

STS-119/15A

FD 09 Execute Package



MSG	Page(s)	Title
093 C	1 - 15	FD09 Flight Plan Revision (pdf)
094	16 - 17	FD09 Mission Summary (pdf)
095	18 - 22	FD09 Transfer Message (pdf)
096	---	FD08 MMT Summary (pdf - Electronic Only)
097	23 - 24	FD09 EVA Deltas (pdf)
098	---	STS-119/15A Exercise Constraints FD09-11 (pdf - Electronic Only)
099	---	NCAA Basketball Championship Brackets, Weekend Wrap-up (pdf - Electronic Only)
100	25	External Airlock Bag Layout (Bag I) (pdf)
101 A	---	Stowage Locations for FD09 (pdf - Electronic Only)

Approved by FAO: M. Blanton

Last Updated: Mar 23 2009 10:04AM GMT
JEDI (Joint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003

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1 MSG INDEX

2

3 <u>MSG NO.</u>	4 <u>TITLE</u>
5 MSG093	6 FD09 Flight Plan Revision
7 MSG094	8 FD09 Mission Summary
9 MSG095	10 FD09 Transfer Message (18-1345)
11 MSG096	12 FD08 MMT Summary
13 MSG097	14 15A EVA3 Final Summary Timeline (18-1346)
15 MSG098	16 STS-119/15A Exercise Constraints FD09-11 (18-1347)
17 MSG099	18 NCAA Basketball Championship Brackets, Weekend Wrap-up (18-1348)
19 MSG100	20 External Airlock Bag Layout (Bag I)
21 MSG101	22 Stowage Locations for FD09 (18-1207)

23

24 1. Cryo Config

25 For today's cryo config, O2 Tanks 1, 3 & 4 and H2 Tanks 1 & 5 will be active.

26 **R1 O2, H2 MANF VLV TK1 (two) - OP (tb-OP)**
27 **O2 TK3 HTR A - AUTO**

28 **A11 CRYO TK4 HTR O2 A - AUTO**

29 **A15 CRYO TK5 HTR O2 A – OFF**

30 2. Silver Biocide Kits

31 In order to leave two more Silver Biocide syringes in the kit being transferred to ISS
32 (S/N 1006) use the last two syringes in Silver Biocide Kit (S/N 1003) on two of the
33 remaining CWC fills. Notify MCC which Silver Biocide Kit is used on each
34 remaining CWC fill.

35 3. External Airlock Bag Layout (Bag I)

36 We have included in the execute package a stowage plan for the external airlock
37 bag (MSG 100). You will find 2 copies of a diagram showing the recommended
38 external airlock bag layout. Any changes to the layout will be uplinked via an
39 additional message.

40 4. EVA 3

41 Thanks for all of your hard work getting ready for EVA 3! Please reference MSG
42 097 (18-1346) FD09 EVA Deltas for the revised EVA 3 summary timeline and a few
43 other EVA related items.

1 5. PGSC Transfer

2
3 We've been asked to assess the impact of transferring two PGSCs to the ISS prior
4 to undock (in addition to returning the AFD PCS to ISS). Our current
5 recommendation is to transfer the RPOP and RPOP2 PGSCs. We believe the
6 WLES laptop could be used to run RPOP during undock (with the KFX laptop as a
7 backup) and that the KFX laptop could be used to run DOUG during the late
8 inspection.

9
10 Are you comfortable giving up two laptops and do you have a preference as to
11 which PGSCs should be transferred?

12
13 6. REPLACE PAGES 2-28, 2-30, 2-32 AND 3-90 THROUGH 3-99.
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NO UNISOLATED EXERCISE DURING MT TRANSLATE

REPLANNED

GMT 03/22/09 (081) 007/00 MET Day 007 03/23 01 02 03 04 05 06 07 08 09 10 11 12

Activity	01	02	03	04	05	06	07	08	09	10	11	12
FD08 CDR ARCHAMBAULT	EVA 3 PROC RVW PS RLE P RLE P E/DPC P EVA/G	PRE SLEEP PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	PMC A/G
PLT ANTONELLI	EVA 3 PROC RVW	PRE SLEEP EVA CAMPOUT PRB INIT	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
MS1 ACABA	EVA 3 PROC RVW	PRE SLEEP EVA CAMPOUT PRB INIT	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	A/LI REPI SLEEP
MS2 SWANSON	EVA 3 PROC RVW	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
MS3 ARNOLD	EVA 3 PROC RVW	PRE SLEEP EVA CAMPOUT PRB INIT	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
MS4 PHILLIPS	EVA 3 PROC RVW	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
FE-2 MAGNUS	TVIS	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
ISS CDR FINCKE	EVA 3 PROC RVW	PRE SLEEP EVA CAMPOUT PRB INIT	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
FE-1 LONCHAKOV	PREP WORK	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
FE-2 EXP18 WAKATA	EVA 3 PROC RVW	PRE SLEEP EVA CAMPOUT PRB INIT	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	PRE SLEEP PRE SLEEP	SLEEP	SLEEP	SLEEP	POST SLEEP	POST SLEEP	HYGN BRK/ PRE BRTHE
DAY/NIGHT ORBIT	1111	112	113	114	115	116	117	118	119	120	121	122
TDRS W Z	1111	112	113	114	115	116	117	118	119	120	121	122
TDRS ISS AVAIL ORB ATT	1111	112	113	114	115	116	117	118	119	120	121	122
NOTES	BIAS -XIV -ZV											

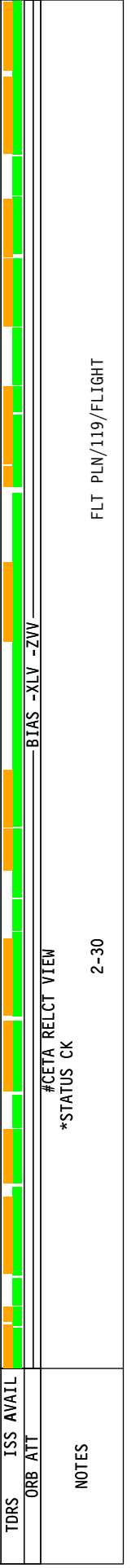
#POST SLEEP
@POST SLEEP

EXERCISE CONSTRAINTS-SEE DETAILS

REPLANNED

GMT 03/23/09 (082) MET Day_007 12 12 13 13 14 14 15 15 16 16 17 17 18 18 19 19 20 20 21 21 22 22 23 23 008/00

