
STS-129
CDR HOBAUGH
PRE SLEEP
PMC A/G
PRE SLEEP
SLEEP
LOG
POST SLEEP
PLT WILMORE
RMS PWRDN
PRE SLEEP
SLEEP
LOG
POST SLEEP
MS1 MELVIN
RMS PWRDN
PRE SLEEP
SLEEP
LOG
POST SLEEP
MS2 BRESNIK
PRE SLEEP
SLEEP
DSLVA LSLVA POST SLEEP DSLVA
POST SLEEP
MS3 FOREMAN
PRE SLEEP
SLEEP
POST SLEEP
MS4 SATCHER
PRE SLEEP
OCA*
PRE SLEEP
SLEEP
DSLVA LSLVA POST SLEEP DSLVA
POST SLEEP
MS5 STOTT
PRE SLEEP
SLEEP
DSLVA LSLVA POST SLEEP DSLVA
POST SLEEP
DAY/NIGHT
ORBIT
143 144 145 146 147 148 149 150 151
TDRS
W
E
Z
ATTITUDE
-ZLV -XVV
NOTES
♣OBSS BERTH
⊕OBSS BERTH
♦EXERCISE
*RATE RCNFG

5

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | T D R S E | Z | D/N | O R B | MET Day 008 | ATT

04:00 — 05:00 — 06:00 — 07:00

133 — 134 — 135

08:00 — 09:00 — 10:00 — 11:00 — 12:00

BIAS-XLV-ZVV

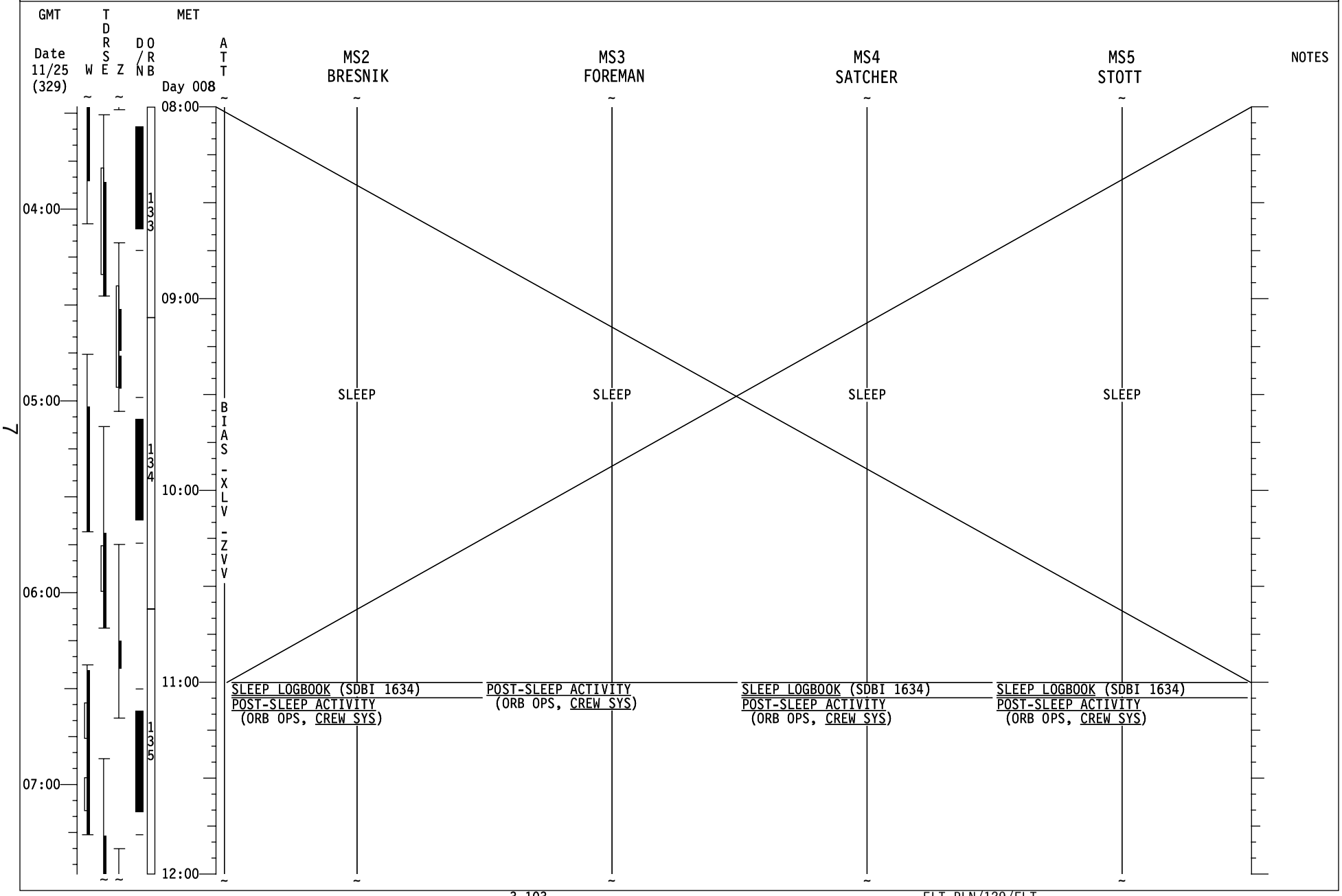
CDR HOBAUGH	PLT WILMORE	MS1 MELVIN	NOTES
SLEEP	SLEEP	SLEEP	
SLEEP LOGBOOK (SDBI 1634)	SLEEP LOGBOOK (SDBI 1634)	SLEEP LOGBOOK (SDBI 1634)	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

