

STS-117/13A

FD 10 Execute Package



| MSG | Page(s) | Title |
|------|---------|--|
| 086B | 1 - 13 | FD10 Flight Plan Revision (pdf) |
| 087 | 14 | FD10 Mission Summary (pdf) |
| 088 | 15 | FD10 Transfer Message (pdf) |
| 091 | 16 | Updated H2O Activities Cue Card (pdf) |
| 089 | --- | FD09 MMT Summary (pdf - Electronic Only) |

Approved by FAO: Linda Delalpp

Last Updated: Jun 17 2007 11:19AM GMT
JEDI (Joint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003

1 MSG INDEX

2

3 MSG NO. TITLE

4 086 FD10 Flight Plan Revision

5 087 FD10 Mission Summary

6 088 FD10 Transfer Message

7 089 FD09 MMT Summary (Electronic Only)

8 091 Updated H2O Activities Cue Card

9

10

11 1. For the SRMS temperature check scheduled after post-sleep and prior to pre-sleep
12 perform the following:

13

14 A8L RMS PWR – PRI (MA)

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16

| |
|--------------------|
| SM 94 PDRS CONTROL |
|--------------------|

17

18 I/O ON – ITEM 5 EXEC (*)

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20 After 2 minutes or on MCC call:

21

22 A8L RMS PWR - OFF (SM ALERT, BCE BYP MCIU)

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24 2. Since the SRMS is cradled and latched, it will not be in the expected position for
25 today's SSRMS reconfigure for translation. The MBS Mast camera (-90, +5) or Camera
26 B (+10, 0) can offer additional views of motion in support of the reconfiguration.

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1 3. Flight Day 10 Exercise Constraints

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The table below summarizes the Shuttle and ISS exercise constraints for today. Except as noted, these constraints are also denoted in your timelines for your reference.

| Activity | Exercise Constraints | |
|--|---|--|
| | Shuttle | ISS |
| EVA 4 (during APFR operations from a structure-mounted WIF) <ul style="list-style-type: none"> • DLA 2 verification • Drag Link/Keel Pin | None | No IRED or HC-1 exercise allowed. |
| MT TRANSLATION* (latch transition, unlatched with brakes on, UMA translating and MT translation) | No exercise | HC-1 not allowed. CEVIS and SM Ergometer not allowed together. SM Ergometer rate limited to 60 RPM |
| SARJ C/O* | No exercise allowed to protect SARJ checkout requirements | No unisolated exercise allowed (only CEVIS and TVIS allowed) to protect SARJ checkout requirements |

6 * The exercise constraints for this task are not reflected in your timelines since it occurs during pre-sleep/sleep.

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4. If needed, the following are the Ku opportunities for crew choice downlinks at the end of the day:

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- TDRS W: 9/00:10 - 00:34
- TDRS W: 9/01:53 - 02:02
- TDRS E: 9/02:20 - 02:26
- TDRS E: 9/03:58 - 04:23

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The following are the ISS Ku opportunities for crew choice downlinks at the end of the day:

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21
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- W-174: 9/00:00 - 00:09
- W-174: 9/00:13 - 00:27
- W-174: 9/01:26 - 02:02
- E-046: 9/02:09 - 02:47
- W-174: 9/03:02 - 03:38
- E-046: 9/03:40 - 04:16

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5. REPLACE PAGES 2-34, 2-36, AND 3-104 THROUGH 3-111.

FD10

GMT 06/17/07 (168)
 β=27
 MET Day 008

12 13 14 15 16 17 18 19 20 21 22 23 009/00

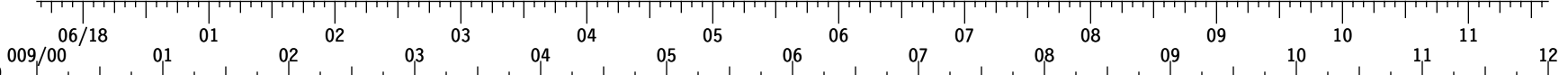
| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|---------------------------------|--------------------|------------------|------------------|----------|-----------------|----------------|--|--------------------|-------------|----------------------|------------|-------------------|----------------------|----------------|----------------------|-------------------|---------------|-------------|--------------|------------------|-----------|
| S T S - 1 1 7 | CDR STURCKOW | POST SLEEP | PMC A/G | PS OLSE TEP | POST SLEEP | IPNAHDT | ICNWDIT3 | MCITU | SSRTMRK# | P/TV 07 S/U | CTWCR1M3 | CIWCR1M4 | EXERCISE | CTWCR1M4 | CWC XFER | SNIT | MEAL | PWR #3 FILL | NTERM | PWR #4 FILL | P/TV SUPPORT | PWR #5 FILL | PWR XFER |
| | PLT/R2/M1 ARCHAMBAULT | POST SLEEP* | | | | EXERCISE | | | BXAFGR | SSRMS VIEW SUPPORT | | | | | | | | | | | | | |
| | MS1/EV3/R1 FORRESTER | POST SLEEP | HYG BRK/PREBREATHE | | CAMPOUT EVA PREP | | | EMURGE | EMU PREBREATHE | C_LK DPRS | EGRS & S/U | SARJ DLA2 VERIF | SARJ (RES) | STOW S3 DRAG LINK | MMOD SHIELD BOLT REL | MT STOP | NODE/SM LAN CBL ROUT | GPS 4 RMVL | VENT VLV OPEN | C/U & INGRS | PRPS | PST EVA H20 METX | |
| | MS2/EV4/M2 SWANSON | POST SLEEP | HYG BRK/PREBREATHE | | CAMPOUT EVA PREP | | | EMURGE | EMU PREBREATHE | C_LK DPRS | EGRS & S/U | SARJ (RES) | | STOW S3 DRAG LINK | MMOD SHIELD BOLT REL | S3 CLEAN UP | NODE/SM LAN CBL ROUT | SASA GIMBAL LOCKS | MMOD SHLD FIX | C/U & INGRS | PRPS | PST EVA H20 METX | |
| | MS3/EV2/R1 OLIVAS | POST SLEEP | HYG BRK/HATCH CLS | CAMPOUT EVA PREP | | | EMURGE | EMU PREBREATHE | C_LK DPRS | P/TV SUPPORT | | | | EXERCISE | P/TV SUPPORT | | PRPS | PST EVA H20 METX | | | | | |
| | MS4/EV1 REILLY | POST SLEEP | | | | EXERCISE | | | EVA 4 (6:30) IVA SPRT SARJ PREP/13A.1 GET AHEADS | | | | | | | | | | | | | | PRE SLEEP |
| D N | FE-2 WILLIAMS | POST SLEEP | HADPC | PREP WORK | H2 | WS3 CNFG | H/O | | | | MIDDAY-MEAL | CWC | H/O | RED | EXERCISE TVIS | | PWR ORERPK | | | | | | |
| | ISS CDR ЮРЧИХИН | POST SLEEP | PDPC | PREP WORK | СУБА-PLUG-INV | | | RED | EXERCISE CEVIS | | MIDDAY-MEAL | СВО-РОДНИК БВ2-COMPR | | IMS | COX | RODNIK | PWR ORERPK | | | | | | |
| E X P - 1 5 | FE-1 KOTOB | POST SLEEP | HYG BRK/HATCH CLS | CAMPOUT EVA PREP | | | EMURGE | EMU PREBREATHE | C_LK DPRS | EXERCISE TVIS | | MIDDAY-MEAL | | RED | | | PST EVA H20 METX | | | | | | |
| | FE-2 ANDERSON | POST SLEEP | PDPC | PREP WORK | CWC FILL INIT | WS3 CNFG | CWC | H/O | | | | MIDDAY-MEAL | CWC | H/O | PMC H2 TEAR DOWN | EXERCISE CEVIS | | PW | | | | | |
| SSRMS DAY/NIGHT | | WS3 PDGF2 | | | | | | | | | | | | | | | | | | | | 3-1 SRVY | |
| S T S | ORBIT | 136 137 138 139 140 141 142 143 | | | | | | | | | | | | | | | | | | | | | |
| | TDRS W -171 | [Timeline bars for W -171] | | | | | | | | | | | | | | | | | | | | | |
| | TDRS E -46 | [Timeline bars for E -46] | | | | | | | | | | | | | | | | | | | | | |
| ORB ATT | | BIAS -XLV -ZVV | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | *HUM SEP | *KRIOGEM-03M-VRF | | | | *TEMP CHECK #ON | | | | *OFF | | | | #PWRUP | | | | HTR* DEACT | | | | |
| | | NO IRED/HC-1 | | | | | | | | | | | | | | | | | | | | | |

