

STS-127/2JA

FD 05 Execute Package



MSG	Page(s)	Title
032B	1 - 15	FD5 Flight Plan Revision (pdf)
033	16 - 17	FD5 Mission Summary (pdf)
034	18 - 19	FD5 Transfer Message (pdf)
035	20	ISS Printer Replacement Overview (doc)
038	21 - 23	FD5 EVA Checklist Deltas (pdf)

Approved by FAO: F. Reynolds

A handwritten signature in black ink, appearing to read 'F. Reynolds', with a checkmark to the right.

Last Updated: Jul 19 2009 10:18AM GMT

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

1 MSG INDEX

2

3 <u>MSG NO.</u>	<u>TITLE</u>
4 032B	FD5 Flight Plan Revision
5 033	FD5 Mission Summary
6 034	FD5 Transfer Message
7 035	ISS Printer Replacement Overview
8 036	PAO Event Summary Message: Canadian Space Agency VIP Event
9 037	PAO Crew Downlink Message
10 038	FD5 EVA Checklist Deltas

11

12

13

14 1. POST-SLEEP CRYO CONFIG

15

16 For today's cryo config, O2 tanks 1 and 2 and H2 tank 5 will be active.

17

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

20

21 **A11 CRYO TK4 HTRS H2 A,B (two) - OFF**

22

23 **A15 CRYO TK5 HTRS H2 A,B (two) - AUTO**
24 **O2 A,B (two) - OFF**

25

26 2. LAB PRINTER QUALITY CHECK

27

28 Mark: On FD6, during the EVA, the LAB printer is scheduled to be replaced with the new
29 spare printer delivered on 2J/A. We recommend you verify the print quality of the LAB
30 printer prior to this swap. This would insure that the malfunctioning ISS printer is
31 acceptable for use on the shuttle before it is swapped with the Shuttle printer later in the
32 mission. For your reference, MSG 035 (ISS 20-0496) ISS Printer Replacement Overview
33 gives a good summary of the upcoming printer swap events. Please let us know if you
34 have any issues with print quality.

35

36 3. WHC USAGE TIME CONSTRAINTS

37

38 With the high usage on WHC we would like to remind you about time constraints for
39 WHC usage. These can be found on 2.301 WHC Cue Card under the block "WHC Time
40 Constraints".

- 41
- 42 - Recommend 6 min interval between use.
 - 43 - Three uses in a row (<6-min interval) requires a 30-min cooldown.
 - 44 - Maximum continuous use is 30-min followed by a 20-min cooldown.
- 45

46 4. REPLACE PAGES 2-14 THROUGH 2-17 AND 3-44 THROUGH 3-53.

47

48

49

50

51

NO EXERCISE
[DUAL ARM OPS]

REPLANNED

FD05 GMT 07/19/09 (200) MET Day_003 12 13 14 15 16 17 18 19 20 21 22 23 004/00

CDR POLANSKY	SLEEP	POST SLEEP	PS CD R/OL SE/TE EL/WP	RMS MVR ICC UNBRTH	RMS MVR ICC H/O	RMS MVR ICC H/O	U G R P L	R M S #	EXERCISE	MEAL	XFER OPS	XFER OPS	
PLT HURLEY	SLEEP	POST SLEEP	RMS ICC GRPL	RMS ICC UNBRTH	RMS MVR ICC H/O	RMS MVR ICC H/O	U G R P L	R M S #	EXERCISE	MEAL	XCW-I FILL (4,5,6)	XCW-I XFER (3)	
MS1 CASSIDY	SLEEP	POST SLEEP	SIL LLO VG A	I L U M #	EVA 2 TOOL CONFG	R M E B S T A X A - T - T	GRS GUN CLN	FLTR INSP	XFER OPS	MEAL	XFER OPS	EXER	
MS2 PAYETTE	SLEEP	POST SLEEP	EXERCISE	EXERCISE	SSRMS ICC GRPL	SSRMS ICC INSTL POA	SSRMS ICC RLS	P O L P Y S B K	XFER OPS	MEAL	XFER OPS	XFER OPS	XT FA EG R
MS3 MARSHBURN	SLEEP	POST SLEEP	SIL LLO VG A	X U P F R D A T	EVA 2 TOOL CONFG	EMU RCNFG EVA 2	EMU RCNFG EVA 2	B M T R C A E N E T T S B O T T X T L A	E-LK PREP	MEAL	XFER OPS	EXERCISE	B T R F A I E R F
MS4 WOLF	SLEEP	POST SLEEP	SIL LLO VG A	POST SLEEP	EVA 2 TOOL CONFG	EMU RCNFG EVA 2	EMU RCNFG EVA 2	B M T R C A E N E T T S B O T T X T L A	E-LK PREP	MEAL	XFER OPS	EXERCISE	
DAY/NIGHT ORBIT													
TDRS W E Z													
ORB ATT SSRMS POS													
NOTES													

*OFF

BIAS -XIV -ZVW
MBS PDGF3 @ WS7

#MNVY EVA2 VIEW

REPLANNED

NO EXERCISE
[DUAL ARM OPS]

GMT	ISS	TDRS	Day	003	12	13	14	15	16	17	18	19	20	21	22	23	004/00	
07/19/09 (200)	ISS	Day 003	AVAIL															
D N	FE-2 WAKATA	SLEEP	POST SLEEP	DPC	IREP	HANDOVER	C U MIDDAY-MEAL	ARED-DASHPOT-R&R	PMC	EXERCISE TVIS	FA B J RMS	J RMS	J RMS	J RMS	J RMS	J RMS	J RMS	
											EXERCISE TVIS	FA B J RMS	J RMS	J RMS	J RMS	J RMS	J RMS	
E X P	ISS CDR PADALKA	SLEEP	POST SLEEP	DPC	PW	KIT-2-CDR-EXE	MIDDAY-MEAL	CI-EVA-AUDIT										EXERCISE TVIS
1 9	FE-1 BARRATT	SLEEP	POST SLEEP	DPC	EXERCISE TVIS	EVA 2 TOOL CONFG	DR C DE/E-LK PREP	DR C DE/E-LK PREP	EVA TOOL STOW	PMC	EXERCISE CEVIS	D2XS CAMR	PFC					
U P	FE-2 EXP20 KOPRA	SLEEP	POST SLEEP	DPC	PW	HANDOVER	SSRMS ICC GRPL	SSRMS ICC INSTL POA	SSRMS ICC MIDDAY-MEAL	ADAPT								J RMS MNVR CAL
E X P	FE-3 ROMANENKO	SLEEP	POST SLEEP	DPC	PW	C1 CB PΦ B1 B2 MNTN	COX MNT	MIDDAY-MEAL	CI-EVA-AUDIT									VELO
E X P	FE-4 THIRSK	SLEEP	POST SLEEP	DPC	PW	EXERCISE TVIS	SSRMS ICC GRPL	SSRMS ICC INSTL POA	SSRMS ICC MIDDAY-MEAL	ADAPT								J RMS MNVR CAL
E X P	FE-5 DE WINNE	SLEEP	POST SLEEP	DPC	PW	EXERCISE TVIS	SSRMS ICC GRPL	SSRMS ICC INSTL POA	SSRMS ICC MIDDAY-MEAL	ADAPT								J RMS MNVR CAL
DAY/NIGHT	ORBIT	SSRMS POS	57	58	59	60	61	62	63	64								
*BLOOD S/U																		
*TVIS HYG																		
*EXER TVIS																		

