

STS-115/12A

FD 08 Execute Package



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093	---	12A SODF Transfer List (pdf - Electronic Only)
094	---	FD07 MMT Summary (pdf - Electronic Only)

Approved by FAO: *M. Scheib*

Last Updated: Sep 16 2006 4:22AM GMT

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

NO PRCS

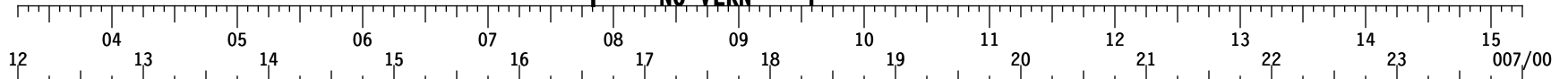
NO VERN

09/15/06 22:01:13

REPLANNED

FD08

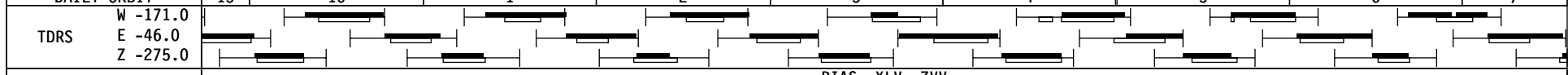
GMT 09/16/06 (259)



S T S - 1 1 5	CDR JETT	SLEEP	POST SLEEP	EXERCISE	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF	N 2 *	PE AV EO NT	02 RECONFIG TO XFER	02 *	PTV08 EXT OPS
	PLT FERGUSON	SLEEP	POST SLEEP	I O L F U M	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF	SPEED BRAKE	PWR FILL #4	C I W N C I # 9	EXER	
	MS1/EV1 TANNER	SLEEP	POST SLEEP	PAO S/U	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF	P/TV 08 S/U	PE AV EO NT	EVA PREP FOR XFER		
	MS2/EV3 BURBANK	SLEEP	POST SLEEP	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF		PE AV EO NT	EXERCISE	XFER OPS		
	MS3/EV2 PIPER	SLEEP	POST SLEEP	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF	R R E M B V A L	PE AV EO NT	EVA PREP FOR XFER			
	MS4/EV4 MACLEAN	SLEEP	POST SLEEP	OFF DUTY					MEAL	CP RH EO WT O	CREW CONF	R R E M B V A L	PE AV EO NT	XFER OPS			

I S S	ISS CDR	SLEEP - ISS	PS	M O - 9	POSTSLEEP	DPC PREP WORK	ЭП11 FAM	TKГ 21 ACT	ССВП Б3В RMV	СМ TKГ CL	Г 21 ССАТ ЛЮКИ ЛКСК	ЭП11 FAM	TVIS	MIDDAY-MEAL	CP RH EO WT O	CREW CONF	ГПЭ CONF	DPRT PREP	STOW СПУСК CONF		
	FE-1	SLEEP - ISS	PS	M O - 9	POSTSLEEP	DPC PREP WORK	ГПЭ-ЭП11-FAM		ГПЭ CONF		PMC		RED	MIDDAY-MEAL	CP RH EO WT O	CREW CONF	M T X - T		02 RECONFIG TO XFER	02 *	TVIS
	FE-2	SLEEP - ISS	PS	M O - 9	PS	DPC PREP WORK	ГПЭ-ЭП11-FAM		ГПЭ CONF			RED	IMS EDIT	COX MNT	MIDDAY-MEAL	CP RH EO WT O	CREW CONF	M T X - T		XFER OPS	

DAY/NIGHT	[Pattern]										
ORBIT	103	104	105	106	107	108	109	110	111		
DAILY ORBIT	15	16	1	2	3	4	5	6	7		



*П39-M0-9-CLSOUT

*REPRESS INIT *INIT @PREP WORK

NOTES

FD08

GMT 09/16/06 (259)