FD10

06/17/07 06:08:44

REPLANNED

GMT 06/17/07 (168)
 β = 25
 MET Day 009

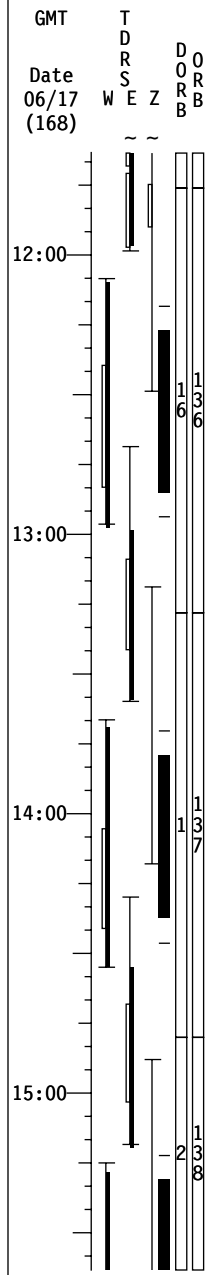


| | | | | | | | | | | | |
|---------------------------------|-----------------------|----------------------|----------------------|--------------|-----------|-----------|----------------|-----|-----|-----|--|
| S T S - 1 1 7 | CDR STURCKOW | PRE SLEEP | 02 RECONFIG TO XFER | 02 PMC * A/G | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | PLT/R2/M1 ARCHAMBAULT | PRE SLEEP | COMM 1 | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | MS1/EV3/R1 FORRESTER | PST EVA H20 METX | | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | MS2/EV4/M2 SWANSON | PST EVA H20 METX | | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | MS3/EV2/R1 OLIVAS | PST EVA H20 METX | | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | MS4/EV1 REILLY | PRE SLEEP | 02 RECONFIG TO XFER | 02 * | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| D N | FE-2 WILLIAMS | PREP WORK | DPC | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| E X P - 1 5 | ISS CDR ЮРЧИХИН | PREP WORK | DPC | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| | FE-1 KOTOV | PST EVA H20 METX | | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| U P | FE-2 ANDERSON | PW | DPC | | PRE SLEEP | SLEEP | POST SLEEP | | | | |
| SSRMS DAY/NIGHT | | W3P2 | MT XLATE WS3-WS1-WS3 | | | WS3 PDGF2 | | | | | |
| S T S | ORBIT | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | |
| | TDRS W -171 | [Timeline bars] | | | | | | | | | |
| | TDRS E -46 | [Timeline bars] | | | | | | | | | |
| | TDRS Z -275 | [Timeline bars] | | | | | | | | | |
| ORB ATT | | | | | | | BIAS -XLV -ZVV | | | | |
| NOTES | | *INIT *TEMP CHECK | | | | | | | | | |

STS-117 (FD10)

