

STS-119/15A

FD 07 Execute Package



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062	14- 21	FD07 Transfer Message (pdf)
067A	22	FD07 Water Message (pdf)
064	23	FD07 EVA Deltas (pdf)
063	---	FD06 MMT Summary (pdf - Electronic Only)
065	---	NCAA BASKETBALL CHAMPIONSHIP BRACKETS, FIRST ROUND, PART 2 (pdf - Electronic Only)
066	---	STS-119/15A Exercise Constraints FD07-11 (pdf - Electronic Only)
068A	---	Stowage Locations for FD07 (pdf - Electronic Only)

Approved by FAO: M. Blanton

Last Updated: Mar 21 2009 11:14AM GMT

JEDI (Joint Execute package Development and Integration), v2.04.0003

MSG 060B - FD07 FLIGHT PLAN REVISION

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MSG INDEX

<u>MSG NO.</u>	<u>TITLE</u>
MSG060	FD07 Flight Plan Revision
MSG061	FD07 Mission Summary
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MSG063	FD06 MMT Summary
MSG064	FD07 EVA Deltas (18-1318)
MSG065	NCAA Basketball Championship Bracket, First Round, Part 2 (18-1320)
MSG066	STS-119/15A Exercise Constraints FD07-11 (18-1321)
MSG067	FD07 Water Message
MSG068	Stowage Locations for FD07 (18-1205A)

1. CRYO CONFIG

For this morning's cryo config, O2 Tanks 1, 2 & 5 and H2 Tanks 1 & 5 will be active.

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

Following the Waste Dump Maneuver, we will reconfigure to O2 Tanks 3 and 4. These actions will be included in the detailed pages of the Flight Plan.

2. COMBO DUMP DETAILS

Today you will be performing a waste tank dump simo with a PWR dump, after which you will then be dumping CWC s/n 5076. Upon completion of the CWC dump, you will be reinitiating condensate collection. All required equipment was pregathered and temp stowed on FD6. Details located in MSG 067.

3. REPLACE PAGES 2-22, 2-24 and 3-68 THROUGH 3-75.

EXERCISE CONSTRAINTS-SEE DETAILS

GMT 03/21/09 (080) MET Day_005 23 23 22 22 21 21 20 20 19 19 18 18 17 17 16 16 15 15 14 14 13 13 12 12 006/00

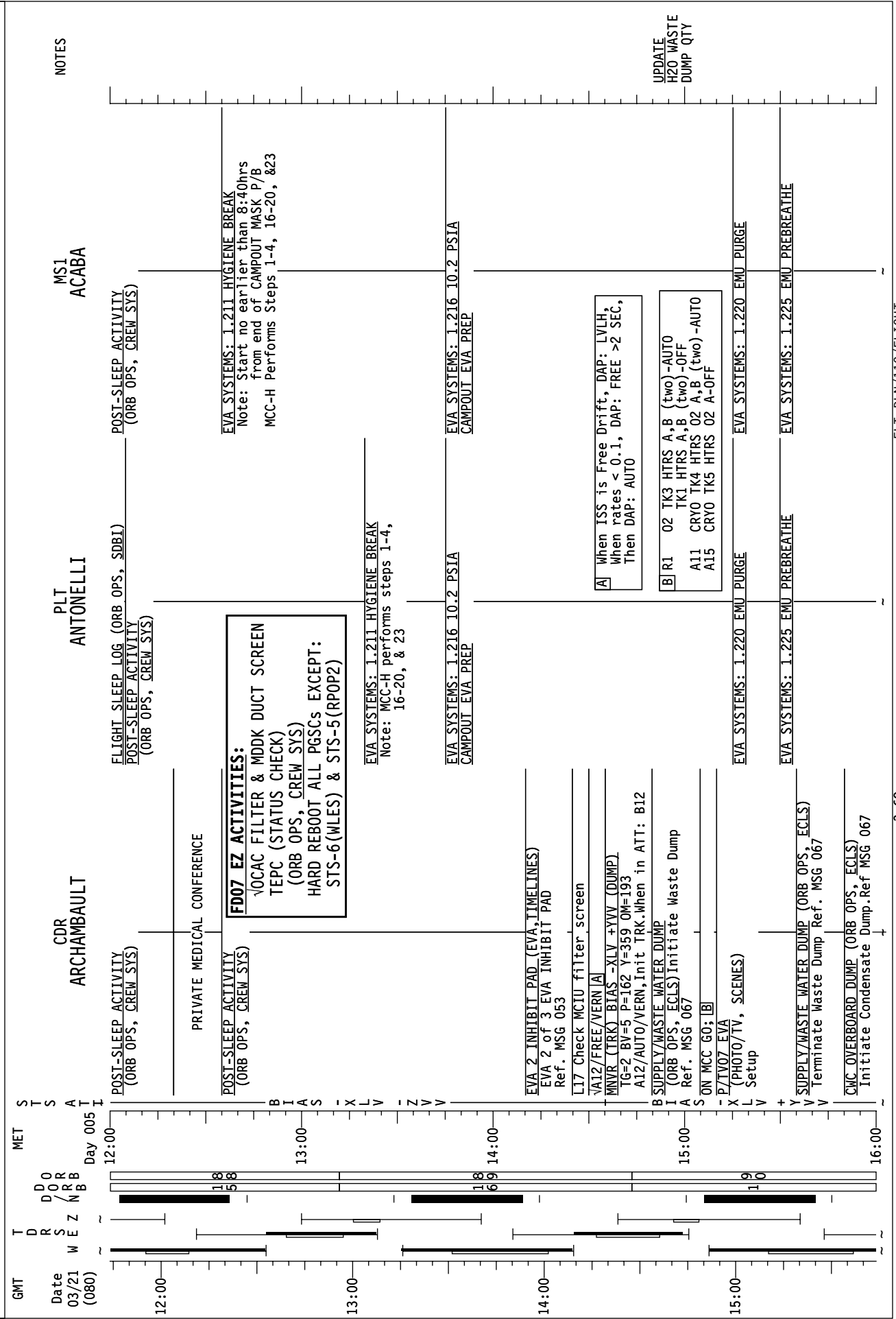
FD07	CDR ARCHAMBAULT	POST SLEEP	CAMPDOWN	W/T	CMC DUMP	P/TV 07 OPS	MEAL	P/TV07 EVA OPS	EXER CISE
PLT ANTONELLI	POST SLEEP	HYG BRK/HATCH CLS	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	P/TV 07 EVA OPS	MEAL	P/TV07 EVA OPS	EXER CISE
EVA3 MS1 ACABA	POST SLEEP	HYGN BREAK/PREBRTH	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	P/TV 07 EVA OPS	P3 NADIR UCCAS DPLY	S1/P1 RAD IMAGING	EXER CISE
EVA1 MS2 SWANSON	POST SLEEP	HYGN BREAK/PREBRTH	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	P/TV 07 EVA OPS	P3 NADIR UCCAS DPLY	S1/P1 RAD IMAGING	EXER CISE
EVA2 MS3 ARNOLD	POST SLEEP	POST SLEEP	EXERCISE	EXERCISE	EVA2 IVA SPT PREP	EXERCISE	EVA 2 IVA SUPPORT	EVA 2 IVA SUPPORT	EXER CISE
MS4 PHILLIPS	POST SLEEP	POST SLEEP	POST SLEEP	EXERCISE	EXERCISE	EXERCISE	EXERCISE	EXERCISE	EXER CISE
FE-2 MAGNUS	POST SLEEP	DPC	SSRMS EVA 2 VIEW	EXERCISE TVIS	SSRMS EVA 2 VIEW	EXERCISE TVIS	SSRMS EVA 2 VIEW	SSRMS EVA 2 VIEW	EXER CISE
ISS CDR FINCKE	POST SLEEP	CEVIS	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	SLEEP BATT2 DNL3	MEAL	SLEEP INIT4	EXER CISE
FE-1 LONCHAKOV	POST SLEEP	DPC	6TX-11-FE1-CLCT	DPART PREP	EXERCISE TVIS	EXERCISE TVIS	MEAL	COX MNT	EXER CISE
FE-2 EXP18 WAKATA	POST SLEEP	HYG BRK/HATCH CLS	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	ADAPTATION	MEAL	EDR PCDF	EXER CISE
DAY/NIGHT ORBIT	POST SLEEP	HYG BRK/HATCH CLS	CAMPDOWN	EMU PREBREATHE	C.LK DPRS	ADAPTATION	MEAL	EDR PCDF	EXER CISE
TDRS	ISS AVAIL	BIAS -XLV -ZVV	BIAS -XLV +YV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	EXER CISE
ORBIT	ISS ATT	BIAS -XLV -ZVV	BIAS -XLV +YV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	BIAS -XLV -ZVV	EXER CISE
NOTES		*CMG TO STS +STATUS CK 2-22 %FILTER CK #STS TO CMG							

