STS-127 / 2JA

FD 04 Execute Package

MSG	Page(s)	Title
024A	1 - 15	FD4 Flight Plan Revision **(pdf)**
025A	16 - 17	FD4 Mission Summary **(pdf)**
022	18 - 19	EVA TOOL STOW Stowage Matrix **(doc)**
023	20	Armstrong/Bolden Statements on Death of Walter Cronkite **(doc)**
026	21 - 22	FD4 Transfer Message **(pdf)**
028A	---	Stowage Locations for FD04 (GMT 199) **(doc - Electronic Only)**
029	23	STS-127 Water Ops Cue Card **(pdf)**

Approved by FAO: *F. Reynolds*

Last Updated: Jul 18 2009 10:23AM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

This page is intentionally blank.

MSG INDEX

MSG NO.	TITLE
022	EVA TOOL STOW Stowage Matrix
023	Armstrong/Bolden Statements on Death of Walter Cronkite
024	FD4 Flight Plan Revision
025A	FD4 Mission Summary
026	FD4 Transfer Message
028A	Stowage Locations for FD04
029	STS-127 Water Ops Cue Card

1. POST SLEEP CRYO CONFIG

For today's cryo config, O2 tanks 2, 3 & 4 and H2 tanks 2 & 4 will be active.

R1 O2,H2 MANF VLV TK2 (two) - OP (tb-OP)
O2 TK3 HTRS A,B (two) - AUTO

A11 CRYO TK4 HTRS O2 A,B (two) - AUTO

A15 CRYO TK5 HTRS O2 A,B (two) - OFF

2. JEM RMS

Julie, Doug and Mark: Please refer to the MSG 021 (uplinked on FD03) for all JEMRMS operations throughout the mission.

In addition for Julie, JAXA requests that you make the following updates to your JEMRMS WR MOTION FOR EE GROUNDING TAB REMOVAL procedure today:

Before step 2.1.1, transition from Standby mode to Brake mode and take the Brake Switch to Off for ELBOW camera Pan/Tilt adjustment.

After step 2.1.1, engage the Brake Switch to On and transition back to Standby mode and proceed to step 2.1.2.

3. H2O OPS CUE CARD

We've uplinked a new H2O Ops Cue Card (MSG029) for the CWC-I fill today.

4. STOWAGE INFO

Welcome to ISS! Today you are scheduled to perform activities which require ISS items. For some of these activities, there will not be an ISS crewmember scheduled with you. We have uplinked on the Shuttle side the daily stowage note (MSG028A) for your reference in performing these activities. The stowage note includes unstow and restow information for all activities requiring ISS items. Please feel free to call if you have any questions.

5. REPLACE PAGES 2-10 THROUGH 2-13 AND 3-32 THROUGH 3-41.

REPLANNED

FD04

GMT 07/18/09 (199)

MET Day 002

STS-127

Constraints (top timeline):
- **NO UNISOLATED EXERCISE** [UCCAS DPLY]
- **NO EXERCISE** [DUAL ARM OPS]
- **NO UNISOLATED EXERCISE** [PAS DPLY]
- **NO EXERCISE** [DUAL ARM OPS] [JEF INSTL]

GMT: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
MET: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 003/00

CDR – POLANSKY: SLEEP | POST SLEEP | PMC A/G | POST SLEEP | CWC-I1 | PST SLP | CWC-I | TERM | INHIB | PAD | XFR | UPDAT | IMU | EXERCISE | XFER OPS | N2 XFER INIT | CWC-I3 | CWC-I | TERM | PRLA^ | MEAL | RMS@ | CWC-I XFER (3) | RMS JEF MNVR H/O | JEF^

PLT – HURLEY: SLEEP | POST SLEEP | MCIU* | XFER OPS | JEF GRPL | EXERCISE | MEAL | PRLA^ | JEF UNBRTH H/O | JEF RLS | SSRMS PDGF3 GRPL | NODE2 | RLS | SSRMS MNVR JEF | JEF | RGRPL | JEF INSTL

MS1 – CASSIDY: SLEEP | LOG | POST SLEEP | HYG BRK/ HATCH CLS | CAMPOUT EVA PREP | EMU | PURGE | EMU PREBREATHE | C_LK DPRS | P DPS | IVA SUPPORT EVA 1 (BASE Δ)

MS2 – PAYETTE: SLEEP | POST SLEEP | EXERCISE | PTVO6 | CWC-I2 | CWC-I | TERM | P/TV 07 S/U | P/TV 07 EVA SUPT | CL DPLY | BUS | JRMS* | BUS | RMS@ | RMS JEF MNVR H/O | MEAL | JEF^ | G1ON

MS3 – MARSHBURN: SLEEP | LOG | POST SLEEP | HYG BRK/ HATCH CLS | CAMPOUT EVA PREP | EMU | PURGE | EMU PREBREATHE | C_LK DPRS | P DPS | EXERCISE | P/TV 07 EVA SUPT | MEAL | P/TV 07 EVA SUPT

14.7 RPRS | 10.2 DPRS | **EVA 1 - 6:30**

MS4 – WOLF: SLEEP | POST SLEEP | HYG BRK/ PREBREATHE | CAMPOUT EVA PREP | EMU | PURGE | EMU PREBREATHE | C_LK DPRS | P DPS | EGRS | SETUP | JPM BM PREP | CETA CART MODS | P3 NADIR UCCAS | S3 ZENITH OUTBD PAS | CLNUP & INGRS

DAY/NIGHT

ORBIT: 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49

TDRS: W, E, Z

ORB ATT: BIAS -XLV -ZVV

SSRMS POS: NODE2 PDGF | W/O

NOTES: *FILTER CK | ^RLS | @JEF GRPL | *INSTL VIEW2 | ^UNGRPL

2

REPLANNED

FD04

GMT 07/18/09 (199)

MET Day 002

NO UNISOLATED EXERCISE [UCCAS DPLY] | NO EXERCISE [DUAL ARM OPS] | NO UNISOLATED EXERCISE [PAS DPLY] | NO EXERCISE [DUAL ARM OPS] [JEF INSTL]

12 13 14 15 16 17 18 19 20 21 22 23 003/00

ISS TDRS AVAIL

DN	FE-2 WAKATA	SLEEP; POST; EXERCISE TVIS; JPM; P&I; PW; DPC; POST SLEEP; FFQ; JEF GRPL; IRED; N2 XFER INIT; MIDDAY MEAL; JEF UNBRTH H/O; JEF RLS; SSRMS PDGF3 GRPL; NODE2 RLS; SSRMS MNVR JEF; JEF RGRPL; JEF INSTL
EXP19	ISS CDR PADALKA	SLEEP; POST; PW; DPC; SOKOL DRY; PAO; EXERCISE TVIS; TVIS HYG; DRY; SOKOL CLSOUT; MIDDAY-MEAL; СИЗ СК СМЭЛ AUDIT
EXP19	FE-1 BARRATT	SLEEP; POST SLEEP; N2 TEST; HYG BRK/ HATCH CLS; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; IRED; MIDDAY-MEAL; FFQ; EXERCISE CEVIS; PRE SLEEP
UP	FE-2 EXP20 KOPRA	SLEEP; POST SLEEP; HYG BRK/ PREBREATHE; CAMPOUT EVA PREP; EMU PURGE; EMU PREBREATHE; C_LK DPRS; PDPS; EGRS; SETUP; PLB PREP; Z1 TL BOX/ CBCS FLAP; P3 NADIR UCCAS; S3 ZENITH OUTBD PAS; CLNUP & INGRS
EXP20	FE-3 ROMANENKO	SLEEP; POST SLEEP; PW; DPC; КПТ-2-БИ-3-ИЗМ; VELO; MIDDAY-MEAL; TVIS; TVIS HYG; COX MNT
EXP20	FE-4 THIRSK	SLEEP; POST SLEEP; PW; DPC; EXERCISE CEVIS; CSA-CP ACO; AREED; EVAC; FFQ; MIDDAY-MEAL; PRE SLEEP
EXP20	FE-5 DE WINNE	SLEEP; POST SLEEP; PW; DPC; IRED; FFQ; MIDDAY-MEAL; DOS HW XFER; DOSIS MAIN SETUP; DOSIS; PASSU; CWCI; FIL 1; CWCI; FIL 2; PW