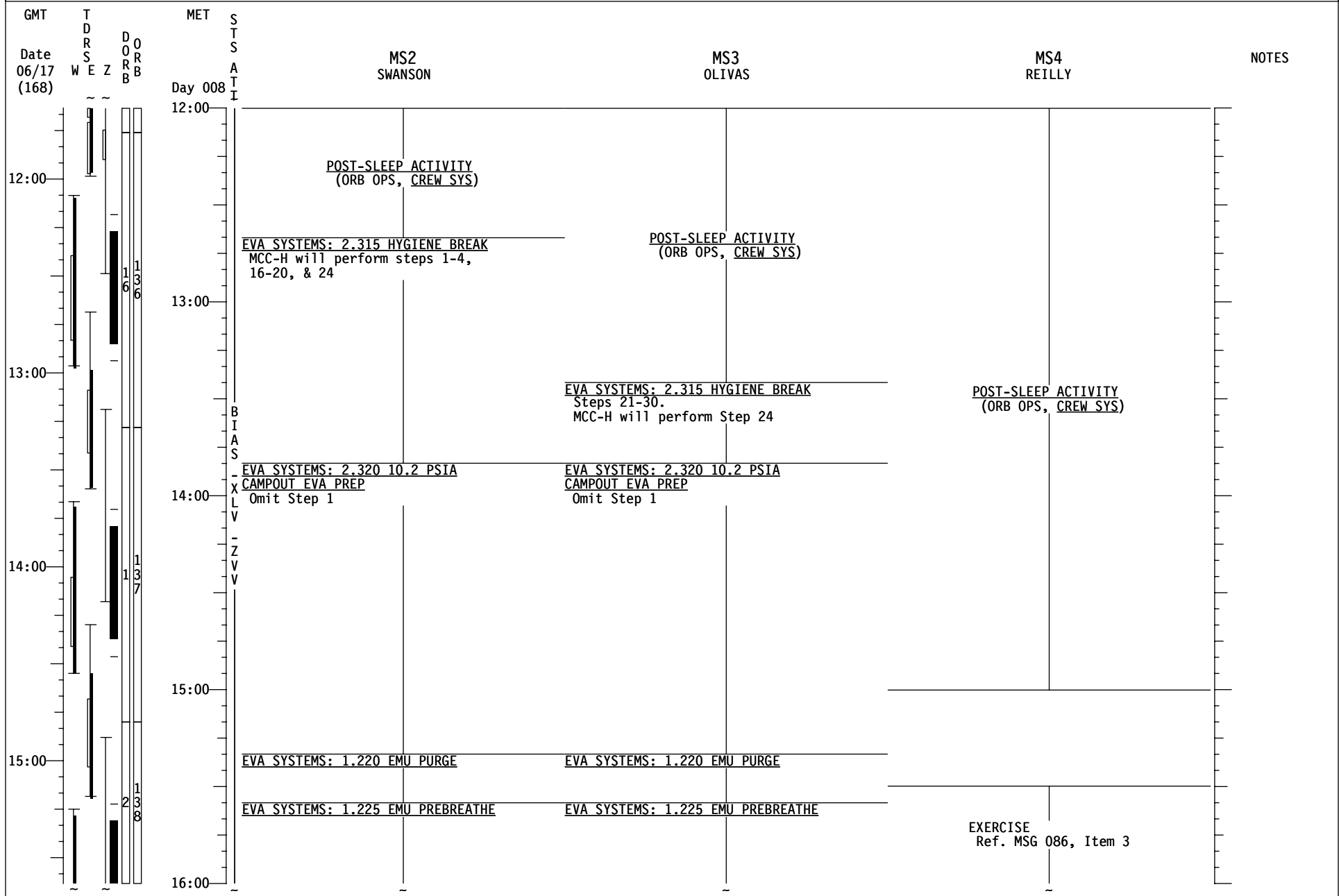
REPLANNED

| GMT Date 06/17 (168) | T D R S E Z | D O R B | MET Day 008 | S T S A T I | CDR STURCKOW | PLT ARCHAMBAULT | MS1 FORRESTER | NOTES |
|-------------------------------|----------------------------|------------------|----------------|----------------------------|--|---|--|---|
| 12:00 | | | | | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | |
| 13:00 | | | | | PRIVATE MEDICAL CONFERENCE Perform via A/G 2 | | EVA SYSTEMS: 2.315 HYGIENE BREAK MCC-H will perform steps 1-4, 16-20, & 24 | |
| 13:00 | | | | | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | | | |
| | | | | | A7 WIRELESS VID HTR - ON | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) √HUM SEP for H2O Accumulation | | |
| 14:00 | | | | | | | EVA SYSTEMS: 2.320 10.2 PSIA CAMPOUT EVA PREP Omit Step 1 | |
| 14:00 | | | | | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | | | |
| 15:00 | | | | | EVA4 INHIBIT PAD Ref. MSG 083 | | | |
| 15:00 | | | | | SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Init Fill #13 Ref. MSG 091 | EXERCISE Ref. MSG 086, Item 3 | EVA SYSTEMS: 1.220 EMU PURGE | UPLINK β21 only Box C1,C2, C3,D4 |
| | | | | | L17 Check MCIU filter screen | | EVA SYSTEMS: 1.225 EMU PREBREATHE | |
| 16:00 | | | | | SRMS TEMP CHECK Ref. MSG 086, Item 1 06 S TRK PWR -Y -ON GNC I/O RESET | | | |



STS-117 (FD10)

REPLANNED



STS-117 (FD10)

REPLANNED

| GMT | T D R S E Z | D O R B | MET | S T S | CDR | PLT | MS1 | NOTES |
|------------------------|-------------|---------|---------|-------|----------|-------------|-----------|-------|
| Date 06/17 (168) | W | E | Day 008 | A T I | STURCKOW | ARCHAMBAULT | FORRESTER | |
| 16:00 | | | | | | | | |
| 16:00 | | | | | | | | |
| 17:00 | | | | | | | | |
| 18:00 | | | | | | | | |
| 18:00 | | | | | | | | |
| 19:00 | | | | | | | | |
| 19:00 | | | | | | | | |
| 20:00 | | | | | | | | |

TRANSFER CWC/PWR TO STS
Transfer PWRs SN 1012,1018 and 2002
and 3 CWCs to STS. Ref. MSG 091

EVA SYSTEMS: 1.225 EMU PREBREATHE

P/TV07 EVA
(PHOTO/TV, SCENES)
Setup

EVA SYSTEMS: CREWLOCK DEPRESS (CC)

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform FILL TERMINATION

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS) Init Fill #14
Ref. MSG 091

EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)

EXERCISE
Ref. MSG 086, Item 3

EVA 4 SORTIE SETUP/EGRESS

SARJ DLA 2 VERIFICATION

SHUTTLE/ISS H2O CNTR FILL
(ORB OPS, ECLS)
Perform FILL TERMINATION

SSRMS EVA 4 VIEWING SUPPORT

CWC TRANSFER
Transfer 2 CWCs to ISS
Ref. MSG 091

SARJ LAUNCH RESTRAINTS

IMU STAR OF OPPTY ALIGN (ORB OPS)
06 S TRK PWR -Y -OFF
N2 RPRS USING PL N2 VLVS Init
(ORB OPS, ECLS) Steps 1-5. On MCC Go,
perform Step 6. MCC will TMBU all limits