FD09 R2 CDR ARCHAMBAULT	POST SLEEP	EXERCISE	P/TV 07 EVA S/U	P/TV07 EVA OPS	MEAL	P/TV07 EVA OPS	P/TV 08 OPS SETUP	P/TV 08 OPS PRE SLEEP
	PS HYG OL BRK/ SE HATCH TE PCLS	EMU PREBREATHE	C LK DPRS	EXERCISE OPS	MEAL	EXERCISE OPS	POST EVA W/H2O	
R1 PLT ANTONELLI	CAMP OUT EVA PREP	EMU PREBREATHE	C LK DPRS	CETA RELOCATE	P3 NADIR UCCAS DPLY	S3 PAS DEPLOYS	POST EVA W/H2O	
EV3 MS1 ACABA	HYGN BRK/ PRE BRTHE 110.2 DPRS	EMU PREBREATHE	C LK DPRS	CETA RELOCATE	P3 NADIR UCCAS DPLY	S3 PAS DEPLOYS	POST EVA W/H2O	
IV MS2 SWANSON	POST SLEEP	EXERCISE	EVA 3 IVA SPT PREP	EVA 3 IVA SUPPORT EVA 3 (6:30)			PRE SLEEP	
EV2 MS3 ARNOLD	HYGN BRK/ PRE BRTHE	EMU PREBREATHE	C LK DPRS	CETA RELOCATE	P3 NADIR UCCAS DPLY	S3 PAS DEPLOYS	POST EVA W/H2O	
M1 MS4 PHILLIPS	POST SLEEP	EXERCISE	EXERCISE	CETA RELOCATE SUPPRT	MEAL	XFER OPS	XFER OPS	
FE-2 MAGNUS	POST SLEEP	EXERCISE	EXERCISE	CETA RELOCATE SUPPRT	MEAL	XFER OPS	XFER OPS	
ISS CDR FINCKE	POST SLEEP	EXERCISE	EXERCISE	CETA RELOCATE SUPPRT	MEAL	XFER OPS	XFER OPS	
FE-1 LONCHAKOV	POST SLEEP	EXERCISE	EXERCISE	CETA RELOCATE SUPPRT	MEAL	XFER OPS	XFER OPS	
M2 FE-2 EXP18 WAKATA	POST SLEEP	EXERCISE	EXERCISE	CETA RELOCATE SUPPRT	MEAL	XFER OPS	XFER OPS	



#CETA RELCT VIEW
*STATUS CK

2-30

FLT PLN/119/FLIGHT

REPLANNED

GMT 03/23/09 (082) 03/24 008/00 01 01 02 02 03 03 04 04 05 05 06 06 07 07 08 08 09 09 10 10 11 11 12

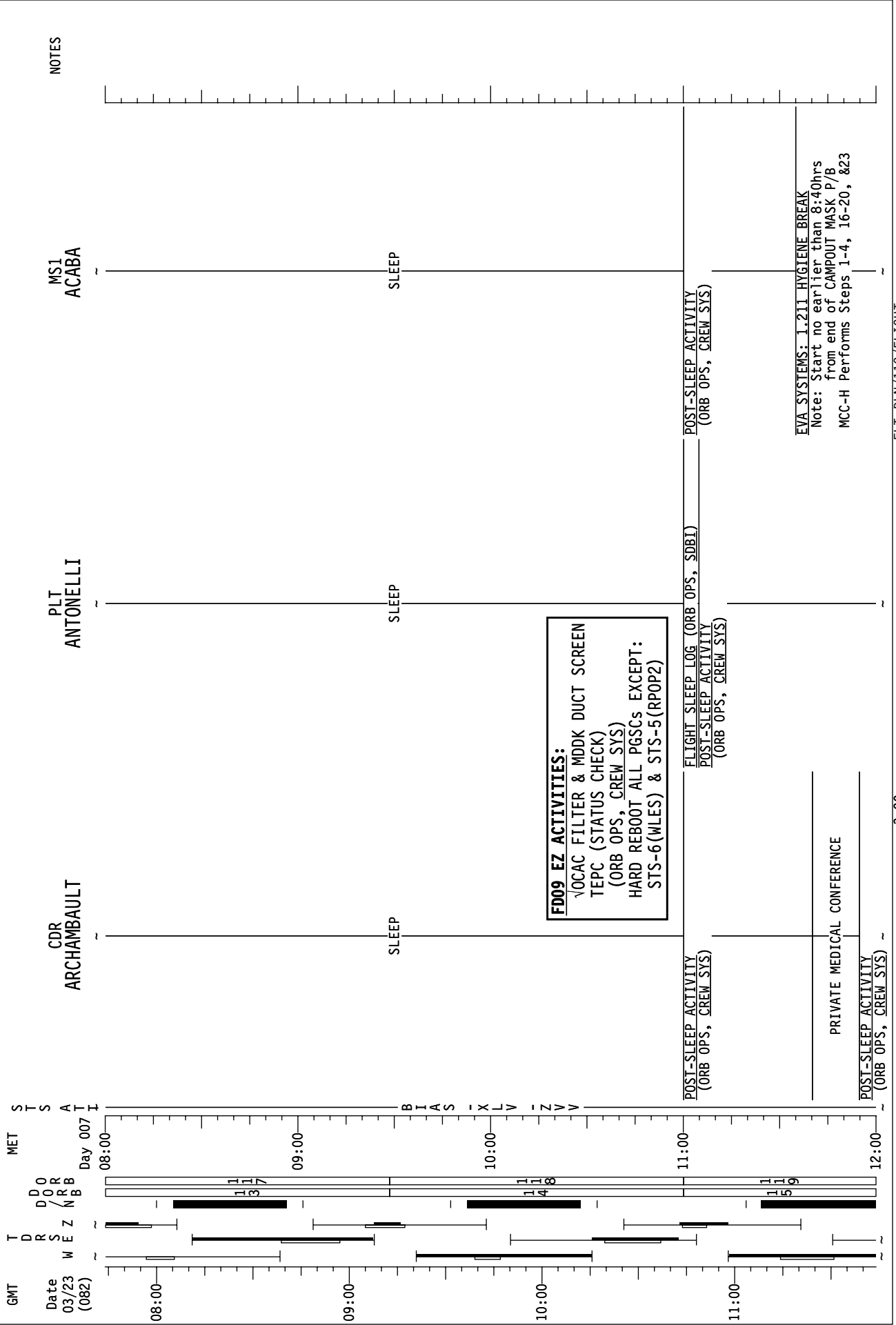
MET	Day 008	03/24 008/00	01	01	02	02	03	03	04	04	05	05	06	06	07	07	08	08	09	09	10	10	11	11	12
FD09 R2	CDR ARCHAMBAULT	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP	PRE SLEEP
R1	PLT ANTONELLI																								
EV3	MS1 ACABA																								
IV	MS2 SWANSON																								
EV2	MS3 ARNOLD																								
M1	MS4 PHILLIPS																								
FE-2	MAGNUS																								
ISS CDR	FINCKE																								
FE-1	LONCHAKOV																								
M2	FE-2 EXP18 WAKATA																								
DAY/NIGHT	ORBIT																								
TDRS	W E Z																								
TDRS	ISS AVAIL																								
ORB ATT																									
POST EVA W/H20	*CHOICE D/L																								
POST EVA W/H20																									
POST EVA W/H20																									
STATUS CK																									