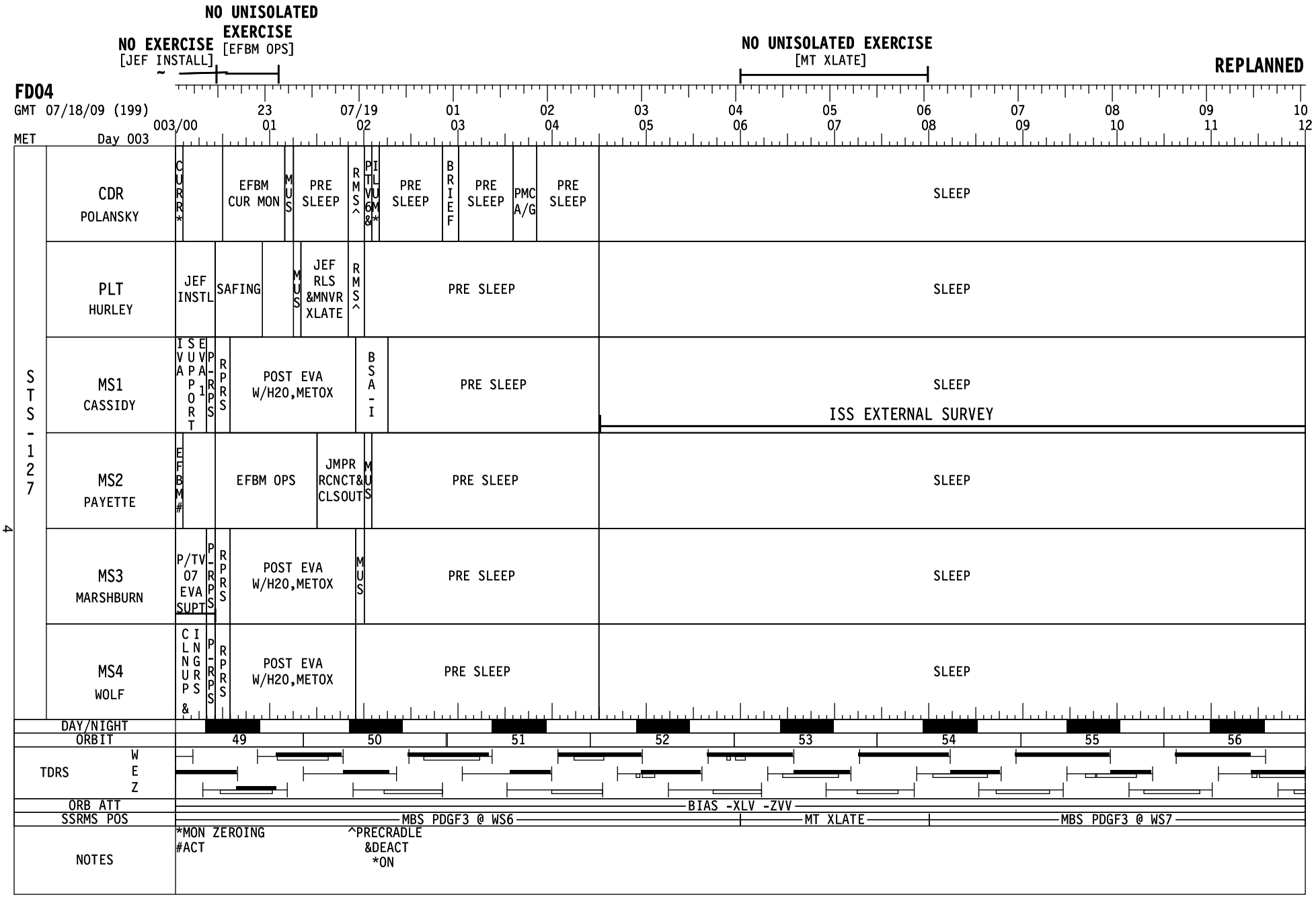
DAY/NIGHT

ORBIT: 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49

SSRMS POS: NODE2 PDGF — W/O

NOTES

3


NO EXERCISE
[JEF INSTALL]
NO UNISOLATED EXERCISE
[EFBM OPS]
NO UNISOLATED EXERCISE
[MT XLATE]
REPLANNED
FD04
GMT 07/18/09 (199)
MET Day 003
003/00 23 01 07/19 02 01 03 02 04 03 05 04 06 05 07 06 08 07 09 08 10 09 11 10 12
STS-127
CDR POLANSKY
CURR* EFBM CUR MON MUS PRE SLEEP RMS^ PTV6& ILUM* PRE SLEEP BRIEF PRE SLEEP PMC A/G PRE SLEEP SLEEP
PLT HURLEY
JEF INSTL SAFING MUS JEF RLS &MNVR XLATE RMS^ PRE SLEEP SLEEP
MS1 CASSIDY
IVA SUPPORT EVA1 P-RPS RPRS POST EVA W/H2O,METOX BSA-I PRE SLEEP SLEEP
ISS EXTERNAL SURVEY
MS2 PAYETTE
EFBM# EFBM OPS JMPR RCNCT&CLSOUT MUS PRE SLEEP SLEEP
MS3 MARSHBURN
P/TV 07 EVA SUPT P-RPS RPRS POST EVA W/H2O,METOX MUS PRE SLEEP SLEEP
MS4 WOLF
CLNUP& INGRS P-RPS RPRS POST EVA W/H2O,METOX PRE SLEEP SLEEP
DAY/NIGHT
ORBIT 49 50 51 52 53 54 55 56
TDRS W E Z
ORB ATT BIAS -XLV -ZVV
SSRMS POS MBS PDGF3 @ WS6 MT XLATE MBS PDGF3 @ WS7
NOTES
*MON ZEROING
#ACT
^PRECRADLE
&DEACT
*ON

NO EXERCISE [JEF INSTALL] ~ | **NO UNISOLATED EXERCISE** [EFBM OPS] | **NO UNISOLATED EXERCISE** [MT XLATE] | **REPLANNED**

FD04

GMT 07/18/09 (199)

MET Day 003

003/00 23 01 07/19 02 01 03 02 04 03 05 04 06 05 07 06 08 07 09 08 10 09 11 10 12

ISS TDRS AVAIL

DN	FE-2 WAKATA	JEF INSTL; SAFING; JEF RLS &MNVR XLATE; DPC; PRE SLEEP; SLEEP
EXP 19	ISS CDR PADALKA	EXERCISE CEVIS; PW; DPC; PRE SLEEP; КПТ2; SLEEP
EXP 19	FE-1 BARRATT	PRE SLEEP; SLEEP; GLOVES; P-RPS; RPRS; POST EVA W/H2O,METOX; IMAGE; REBA-I; PRE SLEEP; SLEEP
UP	FE-2 EXP20 KOPRA	CLNUP & INGRS; P-RPS; RPRS; POST EVA W/H2O,METOX; PRE SLEEP; PMC; PRE SLEEP; SLEEP
EXP 20	FE-3 ROMANENKO	COX MNT; ИП-1; IMS; PW; DPC; PRE SLEEP; SLEEP
EXP 20	FE-4 THIRSK	PRE SLEEP; PW; DPC; IRED; EXDL; PRE SLEEP; SLEEP
EXP 20	FE-5 DE WINNE	PW; EXERCISE TVIS; PW; DPC; PRE SLEEP; SLEEP

DAY/NIGHT	
ORBIT	49 50 51 52 53 54 55 56
SSRMS POS	MBS PDGF3 @ WS6 — MT XLATE — MBS PDGF3 @ WS7
NOTES	

5

STS-127 FD (04)

GMT Date 07/18 (199) | W | TDRSE | Z | D/N | DORB | ORB | MET Day 002 | STS ATI

CDR POLANSKY | PLT HURLEY | MS2 PAYETTE | NOTES

FD04 EZ ACTIVITES:
TEPC (ORB OPS, CREW SYS)
CHECK STATUS
√OCAC FILTER & MDDK DUCT SCREEN
HARD REBOOT ALL PGSCs EXCEPT:
STS-7(WLES),STS-6(RPOP2),
& OCA ROUTER.