DRAG LINK
KEEL PIN

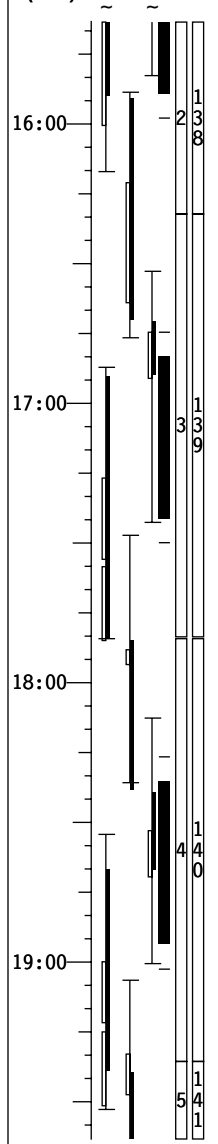
MEAL

APFR RELOCATE
MMOD SHIELD BOLTS

STS-117 (FD10)

REPLANNED

| GMT | T D R S E Z | D O R B | MET | S T S | MS2 SWANSON | MS3 OLIVAS | MS4 REILLY | NOTES |
|------------------|-------------|---------|---------|-------|---|---|--|-------|
| Date 06/17 (168) | W | E | Day 008 | A T I | | | | |
| 16:00 | | | | | EVA SYSTEMS: 1.225 EMU PREBREATHE | EVA SYSTEMS: 1.225 EMU PREBREATHE | | |
| 16:00 | | | | | EVA SYSTEMS: CREWLOCK DEPRESS (CC) | EVA SYSTEMS: CREWLOCK DEPRESS (CC) | EXERCISE Ref. MSG 086, Item 3 | |
| 17:00 | | | | | EVA SYSTEMS: CREWLOCK POST DEPRESS (CC) | EVA SYSTEMS: CREWLOCK POST DEPRESS (CC) | | |
| 17:00 | | | | | EVA 4 SORTIE SETUP/EGRESS | | | |
| 18:00 | | | | | SARJ LAUNCH RESTRAINTS | | | |
| 18:00 | | | | | | P/TV SUPPORT EVA 4 | IVA SUPPORT EVA 4 Ref. MSG 083, 084, and 090 | |
| 19:00 | | | | | DRAG LINK KEEL PIN | | | |
| 20:00 | | | | | APFR RELOCATE MMOD SHIELD BOLTS | | | |



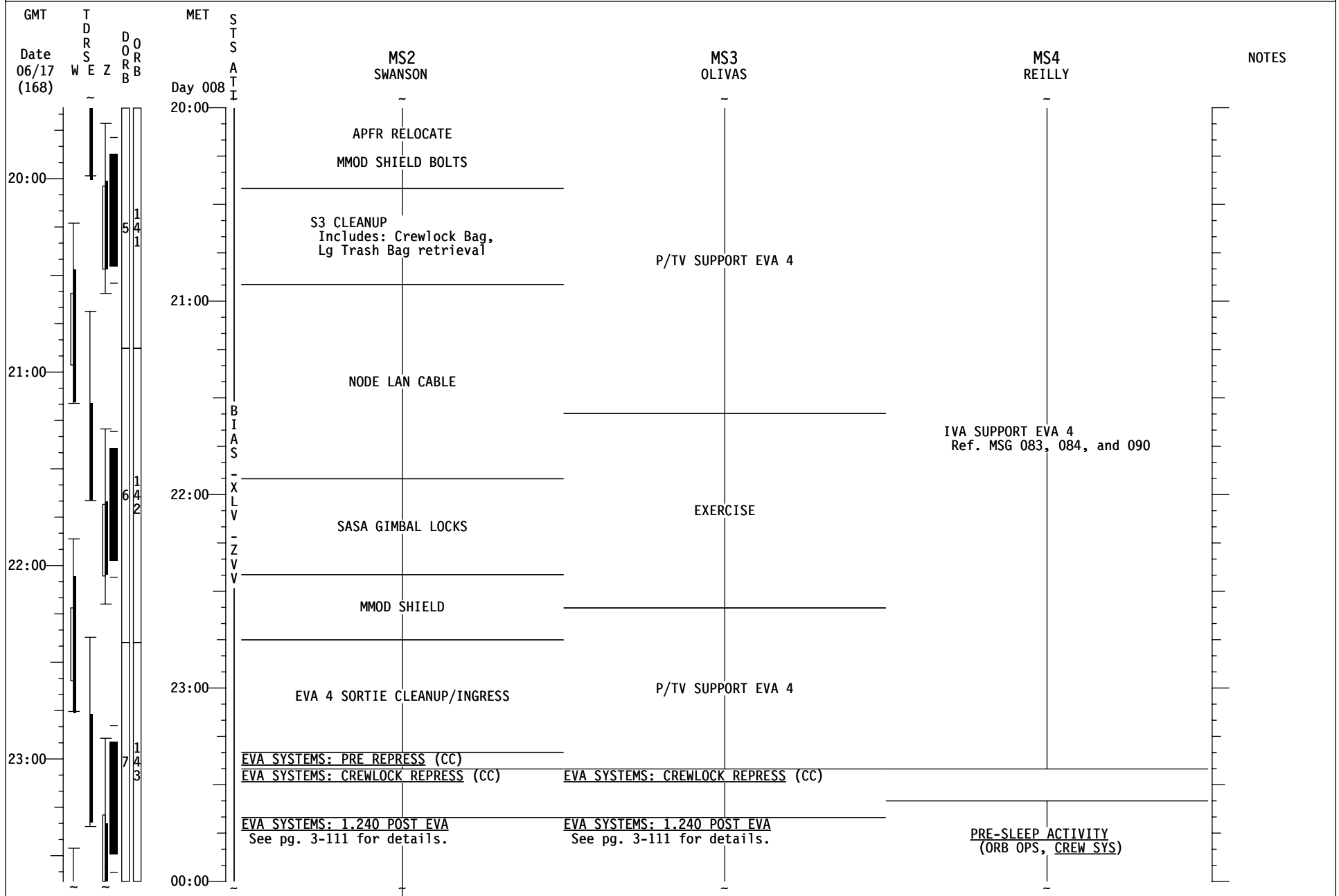
STS-117 (FD10)