REPLANNED

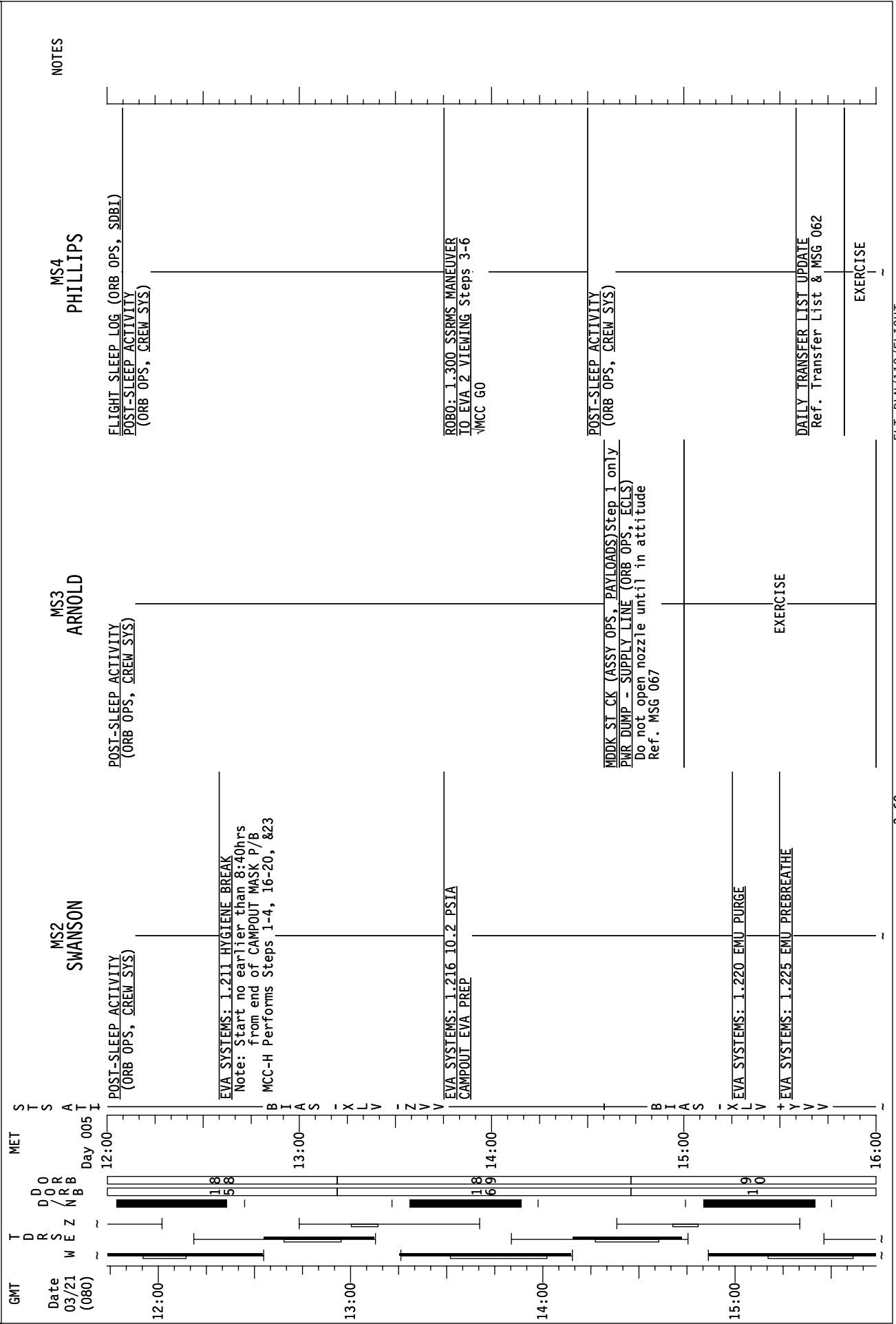
GMT 03/21/09 (080) 03/22 006/00 MET Day_006 01 01 02 02 03 03 04 04 05 05 06 06 07 07 08 08 09 09 10 10 11 11 12