REPLANNED

FD05 GMT 07/19/09 (200) 004/00 MET Day_004

MET	Day_004	004/00	23 01	07/20 02	01 03	02 04	03 05	04 06	05 07	06 08	07 09	08 10	09 11	10 12
CDR POLANSKY	EVA 2 PROC RVW	IM MU US	PRE SLEEP	PRE SLEEP	PMC OCA	PRE SLEEP				SLEEP				
PLT HURLEY	EVA 2 PROC RVW	M U S	PRE SLEEP	PRE SLEEP						SLEEP				
MS1 CASSIDY	EVA 2 PROC RVW	I L L M *	PRE SLEEP	PRE SLEEP						SLEEP				
MS2 PAYETTE	EVA 2 PROC RVW	M U S	PRE SLEEP	PRE SLEEP						SLEEP				
MS3 MARSHBURN	EVA 2 PROC RVW	M U S	PRE SLEEP	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP				SLEEP				
MS4 WOLF	EVA 2 PROC RVW	M U S	PRE SLEEP	PRE SLEEP	MASK PB/TOOL CONFIG	PRE SLEEP				SLEEP				
DAY/NIGHT ORBIT														
TDRS W E Z														
ORB ATT SSRMS_POS														
NOTES														

ISS EXTERNAL SURVEY

ISS A/L CAMPOUT @ 10.2 psi

BIAS -XIV -ZVW
MBS PDGF3 @ WS7

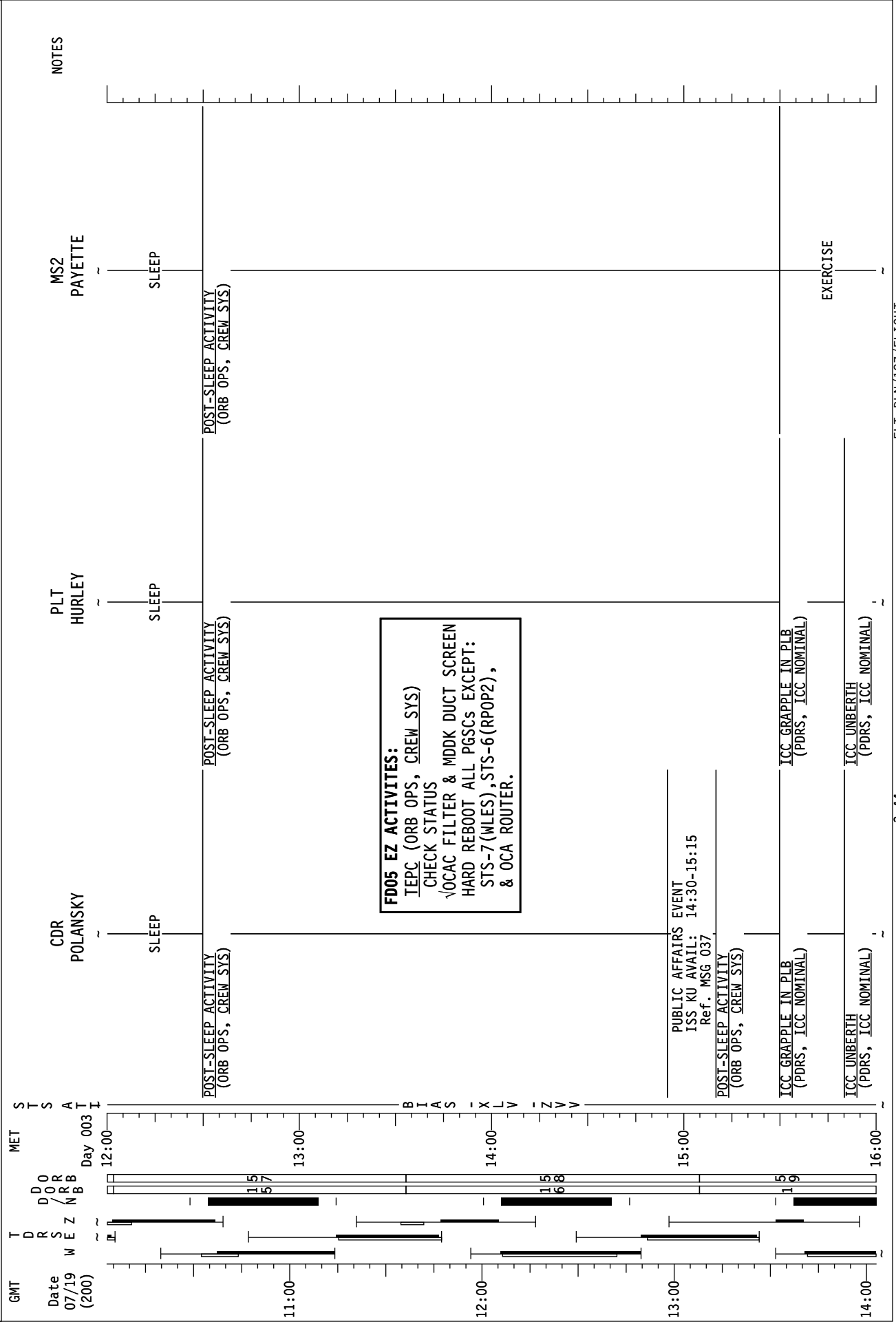
*CWC-I XFER (3) *0N

REPLANNED