SLEEP | SLEEP | SLEEP

14 41 | 15 42 | 13 43

12:00 | 11:00 | 12:00 | 13:00 | 14:00

13:00 | 14:00 | 15:00 | 16:00

BIAS_XLV_ZVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PRIVATE MEDICAL CONFERENCE
L9 PAYLOAD STATION A/G(two) -OFF
Perform via A/G 2

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

√HUM SEP for H2O Accumulation

CWC-I FILL (ORB OPS, CWC-I FILL)
Fill Init #1, Ref. MSG 029

CWC-I TERM (ORB OPS, CWC-I FILL)
Fill Term

STS-127 FD (04)

GMT Date 07/18 (199) | W | T D R S E | Z | D/N | D O R B | O R B | MET Day 002 | STS ATT

MS1 CASSIDY | MS3 MARSHBURN | MS4 WOLF | NOTES

12:00 — 13:00 — 14:00 — 15:00 — 16:00

11:00 — 12:00 — 13:00 — 14:00

D/N: 14, 15, 13

ORB: 41, 42, 43

BIAS-XLV-ZVV

SLEEP (MS1, MS3, MS4)

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

EVA SYS: 1.211 HYGIENE BREAK
Steps 21-25
MCC-H performs Step 23

EVA SYS: 1.216 EVA PREP

EVA SYS: 1.211 HYGIENE BREAK
Start no earlier than 8:40 hrs
from the end of:
1.206 10.2 PSIA CAMPOUT MASK PREBREATHE
MCC-H performs Steps 1-4,16-20 & 23

STS-127 FD (04)

GMT Date 07/18 (199) | W | TDRS E | Z | D/N | DORB 1 2 3 4 | ORB 4 3 4 4 4 5 4 6 | MET Day 002 | STS ATT

BIAS -XLV -ZVV

MET	CDR POLANSKY	PLT HURLEY	MS2 PAYETTE	NOTES
16:00	EVA 1 INHIBIT PAD (EVA, TIMELINES)	L17 Check MCIU filter screen TRANSFER OPS Ref. Transfer List & MSG 026	EXERCISE	UPLINK β21 + Mask Box 2,4,8
	DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG 026			
	IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)	ROBO: 1.101 JEF UNBERTH & INSTALL Steps 1-4		
17:00	EXERCISE		P/TV06 ROBOTICS OPERATIONS (PHOTO/TV, SCENES) SETUP	
			CWC-I FILL (ORB OPS, CWC-I FILL) Fill Init #2, Ref. MSG 029	
			CWC-I TERM (ORB OPS, CWC-I FILL) Fill Term	
	TRANSFER OPS Ref. Transfer List & MSG 026	EXERCISE	P/TV07 EVA (PHOTO/TV, SCENES) SETUP	
18:00	JOINT OPS: 3.102 NITROGEN TRANSFER INITIATION Verify MCC-H complete with Step 2, then perform Steps 3-4.4, 5.1		P/TV07 EVA (PHOTO/TV, SCENES) OPS	
19:00	CWC-I FILL (ORB OPS, CWC-I FILL) Fill Init #3, Ref. MSG 029	MEAL		
	CWC-I TERM (ORB OPS, CWC-I FILL) Fill Term		On EVA GO, perform RMS CCP activation 1.102 ACTIVE EFBM OPS FOR JEF BERTHING (ASSY OPS, ACT & C/O) Steps 6-10	
	ROBO: 1.101 JEF UNBERTH AND INSTALL Step 5	ROBO: 1.101 JEF UNBERTH AND INSTALL Step 5		
		ROBO: 1.101 JEF UNBERTH & INSTALL Steps 6-7		
20:00	MEAL			

STS-127 FD (04)

GMT Date 07/18 (199) | W | TDRS E | Z | D/N | DORB 1 2 3 4 | ORB 43 44 45 46 | MET Day 002 | STS ATT BIAS -XLV -ZVV

MET	MS1 CASSIDY	MS3 MARSHBURN	MS4 WOLF	NOTES
16:00	EVA SYS: 1.216 EVA PREP	EVA SYS: 1.216 EVA PREP	EVA SYS: 1.216 EVA PREP	
	EVA SYS: 1.220 EMU PURGE	EVA SYS: 1.220 EMU PURGE	EVA SYS: 1.220 EMU PURGE	
	EVA SYS: 1.225 EMU PREBREATHE	EVA SYS: 1.225 EMU PREBREATHE	EVA SYS: 1.225 EMU PREBREATHE	
17:00	EVA SYS: CREWLOCK DEPRESS (CC)	EVA SYS: CREWLOCK DEPRESS (CC)	EVA SYS: CREWLOCK DEPRESS (CC)	
18:00	EVA SYS: CREWLOCK POST DEPRESS (CC)	EVA SYS: CREWLOCK POST DEPRESS (CC)	EVA SYS: CREWLOCK POST DEPRESS (CC) EVA SYS: CREWLOCK EGRESS (CC)	
		EXERCISE	EVA 1 SETUP	
19:00	IVA SUPPORT FOR EVA 1	P/TV07 EVA (PHOTO/TV, SCENES) OPS	JPM BM PREP & JEM RMS GRD STRAP	
			CETA CART MODS & ATA BOLT RLS	
20:00				

STS-127 FD (04)

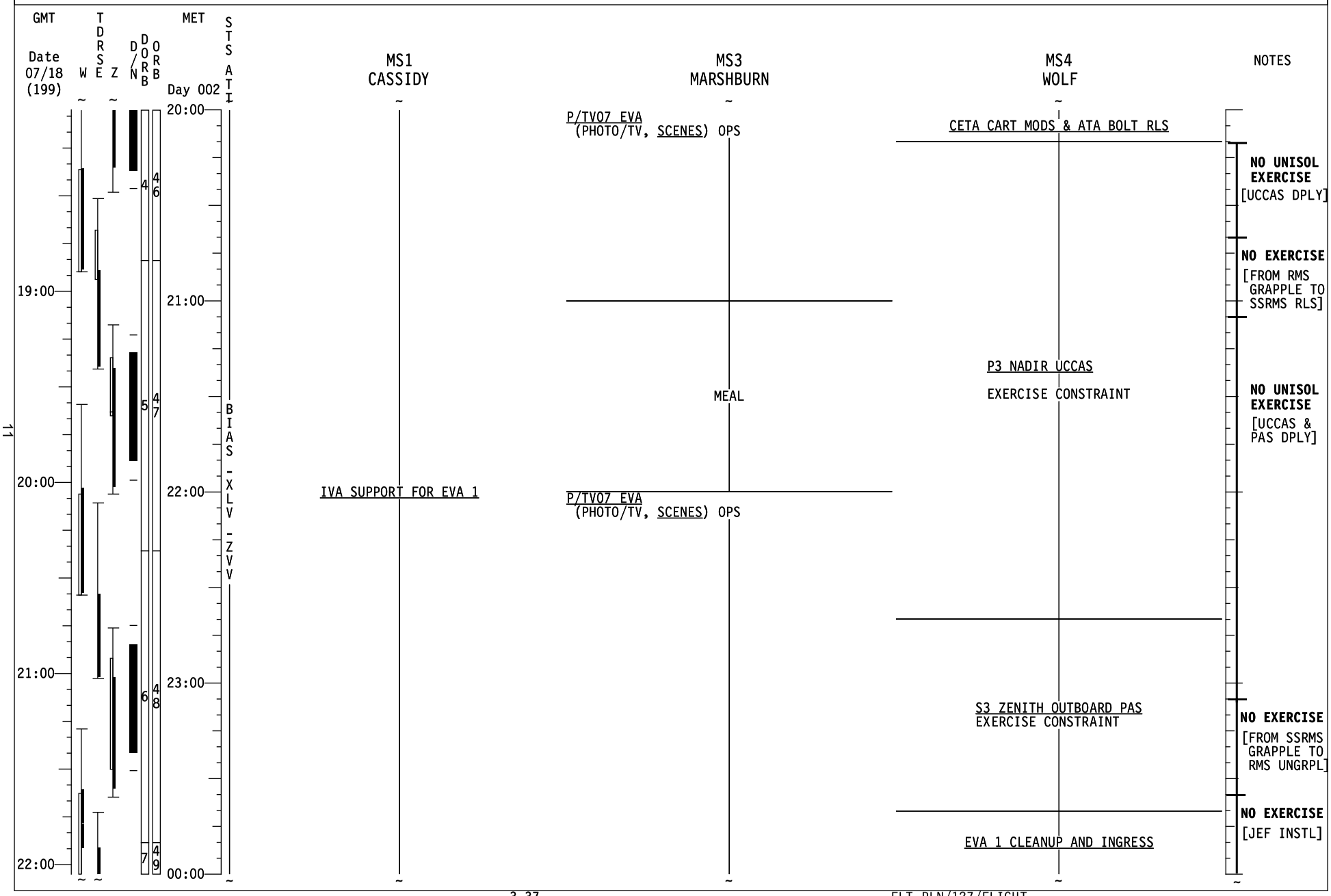
GMT Date 07/18 (199) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 002 | STS ATT