REPLANNED

| GMT | T D R S E Z | D O R B | MET | S T S | CDR | PLT | MS1 | NOTES |
|-------------|-------------|---------|-----|-------|--|-----------------------------|---|-------|
| Date | W E Z | ORB | Day | A T I | STURCKOW | ARCHAMBAULT | FORRESTER | |
| 06/17 (168) | | | 008 | | | | | |
| 20:00 | | | | | MEAL | | APFR RELOCATE MMOD SHIELD BOLTS | |
| 20:00 | | 541 | | | <u>PWR FILL (ORB OPS, ECLS)</u> Perform <u>WATER FILL #3</u> Ref. MSG 091 | | ETRS TETHER SHUTTLE STOP MT STOPS | |
| 21:00 | | | | | <u>N2 RPRS USING PL N2 VLVS Term</u> (ORB OPS, ECLS) On MCC Go, Steps 7-12. MCC will TMBU all limits | | | |
| 21:00 | | | | | <u>PWR FILL</u> (ORB OPS, ECLS) Perform <u>WATER FILL #4</u> Ref. MSG 091 | | NODE LAN CABLE | |
| 22:00 | | 642 | | | | SSRMS EVA 4 VIEWING SUPPORT | | |
| 22:00 | | | | | P/TV SUPPORT EVA 4 | | GPS 4 REMOVAL | |
| 23:00 | | | | | 06 MDM PL 2 - ON SM I/O RESET <u>PWR FILL (OGS Bag)</u> (ORB OPS, ECLS) Perform <u>WATER FILL #5</u> Ref. MSG 091 | | VENT VALVE OPEN MMOD SHIELD | |
| 23:00 | | 743 | | | <u>PWR TRANSFER</u> Transfer 3 PWRs to ISS REF MSG 091 | | EVA 4 SORTIE CLEANUP/INGRESS | |
| 00:00 | | | | | A7 WIRELESS VID HTR - OFF | | <u>EVA SYSTEMS: PRE REPRESS (CC)</u> <u>EVA SYSTEMS: CREWLOCK REPRESS (CC)</u> | |
| | | | | | | | <u>EVA SYSTEMS: 1.240 POST EVA</u> See pg. 3-110 for details. | |

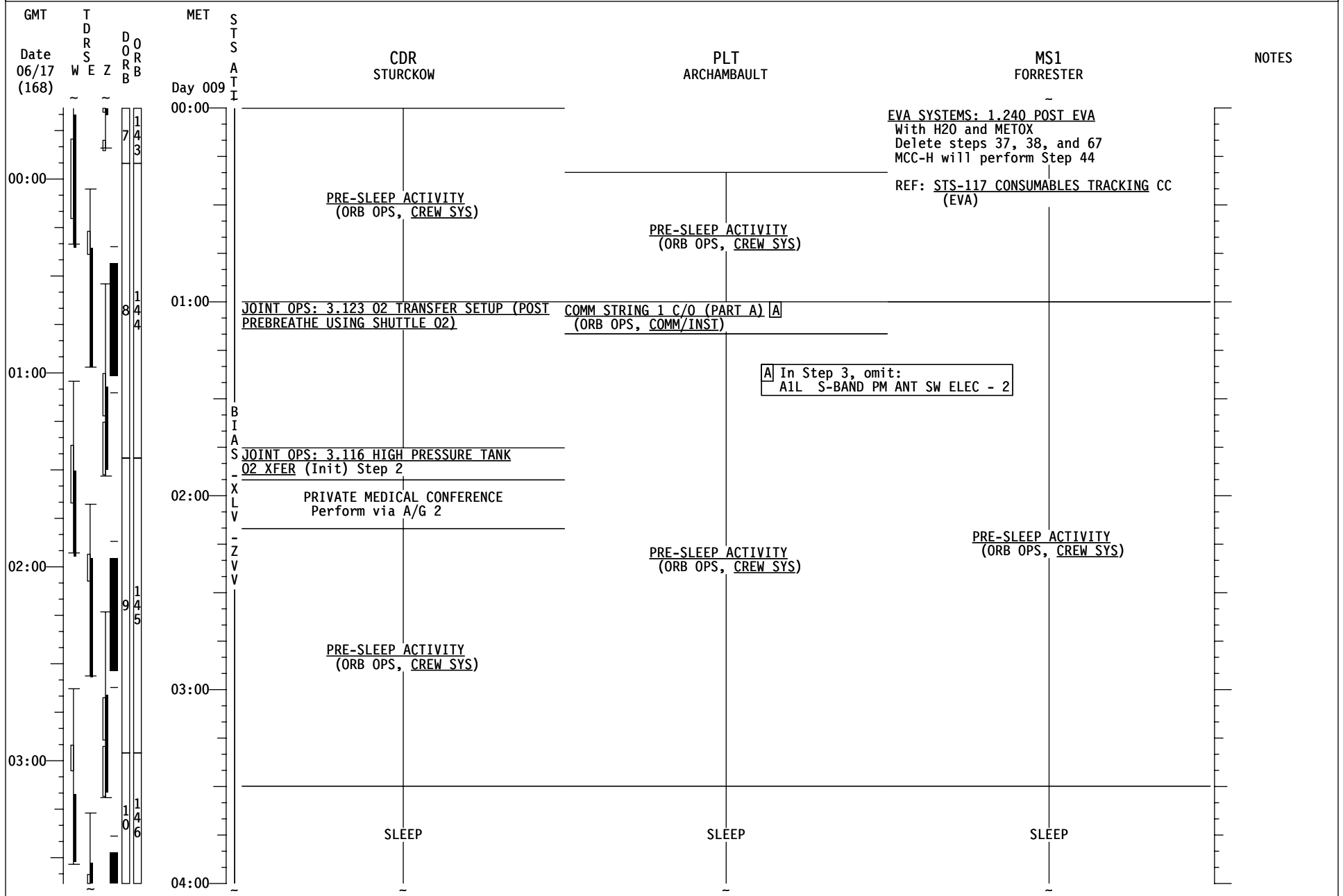
STS-117 (FD10)