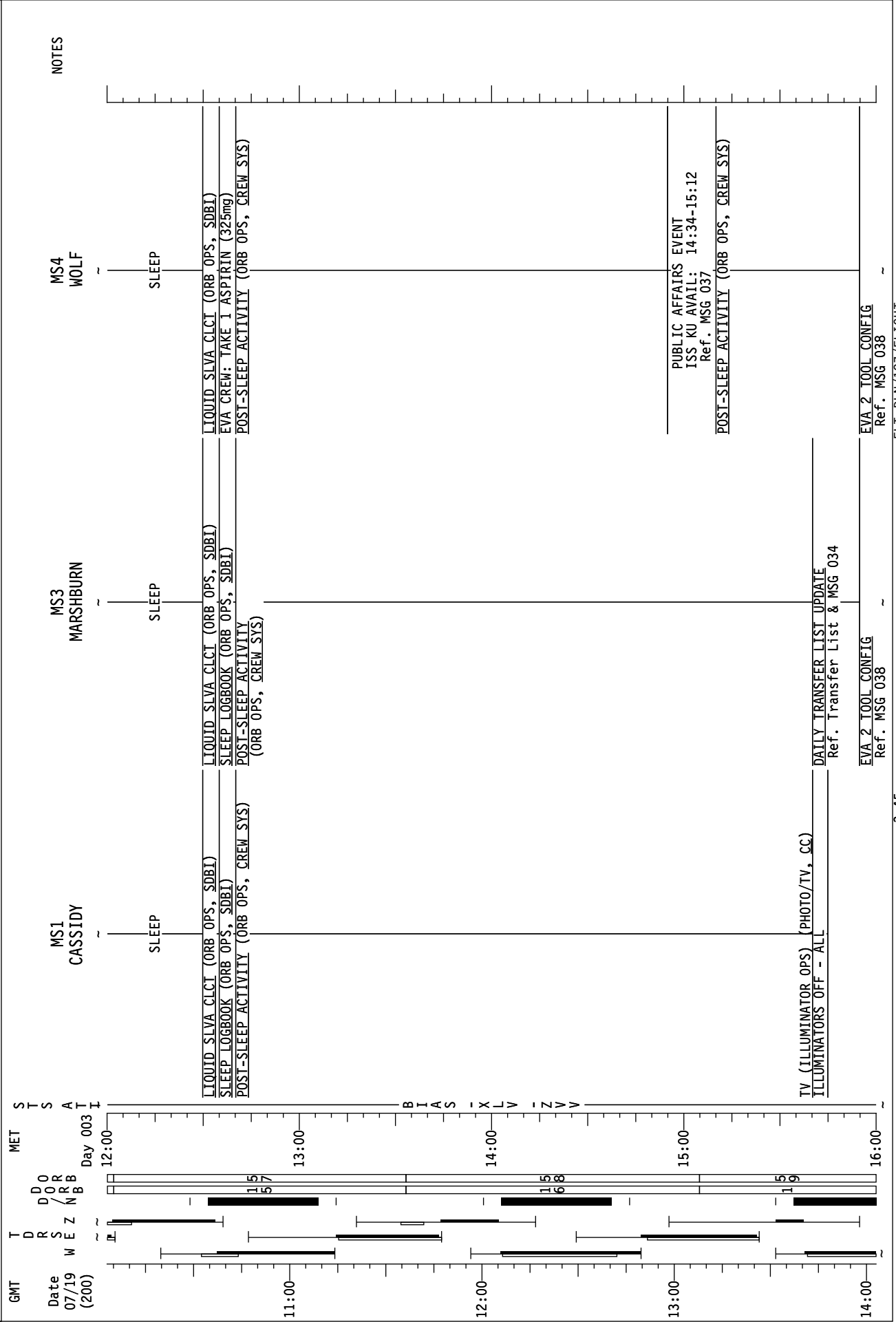
FD05 GMT 07/19/09 (200) 004/00 23 01 02 03 04 05 06 07 08 09 10 11 12

ISS	TDRS	AVAIL	004/00	23	01	02	03	04	05	06	07	08	09	10	11	12
D N	FE-2 WAKATA	JRMS CALVE M J B P N L U R R S P	PMDPC		PRE SLEEP					SLEEP						
E X P	ISS CDR PADALKA	TVIS HYG	EVA 2 PROC RVW	PW DPC	PRE SLEEP					SLEEP						
1 9	FE-1 BARRATT		EVA 2 PROC RVW	PW DPC	PRE SLEEP					SLEEP						
U P	FE-2 EXP20 KOPRA	JRMS CALVE M J N L R	* PW DPC	PRE SLEEP	PRE SLEEP					SLEEP						
	FE-3 ROMANENKO	EXER TVIS	TVIS HYG	PW DPC	PRE SLEEP					SLEEP						
E X P	FE-4 THIRSK	CE SV AE PN AT AO	EVA 2 PROC RVW	PW DPC F HY DPC P M D L	PRE SLEEP					SLEEP						
	FE-5 DE WINNE		EVA 2 PROC RVW	PW DPC	PRE SLEEP					SLEEP						
DAY/NIGHT				64	65	66	67	68	69	70	71	72				
ORBIT																
SSRMS POS																
NOTES				*EVA 2 PROC RVW												

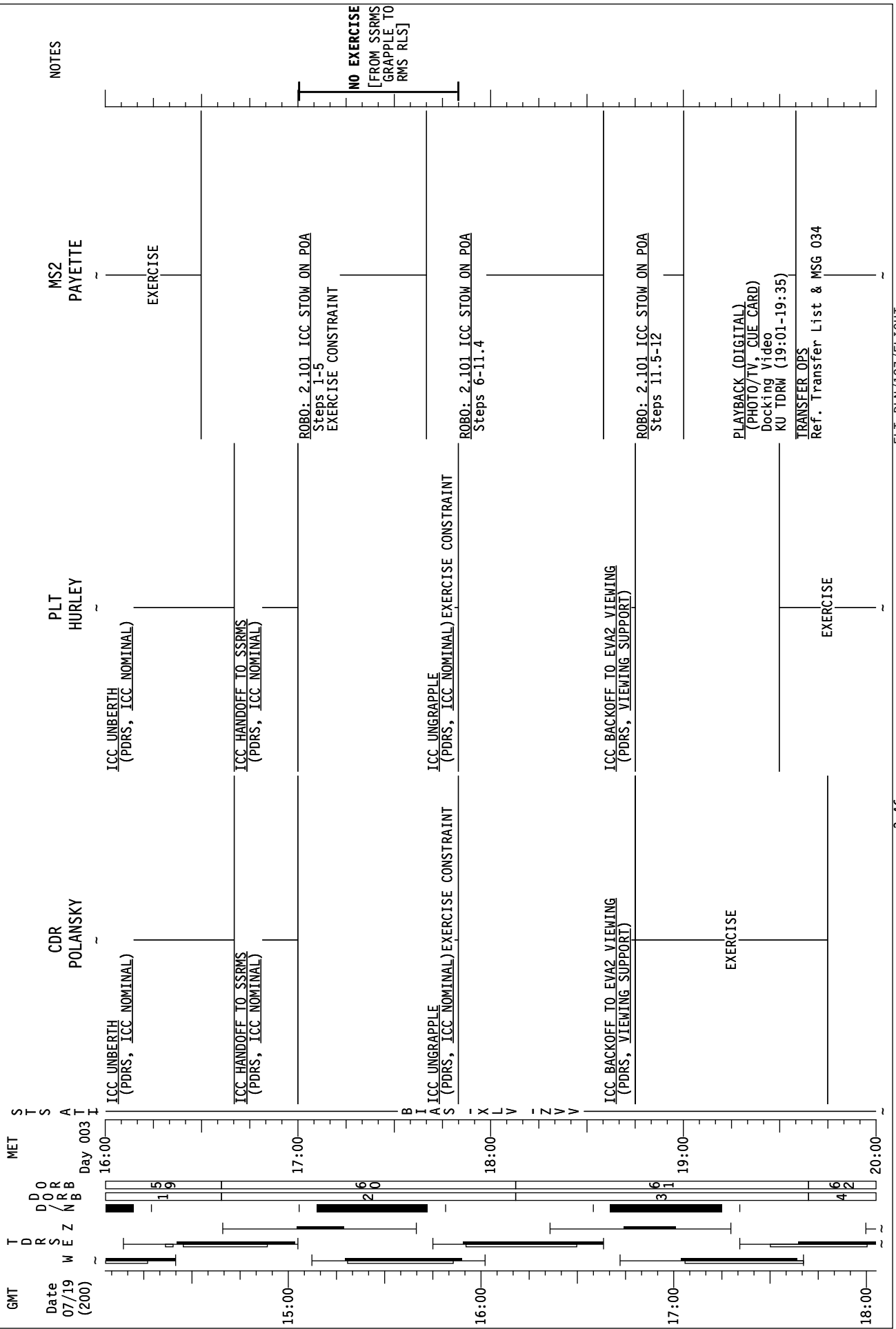
STS-127 FD (05)