Activity	01	01	02	02	03	03	04	04	05	05	06	06	07	07	08	08	09	09	10	10	11	11	12
FD07 CDR ARCHAMBAULT	EXERCISE 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
PLT ANTONELLI	POST EVA	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
EV3 MS1 ACABA	POST EVA	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
EV1 MS2 SWANSON	POST EVA	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
IV MS3 ARNOLD	MBSA PRE INIT 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
MS4 PHILLIPS	XTX BM FAIRDM EGE IDU RUIR EKS R P F*	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
FE-2 MAGNUS	PREP WORK	PRE SLEEP	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS
ISS CDR FINCKE	POST EVA	PRE SLEEP	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS
FE-1 LONCHAKOV	PREP WORK	PRE SLEEP	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS
FE-2 EXP18 WAKATA	POST EVA	PRE SLEEP	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS	PRE SLEEP-ISS
DAY/NIGHT ORBIT	W	Z	96	97	98	99	100	101	102	103													
TDRS																							
TDRS ISS AVAIL ORB ATT																							
NOTES	*STATUS CK #CHOICE D/L *D/L																						
	BIAS -XIV -ZV																						
	FLT PLN/119/FLIGHT																						

STS-119 FD (07)



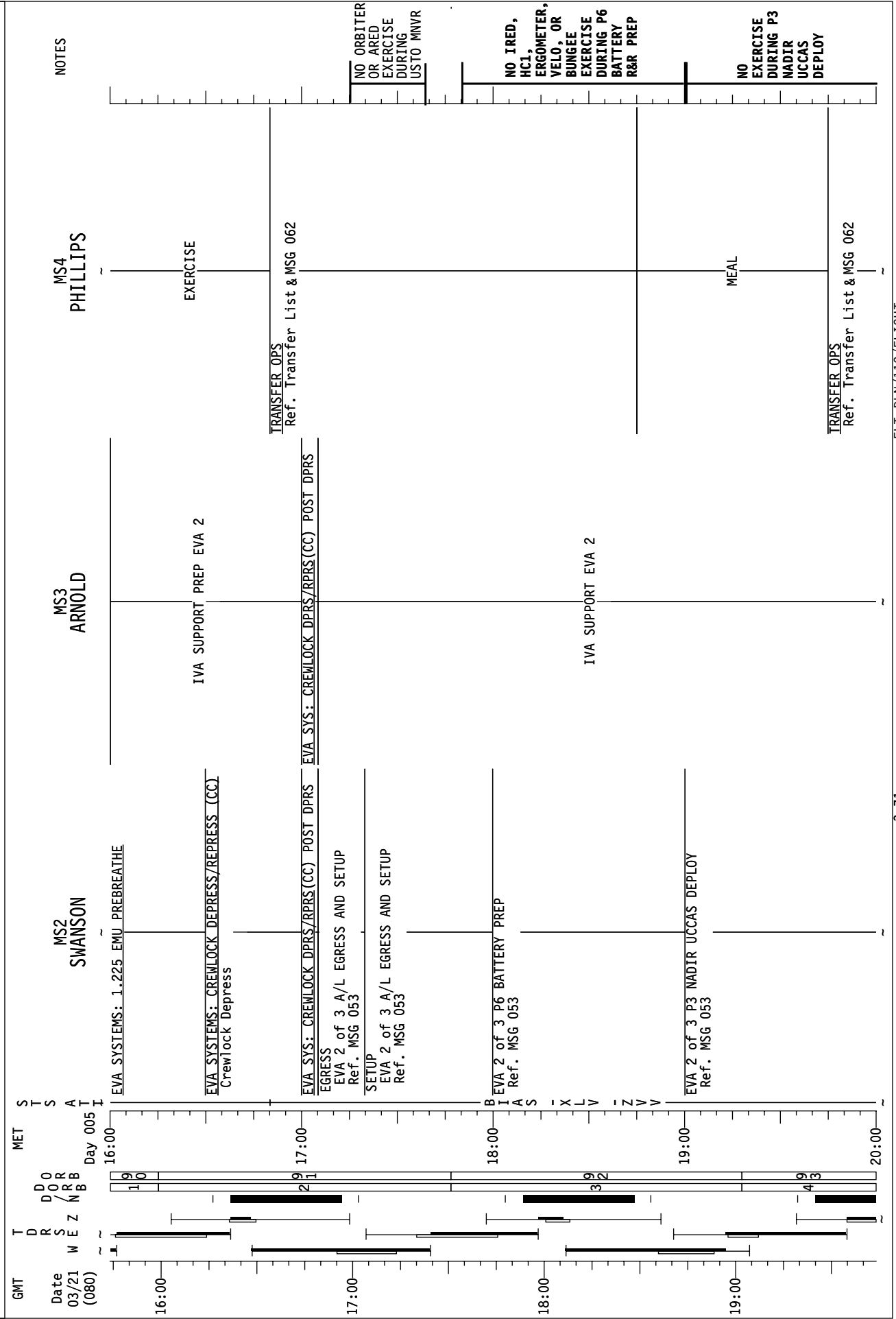
STS-119 FD (07)



STS-119 FD (07)

