STS-132 / ULF4

FD 02 Execute Package

MSG	Page(s)	Title
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003	14 - 15	FD02 Mission Summary
004	16	FD02 Transfer Message
005	17	FD02 EVA Deltas
006	18 - 20	Portable Breathing Apparatus Preparation

Approved by FAO:
G. Whitney

Last Updated: May 15 2010 7:56 AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*

Heard during prelaunch briefing:

MMACS: There's a ball bearing in PLB, but no Flight Rule. So - Go for Launch Flight

UNKNOWN: Unsecured panel door, but no Flight Rule - Go for Launch

FAO: There's a pterodactyl in PLB, but no Flight Rule - Go for Launch.

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MSG INDEX

MSG NO.	TITLE
002	FD02 Flight Plan Revision
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006	Portable Breathing Apparatus Preparation

1. Post-Sleep Cryo Config

   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

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

2. FD02 Crew Choice Downlink

TDRS	AOS	LOS	Delta (min)	Notes
E	01/02:38	01/03:27	49	Alpha Stop 01/02:59
W	01/04:01	01/04:21	20	
E	01/04:36	01/04:56	20	

3. W4 Minicam Video Downlink

   Garrett: This morning we only have 10 minutes available for digital downlink. The W4 Minicam video is typically 20 minutes long because recording starts at T-9. The imagery team only requires the portion from liftoff through ET sep. If you could please cue the video to start the playback at liftoff we should get all the required video in the Ku available time.

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

FD02
GMT 05/15/10 (135)
MET Day 000

12 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 001/00

STS-132 2

CDR Ham	SLEEP			MNVR POST SLEEP				ICNCT@	NC2^ OMS BURN	MNVR	-ZLV	SSV-4	P&O DA%	C&W DA%	IMU DJ		MNVR-S	FILTER CLEANING	MIDDECK XFER PREP		MNVR-N	NOSE CAP SURVEY	MEAL		MNVR-P	PORT WING SURVEY
PLT Antonelli	SLEEP		LOG	POST SLEEP				MCIU*	OMS BURN	OBSS UNBERTH								STBD WING SURVEY			EXERCISE		MEAL		PORT WING SURVEY	
MS1 Reisman	SLEEP		LOG	POST SLEEP		W4MINI	CAMD/L	POST SLEEP		NLPACT			SAFER C/O		EMU C/O		STBD WING SURVEY					NOSE CAP SURVEY	MEAL		PORT WING SURVEY	
MS2 Good	SLEEP			POST SLEEP					FCMS OPS	POST SLEEP		EMU C/O PREP		EMU C/O					MEAL			EVA PRP XFER TO ISS			PBA PREP	
MS3 Bowen	SLEEP		LOG	POST SLEEP			OMS POD SRVY		ERG SETUP	POST SLEEP		EMU C/O PREP		EMU C/O					MEAL			EVA PRP XFER TO ISS			EMU C/O	EXERCISE
MS4 Sellers	SLEEP		LOG	POST SLEEP				MDK#	ERG SETUP				OBSS UNBERTH					STBD WING SURVEY				NOSE CAP SURVEY	MEAL		EXERCISE	

DAY/NIGHT

ORBIT: 9 10 11 12 13 14 15 16 17

TDRS W E Z

ORB ATT: -ZLV -XVV | INRTL MNVR | -ZLV | NC2 | -ZLV | STBD SURVEY | NOSE SURVEY | PORT SURVEY

NOTES
*FILTER CK %B POD HTR RECONFIG
@LEFT OMS TO RCS
#STATUS CHECK

FD02

GMT 05/15/10 (135) 001/00 19 20 21 22 23 05/16 01 02 03 04 05 06

MET Day 001 01 02 03 04 05 06 07 08 09 10 11 12

| STS-132 | | |

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB 14 15 16 | DORB 9 10 11 | MET Day 000 | STS ATT -ZLV -XVV INRTL MNVR

CDR HAM | PLT ANTONELLI | MS1 REISMAN | NOTES

07:00 | 08:00 | 09:00 | 10:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00

SLEEP | SLEEP | SLEEP

FD02 EZ ACTIVITIES:
√OCAC FILTER
TEPC (STATUS CHECK)
(ORB OPS, CREW SYS)
HARD REBOOT ALL PGSCs EXCEPT:
STS-1(OCA ROUTER), STS-6(WLES)
& STS-5(RPOP2)
CSA-CP BATTERY CHANGEOUT (ORB OPS, CSA-CP)
CSA-CP CHECKOUT AND ZERO CALIBRATION OPS (ORB OPS, CSA-CP)