√HUM SEP FOR H2O ACCUMULATION

FD10 EZ ACTIVITIES:
√OCAC FILTER
TEPC (STATUS CHECK)
(ORB OPS, CREW SYS)
HARD REBOOT ALL PGSCs EXCEPT:
STS-1 (OCA ROUTER), STS-5(RPOP2),
AND STS-6(WLES).

STS-129/ULF3 FD10

REPLANNED



STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRS E | Z | DON/ORB | MET Day 008 | ATT

CDR HOBAUGH

12:00
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
√HUM SEP FOR H2O ACCUMULATION

BIAS-XLV-ZVV

08:00

A When ISS is Free Drift, DAP:LVLH
When jet activity stopped for > 5 sec,
DAP:FREE > 2 sec, Then DAP:AUTO

136

O6 S TRK PWR -Z - ON
PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN)
13:00 Steps 12 (IMU 3) & 6 (Triple G2, Remain FREE DRIFT)
O8 L OMS He PRESS/VAP ISOL A - GPC
H/O ATTITUDE CONTROL CMG TA TO ORBITER A
MNVR (TRK) UNDOCK
TG=2 BV=5 P=180 Y=0 OM=0
A12/AUTO/VERN Init TRK

09:00
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
UNDOCKING AND SEPARATION
(RNDZ, UNDOCK/SEP T/L)

UNDOCK

14:00

137

<UNDOCK 8/14:25

10:00

15:00
SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

11:00

138

<SEP 1 8/15:40

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

16:00

PLT WILMORE

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

B PCS ACTIVATION
MO10W 14.7 CAB REG INLET SYS 1 VLV - OP
Avoid WCS use during high N2 flow.
Expect possible 'S66 CAB N2(O2) FLO 1' msgs

PCS ACTIVATION B
SSV OUTRATE -3
UNDOCKING AND SEPARATION
(RNDZ, UNDOCK/SEP T/L)

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

MS1 MELVIN

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

L17 Check MCIU filter screen
UNDOCKING AND SEPARATION
(RNDZ, UNDOCK/SEP T/L)