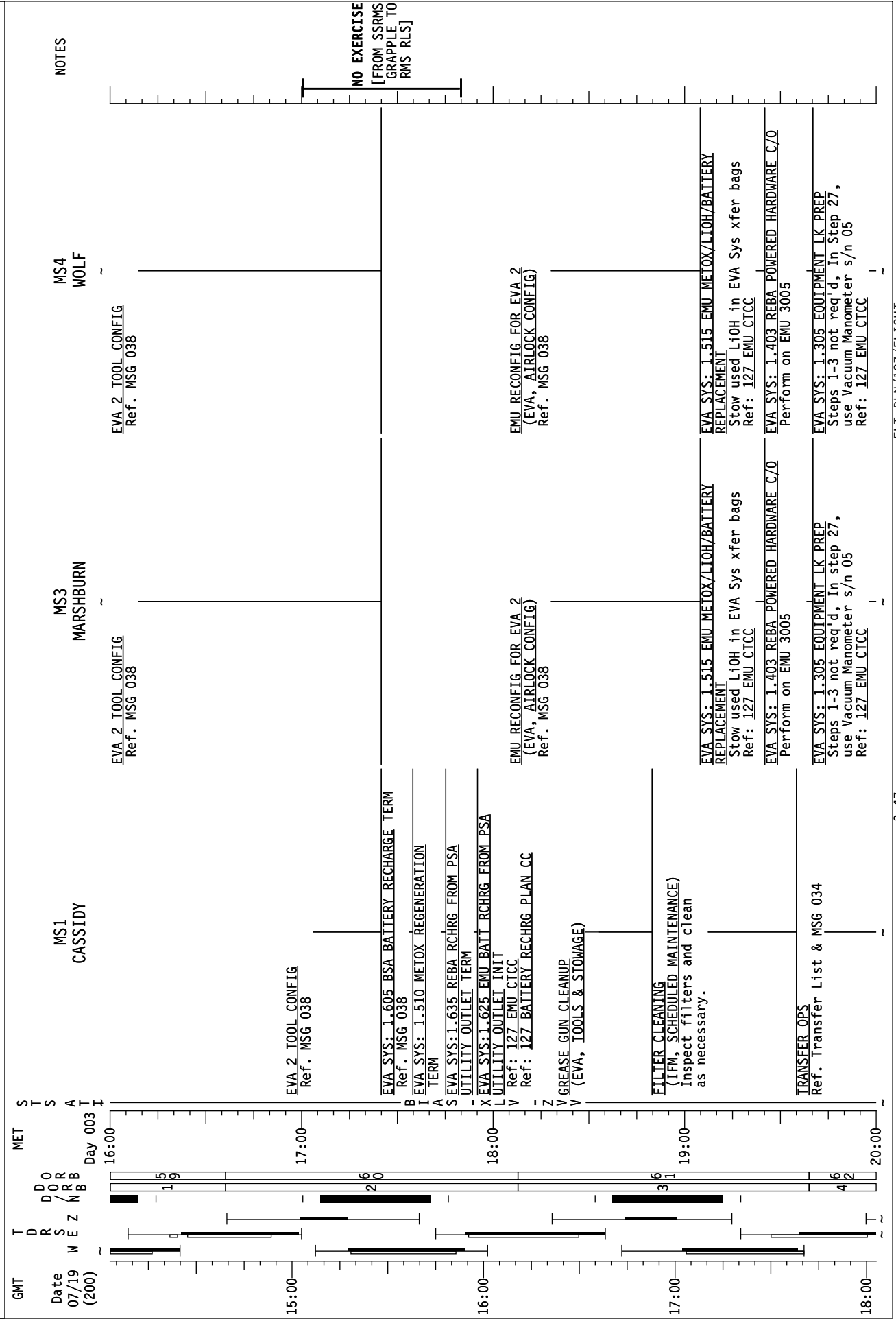
STS-127 FD (05)



STS-127 FD (05)



STS-127 FD (05)



STS-127 FD (05)

GMT	Date 07/19 (200)	DRS W E Z	MET	STS D O R / R B	Day 003 I	CDR POLANSKY	PLT HURLEY	MS2 PAYETTE	NOTES
19:00									
20:00									
21:00									
22:00									
23:00									
00:00									