BIAS -XLV -ZW

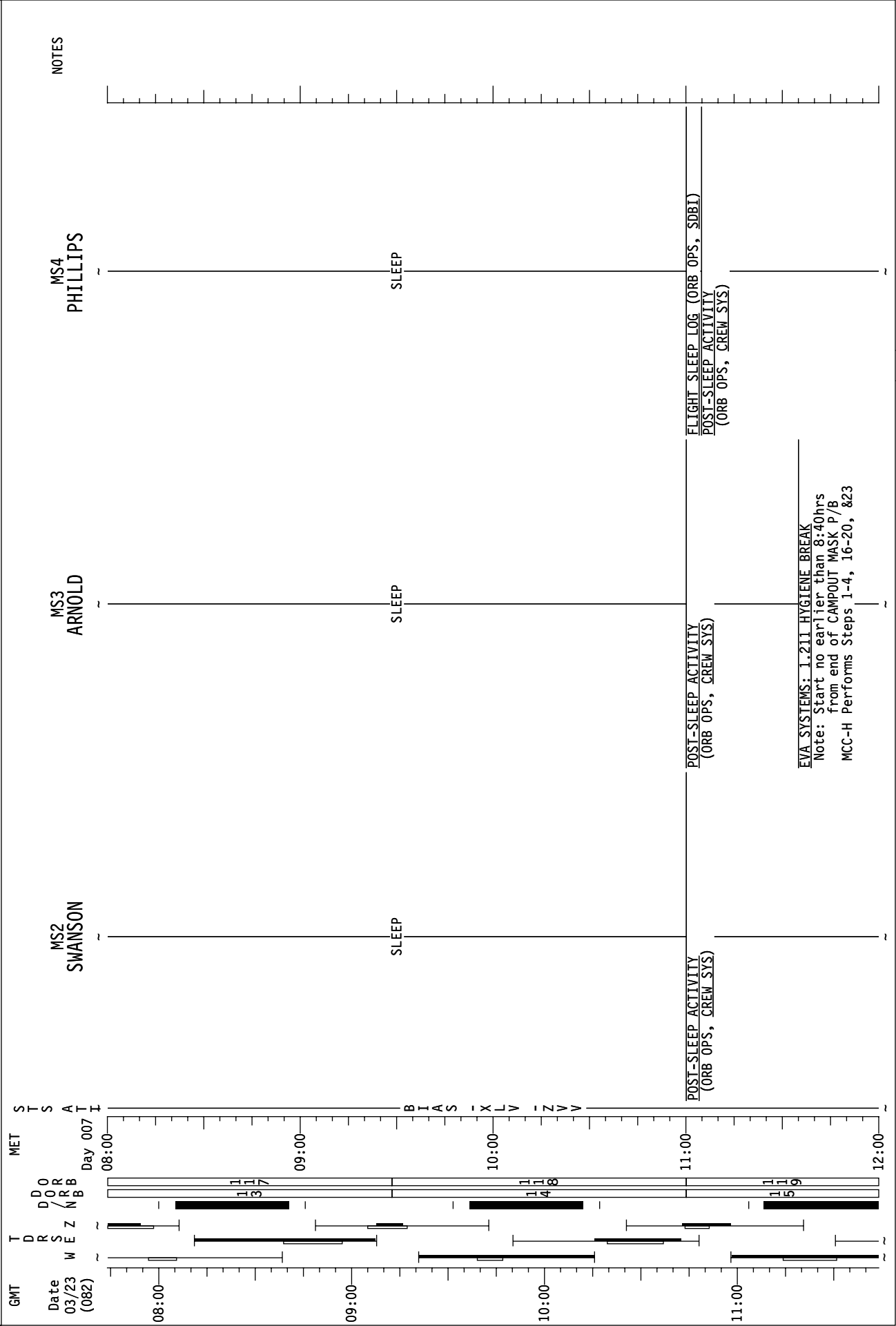
2-32

FLT PLN/119/FLIGHT

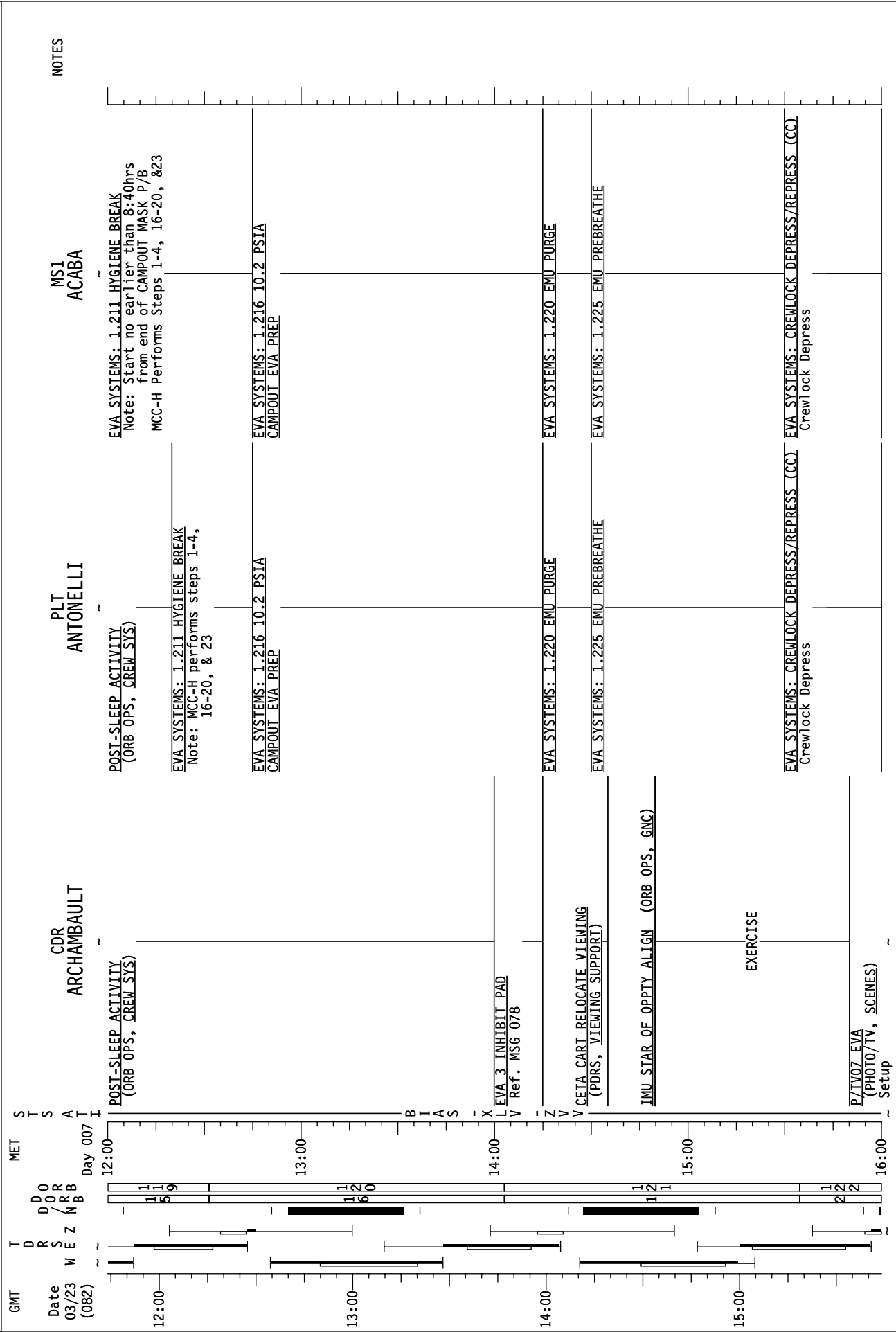
STS-119 FD (09)