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

NOTES

UPDATE
β21+MASK
Box 20, 22

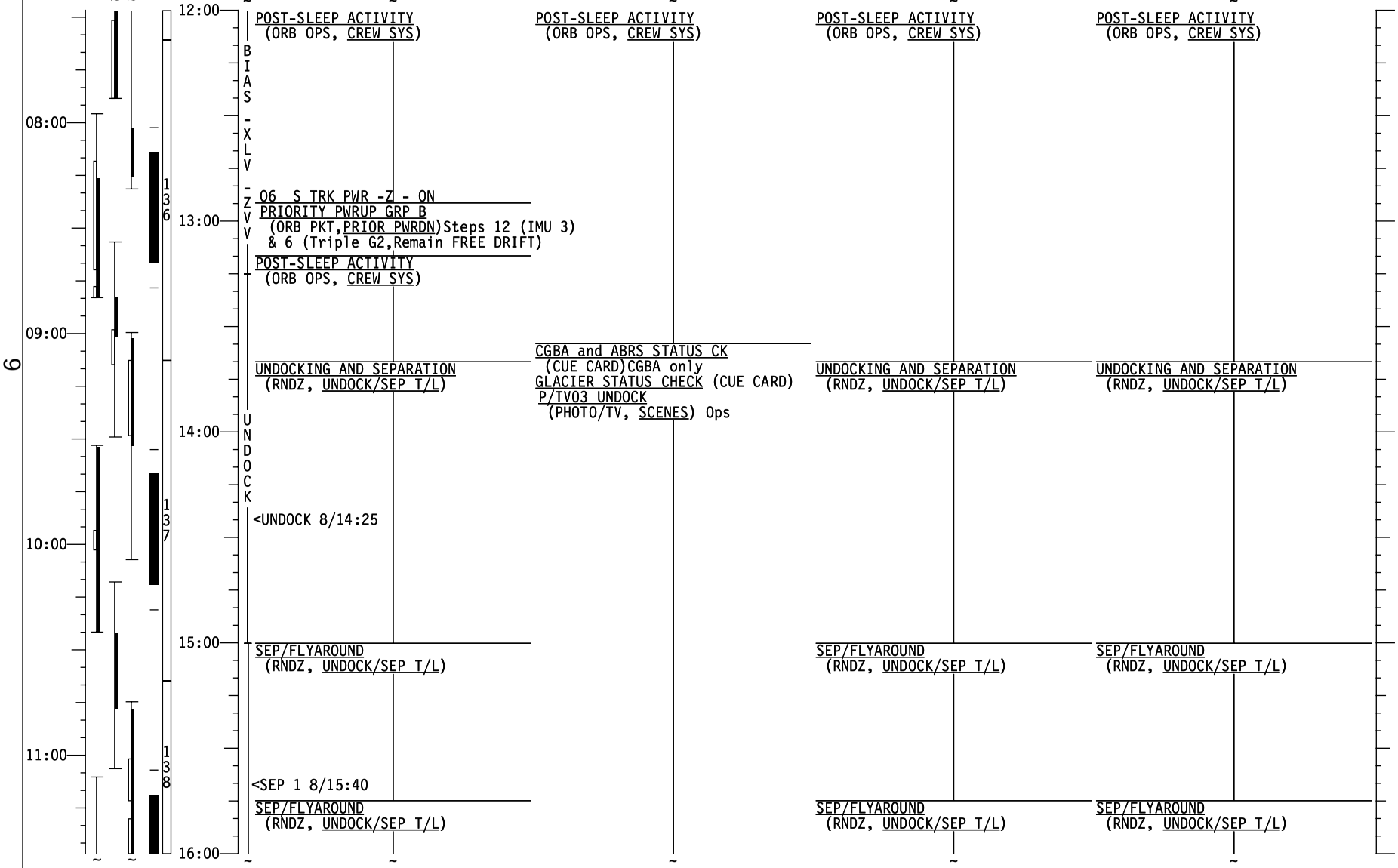
UPDATE
TFL 192

UPDATE
β21+MASK

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRSE | Z | D/N | ORB | MET Day 008 | ATT



MS2 BRESNIK	MS3 FOREMAN	MS4 SATCHER	MS5 STOTT	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
06 S TRK PWR -Z - ON PRIORITY PWRUP GRP B (ORB PKT,PRIOR PWRDN)Steps 12 (IMU 3) & 6 (Triple G2,Remain FREE DRIFT) POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)				
UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	CGBA and ABRS STATUS CK (CUE CARD)CGBA only GLACIER STATUS CHECK (CUE CARD) P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	UNDOCKING AND SEPARATION (RNDZ, UNDOCK/SEP T/L)	
<UNDOCK 8/14:25				
SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
<SEP 1 8/15:40 SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)		SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRS E | Z | DON/RB | MET Day 008 | ATT

CDR HOBAUGH

16:00
SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)
<-SEP 2 8/16:08

MNVR (TRK) -ZLV +YVV (DUMP)
TG=2 BV=3 OM=270
A1/AUTO/VERN Init TRK

SUPPLY/WASTE WATER DUMP
(ORB OPS, ECLS)Initiate Waste Dump
Ref MSG 091, Item 4

17:00
MEAL

-ZLV +YVV

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

18:00
IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)

SHUTTLE CONDENSATE COLLECTION
(ORB OPS, ECLS) Perform TEARDOWN
Ref. MSG 091, Item 5

MNVR (TRK) BIAS +YSI (STBD SURVEY)
TG=4 BV=5 P=0 Y=40 OM=285
A14/AUTO/VERN OBSS UNBERTH cmplt, Init TRK

19:00
BIAS +YSI

EXERCISE

20:00

PLT WILMORE

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

HTR RECONFIG - CONFIG B (ORB OPS, EPS)
SSP1 OIU PWR - OFF (√tb-bp)
Expect BCE BYP PSP 1
SSV OUTRATE -4
PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN)
Steps 5,6(Single G2),9, & 12
(In Step 12,IMU3-STBY)

MEAL

R1 PL PRI MNC - ON (tb-ON)
OBSS UNBERTH
(PDRS, OBSS OPS)

OBSS LDRI/IDC RCC SURVEY - STBD
(PDRS, OBSS OPS)

MS1 MELVIN

SEP/FLYAROUND
(RNDZ, UNDOCK/SEP T/L)

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

JOINT OPS: 6.106 SSOR DEACTIVATION

MEAL

R1 PL PRI MNC - ON (tb-ON)
OBSS UNBERTH
(PDRS, OBSS OPS)

OBSS LDRI/IDC RCC SURVEY - STBD
(PDRS, OBSS OPS)

NOTES

UPDATE TFL 188

UPDATE H2O WASTE DUMP QTY

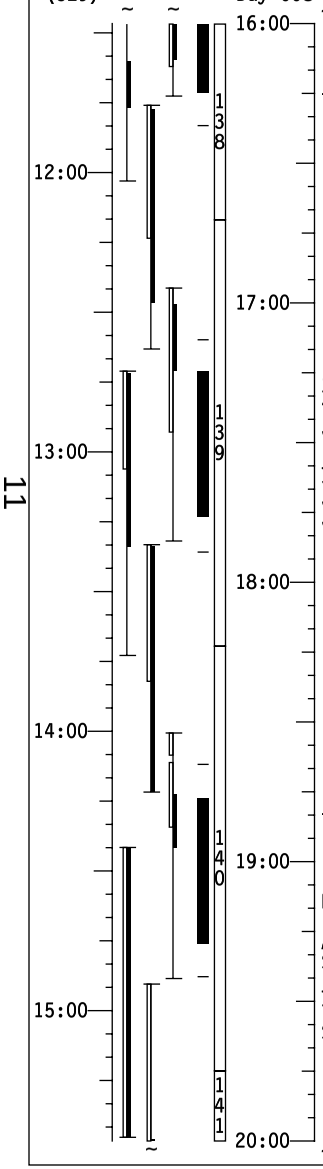
12:00 13:00 14:00 15:00

138 139 140 141

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRSE | Z | D/N | ORB | MET Day 008 | ATT