MET Day 007

		16		17		18		19		20		21		22		23		09/17		01		02		03	
		01		02		03		04		05		06		07		08		09		10		11		12	
S T S - 1 1 5	CDR JETT		CT WE CR M	C I W N C I T O	PMC OCA	PRE SLEEP	CT WE CR M	CWC XFER (2)	PRE SLEEP	PFC OCA	PRE SLEEP		SLEEP												
	PLT FERGUSON	EXER	XFER OPS		PX FER R	I O L N L U M	PRE SLEEP		N 2 *	PRE SLEEP	PFC OCA	PRE SLEEP	SLEEP												
	MS1/EV1 TANNER	*	PRE UNDK EVA *XFER		F5 EVA CAMR STOW	EXERCISE		PRE SLEEP		PFC OCA	PRE SLEEP		SLEEP												
	MS2/EV3 BURBANK	XFER OPS			B S A - T	P S R L E E P	PFC A/G	PRE SLEEP					SLEEP												
	MS3/EV2 PIPER	⊕	PRE UNDK EVA *XFER		EXERCISE		X T B R F A I R R U L E P I F	PFC OCA	PRE SLEEP					SLEEP											
	MS4/EV4 MACLEAN	EXERCISE		XFER OPS		B S A - T	PFC OCA	PRE SLEEP					SLEEP												
I S S	ISS CDR	PREP WORK		TVIS		PS	DPC	PRESLEEP-ISS					SLEEP - ISS												
	FE-1	TVIS		DEFIB C/O	PS	♦	POEMS SMPL RMV	⊕	DPC	PRESLEEP-ISS					SLEEP - ISS										
	FE-2	PREP WORK	CEVIS		PREP WORK	X T B R F A I R R U L E P I F	PS	DPC	PRESLEEP-ISS		HMS PFC	PRE SLP ISS	SLEEP - ISS												
DAY/NIGHT		ORBIT		DAILY ORBIT		WDRS		ORB ATT																	
		111	112		113		114		115		116		117		118		119								
		7	8		9		10		11		12		13		14		15								
		W -171.0		E -46.0		Z -275.0																			
		BIAS -XLV -ZVV																							
NOTES		♦EVA PREP FOR XFER		♦TKI-TB-D/L		*REPRESS TERM		ISS EXTERNAL SURVEY																	
		⊕EVA PREP FOR XFER		⊕CMS-EXER FILE-DWNLD																					
		*EMUs to Shuttle																							

MSG 084A - FD08 FLIGHT PLAN REVISION

1 MSG INDEX

2

3 MSG NO.

TITLE

4	71	12A EVA Tool Restow
5	84	FD08 Flight Plan Revision
6	85	FD08 Mission Summary
7	86	FD08 Summary Timeline
8	87	FD08 Transfer Message
9	88	FD08 Water Summary Message
10	89	Atlantis PAO Event W/CBS, NBC, and ABC
11	90	Atlantis/ISS Joint Crew News Conference
12	91	Updates to Pre-Undock EVA Reconfig and Xfer
13	92	External Airlock Return Bag Change
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15	94	FD07 MMT Summary

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- 18 1. Please configure the cryo system as follows for post-sleep:

19

20 **R1 CRYO O2,H2 MANF VLV TK2 (two) - OP (tb-OP)**

21

22 **A15 CRYO TK5 HTRS H2 A,B (two) - AUTO**

23

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

25

- 26 2. MT translation to WS8 and worksite checkout were nominal. We confirmed both the
27 mechanical and electrical connectivity at WS8. It's ready for 12A.1. The MT is now
28 latched and mated at WS4.

29

- 30 3. There will be a post-sleep and pre-sleep LiOH change out today. Replace today's LiOH
31 CC changeouts with the following:

32

FLIGHT DAY	POS A	POS B	CK CMLPT
POST FD08	STS-115 13	"	
PRE FD08	"	STS-115 14	

34

35 Transfer of LiOH cans from the ISS stockpile to the Shuttle will be required prior to
36 undocking. The transfer list will be updated with this plan. Additionally, a new LiOH CC
37 will be uplinked on FD9.