STS-119 FD (09)



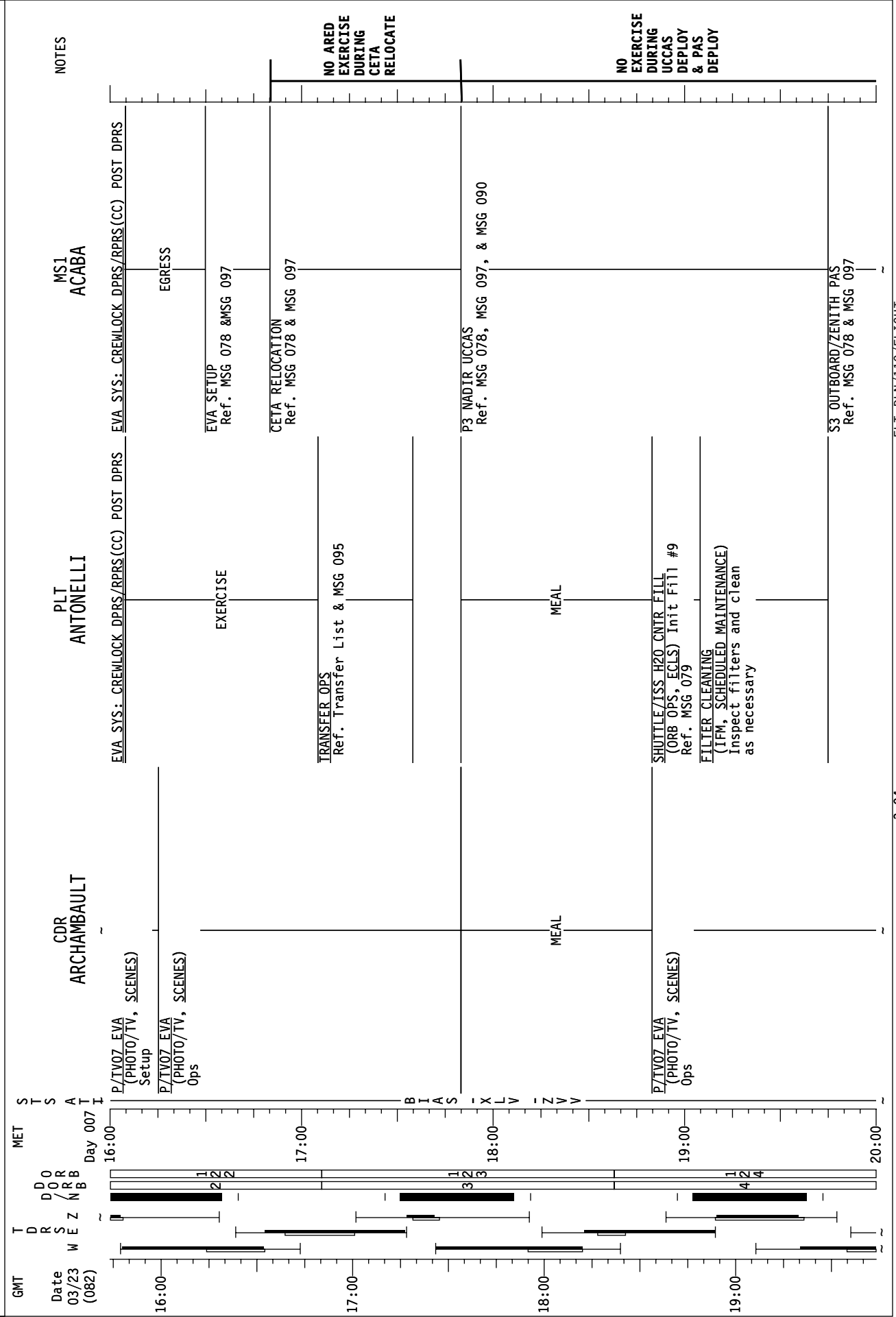
STS-119 FD (09)



STS-119 FD (09)

GMT	Date 03/23 (082)	Time 007 I	MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	NOTES
12:00		12:00	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	EVA SYSTEMS: 1.211 HYGIENE BREAK Note: Start no earlier than 8:40hrs from end of CAMPOUT MASK P/B MCC-H Performs Steps 1-4, 16-20, &23	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
13:00		13:00		EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP		
14:00		14:00	EXERCISE	EVA SYSTEMS: 1.220 EMU PURGE	MDDK ST CK (ASSY OPS, PAYLOADS) Step 1 only DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG 095	
15:00		15:00	IVA SUPPORT PREP EVA 3	EVA SYSTEMS: 1.225 EMU PREBREATHE	TRANSFER OPS Ref. Transfer List & MSG 095	
16:00		16:00		EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Depress		EXERCISE