MET	MS2 BRESNIK	MS3 FOREMAN	MS4 SATCHER	MS5 STOTT	NOTES
16:00	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L) <-SEP 2 8/16:08	P/TV03 UNDOCK (PHOTO/TV, SCENES) Ops	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	SEP/FLYAROUND (RNDZ, UNDOCK/SEP T/L)	
	CABIN TEMP CONTROLLER RECONFIG 2(1) (ORB OPS, ECLS)	P/TV03 UNDOCK (PHOTO/TV, SCENES) Deactivation	POST UNDOCK PGSC CONFIG Configure PGSCs per usage chart		
	PRIORITY PWRDN GRP B (ORB PKT, PRIOR PWRDN) Steps 5,6(Single G2),9, & 12 (In Step 12,IMU 3-STBY)	DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK) KU TDRE 16:21-16:45			
17:00	MEAL	MEAL	MEAL	MEAL	
18:00		EVA UNPACK & STOW Ref. MSG 087	EVA UNPACK & STOW Ref. MSG 087		
19:00	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS)				
		POST ISS EVA ENT PREP (EVA, POST EVA ENT PREP)	POST ISS EVA ENT PREP (EVA, POST EVA ENT PREP)		
20:00				EXERCISE	

ATT: -ZLV +YVV; BIAS +YSI

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRSE | Z | D/N | ORB | MET Day 008 | ATT

CDR HOBAUGH	PLT WILMORE	MS1 MELVIN	NOTES
EXERCISE	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS)	
MNVR (TRK) BIAS +XSI (NOSE CAP) TG=4 BV=5 P=330 Y=0 OM=340 A14/AUTO/VERN RCC SURVEY-STBD cmplt, Init TRK	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPS)	OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPS)	
	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPS)	OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPS)	
MNVR (TRK) BIAS -YSI (PORT SURVEY) TG=4 BV=5 P=0 Y=323 OM=145 A14/AUTO/VERN, RCC SURVEY-PORT Step 3 cmplt, Init TRK			
C 08 L OMS He PRESS/VAP ISOL A - OP Wait 30 seconds (for repress) L OMS He PRESS/VAP ISOL A - CL			
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/VERN, RCC SURVEY-PORT Step 11 cmplt, Init TRK	OBSS BERTH (PDRS, OBSS OPS) Ref. MSG 091, Item 2 When OBSS BERTH complete; R1 PL PRI MNC - OFF (tb-OFF) Note: Expect 'S200 APCU 1(2) TRIP' msgs	OBSS BERTH (PDRS, OBSS OPS) Ref. MSG 091, Item 2 When OBSS BERTH complete; R1 PL PRI MNC - OFF (tb-OFF) Note: Expect 'S200 APCU 1(2) TRIP' msgs	SBAND PM-HIGH FREQ
I'CNCT TK SWITCH: From L to R OMS FEED (OPCL, RCS) C			

Time scale: 16:00, 17:00, 18:00, 19:00; Day 008: 20:00, 21:00, 22:00, 23:00, 00:00

ATT: BIAS +XSI; BIAS -YSI; -ZLV -XVV

ORB: 141, 142, 143

STS-129/ULF3 FD10

REPLANNED

GMT — Date 11/25 (329) — W — TDRSE — Z — D/N — ORB — MET — Day 008 — ATT

MS2 BRESNIK	MS3 FOREMAN	MS4 SATCHER	MS5 STOTT	NOTES
OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPS)	POST ISS EVA ENT PREP (EVA, POST EVA ENT PREP)	POST ISS EVA ENT PREP (EVA, POST EVA ENT PREP)		
OBSS LDRI/IDC RCC SURVEY - NOSE CAP (PDRS, OBSS OPS)			EXERCISE	
OBSS LDRI/IDC RCC SURVEY - PORT (PDRS, OBSS OPS)		EXERCISE		
	EXERCISE	D Move GAPs 5-6 to empty rectangular cutouts in MA16D Move GAPs A-H in MF71E (CGBA) to MA16D Move GAPs 7-8, 13-16 in MA16D to MF71E (CGBA) CGBA ADJUST SET TEMP (ASSY OPS, PAYLOADS) Change temp from 10 to 37 deg C		
		NLP ACTIVATION (ASSY OPS, PAYLOADS) Complete GAP swaps prior to closing up CGBA Activate GAPs 1-4, 9-12 in MF71E (CGBA) Activate GAPs 13-14 in MA16D NLP TERMINATION (ASSY OPS, PAYLOADS) Terminate GAPs 7-8, 15-16 in MA16D Perform Block D		
		DIGITAL VIA VTR (CUE CARD, DIGITAL PLAYBACK) LDRI SURVEYS Ku TDRW 23:06 - 23:11 Ku TDRE 23:11 - 23:47 worm @ 23:23		
			MDS STATUS CHECK (ASSY OPS, PAYLOADS) Ref. MSG 091, Item 3	
	CGBA & ABRS STS CK(CUE CARD) CGBA only GLACIER STATUS CHECK (CUE CARD)			