REPLANNED



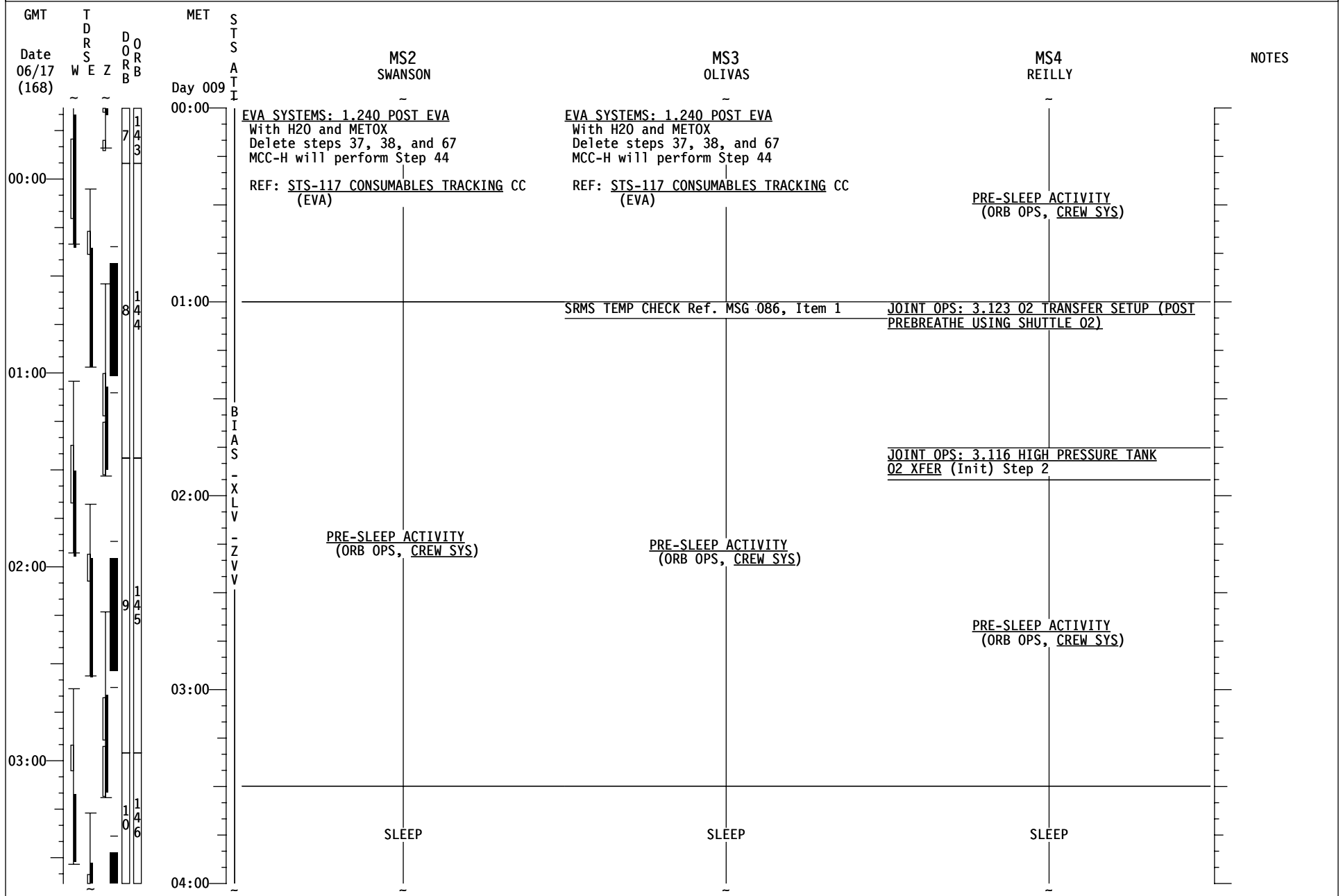
STS-117 (FD10)

REPLANNED



STS-117 (FD10)

REPLANNED



MSG 087 (15-0471) - FD10 MISSION SUMMARY

Page 1 of 1

1 Good Morning Atlantis!
2 Happy Father's Day! We are ready for another great EVA today. Good luck!

3
4

5 YOUR CURRENT ORBIT IS: 184 X 178 NM

6
7

NOTAMS:

8
9

MORON (MRN) – CLOSED

10

WAKE ISLAND (WAK) - CLOSED

11

GOOSE BAY (YYR) – RWY 08/26 CLOSED

12

LAJES (LAJ) – TACAN LAJ CH45 UNUSABLE

13

KEFLAVIK (IKF) – UNUSABLE

14

RIO GALLEGOS (AWG) – UNUSABLE

15

16

17

NEXT 2 PLS OPPORTUNITIES:

18

19

EDW22 ORB 142 – 8/22:07 (SKC 240/15P23)

20

EDW22 ORB 157 – 9/20:53 (SKC 220/12P20)

21

22

OMS TANK FAIL CAPABILITY:

23

24

L OMS FAIL: NO

R OMS FAIL: NO

25

26

LEAKING OMS PRPLT BURN:

27

28

L OMS LEAK: ALWAYS RETROGRADE

29

R OMS LEAK: ALWAYS RETROGRADE

30

31

OMS QUANTITIES(%)

32

33

L OMS OX = 31.0 R OMS OX = 33.0

34

FU = 30.8 FU = 32.5

35

36

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

37

38

DELTA V AVAILABLE:

39

40

OMS 330 FPS

41

ARCS (TOTAL ABOVE QTY1) 48 FPS

42

TOTAL IN THE AFT 378 FPS

43

44

ARCS (TOTAL ABOVE QTY2) 82 FPS

45

FRCS (ABOVE QTY 1) 23 FPS

46

47

AFT QTY 1 79 %

48

AFT QTY 2 41 %

49

50

51

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

MSG 088 (15-0472) - FD10 TRANSFER MESSAGE

Page 1 of 3

1 Good morning crew,

2

3 Thank you for all of your hard work on transfer yesterday. We don't have any transfer list
4 changed pages for today, but we do have the 5 MLE Bag C drawing and an updated Bag D
5 drawing for incorporation into the Transfer book.

6

7 The Transfer List Excel file uplinked yesterday (FD09_TransferList_STS117.xls) is still
8 current and is located on the KFX machine in **C:\OCA-up\transfer**.

9

10 For ISS, the Transfer List Excel file, FD09_TransferList_STS117.xls, is located in **K:\OCA-**
11 **up\transfer**.

12

13 Transfer Notes

14

- Bag H will now return in the CEIL Stbd 1 location. As such, please Pen & Ink the following: Return page 2, Item 403, Stowage at Undock column;

15

- From: "CEIL Stbd 2"

16

- To: "CEIL Stbd 1"

17

- Today we've uplinked the 5 MLE Bag C drawing to help you configure the bag for return. Per our discussion yesterday, you'll see this drawing contains the return location of the empty 0.5 CTB from MF57E (M/S 5 DN Clothing). We've also re-uplinked the 5 MLE Bag D drawing to remove the note about this empty 0.5 CTB.

18

19

20

21

22

- We're looking at the possibility of scavenging the following hardware from the Shuttle for ISS on FD11. Please let us know if you have any comments about these items for transfer to ISS.