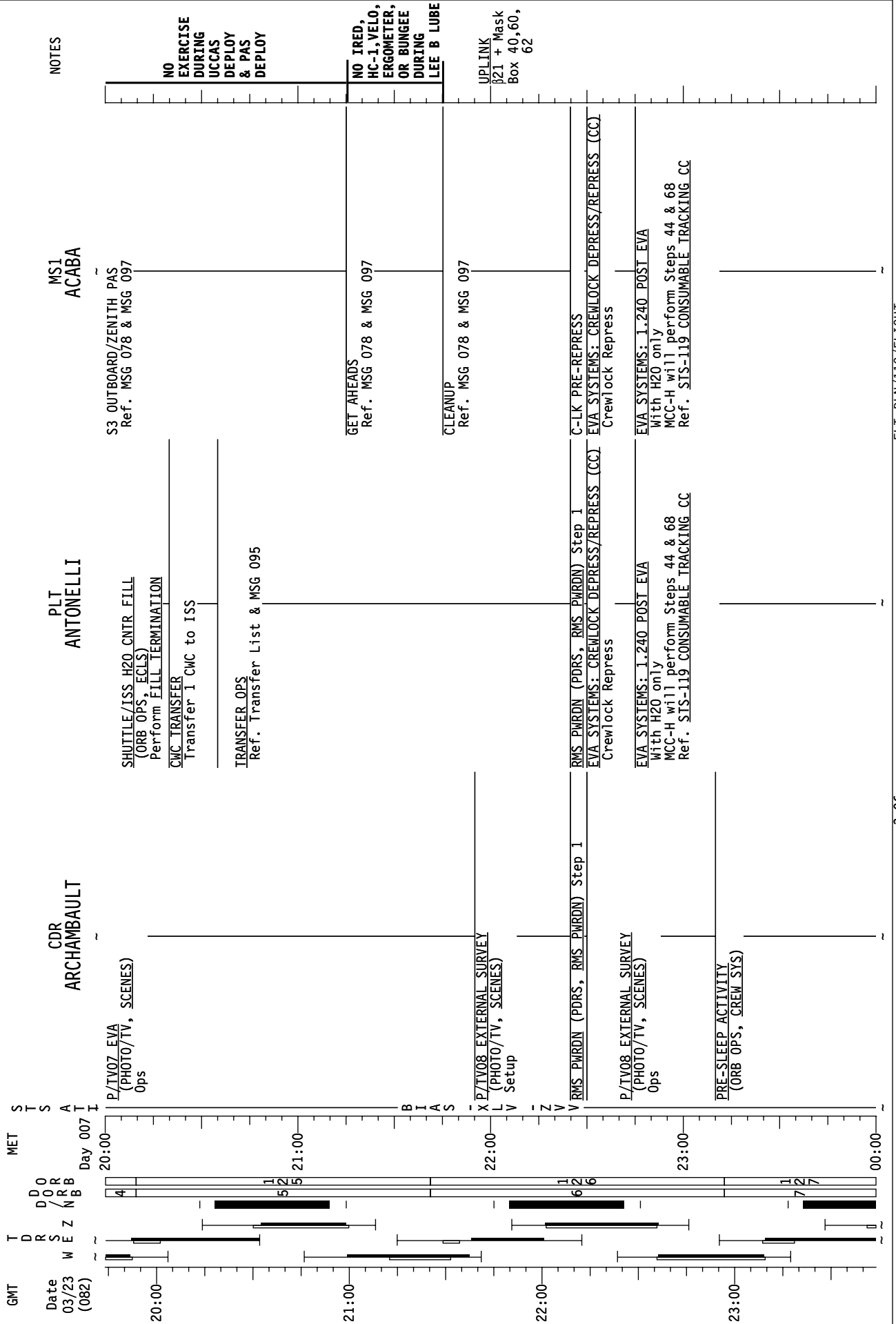
STS-119 FD (09)



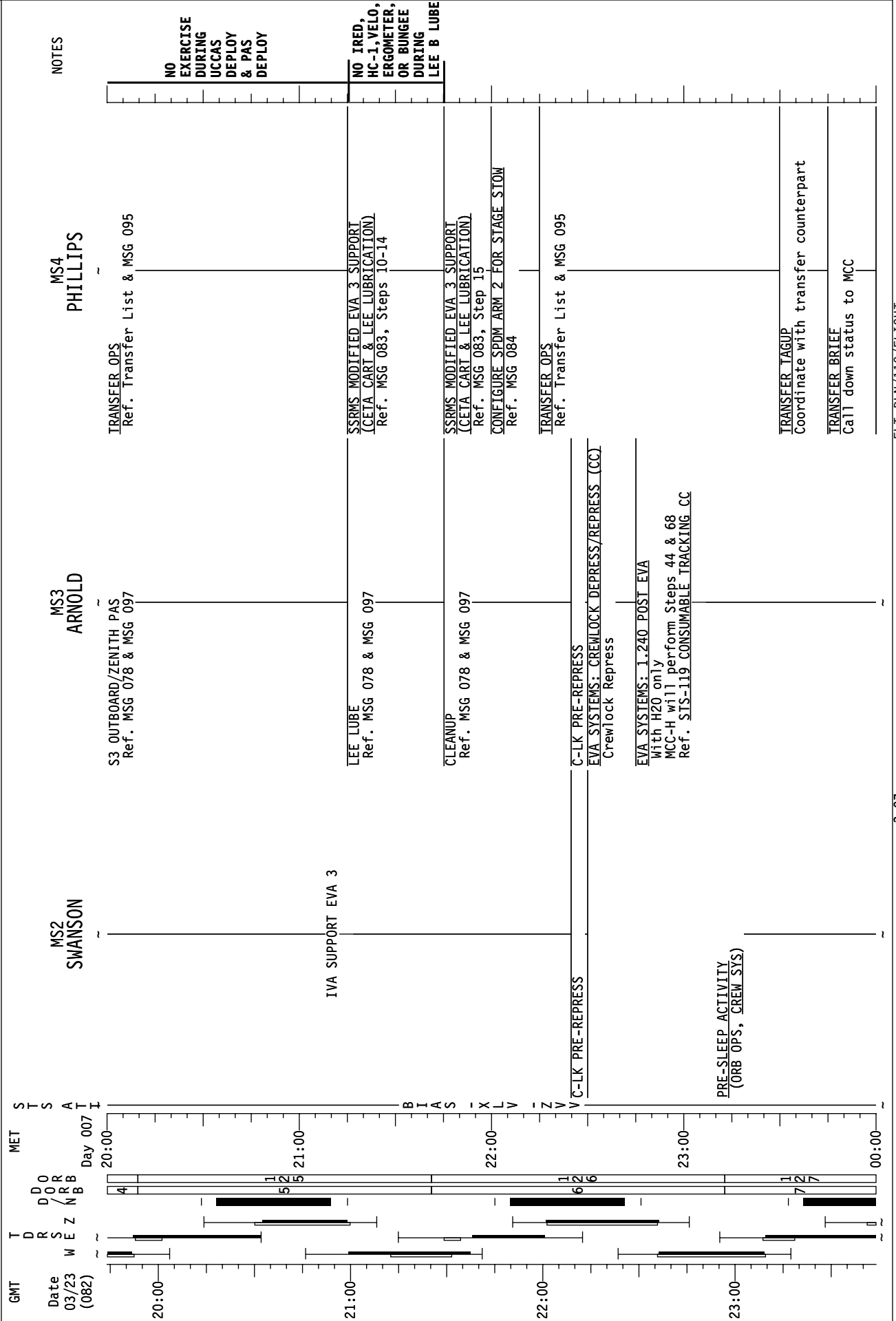
STS-119 FD (09)

GMT	Date 03/23 (082)	MS2 SWANSON	MS3 ARNOLD	MS4 PHILLIPS	NOTES
16:00		EVA SYS: CREWLOCK DPRS/RPRS (CC) POST DPRS	EVA SYS: CREWLOCK DPRS/RPRS (CC) POST DPRS		
16:00			EGRESS	EXERCISE	
16:00		EVA SETUP Ref. MSG 078 & MSG 097		SSRMS MODIFIED EVA 3 SUPPORT (CETA CART & LEE LUBRICATION) Ref. MSG 083, Steps 1-2	
17:00		CETA RELOCATION Ref. MSG 078 & MSG 097		SSRMS MODIFIED EVA 3 SUPPORT (CETA CART & LEE LUBRICATION) Ref. MSG 083, Steps 3-7	
17:00					NO ARED EXERCISE DURING CETA RELOCATE
18:00		IVA SUPPORT EVA 3	P3 NADIR UCCAS Ref. MSG 078, MSG 097, & MSG 090	SSRMS MODIFIED EVA 3 SUPPORT (CETA CART & LEE LUBRICATION) Ref. MSG 083, Steps 8-9	
18:00					
19:00				MEAL	
19:00					
19:00			S3 OUTBOARD/ZENITH PAS Ref. MSG 078 & MSG 097	TRANSFER OPS Ref. Transfer List & MSG 095	
20:00					