TRANSFEEER OPS
Ref. Transfer List & MSG 034

TRANSFEEER OPS
Ref. Transfer List & MSG 034

EXERCISE

MEAL

MEAL

TRANSFEEER OPS
Ref. Transfer List & MSG 034

CMC-I FILL (ORB OPS, CMC-I FILL)
FILL CMC-Is #4 - 6, Ref. MSG 029

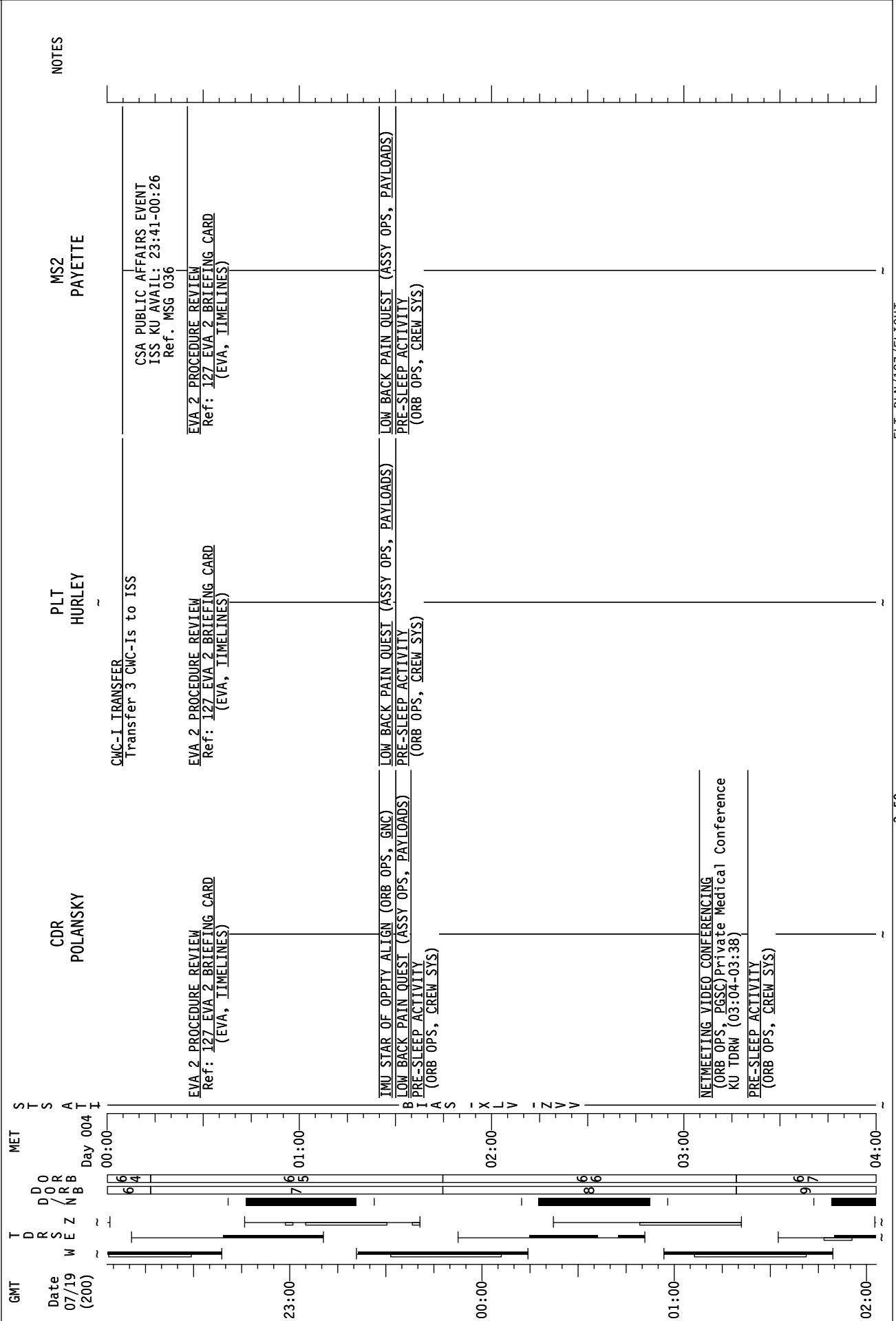
CMC-I TRANSFER
Transfer 3 CMC-Is to ISS

TRANSFEEER TAGUP
Coordinate with xfer counterpart

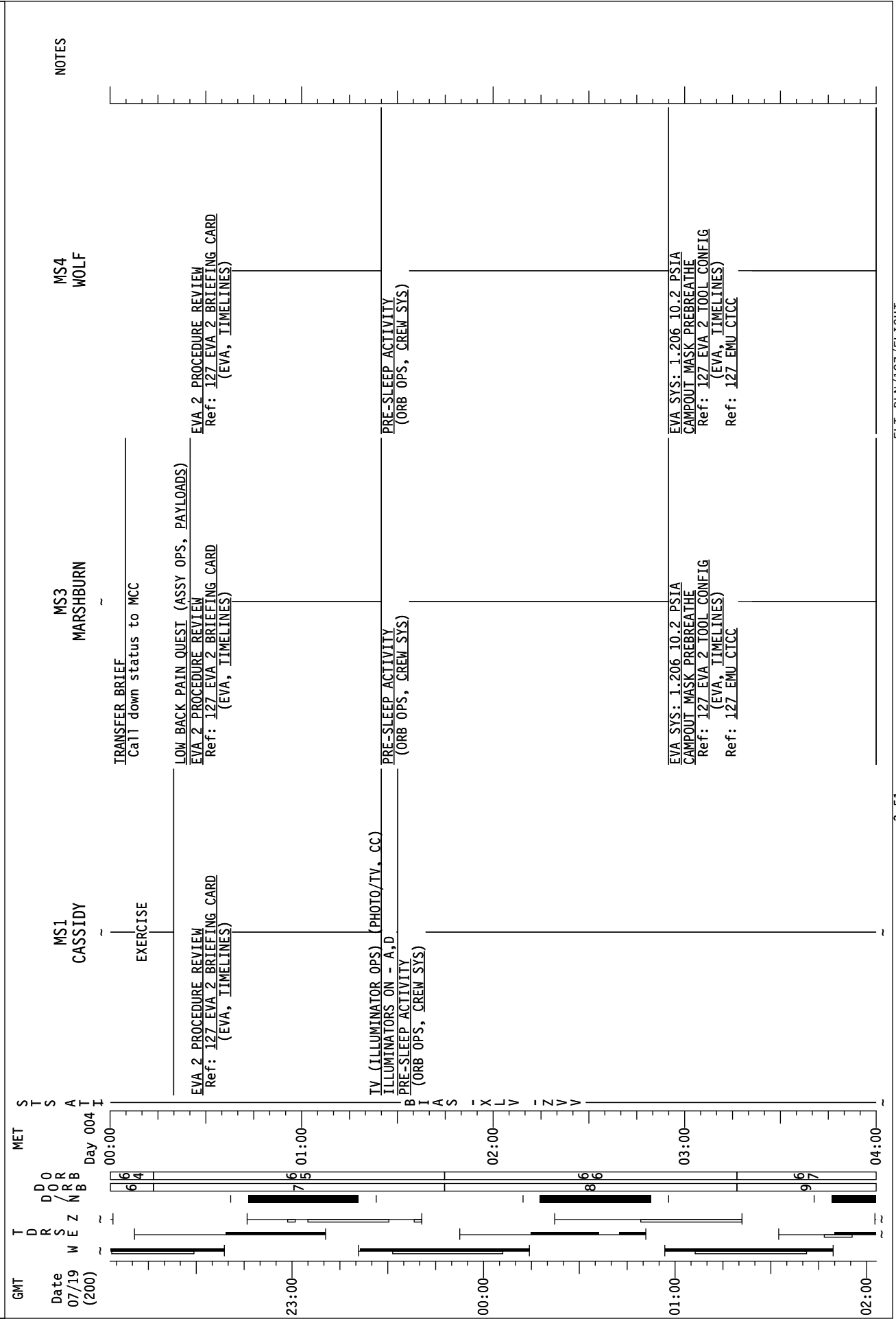
STS-127 FD (05)