GMT	Date 03/21 (080)	DRS W E Z	MET Day 005 I	CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
16:00		19 10		CMC OVERBOARD DUMP (ORB OPS, ECLS) Initiate Condensate Dump. Ref MSG 067	EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	
16:30		21		MNVR (TRK) BIAS -XIV -ZVV TG=2 BV=5 P=163 Y=359 OM=187 A12/AUTO/VERN, Init TRK	EVA SYSTEMS: CREWLOCK DEPRESS/RPRESS (CC) Crewlock Depress	EVA SYSTEMS: CREWLOCK DEPRESS/RPRESS (CC) Crewlock Depress	
17:00				SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform SETUP Steps 2-8 Ref MSG 067	EVA SYS: CREWLOCK DPRS/RPRS (CC) POST DPRS SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Init Fill #5 Ref MSG 035	EVA SYS: CREWLOCK DPRS/RPRS (CC) POST DPRS EGRESS EVA 2 of 3 A/L EGRESS AND SETUP Ref. MSG 053	NO ORBITER OR ARED EXERCISE DURING USTO MNVR
17:30				When ISS GO for ATT CTRL, DAP: FREE IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	P/TVOZ EVA (PHOTO/TV, SCENES) Ops	EVA 2 of 3 A/L EGRESS AND SETUP Ref. MSG 053	
18:00		32		P/TVOZ EVA (PHOTO/TV, SCENES) Ops	SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION CMC TRANSFER Transfer 1 CMC to ISS	EVA 2 of 3 P6 BATTERY PREP Ref. MSG 053	NO IRED, HCL, ERGOMETER, VELO, OR BUNGEE EXERCISE DURING P6 BATTERY R&R PREP
19:00		43		MEAL	MEAL	EVA 2 of 3 P3 NADIR UCCAS DEPLOY Ref. MSG 053	NO EXERCISE DURING P3 NADIR UCCAS DEPLOY
20:00				P/TVOZ EVA (PHOTO/TV, SCENES) Ops			

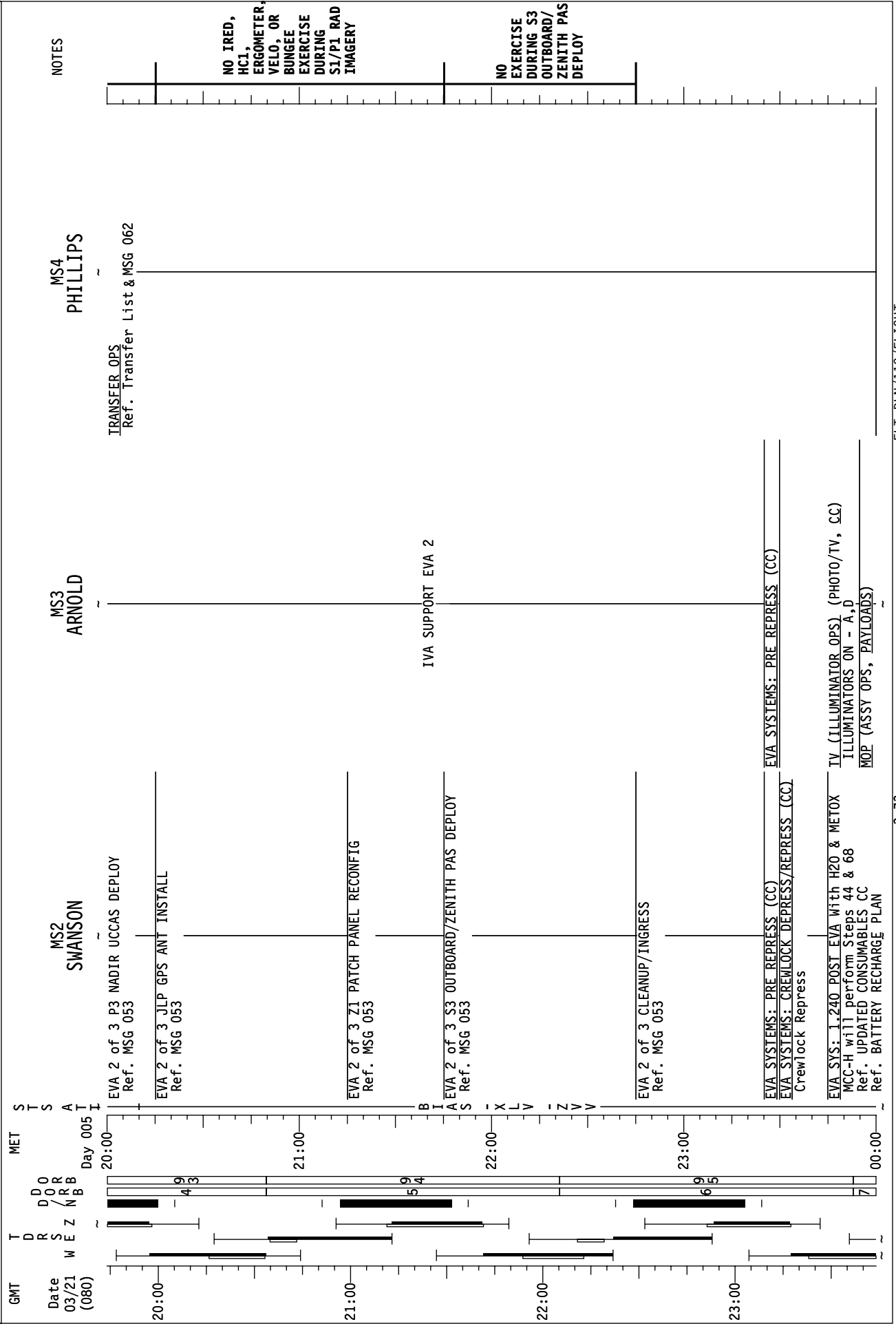
STS-119 FD (07)