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
√Hum Seps for H2O Accumulation

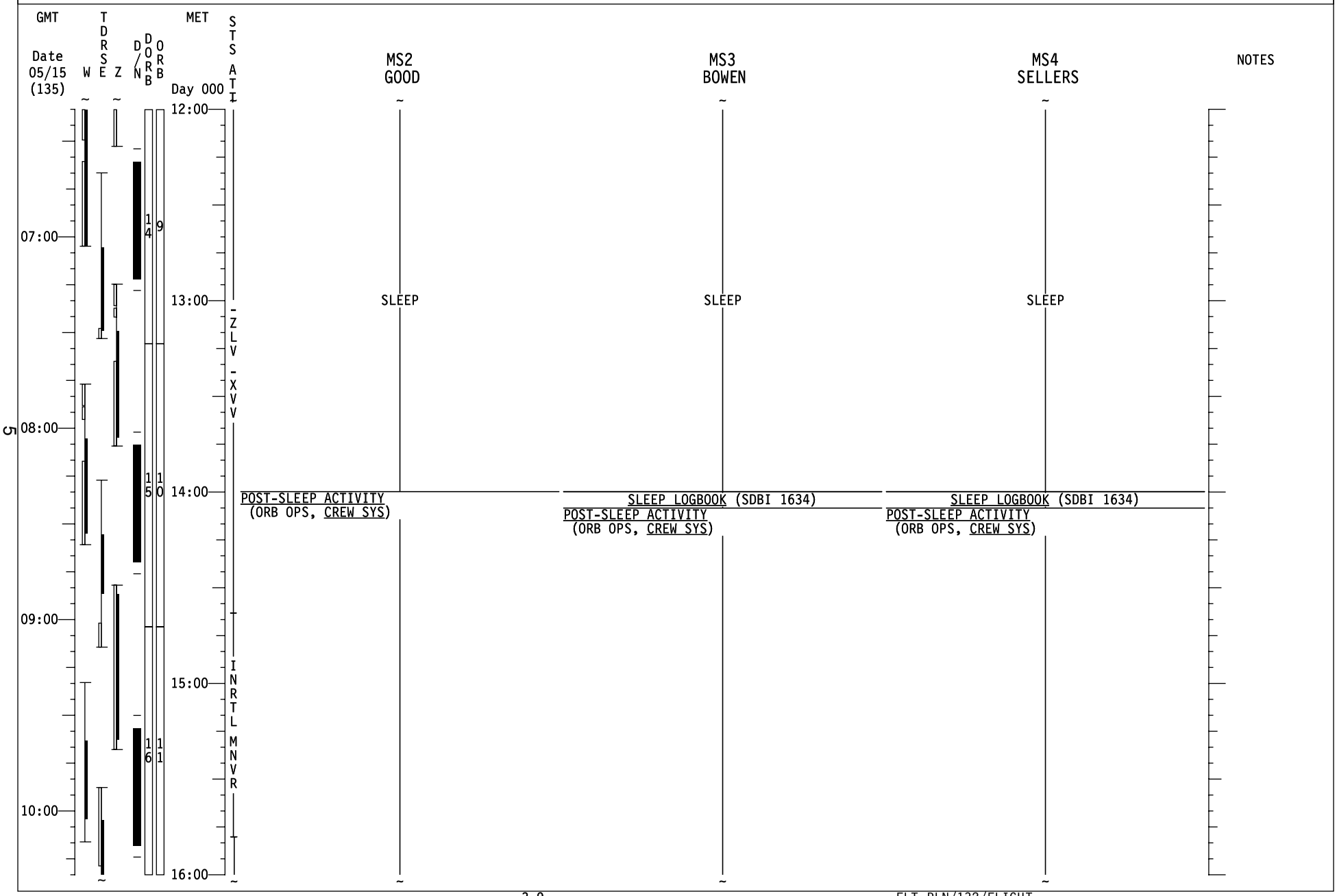
SLEEP LOGBOOK (SDBI 1634)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

SLEEP LOGBOOK (SDBI 1634)
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DIGITAL VIA VTR(CUE CARD,DIGITAL PLAYBACK)
W4 Minicam D/l, KU TDRE 15:43-15:57
Ref. MSG 002, Item 3
POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

STS-132 FD (02)