Time scale: 16:00, 17:00, 18:00, 19:00; 20:00, 21:00, 22:00, 23:00, 00:00

Attitude: BIAS +XSI; BIAS -YSI; -ZLV -XVV

Day 008: 141, 142, 143

3-109 FLT PLN/129/FLT

13

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | TDRS E | Z | DON/RB | MET Day 009 | ATT

143 | 144 | 145 | 146

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

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

-ZLV-XVV

CDR HOBAUGH

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G(two) - OFF
Perform via A/G 2

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

PLT WILMORE

OBSS BERTH
See page 3-108 for details.

RMS PWRDN
(PDRS, RMS PWRDN)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

MS1 MELVIN

OBSS BERTH
See page 3-108 for details.

RMS PWRDN
(PDRS, RMS PWRDN)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP

CREW WAKE @ 09/11:00

NOTES

SBAND PM-
LOW FREQ

STS-129/ULF3 FD10

REPLANNED

GMT Date 11/25 (329) | W | T D R S E | Z | D O / R N B | MET Day 009 | A T T

MS2 BRESNIK | MS3 FOREMAN | MS4 SATCHER | MS5 STOTT | NOTES

00:00 — 01:00 — 02:00 — 03:00 — 04:00

20:00 — 21:00 — 22:00 — 23:00

143 — 144 — 145 — 146

-ZLV -XVV

EXERCISE
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

RECONFIGURE OCA DOWNLINK RATE [E]
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

[E] After LDRI Playback Complete
RECONFIGURE OCA D/L RATE (PL Max)
(ORB OPS, PGSC) Part C, omit Step 4

CREW WAKE @ 09/11:00

SLEEP | SLEEP | SLEEP | SLEEP

Good morning Atlantis! We're glad to know that you have all SEVEN crew members on the right side of the hatch!

YOUR CURRENT ORBIT IS: 189 X 180 NM

NOTAMS: **FIVE CHANGES (ADDED NTU, NKT, GUA & JTY CLOSURES, DELETED DOV)**

EDW -	LAKEBED RWY 15/33 GREEN - ELS ONLY. RWY 18L - UNUSABLE.
NOR -	LAKEBED RUNWAYS GREEN.
NTU -	**AERODROME CLOSED**
NKT-	**AERODROME CLOSED**
YQX -	TACAN YQX CH74 OTS.
LAJ -	TACAN LAJ45 OTS.
PTN **-**	AIRFIELD CLOSED.
GUA -	**AERODROME CLOSED**
JTY-	**AERODROME CLOSED**
KKI-	RWY 15R/33L CLOSED. 15L/33R USABLE.
IKF -	NOT USABLE. NO AGREEMENT.
BEN -	NOT RECOMMENDED/NOT SUPPORTED

NEXT 2 PLS OPPORTUNITIES:

EDW04 ORB142 – 8/22:08 SKC 7 040/07P13
EDW04 ORB157 – 9/20:56 SKC 7 040/08P12

OMS TANK FAIL CAPABILITY:

L OMS FAILS: NO
R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

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

OMS QUANTITIES(%)

L OMS OX = 38.5 R OMS OX = 38.8
FU = 38.5 FU = 38.4

Subtract interconnect counter for current OMS quantities.

MSG 092 - FD10 MISSION SUMMARY

DELTA V AVAILABLE:	
OMS	357 FPS
ARCS (TOTAL ABOVE QTY1)	55 FPS
TOTAL IN THE AFT	412 FPS
ARCS (TOTAL ABOVE QTY2)	88 FPS
FRCS (ABOVE QTY 1)	14 FPS
AFT QTY 1	76 %
AFT QTY 2	38 %

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

END OF PAGE 2 OF 2, MSG 092

The MMT met briefly to review mission progress and orbiter systems. The hatches were closed just before the MMT met. The only system issue noted was that the BFS LRCS Fu and Ox quantities were slightly biased upwards during powered flight. This was not visible on board due to the limitations of displaying quantities greater than 100%. It is believed there was a transient bias in the LRCS Fuel Tank temperature transducer that caused this bias to both BFS quantities. This should be no impact to entry operations, and your Entry Team will provide more details on EOM-1.