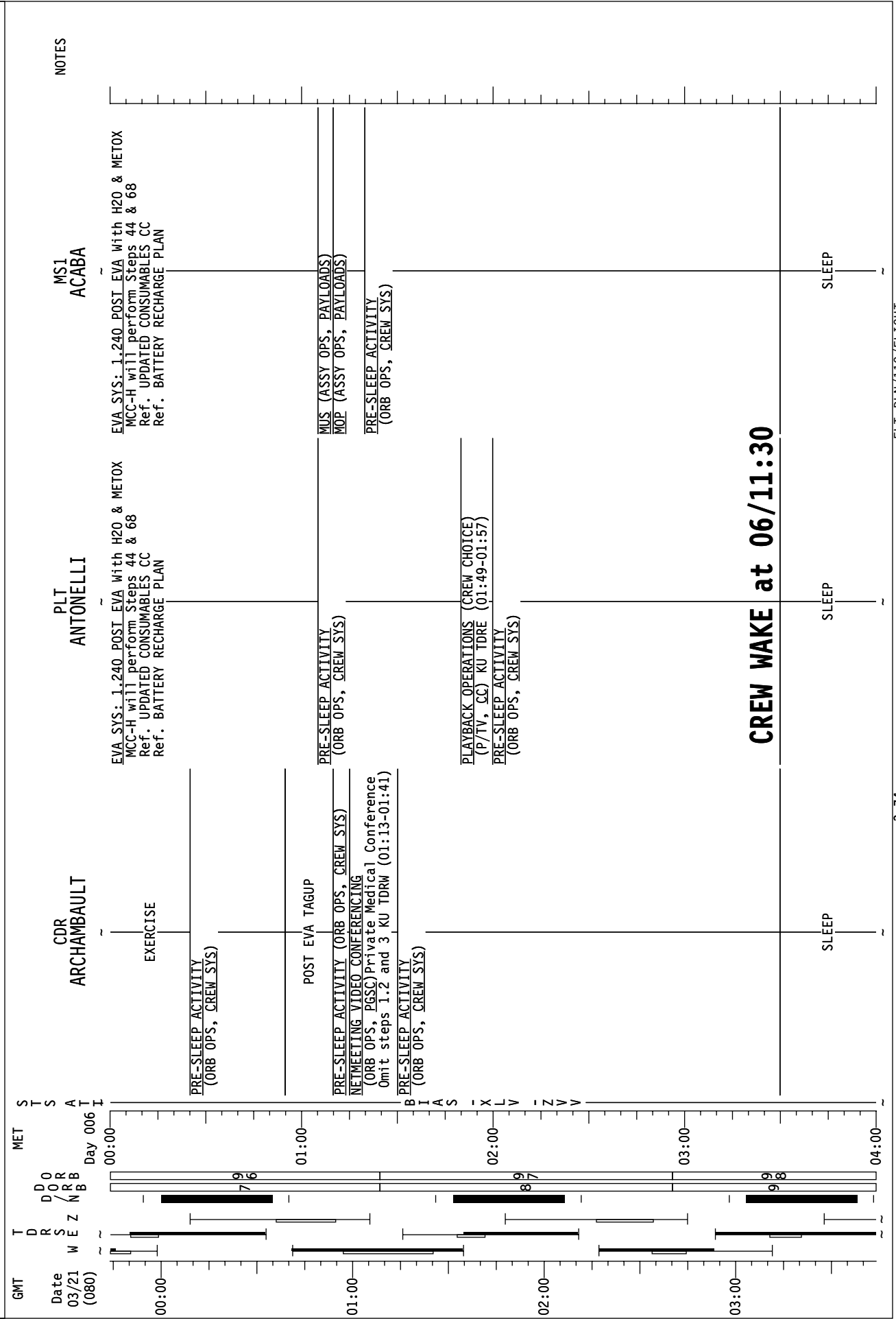
STS-119 FD (07)

GMT	Date 03/21 (080)	DRS W E Z	MET Day 005 I	CDR ARCHAMBAULT	PLT ANTONELLI	MS1 ACABA	NOTES
20:00				P/TV07 EVA (PHOTO/TV, SCENES) Ops		EVA 2 of 3 P3 NADIR UCCAS DEPLOY Ref. MSG 053	
20:00						EVA 2 OF 3 S1/P1 RADIATOR IMAGERY Ref. MSG 053	
21:00					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Init Fill #6 Ref. MSG 035		
22:00					SHUTTLE/ISS H2O CNTR FILL (ORB OPS, ECLS) Perform FILL TERMINATION CMC TRANSFER Transfer 1 CMC to ISS	EVA 2 of 3 S3 OUTBOARD/ZENITH PAS DEPLOY Ref. MSG 053	
22:00					MOP (ASSY OPS, PAYLOADS)		NO EXERCISE DURING S3 OUTBOARD/ZENITH PAS DEPLOY
23:00					EVA SYS: 1-240 POST EVA With H20 & METOX MCC-H will perform Steps 44 & 68 Ref. UPDATED CONSUMABLES CC Ref. BATTERY RECHARGE PLAN	EVA 2 of 3 CLEANUP/INGRESS Ref. MSG 053	
00:00				EXERCISE	EVA SYS: 1-240 POST EVA With H20 & METOX MCC-H will perform Steps 44 & 68 Ref. UPDATED CONSUMABLES CC Ref. BATTERY RECHARGE PLAN	EVA SYSTEMS: PRE REPRESS (CC) EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC) Crewlock Repress	