REPLANNED



STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT

CDR HAM	PLT ANTONELLI	MS1 REISMAN	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
√Hum Seps for H2O Accumulation			
I'CNCT: L OMS TO RCS (OPCL, RCS)	L17 Check MCIU filter screen		
ON-ORBIT OMS BURN (ORB OPS, OMS)	ON-ORBIT OMS BURN (ORB OPS, OMS)		
< NC2 TIG (0/17:13)			
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A1/AUTO/VERN Init TRK	OBSS UNBERTH (PDRS, OBSS OPERATIONS)	GAP ACTIVATION (ASSY OPS, PAYLOADS) Activate VACCINE GAPS A-F	
SSV OUTRATE - 4			UPLINK TFL 188 (Hi-Rate SSV, No MRM1 Data)
RCS/OMS POD HTR RECONFIG [A]			
CAUTION AND WARNING ADJUSTMENT [B]			
IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)		SAFER CHECKOUT (EVA, CHECKOUTS)	
MNVR (TRK) BIAS +YSI (Stbd Survey) TG=4 BV=5 P=0 Y=40 OM=290 A14/AUTO/VERN Init TRK		EMU CHECKOUT (EVA, CHECKOUTS)	UPLINK TFL 199
FILTER CLEANING (IFM, SCHEDULED MAINTENANCE)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	UPLINK TFL 188
MIDDECK XFER PREP Ref. MSG 004			

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

[B]

PARAMETER	C/W CHANNEL	TYPE	NEW VALUE
CABIN P	004	LOWER	3.25V (12.95 psia)
PPO2 A	034	LOWER	2.55V (2.55 psia)
PPO2 B	044	LOWER	2.55V (2.55 psia)

Time scale: 11:00, 12:00, 13:00, 14:00; 16:00, 17:00, 18:00, 19:00, 20:00

STS ATT: -ZLV, NC2, -ZLV, STBD SURVEY

6

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT

MS2 GOOD	MS3 BOWEN	MS4 SELLERS	NOTES
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
	P/TV08 EXTERNAL SURVEY (SETUP) Step 1 P/TV08 EXTERNAL SURVEY (OPS) (PHOTO/TV, SCENES) Item 1, OMS POD Survey Best Lighting (15:51-16:42)	CGBA STATUS CHECK (Cue Card)	
FC MONITORING SYS (FCMS) OPS (ORB OPS, EPS)	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	CYCLE ERGOMETER OPS (ORB OPS, CREW SYS) Perform ERGOMETER SETUP	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	OBSS UNBERTH (PDRS, OBSS OPERATIONS)	
EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)	EMU CHECKOUT PREP (EVA, AIRLOCK CONFIG)		
EMU CHECKOUT (EVA, CHECKOUTS)	EMU CHECKOUT (EVA, CHECKOUTS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	

Time scale: 11:00, 12:00, 13:00, 14:00; Day 000: 16:00, 17:00, 18:00, 19:00, 20:00

STS ATT: -ZLV, NC2, -ZLV, STBD SURVEY

7

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT

Time	CDR HAM	PLT ANTONELLI	MS1 REISMAN	NOTES
20:00	MIDDECK XFER PREP Ref. MSG 004	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 Init TRK			UPLINK TFL 199
15:00	OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS OPERATIONS)		OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS OPERATIONS)	UPLINK TFL 188
21:00		EXERCISE		
				UPLINK TFL 199
16:00				
22:00	MEAL	MEAL	MEAL	
	Perform Port Survey Steps 1-3 prior to mnvr	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)	UPLINK TFL 188
17:00	MNVR TRK BIAS -YSI (Port Survey) TG=4 BV=5 P=0 Y=323 OM=350 A14/AUTO/VERN Init TRK			
	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)			
23:00				
18:00				
00:00				