38

- 39 4. Dan, MSG 093 (not printed onboard) is being provided for your reference during the EZ
40 Block for FINAL SODF TRANSFER VERIFICATION. This message shows all of
41 the SODF that should have been transferred to ISS. Any SODF books or cue cards not
42 on the message should not be left aboard ISS.

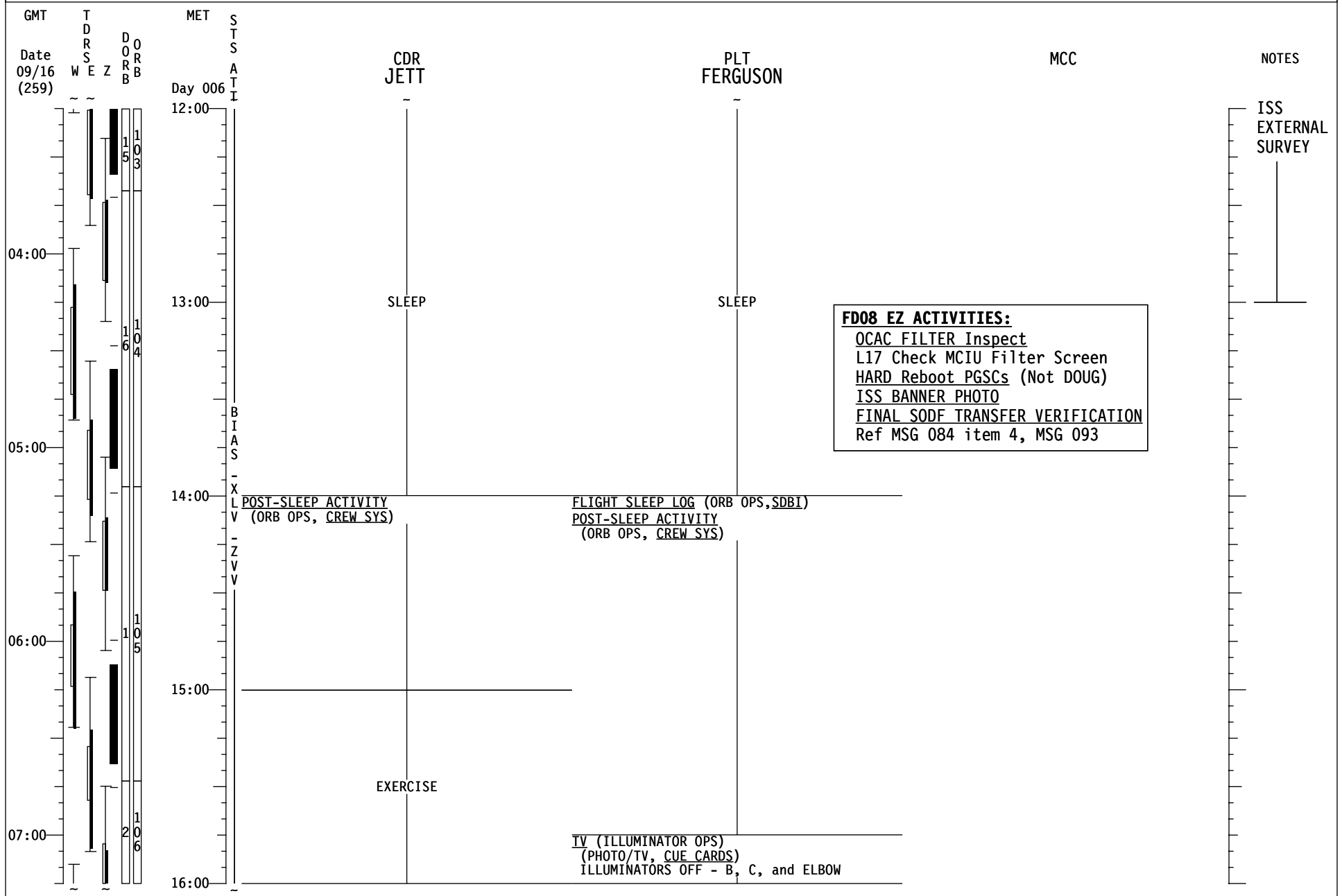
43

- 44 5. Since the EVA 2 crewmembers demonstrated overpowering strength on the 6B launch
45 constraint a concern has been raised that the 9 inch rigid socket may have some
46 damage and need to be returned. We would like you to inspect the socket head for any
47 deformation or damage caused by the event. Use your judgment on the acceptability of
48 the leaving the socket on ISS and let us know what you find.