BIAS -XLV -ZVV

CDR POLANSKY	PLT HURLEY	MS2 PAYETTE	NOTES
MEAL	ROBO: 1.101 JEF UNBERTH & INSTALL Steps 6-7	J-ROBO: 1.403 JEMRMS BUS MONITOR OPS Steps 1 & 2 J-ROBO: 1.113 JEMRMS WR MOTION FOR EE GROUNDING TAB REMOVAL Steps 1.1.3 & 2. Ref. MSG 024, Item 2 J-ROBO: 1.403 JEMRMS BUS MONITOR OPS Steps 3 & 5	**NO UNISOL EXERCISE** [UCCAS DPLY]
JEF GRAPPLE (PDRS, JEF NOMINAL) EXERCISE CONSTRAINT		JEF GRAPPLE (PDRS, JEF NOMINAL) EXERCISE CONSTRAINT	**NO EXERCISE** [FROM RMS GRAPPLE TO SSRMS RLS]
CWC-I TRANSFER Transfer 3 CWC-Is to ISS	ROBO: 1.101 JEF UNBERTH & INSTALL Steps 8-9 EXERCISE CONSTRAINT ROBO: 1.101 JEF UNBERTH & INSTALL Steps 10-11		
JEF HANDOFF TO SSRMS (PDRS, JEF NOMINAL)		JEF HANDOFF TO SSRMS (PDRS, JEF NOMINAL)	**NO UNISOL EXERCISE** [UCCAS & PAS DPLY]
	ROBO: 1.101 JEF UNBERTH & INSTALL Steps 17-18 ROBO: 1.101 JEF UNBERTH & INSTALL Steps 19-21	MEAL	
	ROBO: 1.101 JEF UNBERTH & INSTALL Step 22 EXERCISE CONSTRAINT		**NO EXERCISE** [FROM SSRMS GRAPPLE TO RMS UNGRPL]
JEF UNGRAPPLE (PDRS, JEF NOMINAL) EXERCISE CONSTRAINT		JEF UNGRAPPLE (PDRS, JEF NOMINAL) EXERCISE CONSTRAINT	
	ROBO: 1.101 JEF UNBERTH & INSTALL Steps 23-25 EXERCISE CONSTRAINT	1.103 MPC AND G1 CAMCORDER SETUP FOR EFBM OPERATIONS (ASSY OPS, ACT&C/O) Steps 1.2-2 At Step 1.2.1 for JPM1AD5 UOP b2	**NO EXERCISE** [JEF INSTL]

REPLANNED

STS-127 FD (04)



STS-127 FD (04)

GMT Date 07/18 (199) | W | TDRS E | Z | D/N | DORB | ORB | MET Day 003 | STS ATT

CDR POLANSKY

- 1.101 EFBM CURRENT MONITOR FOR JEF BERTHING (ASSY OPS, ACT & C/O) Steps 4.8 & 4.9
- 1.101 EFBM CURRENT MONITOR FOR JEF BERTHING (ASSY OPS, ACT & C/O) Steps 5-end
- LOW BACK PAIN QUEST (ASSY OPS, PAYLOADS)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- JEF INSTALL VIEWING TO PRE-CRADLE (PDRS, VIEWING SUPPORT)
- P/TV06 ROBOTICS OPERATIONS [A]
- TV (ILLUMINATOR OPS) (PHOTO/TV, CC)
- ILLUMINATORS ON - A,D
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- TRANSFER BRIEF Call down status to MCC
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)
- PRIVATE MEDICAL CONFERENCE L9 PAYLOAD STATION A/G(two) -OFF Perform via A/G 2
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

PLT HURLEY

- ROBO: 1.101 JEF UNBERTH & INSTALL Steps 23-25
- EXERCISE CONSTRAINT
- ROBO: 1.101 JEF UNBERTH & INSTALL Step 26
- LOW BACK PAIN QUEST (ASSY OPS, PAYLOADS)
- ROBO: 1.101 JEF UNBERTH & INSTALL Steps 27-29
- JEF INSTALL VIEWING TO PRE-CRADLE (PDRS, VIEWING SUPPORT)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

[A] KEEL 1 PWR(ICC) - OFF
√1 ILL PWR(ICC) - ON
2 PWR(JLE) - OFF
√2 ILL PWR(JLE) - ON

MS2 PAYETTE

- 1.102 ACTIVE EFBM OPS FOR JEF BERTHING (ASSY OPS, ACT & C/O) Step 12
- 1.102 ACTIVE EFBM OPS FOR JEF BERTHING (ASSY OPS, ACT & C/O) Steps 13-end Then deactivate CCP RMS.
- 1.103 MPC AND G1 CAMCORDER SETUP FOR EFBM OPERATIONS (ASSY OPS, ACT & C/O) Step 3
- EXERCISE CONSTRAINT
- 2.100 JPM TO JEF 1553 JUMPER RECONFIG (ASSY OPS, IVA) Steps 1.2-1.5, 2.2-end
- LOW BACK PAIN QUEST (ASSY OPS, PAYLOADS)
- PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)

NOTES

- **NO EXERCISE** [JEF INSTL]
- **NO UNISOL EXERCISE** [UNTIL 3 SLs CONFIRMED]

STS-127 FD (04)

GMT Date 07/18 (199) | W | TDRS E | Z | D/N | DORB 7 8 9 | ORB 49 50 51 | MET Day 003 | STS ATI

MS1 CASSIDY | MS3 MARSHBURN | MS4 WOLF | NOTES

00:00 — 01:00 — 02:00 — 03:00 — 04:00

23:00 — 00:00 — 01:00 — 02:00

MS1 CASSIDY

IVA SUPPORT FOR EVA 1

EVA SYS: PRE REPRESS (CC)

EVA SYS: CREWLOCK REPRESS (CC)

EVA SYS: 1.240 POST EVA
With H2O & METOX
Steps 37 & 66 not req'd
MCC will perform Steps 43 & 67
Ref: 127 EMU CTCC
In Step 60, temp stow HL Batts for BSA Init

BIAS-XLV-ZVV

EVA SYS: 1.605 BSA BATTERY RECHARGE INIT
Ref: 127 EMU CTCC
Ref: 127 BATTERY RECHRG PLAN CC

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS3 MARSHBURN

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

EVA SYS: PRE REPRESS (CC)

EVA SYS: CREWLOCK REPRESS (CC)

EVA SYS: 1.240 POST EVA
With H2O & METOX
Steps 37 & 66 not req'd
MCC will perform Steps 43 & 67
Ref: 127 EMU CTCC
In Step 60, temp stow HL Batts for BSA Init

LOW BACK PAIN QUEST (ASSY OPS, PAYLOADS)

PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS4 WOLF

EVA 1 CLEANUP AND INGRESS

EVA SYS: PRE REPRESS (CC)

EVA SYS: CREWLOCK REPRESS (CC)

EVA SYS: 1.240 POST EVA
With H2O & METOX
Steps 37 & 66 not req'd
MCC will perform Steps 43 & 67
Ref: 127 EMU CTCC
In Step 60, temp stow HL Batts for BSA Init

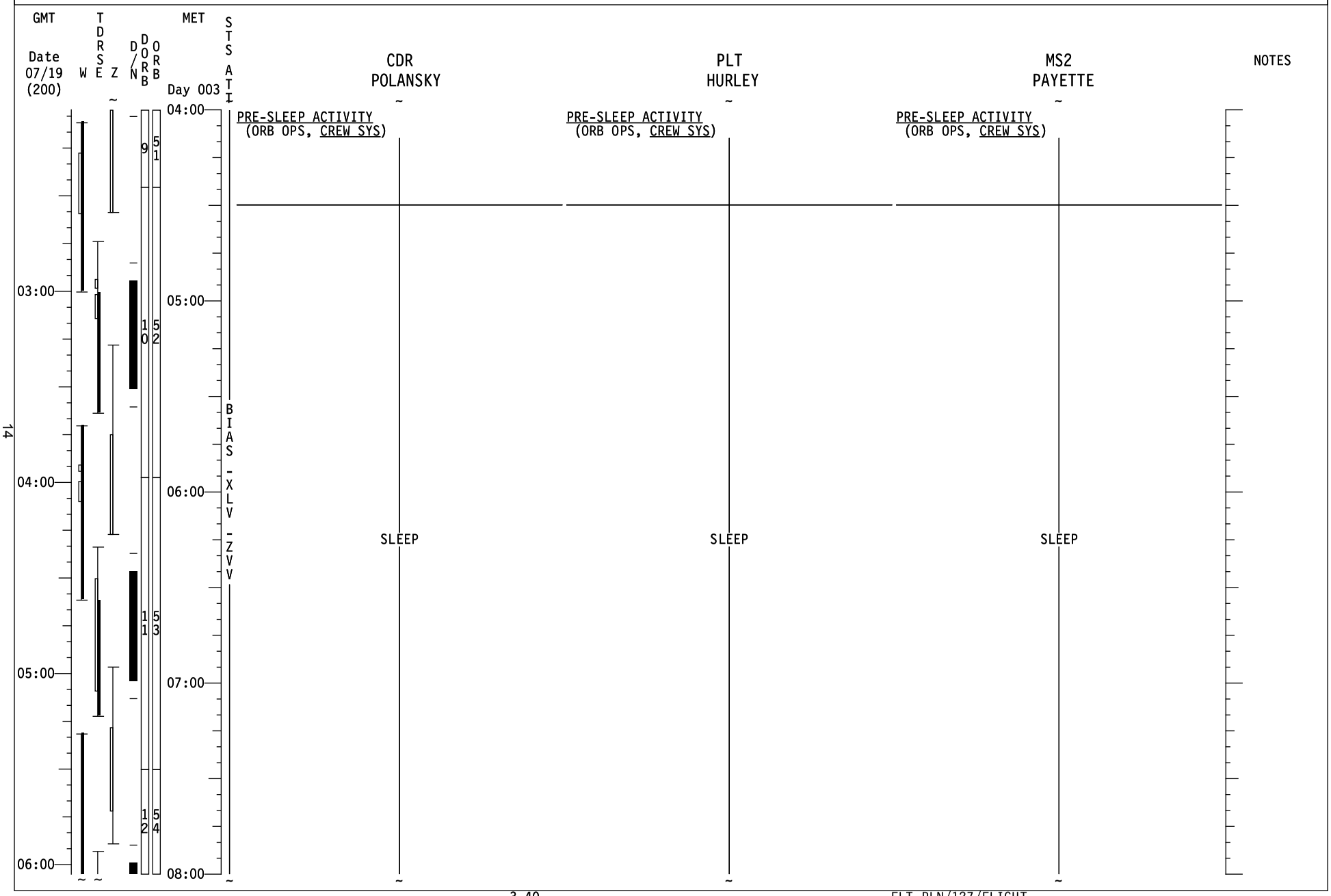
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