GMT	Date 07/19 (200)	TDRS W E Z	MET	STSA	Day 003	MS1 CASSIDY	MS3 MARSHBURN	MS4 WOLF	NOTES
19:00						TRANSFER OPS Ref. Transfer List & MSG 034	EVA SYS: 1.305 EQUIPMENT LK PREP Steps 1-3 not req'd. In step 27, use Vacuum Manometer s/n 05 Ref: 127_EMU_CTCC	EVA SYS: 1.305 EQUIPMENT LK PREP Steps 1-3 not req'd. In Step 27, use Vacuum Manometer s/n 05 Ref: 127_EMU_CTCC	
20:00						TRANSFER OPS Ref. Transfer List & MSG 034	TRANSFER OPS Ref. Transfer List & MSG 034	TRANSFER OPS Ref. Transfer List & MSG 034	
21:00									
22:00									
23:00									
00:00									

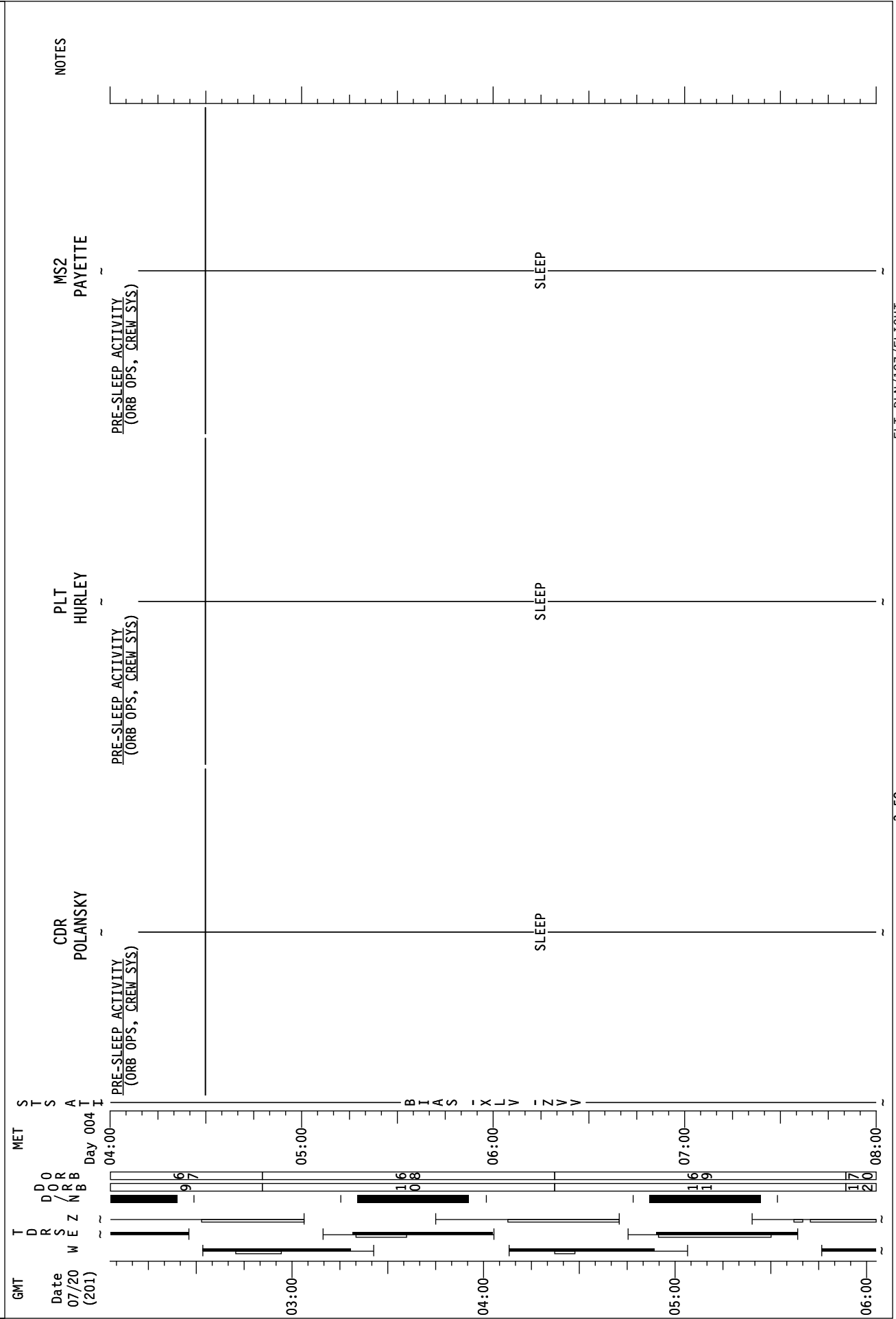
STS-127 FD (05)



STS-127 FD (05)



STS-127 FD (05)



NOTES

MS2 PAYETTE

PLT HURLEY

CDR POLANSKY

GMT Date 07/20 (201)