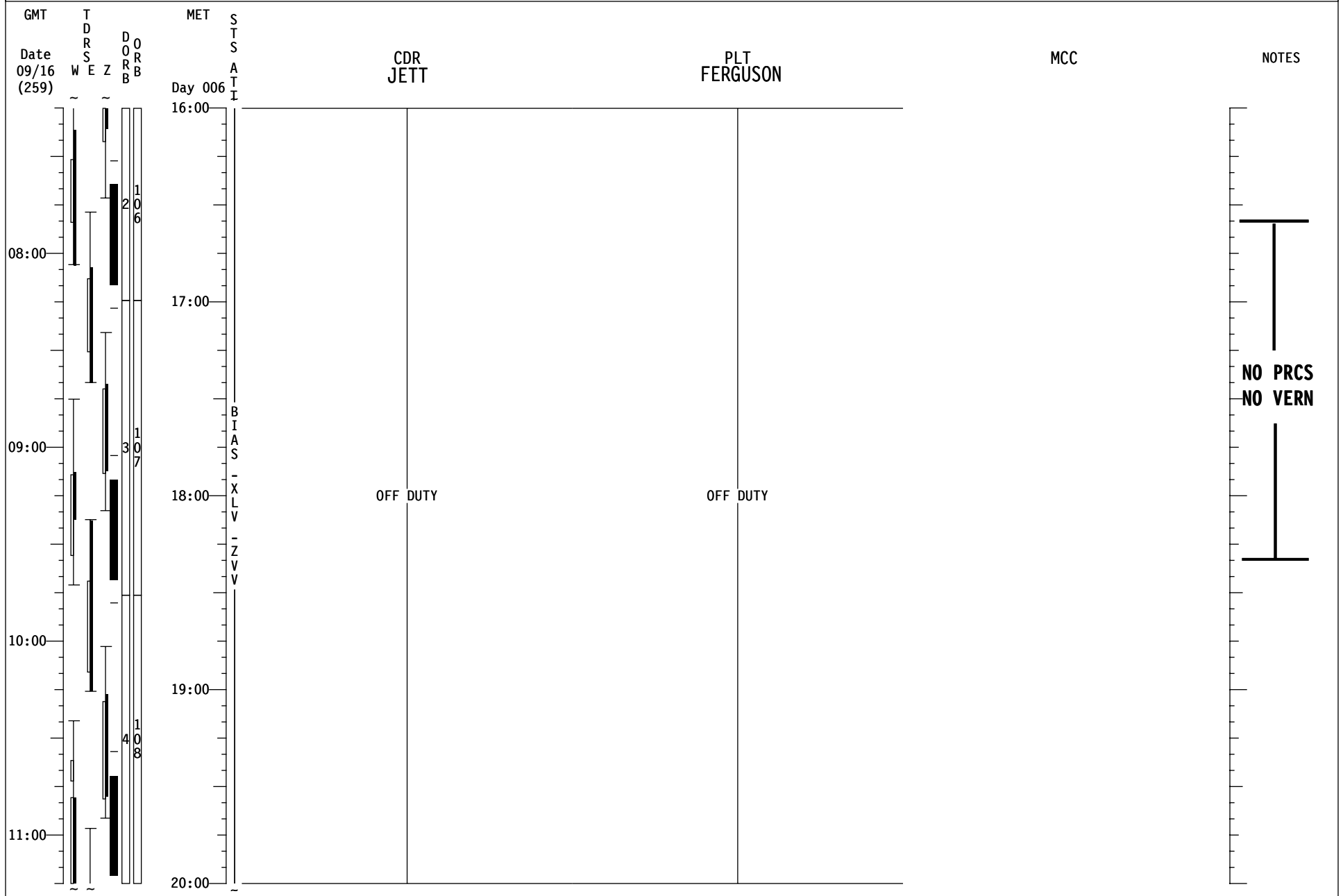
MSG 084A - FD08 FLIGHT PLAN REVISION

- 1 6. Regarding the Crew News Conference at MET: 6/21:20, the teams here worked really
2 hard, but were unable to find sufficient KU time to do this via station assets, and so we
3 will need to execute this event on the shuttle mid-deck. We appreciate this will be a tight
4 squeeze for all of you, so we apologize in advance for the inconvenience. The good
5 news – you'll be setting a new record for number of Crew News Conference participants.
6 The existing record is by STS-61A which had 8 participants.
7
- 8 7. Joe and Heidi, we do not expect you to perform the post 12A EVA tool stow today.
9 However, if while you are in the airlock packing and transferring the EMUs you decide to
10 work ahead, ref MSG 071 (13-1226) for tool stow locations. This will prevent additional
11 work later by the increment crew. As a note, this task is hard scheduled on GMT 266
12 during the Soyuz docked mission.
13
- 14 8. Today the ISS crew will be performing the Progress 21P docking clamp uninstall, hatch
15 closure, and leak check activities (starting at MET 6/16:30). All Orbiter and ISS thruster
16 firings are prohibited during this activity. In the event of a loss of attitude control, the
17 mated stack will remain in free drift until the leak check as been completed. After the