NOTES

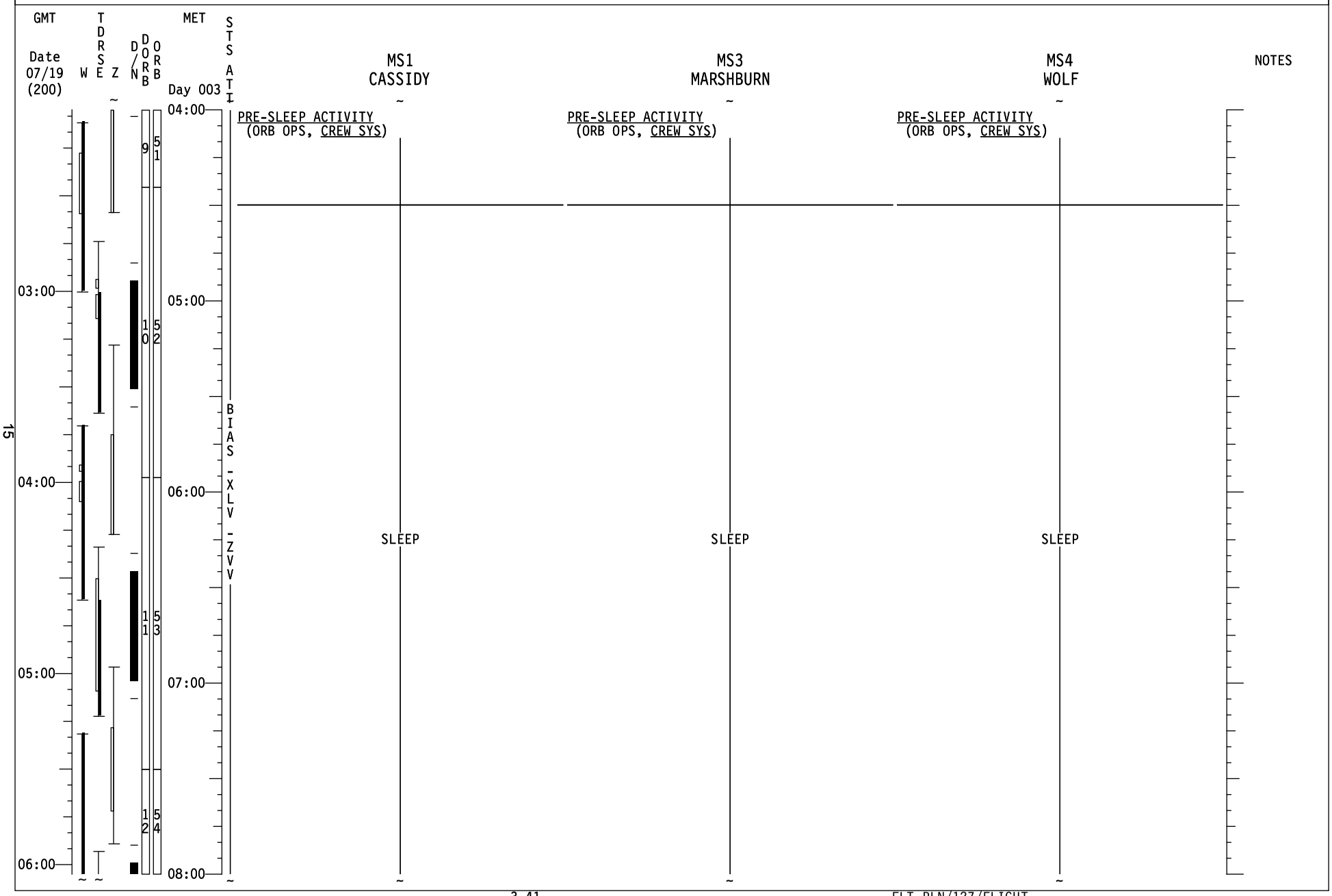
NO EXERCISE
[JEF INSTL]

NO UNISOL EXERCISE
[UNTIL 3 SLs CONFIRMED]

STS-127 FD (04)


GMT
Date
07/19
(200)
W
TDRS E
Z
D/N
DORB
DORB
MET
Day 003
STS ATT
BIAS -XLV -ZVV
CDR
POLANSKY
PLT
HURLEY
MS2
PAYETTE
NOTES
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP
03:00
04:00
05:00
06:00
04:00
05:00
06:00
07:00
08:00
9
10
11
12
51
52
53
54

STS-127 FD (04)


GMT
Date
07/19
(200)
W
T
D
R
S
E
Z
D/N
D
O
R
B
O
R
B
MET
Day 003
S
T
S
A
T
I
MS1
CASSIDY
MS3
MARSHBURN
MS4
WOLF
NOTES
03:00
04:00
05:00
06:00
04:00
05:00
06:00
07:00
08:00
9
10
11
12
51
52
53
54
BIAS-XLV-ZVV
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
PRE-SLEEP ACTIVITY
(ORB OPS, CREW SYS)
SLEEP
SLEEP
SLEEP

Good Morning Endeavour!!!

The Data Analysis Team has concluded that Focused Inspection is not required.

Congratulations! You set a new space record yesterday! For the very first time, thirteen humans were in one spacecraft orbiting the planet earth!

And yesterday, Koichi set a record. He is the first person that has been a crewmember on five different crews without returning to the planet earth.

And of course on launch day, Chris became the 500th person to orbit the earth!

What a record setting crew you are!

Have a great day!

YOUR CURRENT ORBIT IS: 189 X 186 NM

NOTAMS:

NOTAMS – NO CHANGE

EDW - EDW IN USE. EDT ELS DAY / VFR ONLY.
EDW - LAKEBED RWY 15/33 - GREEN. RWY 18L - UNUSABLE.
NOR - LAKEBED RUNWAYS GREEN.
GUA - RWY 24R END LIGHTS OTS.
GUA - RWY 06R/24L CLOSED.
INN - CLOSED.
IKF - NOT USABLE. NO AGREEMENT.
BEN - NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 49 – 3/00:42 FEW120 SCT200 7 240/16P24
NOR17 ORB 64 – 3/23:33 SCT110 BKN170 7 240/09P15 SLT CHC TSRA WI 30NM

OMS TANK FAIL CAPABILITY:

L OMS FAILS: NO
R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

L OMS LEAK: ALWAYS BURN RETROGRADE
R OMS LEAK: ALWAYS BURN RETROGRADE

OMS QUANTITIES(%)

Subtract interconnect counter for current OMS quantities.

L OMS OX = 39.5 R OMS OX = 39.7
FU = 39.1 FU = 39.4

DELTA V AVAILABLE:

OMS	382 FPS
ARCS (TOTAL ABOVE QTY1)	41 FPS
TOTAL IN THE AFT	423 FPS
ARCS (TOTAL ABOVE QTY2)	72 FPS
FRCS (ABOVE QTY 1)	27 FPS
AFT QTY 1	81 %
AFT QTY 2	43 %

SYSTEM	FAILURE	IMPACT	WORK AROUND
GNC	(Panel A6U) DAP: FREE pb contact number 3 annunciated fail at H/O attitude control from orbiter to ISS post docking.	None. The pb remains functional with contacts 1 and 2. (3 contact pb)	Possible test during next H/O attitude control from orbiter to ISS. This would clarify if contact is actually failed, or false failed due to partial plunger/contact depression.