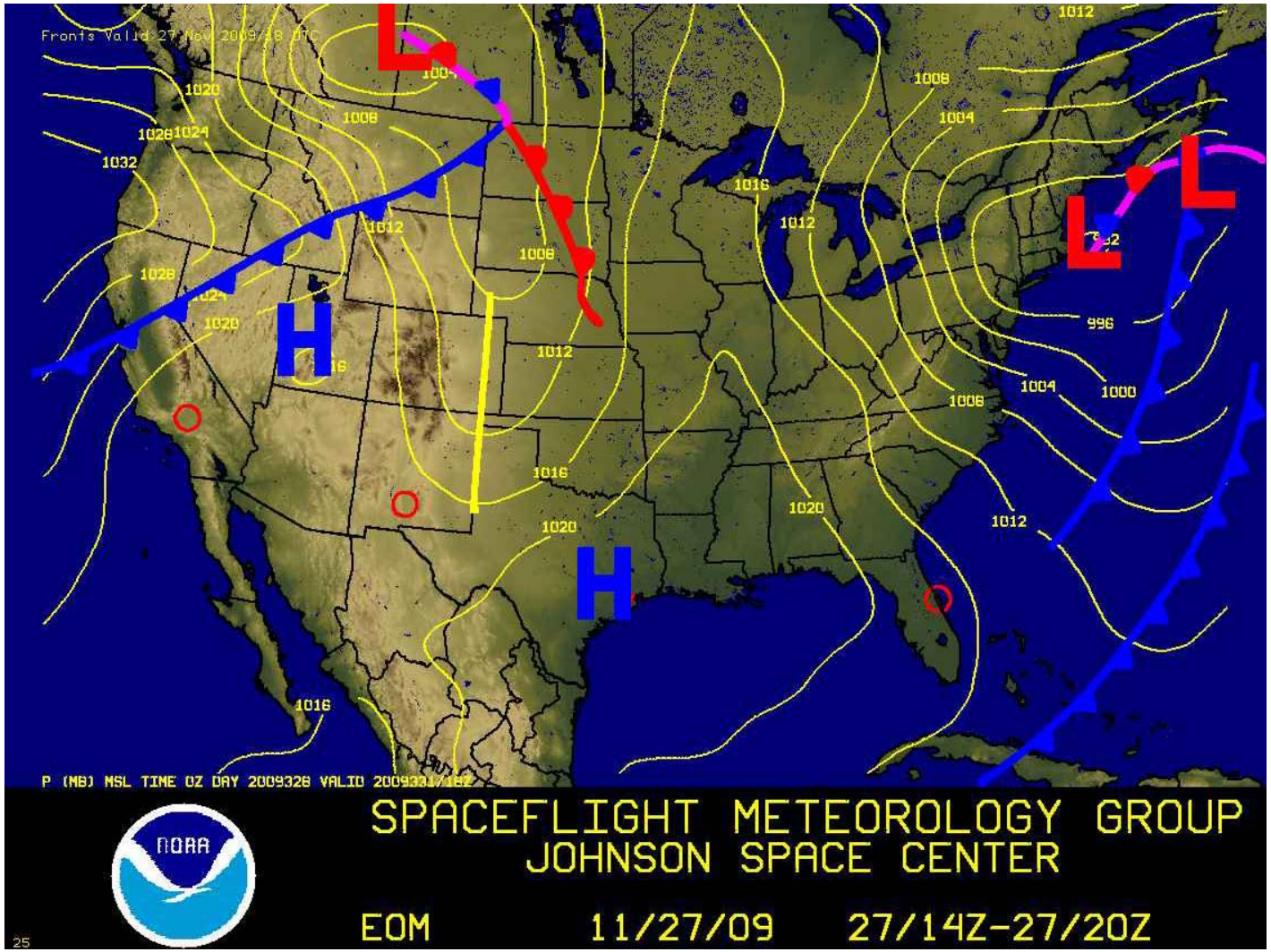
MSG 095 - FD10 CREW CHOICE DOWNLINK

TDRS	AOS	LOS	Delta (min)	Notes
W	09/00:18	09/00:45	27	
E	09/00:29	09/01:25	56	Alpha stop @ 9/00:57
W	09/01:28	09/01:35	7	
W	09/01:53	09/02:20	27	
E	09/02:07	09/02:22	15	
E	09/02:33	09/03:00	27	