Time 03:00 04:00 05:00 06:00 07:00 08:00

MET Day 004

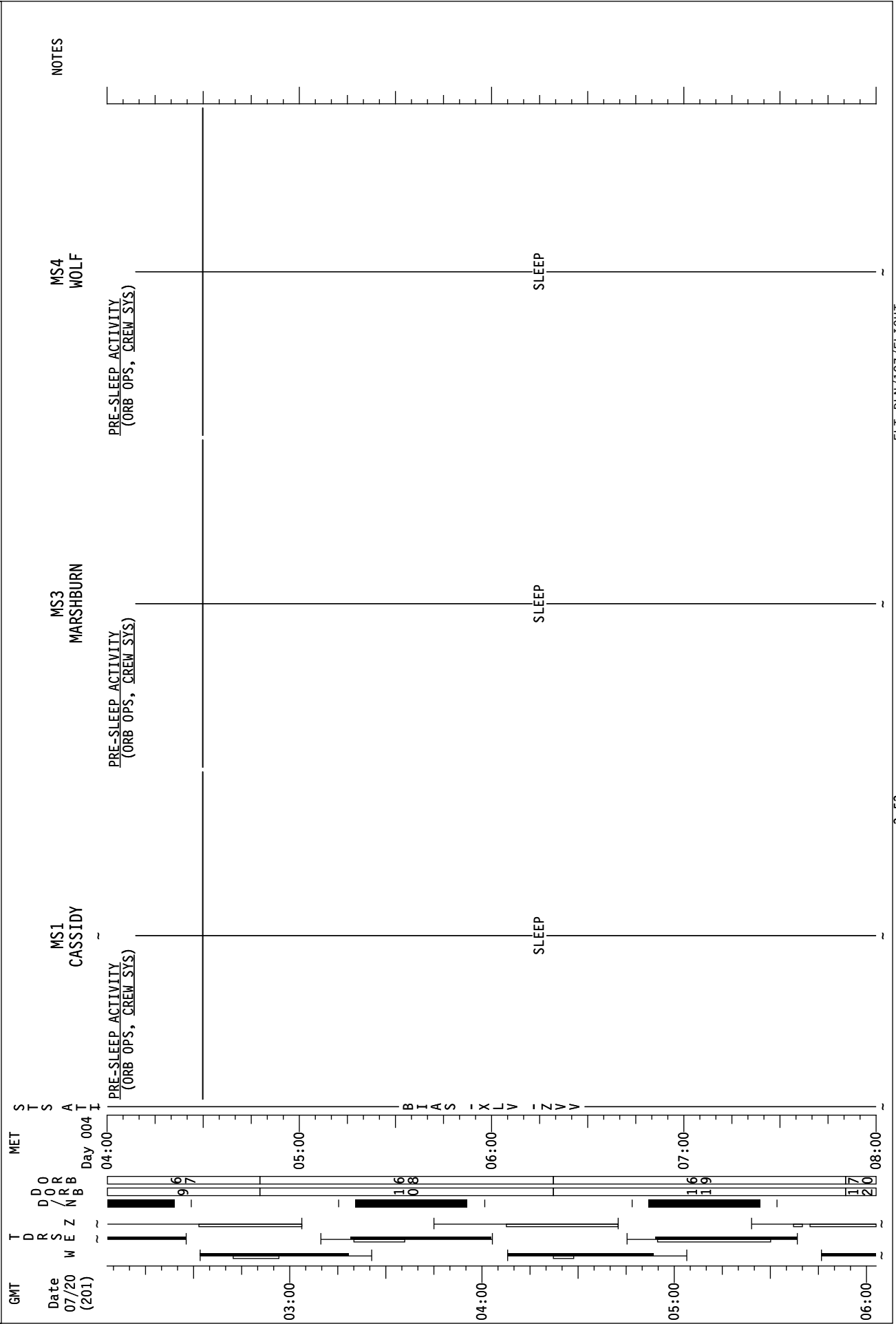
STISSA I

DRS W E Z

DOR/RB

96 97 16 08 16 19 17 20

STS-127 FD (05)



MSG 033 - FD05 MISSION SUMMARY

1 Good Morning Endeavour!!!

2
3 Thanks for all your hard work yesterday. Not only did you accomplish a great EVA, but you
4 also used three robotic arms to install JEF on Kibo. Using three robotic arms concurrently
5 for an installation task is a space first! Kibo is now complete. The completion of Kibo
6 means that all modules on ISS are now complete. Yesterday was a great space day!

7
8 Have a great day!

9
10
11 YOUR CURRENT ORBIT IS: 189 X 186 NM

12
13 NOTAMS:

14
15 **NOTAMS – ONE CHANGE**

16
17 EDW - EDW IN USE. EDT ELS DAY / VFR ONLY.
18 EDW - LAKEBED RWY 15/33 - GREEN. RWY 18L - UNUSABLE.
19 NOR - LAKEBED RUNWAYS GREEN.
20 GUA - RWY 24R END LIGHTS OTS.
21 GUA - RWY 06R/24L CLOSED.
22 INN - CLOSED.
23 IKF - NOT USABLE. NO AGREEMENT.
24 BEN - NOT RECOMMENDED/NOT SUPPORTED.
25 **FMH - RWY 05/23 CLOSED.**

26
27 NEXT 2 PLS OPPORTUNITIES:

28
29 NOR17 ORB 64 – 3/23:32 SCT110 BKN170 7 240/09P15
30 EDW22 ORB 80 – 4/23:57 FEW120 SCT250 7 230/18P25

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 Subtract interconnect counter for current OMS quantities.

45
46 L OMS OX = 39.5 R OMS OX = 39.7
47 FU = 39.1 FU = 39.4

MSG 033 - FD05 MISSION SUMMARY

DELTA V AVAILABLE:

OMS	383 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>41 FPS</u>
TOTAL IN THE AFT	424 FPS
ARCS (TOTAL ABOVE QTY2)	72 FPS
FRCS (ABOVE QTY 1)	27 FPS
AFT QTY 1	81 %
AFT QTY 2	43 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
EVA	CCA: Continuous noisy audio from EV2 (Ko) comm. cap.	Noisy audio on air-to-ground during the EVA.	None. There's no additional planned use of this comm. cap.

1 Tom & Dave,
2

3 Wow!! Excellent job yesterday on transfer! You're definitely ahead of the curve at this point,
4 and it sounds like Roman is well on his way to being a certified loadmaster. Please notice
5 we've included several more hours of transfer on your timeline today, since focused
6 inspection has been deleted.
7

8 Transfer Questions
9

- 10 • **Foam Applicators** - Based on your report last night about the foam applicator swap
11 and to verify each vehicle has the necessary hardware, could you please confirm the
12 following:
 - 13 1. Two foam applicators (Resupply item 12) and three tips (aka nozzles) are
14 present in the blue Leak Patch Kit in 0.5 CTB s/n 1099 (ISS Leak Kit) at
15 PMA1.
 - 16 2. Two foam applicators transferred from station to shuttle (Return item 718)
17 were taken from the blue Leak Patch kit in 0.5 CTB s/n 1099 (ISS Leak Kit) at
18 PMA1.
 - 19 3. Two foam applicators and two tips (aka nozzles) in MA16D location.
20
- 21 • **Resupply Item 28 (former Bag B)** - Mark, we realized after last night's conversation
22 that you reported pulling the CWC-I's (Resupply item 28.1) out of Bag B before
23 transferring it to ISS. We actually need you to transfer those CWC-I's to ISS, since
24 they are not planned to be filled on the middeck. You can just stow them in what is
25 now Bag E on ISS. Your transfer list has been updated to reflect this, including the
26 serial numbers of these CWC-I's. This change was captured in the FD03 uplink, so
27 FYI that page may have gone missing.
28
- 29 • **Return Item 616 (RFTA)** - Please confirm that the RFTA (Return item 616) packed
30 in Bag D included its nomexed foam cap.
31
32

33 Transfer Notes
34

- 35 • **Random grey cells** - You'll most likely notice some random grey cells in your
36 transfer list today (other than the items marked complete). This is a product of some
37 of the macros resident in the electronic transfer list spreadsheet, and unfortunately
38 we have not figured out how to reformat them. We apologize for any confusion this
39 may cause.
40
41

42 The Transfer List Excel file, FD05_Transfer_List_STS127.xls, locations are:

- 43 • Shuttle: **C:\OCA-up\transfer** (KFX machine)
- 44 • Station: **K:\OCA-up\transfer**
- 45
- 46

47 FD05 Transfer Choreography (items that should be completed today)
48

- 49 • No particular items required today that aren't already transferred.
50

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51

Please update Transfer List book as follows:

In the **RESUPPLY** tab:

Replace the following page:
Resupply-7

In the **RETURN** tab:

Replace the following page:
Return-1

Add the following page:
Return-15

Have an incredible day and let us know if you have any questions!

- The 2J/A Transfer Team

1 The team on the ground has been working to get two operational printers and a
2 stowed spare on ISS. By STS-127 undock, we hope to have one operational printer
3 in the Lab and the printer designated as the spare stowed onboard in the USOS.
4 34P will deliver a third printer that will be used to replace the SM printer.