NOSE SURVEY

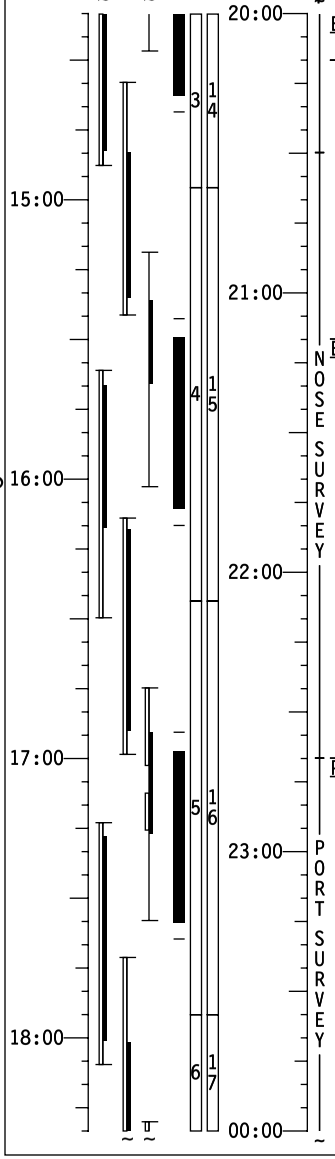
PORT SURVEY

8

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 000 | STS ATT



MET	STS ATT	MS2 GOOD	MS3 BOWEN	MS4 SELLERS	NOTES
20:00		EMU CHECKOUT (EVA, CHECKOUTS)	EMU CHECKOUT (EVA, CHECKOUTS)	OBSS LDRI/IDC RCC SURVEY - STBD (PDRS, OBSS OPERATIONS)	
		MEAL	MEAL	OBSS LDRI/IDC RCC SURVEY-NOSE CAP (PDRS, OBSS OPERATIONS)	
21:00	NOSE SURVEY	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)	EVA PREP FOR TRANSFER TO ISS (EVA, AIRLOCK CONFIG)		
22:00				MEAL	
23:00	PORT SURVEY	PORTABLE BREATHING APPARATUS PREPARATION Ref. MSG 006	On MCC GO: EMU CHECKOUT (EVA, CHECKOUTS) Steps 194-200	EXERCISE	
			EXERCISE		
00:00					

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATT

CDR HAM	PLT ANTONELLI	MS1 REISMAN	NOTES
OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)	OBSS LDRI/IDC RCC SURVEY-PORT (PDRS, OBSS OPERATIONS)	
MNVR (TRK) -ZLV -XVV TG=2 BV=3 OM=0 A14/AUTO/VERN Init TRK	OBSS BERTH (PDRS, OBSS OPERATIONS)	RNDZ TOOLS CHECKOUT (RNDZ, RNDZ TOOLS)	UPLINK TFL 199
R2 BLR CNTLR/HTR (three) - B			
EXERCISE			
	CRYO 02 TK HTR SNSR CK (ORB OPS, EPS)	DOCKING MECH INITIALIZATION (RNDZ, APDS)	
		C/L CAMR INSTALL (PHOTO/TV, C/L CAMR) Setup & Align C/L Camera	
I'CNCT TK SWITCH: FROM L TO R OMS FEED (OPCL, RCS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		DOCKING MECH POWERUP DOCKING RING EXTENSION DOCKING MECH POWERDOWN (RNDZ, APDS)	
ON-ORBIT MULTI-AXIS RCS BURN (ORB OPS, RCS)	ON-ORBIT MULTI-AXIS RCS BURN (ORB OPS, RCS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
C R=270 P=90 Y=341 A1/AUTO/VERN (1/08:50) Init MNVR			
< NC3 TIG (1/03:16) FUTURE LOADED MNVR C	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)		
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
06 √UHF MODE - OFF PRIVATE MEDICAL CONFERENCE			
PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			

Time scale: 19:00, 20:00, 21:00, 22:00; MET 00:00, 01:00, 02:00, 03:00, 04:00

STS ATT: -ZLV -XVV, NC3

DORB: 6, 7, 8; ORB: 17, 18, 19

STS-132 FD (02)

REPLANNED

GMT Date 05/15 (135) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 001 | STS ATT

MS2 GOOD

- 00:00 — PORTABLE BREATHING APPARATUS PREPARATION
  Ref. MSG 006
- 19:00 — EXERCISE
- 01:00 — DIGITAL VIA VTR
  (CUE CARD, DIGITAL PLAYBACK)
  LDRI SURVEYS
  KU TDRE (01:02-01:47)
- 20:00 — -ZLV -XVV
- 02:00 — FC PURGE - MANUAL
  (ORB OPS, EPS)
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- 21:00
- 03:00 — NC3
- 22:00
- 04:00

MS3 BOWEN

- EXERCISE
- SSV OUTRATE - 3
- RNDZ TOOLS CHECKOUT
  (RNDZ, RNDZ TOOLS)
- DOCKING MECH INITIALIZATION
  (RNDZ, APDS)
- C/L CAMR INSTALL
  (PHOTO/TV, C/L CAMR)
  Setup & Align C/L Camera
- DOCKING MECH POWERUP
  DOCKING RING EXTENSION
  DOCKING MECH POWERDOWN
  (RNDZ, APDS)
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)