ISS TEMP STOW Bag						
Type: Standard			IMS Plan: No			
Note: Gather the following tools and stow in EVA 3 mesh bag.						
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**A/L 1O0_Behind closeout** 1.0 CTB: MWS Hardware, S/N 1013, B/C 002308J	MUT EE [QTY: 2]	SEG33106890-303	**Report**	-	
2		Ball stack	SEG33106870-703	**Report**	-	
Type: Restow			IMS Plan: No			
Note: **Restow** the following from the ISS Temp Stow mesh bag						
3	EVA 3 mesh bag	Square Scoops [QTY: 2]	SEG33106330-301	1002 1004	-	
4	**NOD1S1** Jettison Stowage Bag: For 34P #1	OI WIF Mount cover B	T7-53660-101	-	-	Possibly JLP GPS dovetail cover; may be trashed
5		LTA Mode Plug	NFTCA500161G01		-	WMR: 2009-06-011
6	US trash staging area or restow in wire tie ziplock A/L1O0_Behind Closeout	Long wire tie	SDG33108130-003	-	-	Crew discretion, depending on condition of wire tie
7	**NOD1P4_C1** Misc ext H/W 1.0 CTB: MISC External Hardware, S/N 1445, B/C CTB00135E	JLP GPS cable caps [QTY: 2]	NZGL-PPC-N-25-R	-	-	
8	**JPM1D2_B2** EPS1-4 tray	JLP GPS caps [QTY: 2]	NZGL-RPC-N-25-0-MS	-	-	Place in ziplock labeled “15A GPS Ant”
9	**A/L1D2 behind closeout** 1.0 CTB: EVA Unique	Connector Handle	S22698-006-005	-	-	

	Tools, S/N1022, B/C 002317J					
10	**A/L1O0 behind closeout** 1.0 CTB: EVA Miscellaneous Tools #2, S/N 1161, B/C 004155J	Socket Caddy	SEG33106938-301	**Report**	-	
11	**A/L Deployed** 3.0 CTB: SARJ, S/N 1061, B/C 004246J	SARJ Scraper	SEG33120805-301	1004	-	
12		EVA wipe (if clean)	SED33116397-703	1147	-	
13	**A/L1O0** 1.0 CTB: EVA Miscellaneous Tools #2, S/N 1161, B/C 004155J	Drop Proof Tether Adapter (DPTA)	SEG33106947-301	1014	-	Place all 3 DPTA's (2 in CTB) into a Ziplock bag and label DPTA. Stow ziplock in CTB.
14		Trash Bag Large	SEG33106937-301	1001	-	
15	**A/L 1D2** Tether Staging Area	LDTDT's [QTY: 4]	SEG33113860-301	-	-	

Neil Armstrong Statement on the death of Walter Cronkite

"For a news analyst and reporter of the happenings of the day to be successful, he or she needs three things: accuracy, timeliness, and the trust of the audience. Many are fortunate to have the first two. The trust of the audience must be earned.

"Walter Cronkite seemed to enjoy the highest of ratings. He had a passion for human space exploration, an enthusiasm that was contagious, and the trust of his audience. He will be missed."

Charles Bolden statement on the death of Walter Cronkite

"It is with great sadness that the NASA family learned of Walter Cronkite's passing. He led the transition from print and radio reporting to the juggernaut that became television journalism. His insight and integrity were unparalleled, and his compassion helped America make it through some of the most tragic and trying times of the 20th century.

"From the earliest days of the space program, Walter brought the excitement, the drama and the achievements of space flight directly into our homes. But it was the conquest of the moon in the late 1960s that energized Walter most about exploration. He called it the most important feat of all time and said that the success of Apollo 11 would be remembered 500 years from now as humanity's greatest achievement.

"It was Walter Cronkite's impassioned reporting on America's inaugural moon landing that inspired me to join in the dreams of many to travel to space and accept the risks that this exploration brings while I was a student in naval flight training.

"In honor of his ethical and enthusiastic coverage of our nations' space program, NASA was proud to honor Walter in 2006 with an Ambassador of Exploration Award and presented him with an Apollo lunar sample.

"For decades, we had the privilege of learning about our world from the original 'anchorman.' He was a true gentleman. Our thoughts and prayers are with Walter's family and his millions of friends and supporters."

Transfer Notes

- We just wanted to remind you that we will not be marking the PCS items (Resupply items 50, 50.1, and 50.2) complete until they are transferred back to the ISS. Remember that they are only included on the Resupply list.

The Transfer List Excel file, FD04_Transfer_List_STS127.xls, locations are:

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

FD04 Transfer Choreography (items that should be completed today)

- Resupply Items 13, 26.2, and 28.
- Return Items 402.1 and 402.2.

Please update Transfer List book as follows:

In the **LAYOUTS** tab:

Add the following page:
Layouts-2

In the **RESUPPLY** tab:

Pen & Ink on page Resupply-5:
Item 25 – update notes as follows:
WAS: Transfer prior to GLACIER R&R activity on FD05.
IS: Transfer prior to GLACIER R&R activity on FD**06**.

Pen & Ink on page Resupply-10:
Item 44 – add the following note:
Transfer prior to ISS-PRINTER-R&R on FD06.

In the **RETURN** tab

Pen & Ink on page Return-4:
Item 411.1 – update serial number in item name as follows:
WAS: s/n 1108
IS: s/n 1104

Pen & Ink on page Return-8:
Item 616 – update initial stowage location as follows:
WAS: LAB1O3
IS: JLP1P2_C1

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

- The 2J/A Transfer Team

MSG 026 (20-0492): FD4 Transfer Message

LW MAR
SJD32108929-344

CDR	MARK POLANSKY
PLT	DOUGLAS HURLEY
M/S #1	CHRISTOPHER CASSIDY
M/S #2	JULIE PAYETTE
M/S #3	THOMAS MARSHBURN
M/S #4	DAVID WOLF
M/S #5 (UP)	TIMOTHY KOPRA
M/S #5 (DN)	KOICHI WAKATA

DESCENT MODULAR LOCKER LAYOUT

LEADER:	KRIS ZAPALAC
DATE:	7-16-09
LAUNCH:	NET 7-15-09
FLIGHT	STS-127/ISS-2JA
VEHICLE	OV-105
CREW:	7 PERSONS 15 + 1 + 2 DAYS
RQMTS:	NO RCRS, SLEEPING
	BAGS, EXT A/L, ERGOMETER, RMS, LW MAR

ML60B 6013 -309
PRIME C/L CAM
GFE TV CNTRLR

ML60E 0695 -305
STS1=OCA
STS2=WINDECOM
STS3=KFX
STS5=RPOP
STS6=RPOP2
STS7=WLES
ACCESS PT
ACCESSORIES
T-RAD

ML60M 6014 -312
B/U C/L CAM
LEAK DETECTOR

2

VOL B (MA4D/J) 7436 -319

VOL 3B (MA75J) 7425 -326

1622 -308 PANTRY FOOD | MF57A 1622 -308 PANTRY FOOD | 1622 -302 PANTRY FOOD

MF43C 1382 -301
MF57C 8965 -316
MF71C 1356 -TBD
DOUBLE COLD BAG #708 (s/n 1011)

MIDDECK FORWARD

MF14E 2760 -TBD
EVA WPA SAMPLES #716

MA28E/G 1138 -302
GLACIER #720

MF43E 5473 -305
MF57E 1389 -301
BAG #401 (HCTB)
CDR CLOTH
(1498-301)
MF71E 1903 -305

MF14G 2761 -TBD
EVA WPA SAMPLES #725, #726

MF43G TBD -301
MULTIMETER #723
MF57G 8047 -304
MF71G 1908 -309

MF14H 2763 -304
MF28H 6684 -338
ALTIMETER ON LOCKER DR
MF43H 1902 -308
MF57H 6231 -367
MF71H 1901 -305

MF14K 2764 -306
MF28K 2768 -303
MF43K TBD -301
CREW FEET
MF57K 1358 -TBD
SOMS RESUS
CRW PREF #603(WK)
(0235-305) HCTB (0235-305)
MF71K 1388 -301
BAG 400
CTB (1497-301)

MF14M 2765 -304
MF28M 2762 -307
MF43M 1904 -307
MF57M 3006 -304
MF71M 1372 -302
BAG 410 (HCTB)
(1505-301)