23

24

- 1 roll of 2" Gray Tape

25

- 1 roll of 1" Gray Tape

26

- Any spare packages of Huggies Wipes

27

- 1 Blue/Blue Hose

28

- 1 Yellow/Red QD Adapter

29

- 1 14"x18" Cold Plate Protective Cover (aka Cookie Sheet)

30

- Items from IFM pin kit:

31

- (2) 16 Ga Pin/Socket Test Jumper Leads (24")

32

- (1) 16 Ga Oub Test Adapter

33

- (1) 20 Ga Pin Test Adapter

34

- 2 PGSCs (STS-4 and STS-5)

35

36

37 Questions/Answers for the crew

38

1. What are the S/Ns of the DCS 760 Camera Batteries (Item #2 and 9) transferred to ISS?

39

40

2. Have Clay or Suni completed the unpack of Items 27.1 and 27.2?

41

42

43 **Please incorporate uplink pages as follows:**

44

45 In **LAYOUTS** tab

46

46 Add Pages: L-7 and L-8

47

48 Call us with any questions and have a great day!

47

48

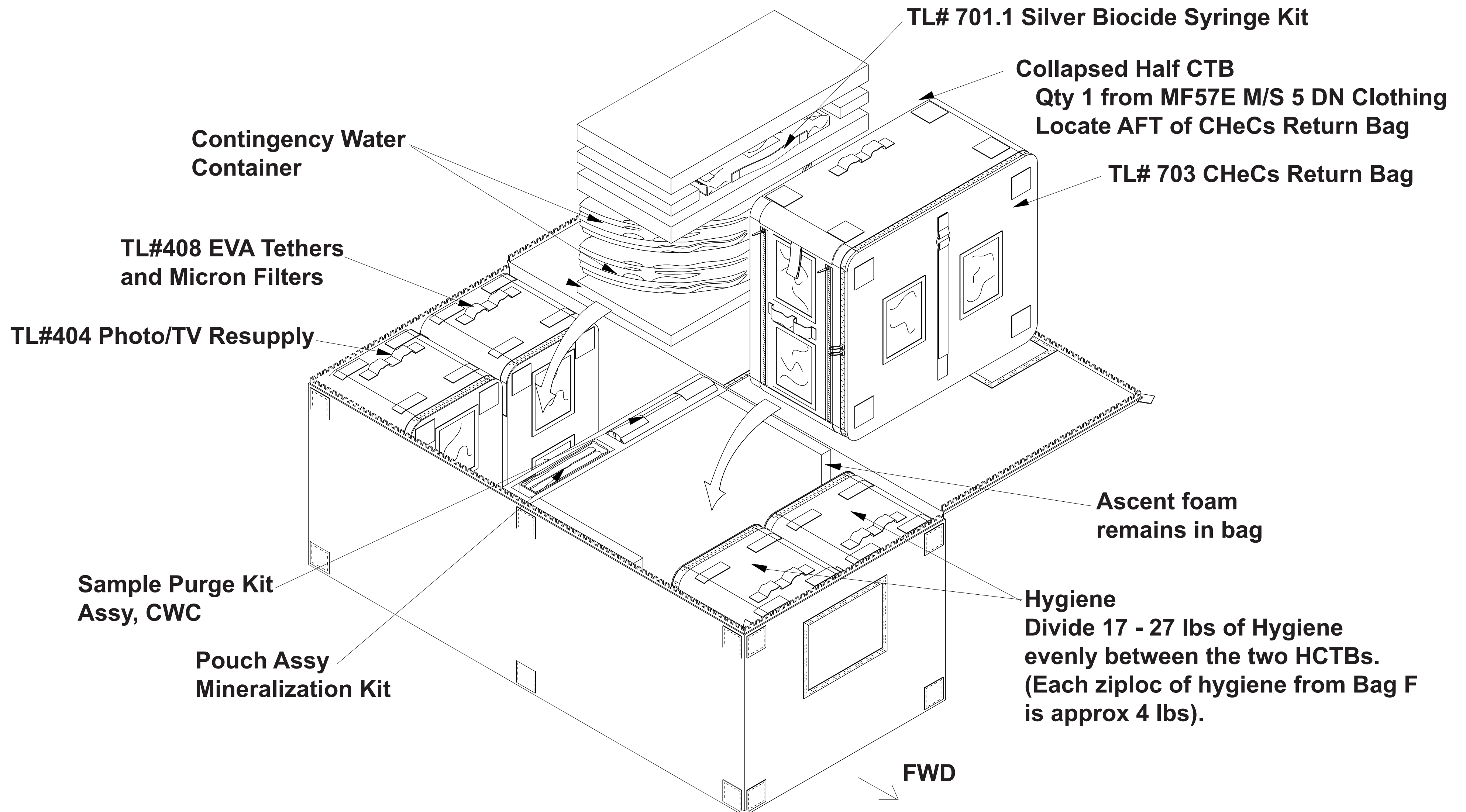
49

50 - The Transfer Team

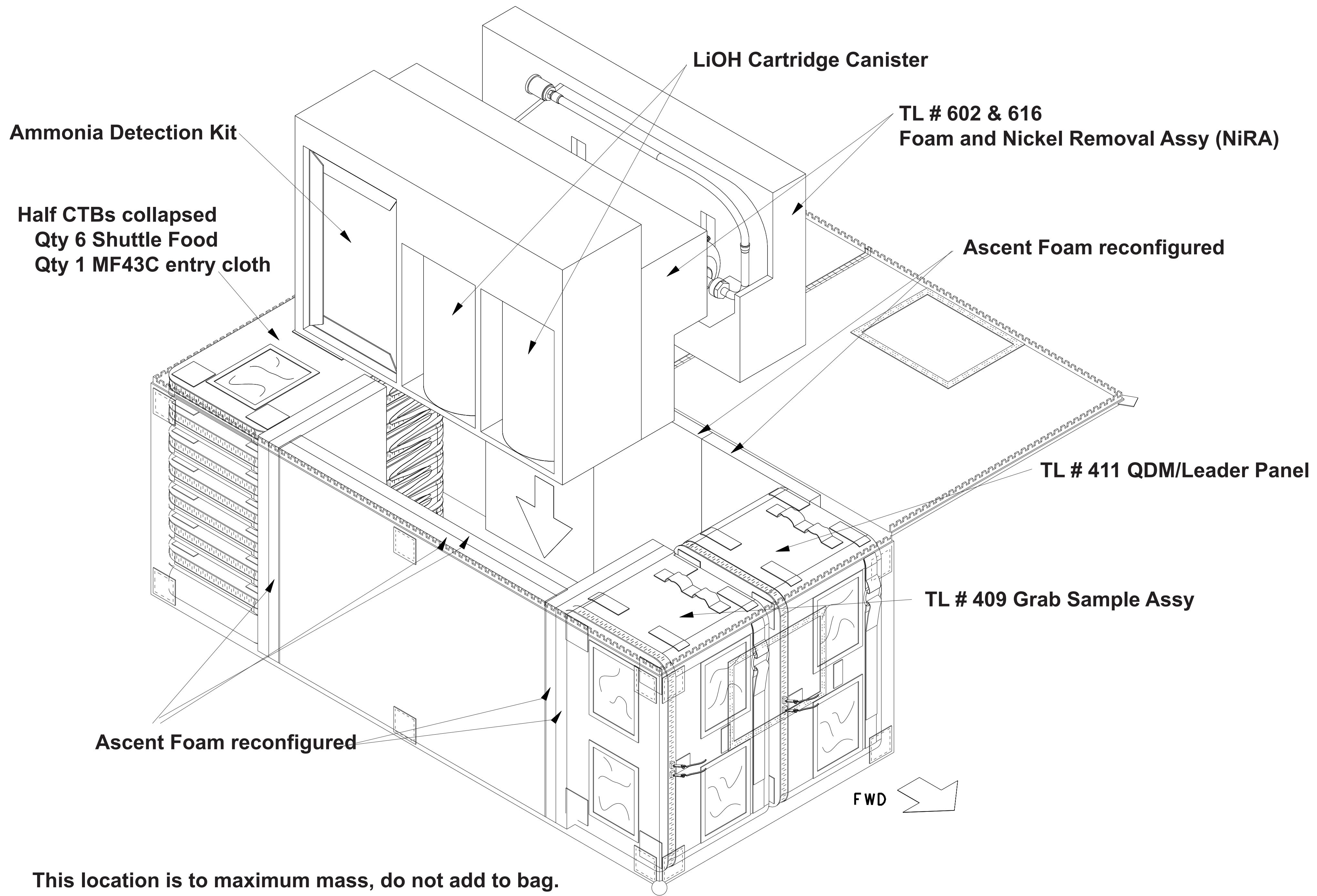
50

51

Bag C STBD Floor 1



Bag stack will be to it's maximum mass and c.g.; do not add additional items.



This location is to maximum mass, do not add to bag.

CWC FILLS FOR EXTENDED DOCKED DURATION

| CWC No. | Additives | Sample? (Note K) | CWC Label | CWC Launch Location |
|---------|-----------------|---------------------|-----------|------------------------|
| 13 | Ag Biocide only | ---- | Green | NOD1P2 (Note F) |
| 14 | Ag Biocide only | ---- | Green | NOD1P2 (Note F) |
| 15 | Ag Biocide only | ---- | Green | NOD1P2 (Note F) |
| 16 | Ag Biocide only | Sample | Green | NOD1P2 (Note F) |
| 17 | Ag Biocide only | ---- | Green | NOD1P2 (Note F,J) |
| 18 | Ag Biocide only | ---- | Green | NOD1P2 (Note F,J) |
| 19 | Ag Biocide only | ---- | Green | NOD1P2 (Note G,J) |
| 20 | Ag Biocide only | ---- | Green | NOD1P2 (Note G,J) |

Green = Technical

Post-Fill:

- Insert label into CWC window
13 14 15 16 17 18 19 20
- Apply decal to CWC end
13 14 15 16 17 18 19 20
- Mark CWC S/N on end decal
13 14 15 16 17 18 19 20
- Report S/N to MCC
13 14 15 16 17 18 19 20
- Transfer CWC to NOD1P2
(If insufficient room at NOD1P2, transfer to NOD1P3 and report to MCC)
13 14 15 16 17 18 19 20

| Kit | S/N | Launch Location | Undock Location |
|------------------|------|--------------------------|--------------------------|
| Ag Biocide Kit | 1001 | Middeck (Note H) | ISS NOD1D2 |