18 leak check has been performed, MCC-H will have the Shuttle resume attitude control
19 and return to the mated TEA.
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- 21 9. REPLACE PAGES 3-80 THROUGH 3-89.
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STS-115 (FD08)



STS-115 (FD08)



STS-115 (FD08)

GMT	TDRS W E Z	DORB	MET	STS A T I	CDR JETT	PLT FERGUSON	MCC	NOTES
Date 09/16 (259)			Day 006					
12:00		109			MEAL	MEAL		
13:00		59			CREW PHOTO	CREW PHOTO		
					CREW CONFERENCE KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090	CREW CONFERENCE KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090		
14:00		110			X N2 REPRESS USING PL N2 (Init) L (ORB OPS, ECLS) Steps 2-5 V Work steps in ()	014,015,016 ASA 1,2,4 - ON G2 TO G8 TRANSITION(ORB OPS, DPS) Omit Step 3 G8 TO G2 TRANSITION(ORB OPS, DPS) Omit Step 1 014,015,016 ASA 1,2,4 - OFF		
					PUBLIC AFFAIRS EVENT KU AVAIL: 22:21-22:35 TDRZ Ref MSG 089			
					JOINT OPS: 3.123 O2 TRANSFER SETUP (POST PREBREATHE USING SHUTTLE O2) Ref. Transfer List Item #8	PWR FILL (ORB OPS, ECLS) Init Fill #4 Ref MSG 088 Fill S/N 1011		
15:00		111			JOINT OPS: 3.116 HIGH PRESSURE TANK O2 TRANSFER (Init) Step 2 P/TV08 EXTERNAL SURVEY (PHOTO/TV, SCENES) Ops	√ PWR fill complete before CWC fill SHUTTLE/ISS H2O CNTR FILL (Init #9) (ORB OPS, ECLS) Ref MSG 088 EXERCISE		
00:00		111						

STS-115 (FD08)