MCIU
PDI

MF14O 2766 -305
MF28O 2767 -304
MF43O 1390 -301
BAG 404
CTB (1499-301)
MF57O TBD -301
BAG 411
CTB (TBD-301)
MF71O 1366 -TBD
MIN. KIT/ SILVER BIOCIDE/SMP PURG/ SALIVA/BLOOD COLLECTION/URN TB ASSY #704
#704.1 & 704.2 CTB

MIDDECK AFT

MA9D 8737 -311
MA16D TBD -TBD
(2) FOAM APP #718

MA9F 8723 -302
MA16F 1139 -302
PCDF-PU #724
ALTIMETER ON LOCKER DR

MA9G 0696 -305
MA16G 6299 -321

6066 -334 MA9J 8719 -309
MA16J 1356 -TBD
DOUBLE COLD BAG #706 (s/n 1003)

5962 -303 MA9L 6269 -309
MA16L 1356 -TBD
DOUBLE COLD BAG #707 (s/n 1006)

MA9N 7432-311
SOFT STWG BAGS

MA16N 6697 -337

A16 7490 -306

A17 7424 -304

VOLUME D (MD52C) 7498 -301
RCC REPAIR
B/U DTV HARDWARE

VOLUME F (MD76M) 1403 -306
WET TRASH

VOLUME G (MD80R) 1800 -346

VOLUME H (MA23R) 8068 -321
EVA ACCESS
⊗EMU SERV. KIT (INBD)
EVA ACCESS (OBD) 8065 -315

4575 -318 WMC (MA82H) 0914 -332

EXT A/L
5557 -334 STBD
2-EMUs
5555 336 PORT
EXT A/L FLOOR 6665 -TBD
MONOBLOCK (#610)
CREW PREF (HCTB) #600
(BAG F) (IELK CUSH)

F

A
MD CEIL (PORT 1) 1364 -TBD
✉RADK #717

E
MD CEIL (PORT 2) 9895 -357
COM PHK
HYGIENE
CLOTHING/NADA
CGSE VLV #609
TORQUE ANLZR #607

G
MD CEIL (STBD 1) 1363 -TBD
LCVG/CCC/MWC/
EMU BATT/HCM/FRED/
CAMERA#705/ GLCR HW#727
CREW PREF (HCTB) #601 (FK)
CREW PREF (HCTB) #602(WK)

H #702
MD CEIL (STBD 2) 1362 -TBD
LWR ARM/LCVG/CC/
DASHPOT #617
ECOK #605 ECOK #604
CTB #405

I #703
MD FLOOR (PORT 2) 1361 -TBD
BAG #402 CTB
BAG #403 CTB
BAG #406 CTB
FN ECOK #606

B #608
MD FLOOR (PORT 1) 1375 -TBD
RFTA (FILLED)- #608

C #700
MD FLOOR (STBD 2) 1359 -TBD
BAG #407 CTB
BAG #408 CTB
BAG #409 HCTB

D #701
MD FLOOR (STBD 1) 1355 -TBD
RFTA (FILLED)- #616

ONLY LOCATIONS THAT CHANGED OR CONTAIN TRANSFER ITEMS ARE SHOWN

*	NOT APPROVED
●	L-24 LATE LOAD
✉	SWAP
⊗	TRANSFER HARDWARE
CTB	CARGO TRANSFER BAG
HCTB	HALF CARGO TRANSFER BAG

NOTE: LOCKER LAYOUTS ARE FOR REFERENCE ONLY & ARE NOT RELEASED DWGS. FOR RELEASED DRAWING, PLEASE REFER TO THE CREW COMPARTMENT CONFIGURATION DRAWING FOR THIS FLIGHT (SGD32104450)

DWG NO. SGD32104450

CCFE: ALAURNA HOOEY
(281) 483-4608

/USR/DWGS/LOCKER/STS-127

Contents:

Timeline Procedures:
EHS-CSA-CP-ACT & C/O
**NITROGEN-XFER-INIT
**EFBM CL DPLY
WRS-CWCI-FILL-PT1
WRS-CWCI-FILL-PT2
**EFBM CURRENT MON
**EFBM OPERATION
**1553 JMPR RCN&CLSOUT
REBA RCHRG-INIT

ESA Timeline Procedures:
DOS-MAIN-S/U
DOS-PASS-S/U

JAXA Timeline Procedures:
None

Tasklist Procedures:
LASER-YLW-TAG-RMV

ESA Tasklist Procedures:
None

JAXA Tasklist Procedures:
None

Timeline Procedures:

EHS-CSA-CP-ACT & C/O						
1.6.000 CSA-CP - ACTIVATION AND CHECKOUT **2.6.040 CSA-CP - SAMPLING PUMP BATTERY CHANGEOUT (referenced from 1.6.000)** **2.5.760 CSA-CP - BATTERY CHANGEOUT (referenced from 1.6.000)** **2.6.120 CSA-CP - ZERO CALIBRATION OF UNITS AND COMPARISON OF VALUES (referenced from 1.6.000)**						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**CM1PO Panel 208 Deployed**	CSA-CP [QTY: 2]	SED46115801-304	1058 1045	00054282J 00054269J	Old Prime and Backup
2	**NOD1S4**	CSA-CP [QTY: 2]	SED46115801-304	1044 1051	00054268J 00054275J	Old Backups
3		CSA-CP Sampling Pump [QTY: 2]	SED46115803-303	1024 1019	BCC00086J -	
4	**NOD2D5** 1.0 CTB: CHeCS/ PHOTO TV, S/N 1029, B/C 002914J (Transfer List Resupply #13)	CSA-CP Assy	SJG46120020-601	1039	-	New CSA-CP S/N 1053 in its Mylar Wrapping.
5		CSA-CP	SED46115801-304	1053	00054277J	
6		CSA-CP Assy	SJG46120020-601	1040	-	New CSA-CP S/N 1055 in its Mylar Wrapping.
7		CSA-CP	SED46115801-304	1055	00054279J	
8		CSA-CP Resupply Kit	SJG46120020-301	1037	00104569J	
9		CSA-CP Assy	SJG46120020-601	1041	-	New CSA-CP S/N 1057 in its Mylar Wrapping.
10		CSA-CP	SED46115801-304	1057	00054281J	
11		CSA-CP Assy	SJG46120020-601	1042	-	New CSA-CP S/N 1060 in its Mylar Wrapping.
12		CSA-CP	SED46115801-304	1060	00054284J	
13		Zero Filter	KLSD210047-301	1014	-	
14		CSA-CP/CDM Battery Pack [QTY: 6]	SED46115802-304	**REPORT**	-	**REPORT** S/Ns to MCC-H.
15	**LAB1S4_C2**	CSA-CP Resupply Kit	SJG46120020-301	1026	00089685J	

Type: Restow			IMS Plan: No			
16	**NOD1S4 Deployed**	CSA-CP [QTY: 2]	SED46115801-304	**REPORT**	**REPORT**	**REPORT** to MCC-H S/Ns of the two units stowed in Node 1.
17	**CM1PO Panel 208 Deployed**	CSA-CP [QTY: 2]	SED46115801-304	**REPORT**	**REPORT**	**REPORT** to MCC-H new Prime S/N and S/N of other unit stowed in the SM.
18	**LAB1S4_C2**	CSA-CP Resupply Kit	SJG46120020-301	1037	00104569J	
19		CSA-CP/CDM Alkaline Battery Pack [QTY: 4]	SED46115802-305	**REPORT**	-	Alkaline batteries removed from new CSA-CPs.
20		CSA-CP/CDM Battery Pack [QTY: 2]	SED46115802-304	1256 1285	-	Lithium battery packs removed from Sampling Pumps
21	**2J/A Transfer List Return #402.1**	CSA-CP [QTY: 2]	SED46115801-304	1045 1058	00054269J 00054282J	Only stow if new units pass c/o.
22	**2J/A Transfer List Return #402.2**	CSA-CP Resupply Kit	SJG46120020-301	1026	00089685J	
23		CSA-CP [QTY: 2]	SED46115801-304	1044 1051	00054268J 00054275J	Only stow if new units pass c/o.