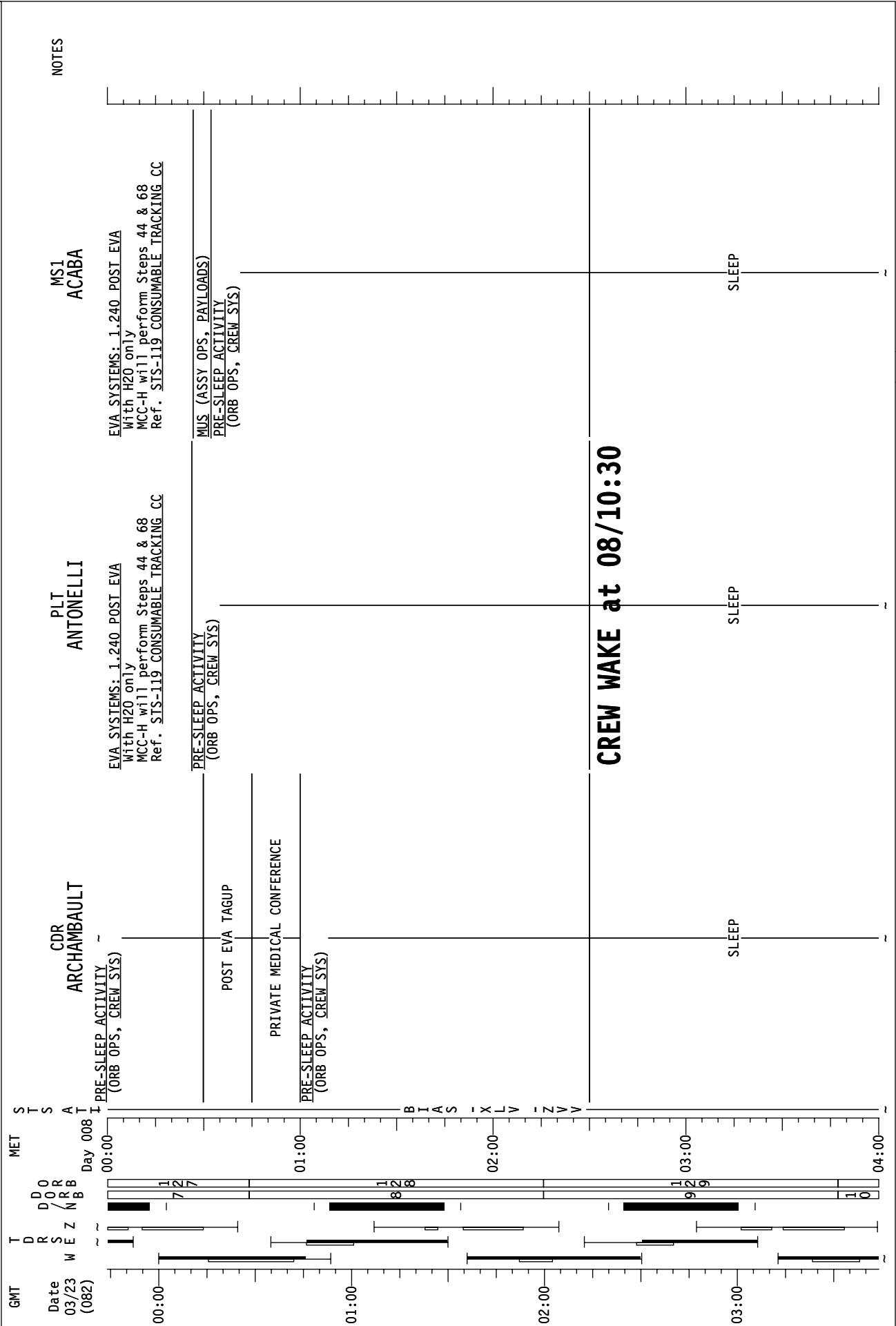
STS-119 FD (09)



STS-119 FD (09)



STS-119 FD (09)



NOTES

MS1 ACABA

PLT ANTONELLI

CDR ARCHAMBAULT

MET

GMT Date 03/23 (082)

Day 008

Time 00:00, 01:00, 02:00, 03:00, 04:00

Activity: D O R S W E Z, T R S W E Z, D O R S W E Z

Activity: PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

Activity: POST EVA TAGUP

Activity: PRIVATE MEDICAL CONFERENCE

Activity: PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

Activity: MUS (ASSY OPS, PAYLOADS) PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