GMT	T D R S E Z	D O R B	MET	S T S	MS1/EV1	MS2/EV3	MS3/EV2	MS4/EV4	NOTES
Date 09/16 (259)	W	59	Day 006	A T T I	TANNER	BURBANK	PIPER	MACLEAN	
20:00					MEAL	MEAL	MEAL	MEAL	
21:00					CREW PHOTO	CREW PHOTO	CREW PHOTO	CREW PHOTO	
13:00				B I A S	<u>CREW CONFERENCE</u> KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090	<u>CREW CONFERENCE</u> KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090	<u>CREW CONFERENCE</u> KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090	<u>CREW CONFERENCE</u> KU AVAIL: 21:14-21:36, TDRW KU AVAIL: 21:39-22:01, TDRE Ref MSG 090	
22:00				X P L V	<u>P/TV08 EXTERNAL SURVEY</u> (PHOTO/TV, SCENES) Setup		<u>ISS EVA SYS: 1.307 REBA INSTL</u> RMVL Steps 12-18 Remove REBAs for STS EMUs, stow in M02 bag.	<u>ISS EVA SYS: 1.307 REBA INSTL</u> RMVL Steps 12-18 Remove REBAs for STS EMUs, stow in M02 bag.	
14:00				Z V V	<u>PUBLIC AFFAIRS EVENT</u> KU AVAIL: 22:21-22:35, TDRZ Ref MSG 089	<u>PUBLIC AFFAIRS EVENT</u> KU AVAIL: 22:21-22:35, TDRZ Ref MSG 089	<u>PUBLIC AFFAIRS EVENT</u> KU AVAIL: 22:21-22:35, TDRZ Ref MSG 089	<u>PUBLIC AFFAIRS EVENT</u> KU AVAIL: 22:21-22:35, TDRZ Ref MSG 089	
					<u>EVA PREP FOR TRANSFER TO STS</u> (EVA, AIRLOCK CONFIG) Ref MSG 091		<u>EVA PREP FOR TRANSFER TO STS</u> (EVA, AIRLOCK CONFIG) Ref MSG 091	<u>TRANSFER OPS</u> Ref. Transfer List & MSG 087	
23:00						EXERCISE			
15:00						<u>TRANSFER OPS</u> Ref. Transfer List & MSG 087			
00:00									

STS-115 (FD08)

GMT	T D R S E Z	D O R B	MET	S T S	CDR	PLT	MCC	NOTES
Date	W	7	Day	A	JETT	FERGUSON		
(259)			007	T				
00:00		111				EXERCISE		
						<u>TRANSFER OPS</u> Ref. Transfer List & MSG 087		
						<u>SHUTTLE/ISS H2O CNTR FILL</u> (ORB OPS, ECLS) Terminate CWC fill		
16:00						<u>SHUTTLE/ISS H2O CNTR FILL (Init #10)</u> (ORB OPS, ECLS) Ref MSG 088		
						<u>NETMEETING VIDEO CONFERENCING (PMC)</u> (ORB OPS, PGSC) [A] KU AVAIL: 01:00-01:23, TDRE		OCA-PMC
		812				<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
17:00						<u>PWR TRANSFER</u> Transfer 1 PWR bag to ISS. Ref MSG 088		
						<u>TV (ILLUMINATOR OPS)</u> (PHOTO/TV, CUE CARDS) ILLUMINATORS ON - B and C		
						<u>SHUTTLE/ISS H2O CNTR FILL</u> (ORB OPS, ECLS) Terminate CWC fill		
						<u>Z CWC TRANSFER</u> V Transfer 2 CWC bags to ISS. V Ref MSG 088		
18:00						<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
		913				<u>NETMEETING VIDEO CONF (PFC)</u> (ORB OPS, PGSC) [A] KU AVAIL: 03:15-03:33, TDRZ		OCA-PFC
						<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
						<u>TERM N2 REPRESS</u> MO10W 14.7 CAB REG INLET SYS 2 v1v - CL L2 N2 SYS 2 REG INLET - OP (tb-OP)		
19:00						<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
		114						
04:00								