| Sample/Purge Kit | 1004 | Middeck STBD FLR 1 BAG C | Middeck STBD FLR 1 BAG C |

CWC Fill Notes:

- F. In NOD1P2; Available S/Ns: 1030 1070 1071 1074 1075 1076
- G. In NOD1P2; Available S/Ns: 1035 1043
- H. Was transferred to Shuttle Middeck on FD7; return to ISS NOD1P2 when complete
- I. If residual H2O noticed in CWC prior to a fill, report to MCC
- J. OPTIONAL -- Only to be filled if Undocking is extended beyond FD12
- K. Stow filled sample bags in MF43K

PWR OPS

| PWR S/N | Launch Location | Actions |
|---------|-----------------|---|
| 1012 | ISS A/L1D1_A2 | Transfer to middeck for fill on FD10, transfer to ISS A/L1D1_B1 |
| 1018 | ISS A/L1D1_A2 | " |
| 2002 | ISS A/L1D1_B2 | Transfer to middeck for fill on FD10, transfer to ISS A/L1D1_B2 (OGS) |

PWRs Refilled
1012 1018 2002

Note
Do not detach PWR
(EMU H2O Recharge Bag)
QD restraint during PWR ops

MSG 089 (15-0473) - FD09 MMT SUMMARY

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FD9 MMT Crew summary

The MMT met today to discuss mission progress, the Port OMS blanket repair, and receive a status on ISS attitude control anomalies. The team also expressed their appreciation for the exceptional blanket repair and the success in retracting the P6 array.

Port OMS Blanket Repair:

The repaired blanket looks great and as a result the MMT has cleared your TPS for entry. The team unanimously concluded, based on excellent EVA helmet camera video of the repaired configuration, that the repaired blanket is completely bounded by the blanket pull tests, Arc Jet and Wind Tunnel testing, all of which were used to develop the repair procedures. The team was very impressed with the repair and thanks Danny for a job well done!

ISS Attitude Control Anomaly:

The MMT was provided a status on the capability of Russian Central Computers as well as the troubleshooting that resulted in a successful restart and operation of this computer system. While the team is still working to determine the root cause of the problem, the initial thought is that a leg of circuit protection in line with the Russian Central Computers may be the culprit as evidenced by the computers working after this circuit was bypassed. Stability of the computer system continues to be assessed by the team and a confidence check is being planned to verify attitude control capability.