MS4 SELLERS

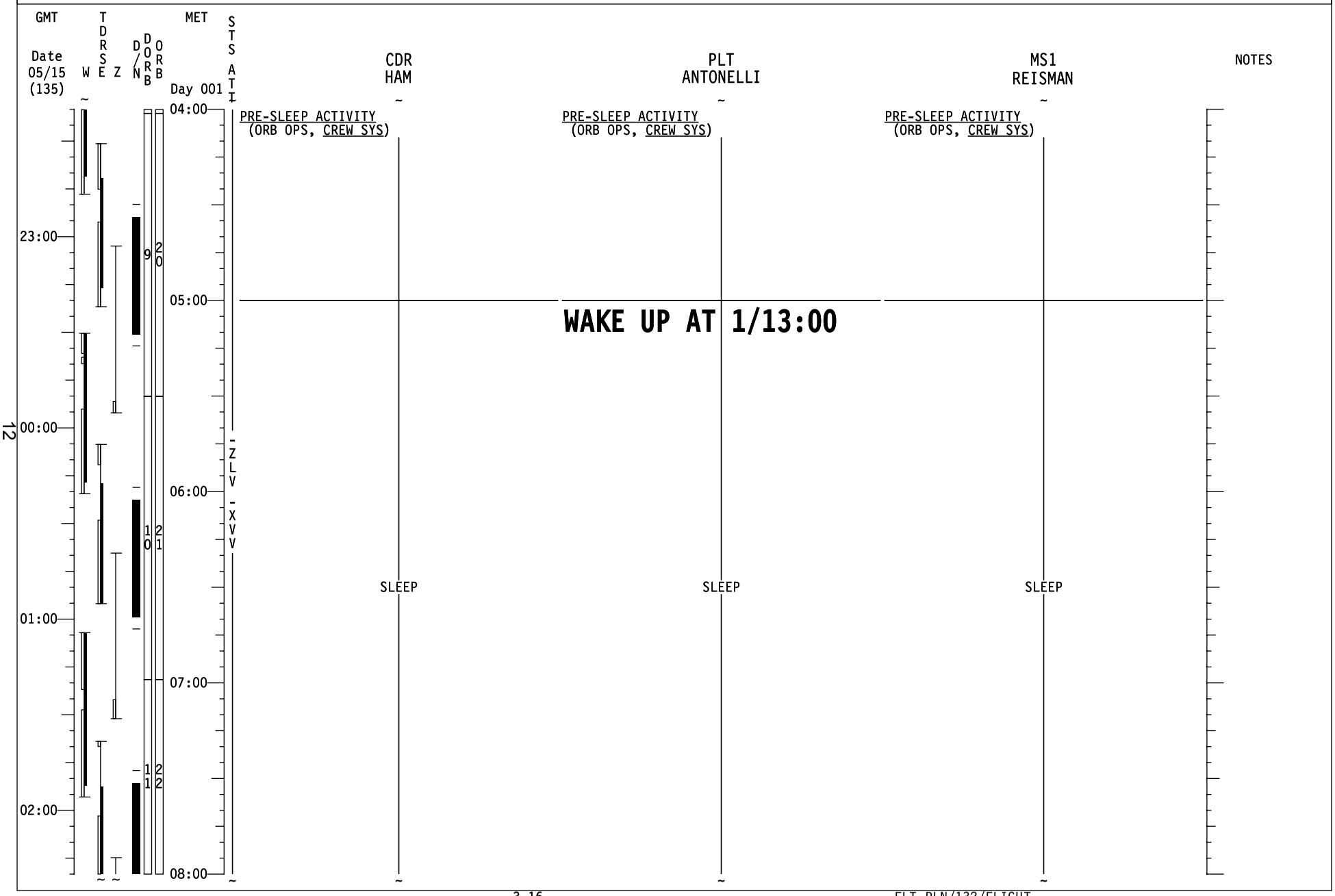
- OBSS BERTH
  (PDRS, OBSS OPERATIONS)
- CGBA STATUS CHECK (Cue Card)
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)
- RECONFIG OCA DWNLK RATE [D]
- PRE-SLEEP ACTIVITY
  (ORB OPS, CREW SYS)

[D] After Crew Choice D/L cmplt:
RECONFIGURE OCA D/L RATE (PL Max)
(ORB OPS, PGSC) Part C, omit Step 4