5
6 During STS-127, the plan is as follows:

- 7
- 8 - On FD 6, FE-4 is scheduled to setup the new Lab printer. This task entails:
 - 9 1. Unstowing the new printer from CTB 1248 (2J/A Transfer List Item
10 #44).
 - 11 2. Removing the paper trays and cables from the old Lab printer and
12 installing them on the new printer.
 - 13 3. Configuring the new printer with the OpsLAN IP Address/settings and
14 printing a test printout from an SSC.
 - 15 4. Stowing the old Lab printer.
 - 16 - On FD13, provided STS CDR is satisfied with the print quality on the Lab
17 printer, a task is being scheduled to perform a swap of the STS printer with
18 the old Lab printer. This will provide a spare printer on ISS. The task will
19 entail:
 - 20 1. Unstowing the old Lab printer and transferring it to the Shuttle
 - 21 2. Removing the paper trays and cables from the STS printer and
22 installing them on the transferred old Lab printer
 - 23 3. Configuring the old Lab printer with the STS network IP
24 Address/settings and printing out a verification page from a PGSC (in
25 blue ink).
 - 26 4. Transferring the old STS printer to ISS and stowing it.
- 27

28 If you have any questions or comments with this plan, please let us know.

29
30 - Your STS-127/2J/A Ops LAN and PGSC teams

31
32
33
34
35
36
37
38
39
40
41
42
43
44
45

FD5 EVA Deltas Msg

Dave, Tim, Chris and Tom great job with EVA 1. One down, four to go. Next up wrangling the SGANT antenna. We have a couple changes to EVA 1 tool deconfig/EVA 2 tool config.

TASK ITEMS

EVA 2 Tool Config:

Retrieve the following tool from CTB 1075 (AL100_Behind Closeout)

- WIF adapter p/n SEG33106863-309 report s/n to MCC-H
- Stow on EV1 MMWS

Reference the following for EVA 2 Tool Config. Replaces Page 8-17 &18 Flight Day 5 – EVA 1 Tool Deconfig/EVA 2 Tool Config:

1. Deconfigure the following:

M Bag:

Remove item	QTY	Transfer to
Camera w/bracket and RET sm-sm	<input type="checkbox"/> 1	Battery to charging; stage camera outside AL
SARJ scraper	<input type="checkbox"/> 1	ISS temp stow
Stow clevis bracket	<input type="checkbox"/> 1	ISS temp stow
Ratchet w/2" socket	<input type="checkbox"/> 1	J bag int RET
Lg-sm RET	<input type="checkbox"/> 1	EVA 5 mesh bag
EVA wipe	<input type="checkbox"/> 1	If clean – ISS temp stow; if used check MCC-H

B Bag:

Remove item	QTY	Transfer to
Square Torque multiplier w/Rec socket	<input type="checkbox"/> 1	V bag int RET
Square Scoops	<input type="checkbox"/> 2	Remain in bag

V Bag:

Remove item	QTY	Transfer to
DRT	<input type="checkbox"/> 2	EVA 5 bag
Wire tie caddy	<input type="checkbox"/> 1	Staging bag FS 1 hook #1 (swap with socket caddy)
Lg-sm AET	<input type="checkbox"/> 1	EVA 5

Staging Bag:

Remove item	QTY	Transfer to
Socket caddy w/RAD, 6" ext, ¼" hex driver	<input type="checkbox"/> 1	¼" hex to Task Transfer Bag; rest to ISS temp stow
Grease gun w/EVA wipe	<input type="checkbox"/> 1	Stage as needed for deconfig

EVA TOOLS MANAGEMENT (Cont)

EV1 MMWS

Remove item	QTY	Transfer to
UCCAS EVA override cap	<input type="checkbox"/> 1	ISS temp stow
Large trash bag	<input type="checkbox"/> 1	ISS temp stow
LDTDs	<input type="checkbox"/> <input type="checkbox"/> 4 <input type="checkbox"/> <input type="checkbox"/>	ISS temp stow

EV2 MMWS

Remove item	QTY	Transfer to
RTL PIP pins	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 3	ISS temp stow
LTA mode plug	<input type="checkbox"/> 1	ISS temp stow

- From EVA Task Transfer Bag, retrieve and distribute as follows:

Retrieve item	QTY	Transfer to
VE cap size 17	<input type="checkbox"/> 1	J bag int RET

- Perform EVA 2 TOOL CONFIG per EVA 2 Timeline pages (section 7)
 - Stow/retrieve tethers on tether wall as needed
 - Retrieve 55-ft tether from spare STP in C/L. Stow per TOOL CONFIG

EVA 2 PROCEDURE CHANGES

EVA 2 Tool Config

Page 7-43 middle column

Was

Crewlock Zenith Handrail

- Spare STP
- RET Lg-sm (**Lg hook attached outside bag to Zenith C/L Handrail & small Hook attached to FPP sleeve**)
 - FPP sleeves (sz 33/37) (**FPP stuffed in staging bag**)
- RET Lg-sm (**Lg hook attached outside bag to Zenith C/L Handrail & small Hook attached to FPP sleeve**)
 - FPP sleeves (sz 33/37) (**FPP stuffed in staging bag**)

Is:

Crewlock Zenith Handrail

- Spare 85' safety tether

EMU ITEMS

EMU 3003 Resize Recommendation

Per the suit re-sizing discussion post EVA 1, MCC recommends the arm cam settings for EV1 be changed from Long/Short (L/S) to Short/Short (S/S). The resize can be performed as part of the EMU RECONFIG FOR EVA 2 activity, scheduled at GMT 200/16:08 (MET 03/18:05). You can reference EVA, EMU CONT PROCS, page 12-25 or EVA: EVA Systems, 1.550 EMU RESIZE, page 3 of 5, for details on making the **ARM CAM ADJUSTMENT**. You should only need to change the upper cams (2 per arm) from the long to the short position. The lower cams should already be set to short, per nominal EMU sizing.

ERCA Loss of Signal & Corrective Action

The frequent loss of signal with ERCA s/n 1010 (address 16) on EVA 1, may be the same problem which occurred during the STS-122 mission. Electrical noise may be created during power-up of the ERCA if the power switch is not actuated fully, at the very center of the switch. Side-loading the switch during power-up is believed to create electrical noise, which causes the camera to lose signal some time later.

HL Battery Charging Anomalies

We have seen a couple of anomalies on the BSA Battery Charging HL batteries and s/n 1026 did not have a proper charge. All other batteries charged properly, including HL Batt s/n 1028 which received an over-temp error. We will reattempt recharge of s/n 1026 after EVA 2. For the BSA Term today, just stow all the batteries. On the STS-127 EVA Battery Recharge Plan for FD6, please pen and ink HL Battery s/n 1026 into slot BC1 CH2.