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

END OF PAGE 1 OF 1, MSG 095

MSG 096 - FD10 EOM WX Charts



END OF PAGE 1 OF 6, MSG 096

CONUS DAY 3 LANDING FORECASTS

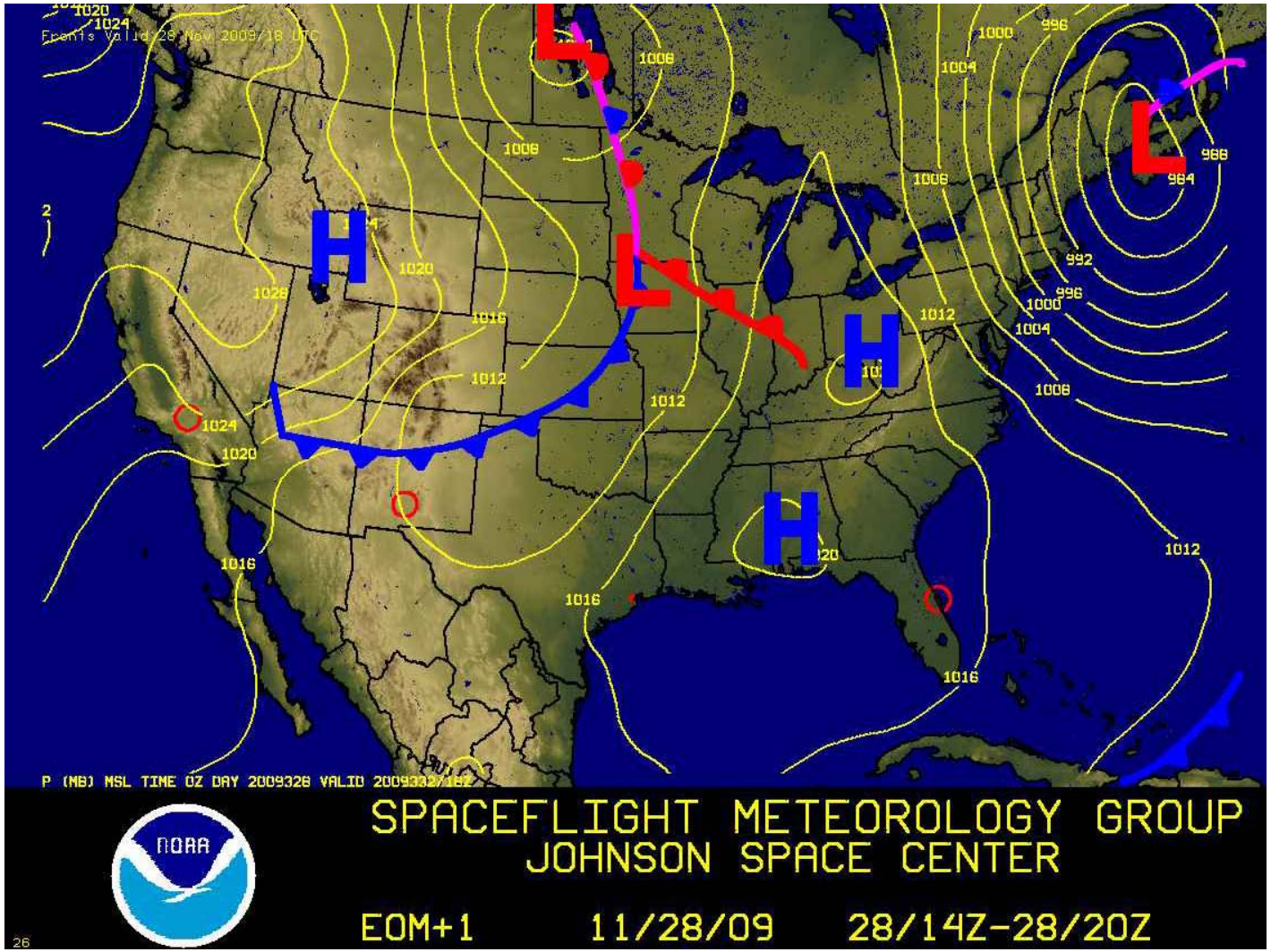
STS-129

ISSUED: Tuesday Nov. 24, 2009 2300Z
Tuesday Nov. 24, 2009 1700CST

KSC	Valid: Friday 1444 UTC - 1619 UTC		
	Friday Nov 27 0844 CST - 1019 CST		
	FEW020 SCT200	7 SM	32014P21 KT
			RWY 15/33 X=5 T/H=20
EDW	Valid: Friday 1749 UTC - 1925 UTC		
	Friday Nov 27 1149 CST - 1325 CST		
	FEW250	7 SM	22011P19 KT
			RWY 22/04 X=2 H/T=19
NOR	Valid: Friday 1616 UTC - 1751 UTC		
	Friday Nov 27 1016 CST - 1151 CST		
	FEW250	7 SM	16007P11 KT
			RWY 17/35 X=3 H/T=11