****NITROGEN-XFER-INIT**						
3.102 NITROGEN TRANSFER INITIATION						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1D4_G2** ISS IVA Tool Box: Drawer 3	Inspection Mirror	SKG33117562-923	-	-	
2	**Crew Pref**	Flashlight	-	-	-	
3		Earplugs	-	-	-	
4	**NOD1P4_D**	GN2 Transfer Flex Hose Assy	V857-643003-008	06NT6FL0 376021	-	

****EFBM CL DPLY**						
1.102 ACTIVE EFBM OPS FOR JEF BERTHING						
Type: Standard			**IMS Plan: No**			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1D4_G2** ISS IVA Toolbox Drawer 5	Static Wrist Tether	SKG33117562-335	-	-	

WRS-CWCI-FILL-PT1 **WRS-CWCI-FILL-PT2**						
20-0021 2.913 CWC - Iodine Fill from WPA with WPA H2O Transfer Common Hose						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**Crew Pref**	Towel	-	-	-	
2		Ziplock bags	-	-	-	
3	**JPM1F6_A1** 0.5 CTB: LAB-A/L ISL H/W, S/N 1021, B/C 002861J	6" Velcro Strap	170790	-	-	Inside Ziplock
4	**NOD2O2** M-02 BAG, S/N 1026, B/C 004392J	CWC-Iodine	SEG33120607-301	1012	00095316J	
5		Water Transfer Accessory Kit	SJG33120606-301	1001	00103295J	
5		R/Y QD Adapter	10108-20175-01	-	-	
7	**LAB1O3**	WPA H2O Transfer Common Hose	SEG33119491-301	1002	00071264J	
Type: Restow			IMS Plan: No			
8	**NOD2O2**	CWC-Iodine	SEG33120607-301	1012	00095316J	

**EFBM CURRENT MON						
1.101 EFBM CURRENT MONITOR FOR JEF BERTHING						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**JPM1D7 Deployed**	G1 Camcorder	XH G1	561322000028	HDVCAM02N	Already installed per G1 CAMCORDER-S/U.
2		Multi-Use Bracket	SEG33107631-301	-	-	
3	**NOD1D4_G2** ISS IVA Tool Box: Drawer 2	5/32" Hex Head, 1/4" Drive	SKG33117562-742	-	-	
4		Ratchet, 1/4" Drive	SKG33117562-939	-	-	
5		(5-35 in-lbs) Trq Driver, 1/4" Drive	SEG33117289-301	-	-	
Type: Restow			IMS Plan: No			
6	**NOD1O4_D1** 0.5 CTB: Scopemeter: S/N 1202, B/C 006651J	Scopemeter	SEG39129678-303	-	001662J	
7		Scopemeter Current Probe	SEG39130250-301	1002	-	

**EFBM OPERATION						
1.102 ACTIVE EFBM OPS FOR JEF BERTHING						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1D4_G2** ISS IVA Tool Box: Drawer 2	5/16" Socket, 1/4" Drive	SKG33117562-697	-	-	
2		Ratchet, 1/4" Drive	SKG33117562-939	-	-	
3	**NOD1D4_G2** ISS IVA Tool Box: Drawer 5	Static Wrist Tether	SKG33117562-335	-	-	
4	**JPM1F4** On WS Rack Front Panel	Ziplock Bag “BCDU Caps”	528-50000-2	-	-	Secured by Kapton Tape
5		Plastic Pink Caps [QTY: 2]	-	-	-	
Type: Restow			IMS Plan: No			
6	**JPM1D3**	BCDU	80AS51500-207	001	EBMBCD01N	

7	**Behind Hard Dummy Panel** 2.0 CTB: CTB-J-D2, S/N 1008, B/C 2CTB0003N	BCDU Pwr/Data Cable	80AS51500-213	001	EBMCAB01N	

****1553 JMPR RCN&CLSOUT**						
2.100 JPM TO JEF 1553 JUMPER RECONFIGURATION						
Type: Standard			**IMS Plan: No**			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD1D4_G2** ISS IVA Toolbox Drawer 2	5/32" Hex Head, 1/4" Drive	SKG33117562-742	-	-	
2		Ratchet, 1/4" Drive	SKG33117562-939	-	-	
3		(10-50 in-lbs) Trq Wrench, 1/4" Drive	SEG33112395-301	M206422	-	
4	**NOD1D4_G2** ISS IVA Toolbox Drawer 3	Inspection Mirror	SKG33117562-923	-	-	
5	**NOD1D4_G2** ISS IVA Toolbox Drawer 5	Static Wrist Tether	SKG33117562-335	-	-	

REBA RCHRG-INIT						
1.635 REBA RECHARGE FROM PSA UTILITY OUTLET						
Type: Standard			**IMS Plan: No**			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**A/L** EMU S/N 3003	REBA (Battery) [QTY: 2]	SEG33112213-302	1006	REBA1006J	AFT EDDA (EV1)
2	**A/L** EMU S/N 3005			1009	REBA1009J	FWD EDDA (EV2)
3	**A/L1D0** Behind Closeout	1.0 CTB: BACKUP EVA CHARGERS	SEG33111838-303	1303	010639J	
4		REBA Charger	QC-2002	005	009423J	
5		PSA 28V Utility Adapter	528-21209-2	1004	-	
6		EHIP DC PWR REBA DC EXT Y-Cable	SED39134852-301	1015	-	
7		REBA EXTENSION CABLE	SEG33112216-301	1006	00007190J	Use of cable is crew preference dependent on crew desired location of charger.

ESA Timeline Procedures:

DOS-MAIN-S/U **DOS-PASS-S/U**						
1.001 DOSIS HARDWARE INSTALLATION						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**COL1A3** 0.5 CTB: DOSIS, S/N 1421, B/C CTB00126E (Transfer List Resupply #26.2)	DOSIS Main Box	DOSIS-MAIN-1	001	EPM00272E	
2		DOSIS LAN Cable	DOSIS-LAN-1	0001	EPM00530E	Contained in pocket on right side of main box
3		Passive Detector Pouch	DOSIS-PDP-0	001	EPM00260E	
4		Passive Detector Packs [QTY: 10]	DOSIS-PDP-1	001 thru 010	EPM00262E thru EPM00271E	
5		Triple Detector Pack	DOSIS-PDP-2	001	EPM00261E	
6		16V DOSIS Main Power Cable	DOSIS-MAIN-PW-1	0001	EPM00535E	
7		US DC Power Cable, 25 ft	SEZ39129260-311	6089	EPM00507E	Referred to as “UOP 120V Power Cable Assembly” in the procedure
8		US DC Power Supply (120VDC)	SEG39129272-303	6067	EPM00300E	760XD 120VDC Power Supply, aka. Black Brick
9	**NOD1O4_B1** 0.5 CTB: Office Supply Pantry -3 (Duct Tape), S/N 1178, B/C 009304J	Kapton Tape 1”	528-41353-1	-	-	

None

Tasklist Procedures:

LASER-YLW-TAG-RMV						
1.102 ACTIVE EFBM OPS FOR JEF BERTHING						
Type: Standard			IMS Plan: No			
#	**LOCATION**	**ITEM NAME**	**P/N**	**S/N**	**B/C**	**Notes**
1	**NOD2O5_C1** 0.5 CTB: Barratt Crew Preference, S/N 1353, B/C 010534J	Green Laser Pointer [QTY: 2]	SEG33121108-301	1001 1002	-	

31

ESA Tasklist Procedures:
None

JAXA Tasklist Procedures:
None

CWC-I FILLS

	CWC-I No.	Record S/N Used	Sample Kit Ref: Kit Table	CWC-I Launch Location
☐	1		S/N 1001 (Note A)	In MDDK FLOOR, STBD 2 (Bag D);
☐	2		S/N 1001 (Note A)	Available S/Ns:
☐	3		S/N 1001 (Note A)	2027 ☐ 2030 ☐
☐	4		S/N 1001 (Note A)	
☐	5		S/N 1001 (Note A)	In MDDK CEIL, STBD 1 (Bag G)
☐	6		S/N 1001 (Note A)	Available S/Ns:
☐	7		S/N 1001 (Note A)	2007 ☐ 2024 ☐
☐	8		S/N 1001 (Note A)	2025 ☐ 2026 ☐
☐	9		S/N 1001 (Note A)	2029 ☐ 2033 ☐
☐	10		S/N 1001 (Note A)	2036 ☐ 2037 ☐

CWC-I Fill Notes:

A. Stow filled sample bags and purge bag (CWC-I Fill Assembly purged only once during the flight) in MF71O.
B. Rough handling may cause leakage.
C. Fill each CWC-I for 10 min or Term CWC-I Fill on MCC call.

Pre-Fill Checklist:

- Disinfect CWC-I QD and CWC-I Fill Assembly (Y-Y hose) QD
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐

Post-Fill Checklist:

- Take Sample, filling Sample Bag nearly full
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐
- Verify purple label is in all 3 CWC-I windows
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐
- Report S/N to MCC
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐
- Transfer CWC-I to NOD2O2
  1☐ 2☐ 3☐ 4☐ 5☐ 6☐ 7☐ 8☐ 9☐ 10☐
- Cap CWC-I Fill Assembly (Y-Y hose) QD between each fill

Kit Table

Kit	S/N	Stowage Location	Undock Location
Sample/Purge Kit	1001	MF71O	MF71O

FINAL