NOTES

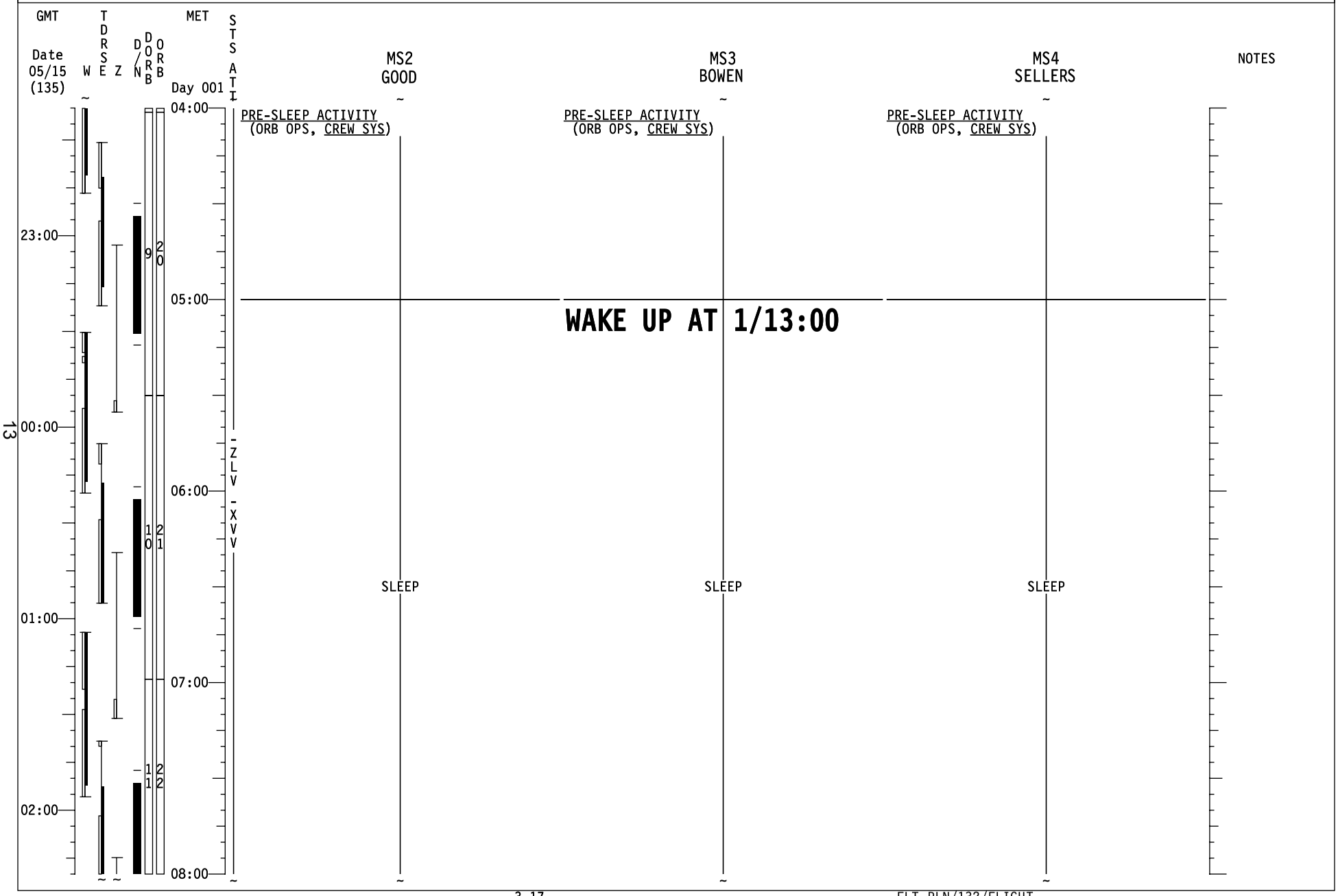
STS-132 FD (02)

REPLANNED



STS-132 FD (02)

REPLANNED



MSG 003 - FD02 MISSION SUMMARY

Good Morning Atlantis!!!!

Your launch yesterday was spectacular!!!!

Have a great day!!!