Activity: SLEEP

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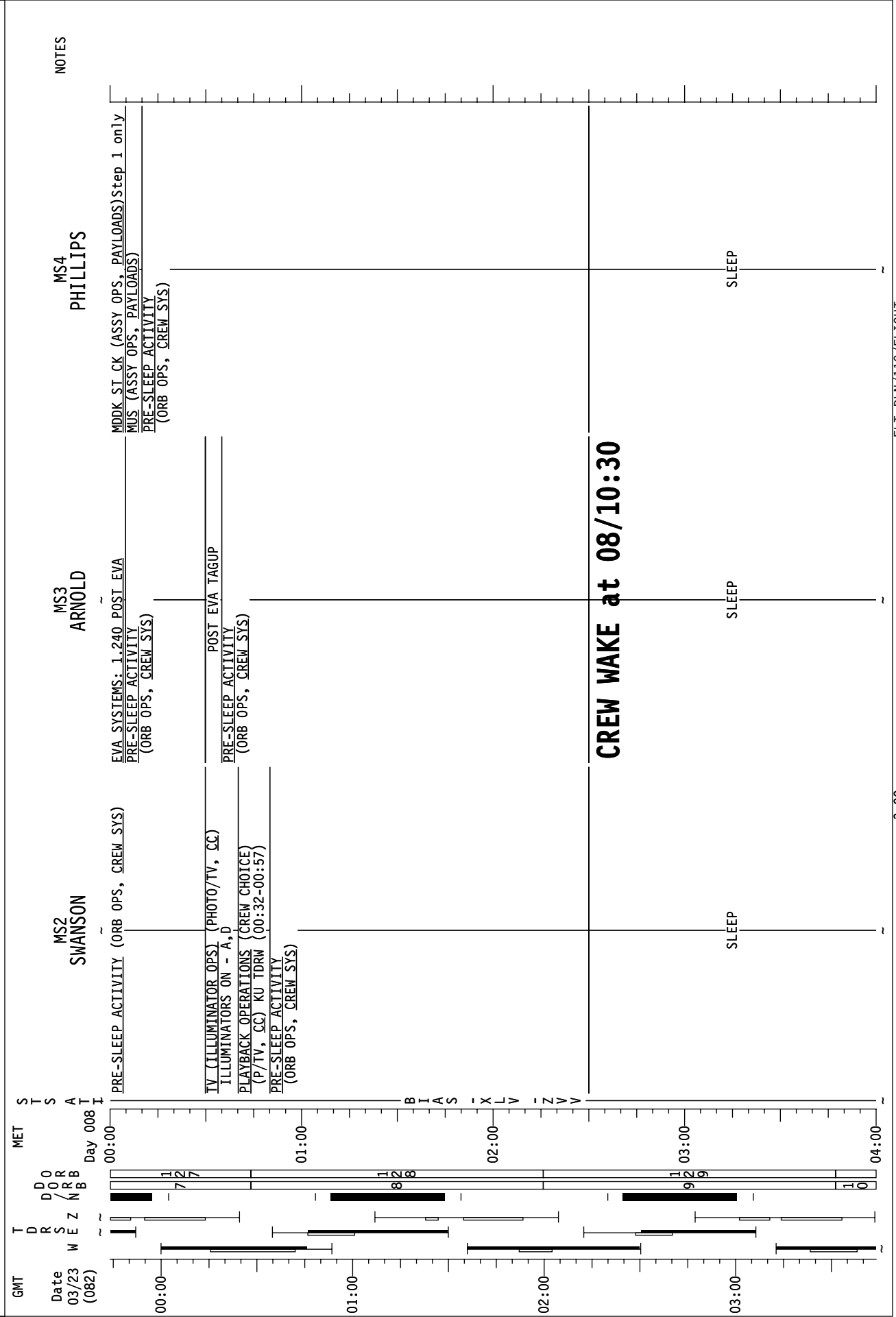
Activity: SLEEP

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Activity: SLEEP

FLY PLN/119/FLIGHT

STS-119 FD (09)



MSG 094 - FD09 MISSION SUMMARY

1 Good Morning Discovery!

2
3 Enjoy EVA 3 today!

4
5
6
7 YOUR CURRENT ORBIT IS: 197 X 185 NM

8
9 NOTAMS:

10
11 **NOTAMS – ONE ADDITION**

12
13 EDW - EDW IN USE. EDT ELS DAY / VFR ONLY.
14 EDW - LAKEBED RUNWAYS RED - WET.
15 NOR - LAKEBED RUNWAYS GREEN.
16 ILM - DME DIW107 OTS
17 FMH - TACAN PVD103 DME ONLY.
18 DOV - RWY 14/32 CLOSED.
19 YQX - TACAN YQX74 OTS.
20 **YYT - TACAN YYT23 DME ONLY.**
21 MRN - TACAN AOG23 OTS.
22 WAK - TACAN AWK82 OTS.
23 HAW - TACAN ASI59 DME OTS.
24 IKF - NOT USABLE. NO AGREEMENT.
25 BEN - NOT RECOMMENDED/NOT SUPPORTED.

26
27 NEXT 2 PLS OPPORTUNITIES:

28
29 EDW04 ORB 126 – 7/22:32 SKC 7 030/9P14
30 EDW04 ORB 141 – 8/21:24 SKC 7 040/8P12

31
32 OMS TANK FAIL CAPABILITY:

33
34 L OMS FAILS: NO
35 R OMS FAILS: NO

36
37 LEAKING OMS PRPLT BURN:

38
39 L OMS LEAK: ALWAYS BURN RETROGRADE
40 R OMS LEAK: ALWAYS BURN RETROGRADE

41
42 OMS QUANTITIES(%)

43
44 L OMS OX = 36.1 R OMS OX = 35.8
45 FU = 35.6 FU = 35.8

46 Subtract interconnect counter for current OMS quantities.
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MSG 094 - FD09 MISSION SUMMARY

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DELTA V AVAILABLE:

OMS	370 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>47 FPS</u>
TOTAL IN THE AFT	417 FPS
ARCS (TOTAL ABOVE QTY2)	81 FPS
FRCS (ABOVE QTY 1)	22 FPS
AFT QTY 1	78 %
AFT QTY 2	41 %

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

MSG 095 (18-1345) - FD09 TRANSFER MESSAGE

Page 1 of 5

1 John & Ricky,
2

3 You are getting very close to completing transfer for the mission! There are still some
4 requests coming in for more return items, so we will be keeping you busy over these last few
5 days. The biggest impact is the return of an additional RFTA. If this is approved, it will
6 affect either Bag A or B, and replace some of the items you have already packed. We will
7 give you all the details in tomorrow's Transfer Message as well as provide you with the
8 transfer time to perform the stowage reconfiguration.
9

10 For your transfer time today, please keep working on all the return items available to you.
11 There are also a couple items coming to you from Mike and Sandy. Yury should also be
12 getting the official word from Moscow to deliver the LADA to you for return.
13

14 Transfer Notes

- 16 • **Food and 0.5 CTB Transfer:** Thanks for your work on the food consolidation and
17 empty 0.5 CTB packing. Sandy told us that she provided 23 0.5 CTBs from ISS for you
18 to stow for return. This is all that has been assessed and approved for return at this
19 point. We understand that you can stow two per food tray and that you were able to
20 empty 6 trays. We expect this will allow 12 of the 0.5 CTBs to be packed in the lockers.
21 The additional 11 can be packed as follows: 4 into Bag F and 7 into Bag C. You can
22 pack them within these bags as you see fit. This plan is reflected in your updated
23 Transfer List pages.
- 24 • **Bag I big picture:** For the items in Bag I (Airlock Floor Bag), you can take these items
25 and place them in or near the bag to record them as complete in your Transfer List. All
26 items will be verified via the EVA procedure executed on hatch closure day by Joe,
27 Swanny & Ricky (this update will be uplinked for them tomorrow). Your Bag I layout
28 (uplinked today) will show you how to configure the items within the bag.
29
30

31 The Transfer List Excel file, FD09_Transfer_List_STS119.xls, locations are:

- 32 • Shuttle: **C:\OCA-up\transfer** (KFX machine)
- 33 • Station: **K:\OCA-up\transfer**

34 35 36 FD09 Transfer Choreography

- 37 • Bag I items: Return Items 407, 600, 904, 907, 908, 909
- 38 • Resupply Item 803: Transfer additional LiOH to ISS
- 39 • Resupply Item 804: Continue transfer of shuttle food to ISS
- 40 • Return Items 910, 911, 912: Complete stowage of empty 0.5 CTBs
- 41 • Return Item 731: Transfer the Silver Biocide Kit to the middeck
- 42 • Mike: Return Item 714 & 715: Transfer CSI-03 hardware to Middeck per CSI-03
43 Removal activity
- 44 • Sandy: Return Item 902: Transfer Post-Flight Analysis Packet per WRS-PWD SMPL-
45 CLCT
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MSG 095 (18-1345) - FD09 TRANSFER MESSAGE