END OF PAGE 2 OF 6, MSG 096

MSG 096 - FD10 EOM WX Charts



END OF PAGE 3 OF 6, MSG 096

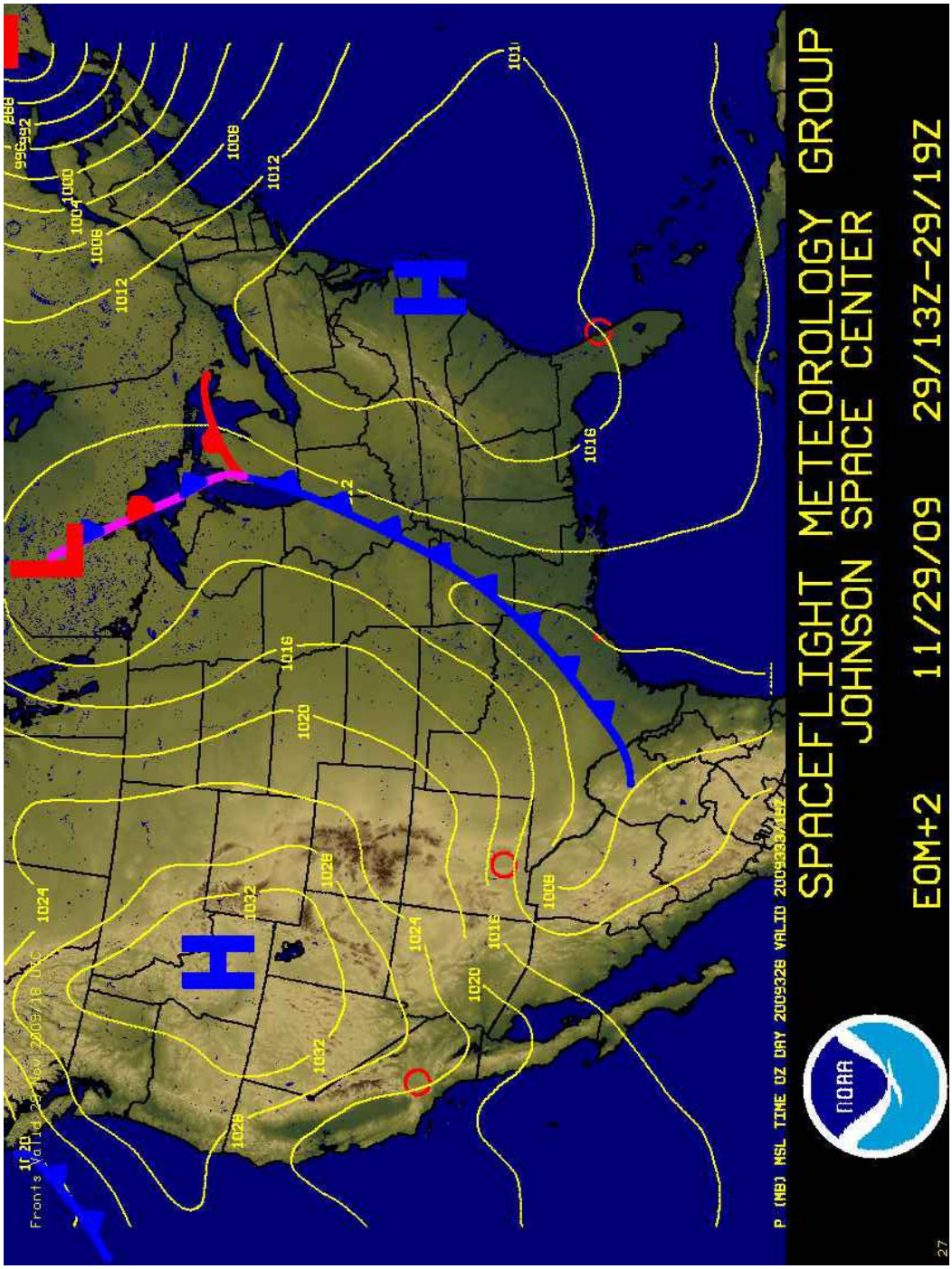
CONUS DAY 4 LANDING FORECASTS

STS-129

ISSUED: Tuesday Nov. 24, 2009 2300Z
Tuesday Nov. 24, 2009 1700CST

KSC	Valid: Saturday 1459 UTC - 1634 UTC		
	Saturday Nov 28 0859 CST - 1034 CST		
	FEW200	7 SM	33011P17 KT
			RWY 15/33 X=2 T/H=17
EDW	Valid: Saturday 1629 UTC - 1938 UTC		
	Saturday Nov 28 1029 CST - 1338 CST		
	SCT250	7 SM	04009P14 KT
			RWY 22/04 X=1 T/H=14
NOR	Valid: Saturday 1630 UTC - 1805 UTC		
	Saturday Nov 28 1030 CST - 1205 CST		
	SCT250	7 SM	21010P16 KT
			RWY 17/35 X=9 H/T=13

END OF PAGE 4 OF 6, MSG 096



END OF PAGE 5 OF 6, MSG 096

CONUS DAY 5 LANDING FORECASTS

STS-129

ISSUED: Tuesday Nov. 24, 2009 2300Z
Tuesday Nov. 24, 2009 1700CST

KSC	Valid: Sunday 1338 UTC - 1512 UTC		
	Sunday Nov 29 0738 CST - 0912 CST		
	SCT030	7 SM	01007P11 KT
			RWY 15/33 X=6 T/H=9
EDW	Valid: Sunday 1642 UTC - 1816 UTC		
	Sunday Nov 29 1042 CST - 1216 CST		
	SKC	7 SM	06007P11 KT
			RWY 22/04 X=3 T/H=11
NOR	Valid: Sunday 1643 UTC - 1818 UTC		
	Sunday Nov 29 1043 CST - 1218 CST		
	SCT060 BKN120 OVC250	7 SM	04007P11 KT
	CHC SHRA WI 30NM		RWY 17/35 X=8 T/H=8

END OF PAGE 6 OF 6, MSG 096

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