YOUR CURRENT ORBIT IS: 124 X 107 NM

NOTAMS - (TWO CHANGES: EDW LAKEBED RWY 15/33 GREEN, PTN CLSD)

EDW -	EDW 22L/04R IN USE. EDT 22R/04L CLOSED FOR CONSTRUCTION.
EDW -	LAKEBED RWY 15/33 GREEN.
NOR -	LAKEBED RWYS GREEN.
NTU -	RWY 05R/23L CLSD.
FOK -	CLOSED.
PTN -	CLOSED.
FMH -	RWY 23 APCH LTS OTS.
YYT -	TACAN UYT23 AZIMUTH OTS.
IKF -	NOT USABLE. NO AGREEMENT.
BEN -	NOT RECOMMENDED/NOT SUPPORTED.

<u>NEXT 2 PLS OPPORTUNITIES:</u>

EDW22	ORB 17 – 1/00:33	FEW150	FEW250	7	220/13P20
EDW22	ORB 33 – 2/00:20	SCT250		7	220/10P17

<u>OMS TANK FAIL CAPABILITY:</u>

YES

<u>LEAKING OMS PRPLT BURN:</u>

L or R OMS LEAK: ALWAYS BURN OUT OF PLANE

<u>OMS QUANTITIES(%)</u>

L OMS	OX = 60.18	R OMS	OX = 59.12
	FU = 59.89		FU = 58.70

END OF PAGE 1 OF 2, MSG 003

MSG 003 - FD02 MISSION SUMMARY

DELTA V AVAILABLE:

OMS	586 FPS
ARCS (TOTAL ABOVE QTY1)	55 FPS
TOTAL IN THE AFT	641 FPS
ARCS (TOTAL ABOVE QTY2)	84 FPS
FRCS (ABOVE QTY 1)	52 FPS
AFT QTY 1	92 %
AFT QTY 2	54 %

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

END OF PAGE 2 OF 2, MSG 003

MSG 004 - FD02 TRANSFER MESSAGE

Good morning Ken,

Congratulations on a beautiful launch! Today, during your middeck transfer prep time, you'll be making some space in Bag C by temp stowing items in a Jettison Stowage Bag (JSB). This will help out Steve and Bueno when they are configuring their EVA bags later today.

FD02 Transfer Choreography:

- Ken: Middeck Transfer Prep (Items 14.2-14.4)

Change Pages:
All changes will be uplinked to you on FD03

FD03 Transfer Choreography:

- Garrett, Mike and Steve: Transfer EVA H/W to ISS per EVA XFER TO ISS activity (Items 11, 14, 31 - 36)
- Piers: Transfer SSC to MDDK per SSC SETUP (Item 38)
- Mike: Transfer PBAs and Quick Don Masks per PBA XFER & RLCT activity (Items 13.5, 15.4, 15.5, 27, and 28)
- Ken: Transfer SODF to ISS during SODF XFER activity (Item 21)
- Soichi: Transfer DCB and JAXA CTB to ISS per DCB UNPACK and FISH XFER activities (Item 1, 3)
- MDDK XFER:
    - Temp stow items from bag D on mddk prior to transfer (Sample/Purge Kit, Mineral Syringe Kit)
    - Transfer 5 MLE bags A, B, D, F, I and Z to ISS (Items 8, 9, 10, 12, 13, and 15)

Thanks for your great work!

- The ULF4 Transfer Team

END OF PAGE 1 OF 1, MSG 004

Garrett, Steve and Tony,
After reviewing the EOTP EDF installation procedure with the hardware owners, we have determined that we need to have you torque EDF #1 in two stages, just like the other EDFs. The initial lower setting will ensure that the friction between the hex column end cap and the EDF core pin is not high enough to damage the end cap. The required procedure changes are as follows:

EVA Checklist Page FS 7-19, EV1 column

Add:
Step 15a. PGT [A7 (9.2), CW2]-ERAD 2-in ext 7/16; drive EDF to torque ~2.5 turns, re-trigger PGT ~7 times until no further EDF rotations observed (turn count threshold <0.1 turns)
EDF #1 Torque: _____ **Turns:** _____

Change:
Step 16. PGT [B1 (12.0), CW2]-ERAD 2-in ext 7/16; drive EDF to torque ~~~2.5 turns~~ ~0.25 turns, re-trigger PGT ~7 times until no further EDF rotations observed (turn count threshold < 0.1 turns)
EDF #1 Torque: _____ **Turns:** _____

- ❑ Perform light tug test on EDF

END OF PAGE 1 OF 1, MSG 005

OBJECTIVE:
Inspect, and prepare Portable Breathing Apparatuses (PBAs) (each consists of Quick Don Mask Assembly (QDMA) and Oxygen Bottle).