Page 2 of 5

1 **Please incorporate uplink pages as follows (we've listed the updates in the order they**
2 **printed out for you):**

3
4 In the Transfer List **RESUPPLY** tab

5 Replace the following page:
6 Resupply 16

7
8 In the Transfer List **RETURN** tab

9 Pen & Ink on the following page:
10 Return 5 - Items 709 & 710: strike through entire items, as they have been deleted

11
12 Replace the following pages:
13 Return 9 & 12

14
15

16 **Changes to the Transfer List are detailed below:**

17
18 RESUPPLY
19 Item 803 - new item
20 Item 804 - new item

21
22 RETURN
23 Item 709 – item deleted
24 Item 710 – item deleted
25 Item 727 – updated flight day of activity and activity name
26 Item 730 – item deleted
27 Item 907 thru 912 – new items

28
29
30 FD10 Transfer Choreography
31 • Resupply Item 29: Transfer AFD PCS per AFD PCS Transfer activity
32 • Return Item 720: Transfer EVA wipes per Tool Config activity
33 • RFTA transfer (pending)

34
35 Have a great day and let us know if you have any questions!

36
37 - The 15A Transfer Team

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FD9 EVA Deltas

Glove Status

Swanny and Ricky,

The glove team has reviewed the Post EVA 2 glove photos and declared all gloves 'GO' for future EVA use.

EMU Battery Status

Based on the OCV checks and a successful charge last night, the Battery Team has declared EMU battery 2074 'GO' for shuttle contingency EVA use. The plan is to return batteries 2074 and 2075 in Swanny and Ricky's EMUs and leave 2037, 2068, 2069, and 2076 on station. We will be uplinking modified reconfig and transfer procedures tomorrow that will incorporate this plan.

Ratchet Wrench Inspection

Ricky and Joe, we just wanted to double check that no sharp edges were found on the ratchet wrench that was used during the UCCAS trouble-shooting. Please let us know if it is go for use on EVA3.

EVA 3 Revised Summary Timeline

Swanny,

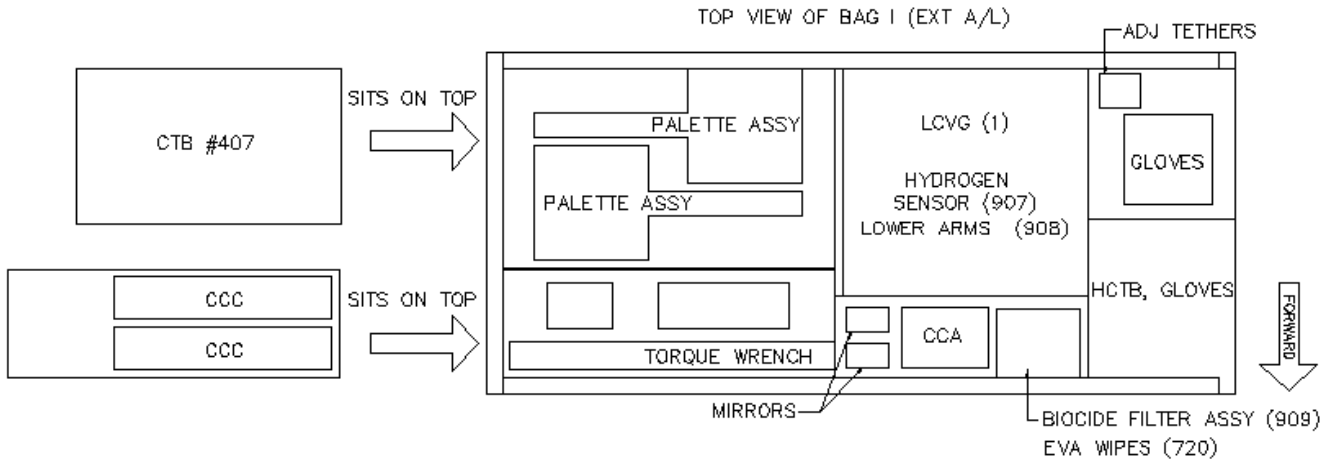
We have considered your proposal for the end of EVA 3 and we are GO with your plan. Z1 patch panel is now a get ahead. The list in the IV column of the attached summary timeline gives a suggested order for performing the get aheads. We will take any comments or suggestions at your convenience. Have a great EVA 3!

EVA 3 SUMMARY TIMELINE – FINAL REV. A

PET HR : MIN	IV/SSRMS	EV2 – Arnold	EV3 – Acaba	PET HR : MIN
00:00	EVA 3 – Acaba (SSRMS) for CETA Cart Ops	<u>EVA 3 POST DEPRESS, EGRESS & SETUP (00:50)</u> • Post Depress/Egress (00:25) • Setup (00:20)	<u>EVA 3 POST EGRESS & SETUP (00:50)</u> • Post Depress/Egress (00:25) • Setup (00:20)	00:00
01:00		<u>CETA CART RELOCATION (01:00)</u>	<u>CETA CART RELOCATION (01:00)</u>	01:00
02:00	<div style="border: 1px dashed black; padding: 5px;"> <p><u>Get Ahead List:</u> SSAS BBC Connector (7-122) CETA Coupler (MSG 81 / 18-1315) Z1 Patch Panel (MSG 078A / 18-1329A, page 31) S1 Fluid Jumpers (7-123) P1 Fluid Jumpers (7-73) S1 P-Clamps (7-124) P1 P-Clamps (7-74)</p> </div>	<u>P3 NADIR UCCAS (1:55)</u>	<u>P3 NADIR UCCAS (1:55)</u>	02:00
03:00		<u>S3 OUTBOARD/ZENITH PAS (01:30)</u>	<u>S3 OUTBOARD/ZENITH PAS (01:30)</u>	03:00
04:00	EVA 3 PET = 06:30 hr	<u>GET AHEAD LEE LUBE (00:30)</u> Bingo Time 4:45; will not start LEE Lube later than 4:45 PET	<u>GET AHEADS (00:30)</u>	04:00
05:00		<u>CLEANUP AND INGRESS (00:40)</u>	<u>CLEANUP AND INGRESS (00:40)</u>	05:00
06:00	EVA 3 PET = 06:30 hr	<u>PRE-REPRESS (00:05)</u>	<u>PRE-REPRESS (00:05)</u>	06:00
-06:30				-06:30

MSG 100 - EXTERNAL AIRLOCK BAG LAYOUT (BAG I)

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PLACE SHERE FLUID MODULE, ITEM 904, BETWEEN PALETTE ASSY AND CTB #407.
 ARRANGE ITEM 600, EOOK Magnus, NEXT TO CTB #407.
 PLACE HYDROGEN SENSOR AND LOWER ARMS UNDER LCVG.

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