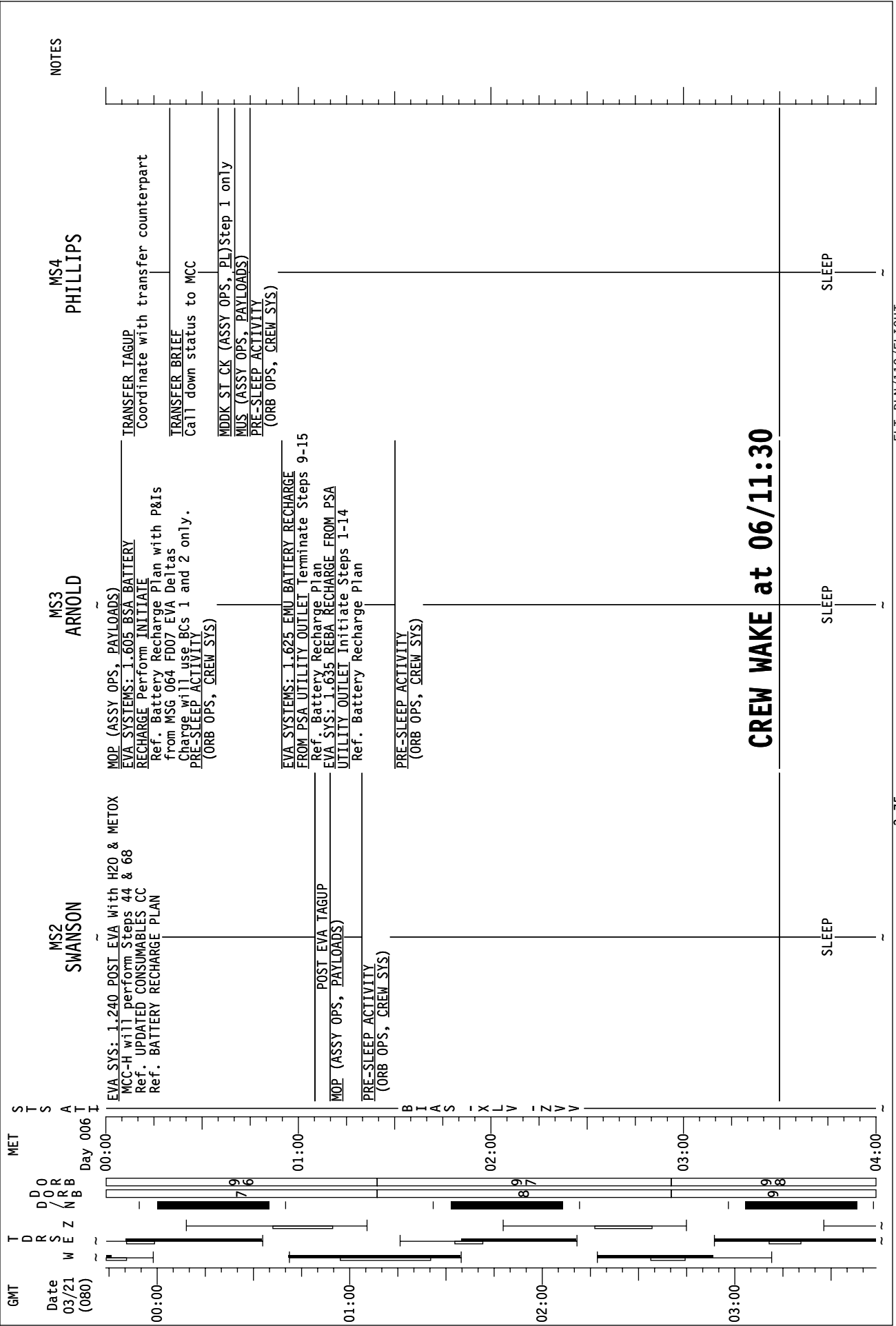
STS-119 FD (07)



STS-119 FD (07)



STS-119 FD (07)



MSG 061 - FD07 MISSION SUMMARY

1
2 Good Morning Discovery!

3
4 ISS now looks like the artist renderings that we've been seeing for years. A day to
5 celebrate!

6
7
8
9 YOUR CURRENT ORBIT IS: 197 X 185 NM

10
11 NOTAMS:

12
13 **NOTAMS – ONE ADDITION**

14
15 EDW - EDW IN USE. EDT ELS DAY / VFR ONLY.
16 EDW - LAKEBED RUNWAYS RED - WET.
17 NOR - LAKEBED RUNWAYS GREEN.
18 **ILM - DME DIW107 OTS**
19 FMH - TACAN PVD103 DME ONLY.
20 DOV - RWY 14/32 CLOSED.
21 MRN - TACAN AOG23 OTS.
22 WAK - TACAN AWK82 OTS.
23 HAW - TACAN ASI59 DME OTS.
24 AMB - RWY 15/33 CLOSED.
25 IKF - NOT USABLE. NO AGREEMENT.
26 BEN - NOT RECOMMENDED/NOT SUPPORTED.

27
28 NEXT 2 PLS OPPORTUNITIES:

29
30 EDW22 ORB 95 – 5/23:13 SCT080 BKN200 7 240/15P25
31 NOR23 ORB 110 – 6/22:06 SCT080 7 **220/20P30 CHC 3** BLDU

32
33 OMS TANK FAIL CAPABILITY:

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

37
38 LEAKING OMS PRPLT BURN:

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

42
43 OMS QUANTITIES(%)

44
45 L OMS OX = 36.1 R OMS OX = 35.8
46 FU = 35.6 FU = 35.8
47 Subtract interconnect counter for current OMS quantities.

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END OF PAGE 1 OF 2, MSG 061

MSG 061 - FD07 MISSION SUMMARY

DELTA V AVAILABLE:

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OMS	375 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>44 FPS</u>
TOTAL IN THE AFT	419 FPS
ARCS (TOTAL ABOVE QTY2)	77 FPS
FRCS (ABOVE QTY 1)	33 FPS
AFT QTY 1	82 %
AFT QTY 2	45 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
COMM/INST	ET Umbilical Well Digital Camera	Unable to retrieve digital pictures	No further on orbit troubleshooting. Pictures will be removed from the camera post flight.
EPS	SSPTS OPCU 2A failed to reactivate due to a false Fault Isolator trip.	None. Nominal power transfer has been restored.	Input power to SSPTS OPCU 2A was cycled to regain power transfer through this converter. No further action is required.

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END OF PAGE 2 OF 2, MSG 061

MSG 062 (18-1317) - FD07 TRANSFER MESSAGE

Page 1 of 8

1 John & Ricky,

2

3 You are definitely doing something right up there to be as efficient as you have been on
4 transfer. The bag relay we noticed yesterday probably has something to do with that! You'll
5 have to give some transfer lessons when you get back. The transfer big picture from here to
6 hatch closure is to continue with the rest of the available return items today, and have a
7 break from transfer tomorrow. Then there will be more time scheduled on FD09 and the
8 morning of FD11.

9

10 There's one item coming to you from Yury today, and the rest of the time can be used to
11 work on return. Your choreography below lists the items we expect are available for you to
12 complete.

13

14 We have also uplinked your Return Location Sort today so you can use it as desired for
15 validating your completed return locations.

16

17

18 The Transfer List Excel file, FD07_Transfer_List_STS119.xls, locations are:

19

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

20

21

22

23 FD07 Transfer Choreography

24

- Yury: Return Item 735: Transfer Russian Central Computer to shuttle per deinstall activity.
- John: Continue with return items – 407, 415, 416, 600, 734, 900, 904, 905, 906.