LOCATION:
MDDK Seat 7 Bag
MD FLOOR PORT2 bag B
MD FLOOR STBD2 bag D

DURATION:
90 minutes

PARTS:
QDMA (6)
Oxygen Bottle (6)

MATERIALS:
None

1. PBA PREPARATION FOR TRANSFER

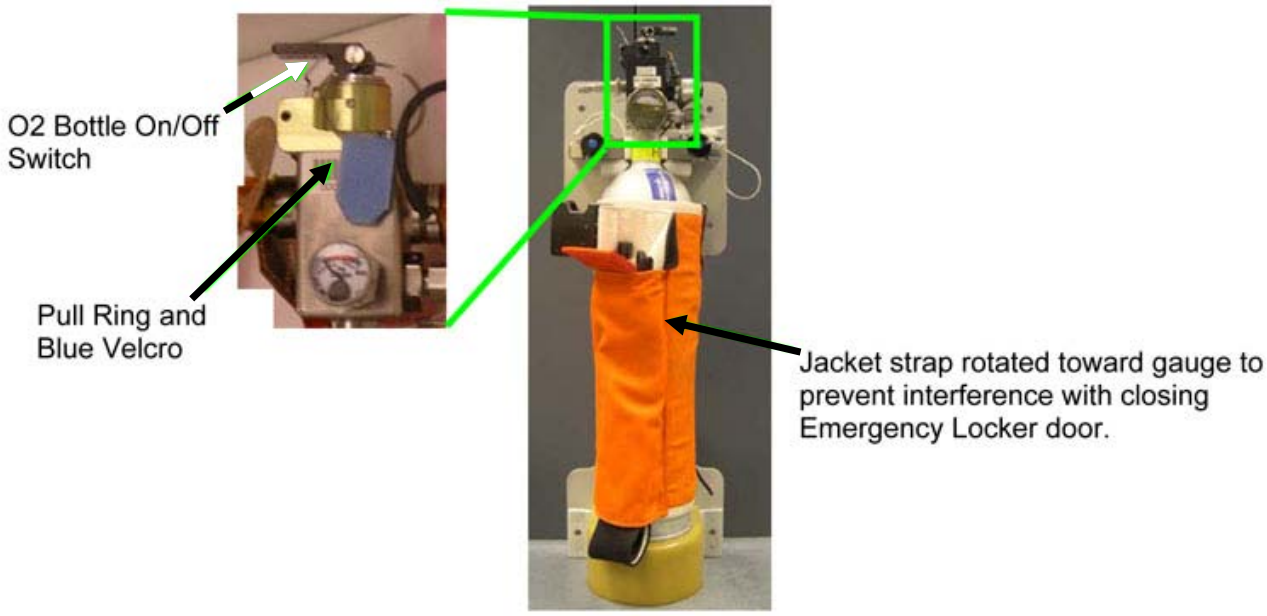


Figure 1.- PBA Installed in Bracket with Jacket Rotated.

Figure 2.- PBA Foam Container.

1.1 Remove an Oxygen Bottle from foam container, Ref Fig 2.

1.2 Verify gauge needle is in Green Zone, aligned with or above previous Sharpie reference mark.
. Refer to Figure 1.

1.3 Rotate PBA Oxygen Bottle Jacket so that it is in line with the gauge and will not interfere with installing bottle on bracket or closing Emergency Locker door.
Refer to Figure 1.

1.4 QDMA →|← Oxygen Bottle

1.5 Pull launch restraint pin from O2 Bottle On/Off switch (Blue Velcro, Pull Ring).

Stow Pin, Ring, and Blue Velcro for trash.
Refer to Figure 1.

1.6 Record S/N of QDMA and S/N of O2 bottle connected in step 1.4 in Table 1.

1.7 Replace O2 bottle into foam container. Close foam container to allow QDMA hose to feed through opening.

1.8 Repeat step1 for other QDMA and O2 Bottle.

Table 1: S/Ns of QDMAs and O2 Bottles

QDMA S/N	Record O2 Cylinder S/N
1019	
1022	
1039	
5015	
5016	
5017	

1.9 Gather PBAs using the Jettison Stowage Bag (launched in MDDK Seat 7 bag) and stow behind retention net.

2. POST MAINTENANCE

2.1 Notify **MCC-H** of task completion and report the QDMA and O2 Bottle S/Ns mated with each other, Table 1.