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29

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

31

32

32 In the Transfer List **RESUPPLY** tab

33

33 Pen & Ink on the following page:

34

34 Resupply 15 – Item 29: change “hatch closure day” to “FD10” in the notes

35

36

36 In the Transfer List **RETURN** tab

37

37 Pen & Ink on the following pages:

38

38 Return 3 - Items 601 & 602: cross out both items since deleted from return

39

39 Return 7 - Item 720: change “EVA TOOL CONFIG” to “GREASE GUN CLEANUP”

40

40 Return 10 - Item 734: strike through “Central” in item name

41

41 Return 10 - Item 735: strike through “Terminal” in item name

42

43

43 Replace the following page:

44

44 Return 11

45

46

46 In the Transfer List **RETURN LOCATION SORT** tab

47

47 Add the following pages:

48

48 Ret Loc 1 thru 5

49

50

51

Page 1 of 8, MSG 062 (18-1317)

MSG 062 (18-1317) - FD07 TRANSFER MESSAGE

Page 2 of 2

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

2

3 RESUPPLY

4 Item 29 – updated flight day of activity

5

6 RETURN

7 Item 601 – item deleted

8 Item 602 – item deleted

9 Item 720 – updated flight day of activity

10 Item 734 – corrected hardware name

11 Item 735 – corrected hardware name & activity details

12 Item 903 – updated flight day of activity

13 Item 906 – new item

14

15

16 FD08 Transfer Choreography

- 17 • Return Items 709 & 710: Transfer APFR heat shield hardware post Heat Shield
18 activity

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

21

22 - The 15A Transfer Team

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CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	ACTIVITY / Constraints / **Comments	
				Return Realtime Additions								
				900	LADA-MIS [s/n 05]	1	SM_218	NOD2D2 (in Bag B)	MD CEIL PORT 2 (in Bag B)	39.68	**Mark complete when in Bag B.	
				901	Saliva Collection Kit [s/n 1008]	1	JPM1F6_F2		MA9L	1.50	Transfer on hatch closure day per SALIVA STOW activity.	
				902	Post-Flight Analysis Packet [FD09 sample]	1		in use	MF14E	0.11	Transfer on FD09 per WRS-PWD SMPL-CLCT activity.	
X				903	Post-Flight Analysis Packet [FD19 sample]	1		in use	MF14E	0.11	Transfer on <u>hatch closure day</u> FD40 per WRS-PWD SMPL-CLCT activity.	
				904	SHERE Fluid Module Stowage Tray [s/n 002]	1	LAB102_B1		STS A/L (in Bag I)	15.84		
				905	Jettison Stowage Bags [crew quarters foam]	2	NOD1P2 Behind ARED		STS A/L	14.52	Remove 1 ziplock of bolts from each bag and stow in Jettison Stowage Bag labeled 33P Trash in same location (bolts are not approved for return on 15A). Check with ISS crew to identify correct bags.	
X				906	GSC [s/n 1105, 1109, 1110]	3	LAB1S4_C1		MF57K	1.10	Wrap in towels or clothing to protect GSCs from contacting each other.	

15A TRANSFER LIST - RETURN LOCATION SORT

723	Integrated Immune Blood Sleeves	1 ziplock	MA9L
901	Saliva Collection Kit [s/n 1008]	1	MA9L
411	15A Return Bag 411	1.0 CTB	MA16D
722	Glacier [descent]	1	MA16F/G
700	Bag A	5 MLE bag	MD CEIL PORT 1
706	(0-30 IN-LBS) DIAL TRQ WRENCH 1/4" DRIVE [old]	1	MD CEIL PORT 1 (in Bag A in CDRA filter foam box)
413	15A Return Bag 413	1.0 CTB	MD CEIL PORT 1 (in Bag A)
414	15A Return Bag 414	1.0 CTB	MD CEIL PORT 1 (in Bag A)
603	15A Return Item 603 [Geoflow]	2.0 CTB	MD CEIL PORT 1 (in Bag A)
712	CDRA Sock Filters	1 foam box	MD CEIL PORT 1 (in Bag A)
701	Bag B	5 MLE bag	MD CEIL PORT 2
604	15A Return Item 604 [CGSE valve unit]	1	MD CEIL PORT 2 (in Bag B)
733	Russian Rubber Lined Bag [Matreshka]	1	MD CEIL PORT 2 (in Bag B)
900	LADA-MIS [s/n 05]	1	MD CEIL PORT 2 (in Bag B)

15A TRANSFER LIST - RETURN LOCATION SORT

731	Silver Biocide Syringe Kit [s/n 1003]	1	MD CEIL STBD 2 (in Bag H)
721	Foam [Dome Gene CTB]	2 pieces	MD CEIL STBD 2 (in Bag H)
703	Bag E	5 MLE bag	MD FLOOR PORT 1
732	WRS Distillation Assembly [s/n 0001] [old]	1	MD FLOOR PORT 1 (in Bag E)
704	Bag F	5 MLE bag	MD FLOOR PORT 2
734	Russian Central/Terminal Computer (TBM) [p/n: Z1243132, s/n: R102, b/c: 001366R]	1	MD FLOOR PORT 2 (in Bag F)
400	15A Return Bag 400 [Sample Packets]	1.0 CTB	MD FLOOR PORT 2 (in Bag F)
410	15A Return Bag 410	1.0 CTB	MD FLOOR PORT 2 (in Bag F)
735	Russian Central/Terminal Computer (LBM) [p/n: Z1243132, s/n: R105, b/c: 001395R]	1	MD FLOOR PORT 2 (in Bag F)

15A TRANSFER LIST - RETURN LOCATION SORT

412	15A Return Bag 412 [Bag D return]	5 MLE bag	MD FLOOR STBD 1
702	Bag C	5 MLE bag	MD FLOOR STBD 2
415	Crew Preference [Magnus]	0.5 CTB	MD FLOOR STBD 2 (in Bag C)
416	Crew Preference [Magnus]	0.5 CTB	MD FLOOR STBD 2 (in Bag C)
707	(5-35 in-lbs) Trq Driver, 1/4" Drive [old]	1 ziplock	MD FLOOR STBD 2 (in Bag C)
708	(40-200 in-lbs) Trq Driver, 3/8" Drive [Torque Wrench Assy, 3/8" Drive] [old]	1 ziplock	MD FLOOR STBD 2 (in Bag C)
730	S0 RPCM [s/n C024088]	1	MD FLOOR STBD 2 (in Bag C)

15A TRANSFER LIST - RETURN LOCATION SORT

713	Chemical Sample Post-Flight Analysis Packet [WRS & PWD samples]	2	MF14E
727	Microbial Capture Device [FD09 sample]	1 incubation bag	MF14E
902	Post-Flight Analysis Packet [FD09 sample]	1	MF14E
903	Post-Flight Analysis Packet [FD110 sample]	1	MF14E
726	Microbial Capture Device [FD06 sample]	1 ziplock	MF14G
729	Post-Flight Analysis Packet [FD04 sample]	1	MF14G
716	Double Cold Bag [s/n 1008]	1	MF28E
728	Multimeter [Doc] [old]	1	MF28G
711	CD Stowage Case Assembly [ULF2]	1	MF28K
401	15A Return Bag 401 [ISS P/TV Assembly Kit]	0.5 CTB	MF57K
906	GSC [s/n 1105, 1109, 1110]	3	MF57K
717	Double Cold Bag [s/n 1010]	1	MF71E
408	15A Return Bag 408	0.5 CTB	MF71H
409	15A Return Bag 409	0.5 CTB	MF71H
714	CSI-03 Spider Habitat	1 ziplock	MF71K
715	CSI-03 Butterfly Habitat CSI-03 Compact Flash Cards	1 ziplock	MF71K

15A TRANSFER LIST - RETURN LOCATION SORT

705	Airlock Floor Bag [Bag I]	5 MLE bag	STS A/L
718	EMU 3004 [An]	1	STS A/L
719	EMU 3017 [Sw]	1	STS A/L
905	Jettison Stowage Bags [crew quarters foam]	2	STS A/L
407	15A Return Bag 407 [EMU Hardware]	1.0 CTB	STS A/L (in Bag I)
600	15A Return Item 600 [ECOK Magnus]	1 mesh bag	STS A/L (in Bag I)
602	Item deleted 15A Return Item 602 [CIPA DISCARD CONTAINER ASSY]	1	STS A/L (in Bag I)
709	APFR Heat Shield [APFR Load Limiter Cover]	1	STS A/L (in Bag I)
710	APFR Heat Shield Screws	1 ziplock	STS A/L (in Bag I)
720	EVA wipes	1 ziplock	STS A/L (in Bag I)
904	SHERE Fluid Module Stowage Tray [s/n 002]	1	STS A/L (in Bag I)
601	Item deleted 15A Return Item 601 [ANGLED STAMP ASSY]	1	STS A/L (in Bag I)
725	LiOH [STS-123 can #22]	1	STS LiOH Box

For the EVA

Please call down the serial number of the adjustable equipment tether that is in EV1's small trash bag. (The tether that will be stowed in the Z1 toolbox.)

Ricky, we have been talking about the get-aheads for today's EVA and have decided on the following priority. We will decide which one(s) to do depending on how much time is available:

- 1) S3 PAS Deploys (Outboard Nadir first)
- 2) Z1 APFR Retrieval and Tool Stanchion Relocate
- 3) SSPTS Connector Sleeves – Node 1
- 4) SSPTS Connector Sleeves – Lab
- 5) SSPTS Connector Sleeves – PMA2 (Reminder this surface will be hot)
- 6) Bungee Tool Caddy Retrieval for Russian EVA 22 Tool Config
 - Due to a failure of a Bungee Tool Caddy which is stored IVA, we have been asked by the Increment team to bring in an additional caddy from the A/L Stbd Toolbox. This caddy is located on the nadir door of the A/L Stbd Toolbox.

Post EVA

After reviewing the issues with PGT battery s/n 1008, as a part of troubleshooting, we will try a second charge in a different slot. Also, please check that the PGT batteries are fully seated.

Please make the following 2 Pen and Inks, in addition to those you made yesterday:

STS-119 Battery Recharge Plan

1. In the Post EVA 2 (FD7), PGT Batteries block. In the white block, (BC2 CH3: one slot above where it used to be), write in "1008"
2. In the Post EVA 2 (FD7) Title line, write in "BC1 & BC2 ONLY"

MSG 067A - FD07 WATER MESSAGE

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Combo Dump Details

Today you will be performing a waste tank dump simo with a PWR dump, after which you will then be dumping CWC s/n 5076. Upon completion of the CWC dump, you will be reinitiating condensate collection. All required equipment was pregathered and temp stowed on FD6.

Prior to opening either the supply or waste dump valve, verify with MCC-H that the solar arrays are in the proper config, and the stack is in the proper attitude.

Waste Water Dump

Perform a Waste dump using SUPPLY/WASTE WATER DUMP (ORB OPS, ECLS) p. 5-2. Perform steps E, G and I. MCC-H will TMBU FDA in steps B and K. After completing step I-2, you may proceed to CWC OVERBOARD DUMP (ORB OPS, ECLS) p. 5-36.

Waste dump valve open time will be ~30 minutes. Dump the waste tank to 5%.

PWR Dump

Simo with the Waste Water Dump, perform PWR DUMP-SUPPLY LINE (ORB OPS, ECLS) pg. 5-44. Dump PWR s/n 1026. MCC-H will TMBU FDA in steps 2 and 7. DO NOT dump PWR and CWC at the same time.

PWR dump is expected to take less than 5 mins. Upon completion of dump, temp stow the PWR near the Galley for FD8 fill.

In step 6, this will be the only PWR dump of the flight. After stowing the B-B hose and R-Y QD adaptor in ziplock bags, label them "USED" with gray tape. Stow the bags in the CHCK.

CWC Dump

After performing the Waste dump, perform CWC OVERBOARD DUMP (ORB OPS, ECLS) p. 5-36. Perform steps A, D, E, F, and G. MCC-H will TMBU FDA in steps B and H. Dump CWC s/n 5076.

Waste dump valve open time for CWC s/n 5076 will be ~40 minutes. Term may be early if the CWC contains less condensate than expected.

Stow the WWD in a separate ziplock bag in the BOB.
Stow the Y-Y hose in a separate ziplock bag in the CHCK

Condensate Collection

After completing the dump of CWC s/n 5076, perform SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) p. 5-40. Perform SETUP steps 2 thru 8 to reconnect CWC s/n 5076 to the Y-Y Condensate Hose and reinitiate Condensate Collection.

END OF PAGE 1 OF 1, MSG 067A