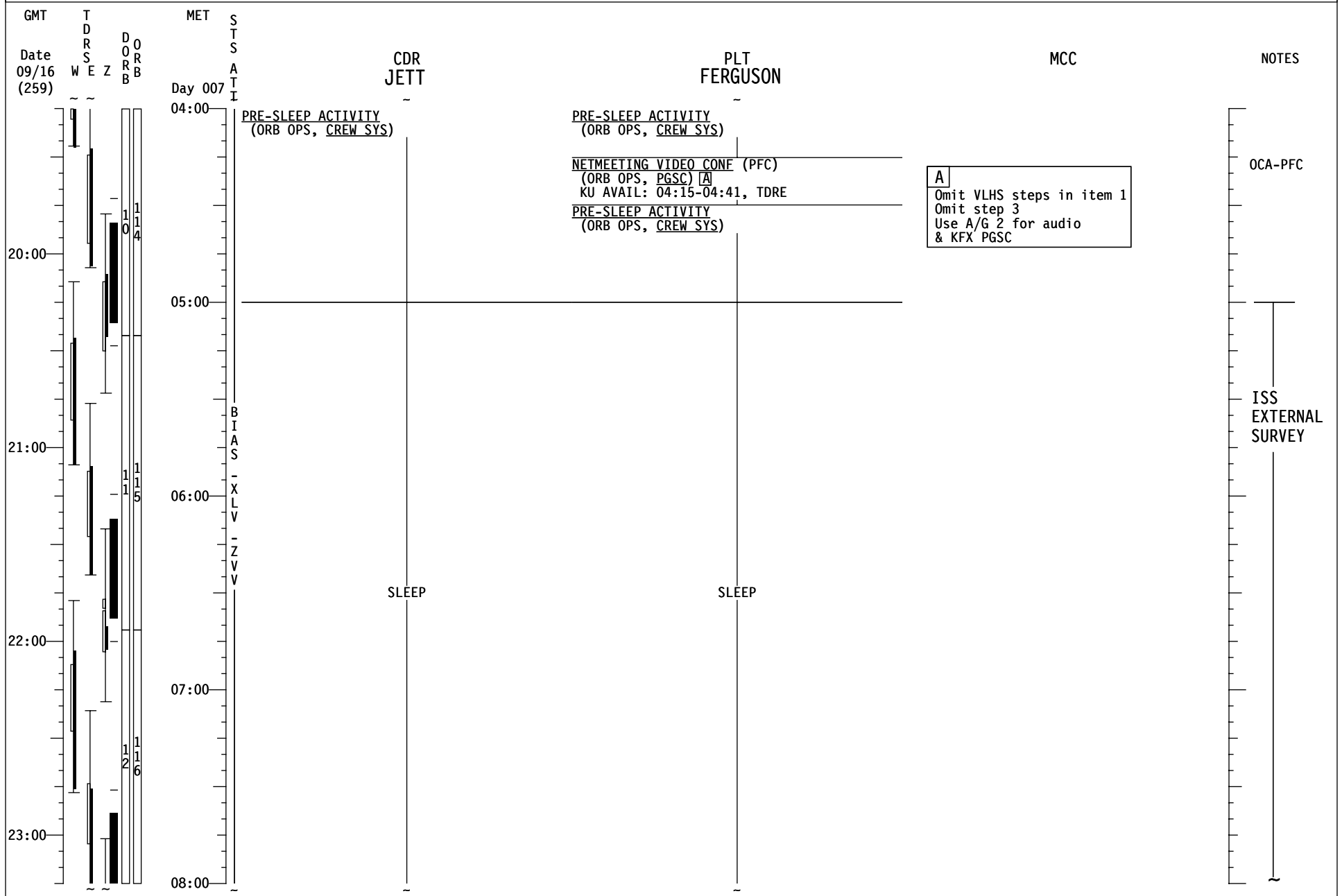
A
Omit VLHS steps in item 1
Omit step 3
Use A/G 2 for audio
& KFX PGSC

STS-115 (FD08)

GMT	TDRS WSEZ	DORB	MET	STS ATTI	MS1/EV1 TANNER	MS2/EV3 BURBANK	MS3/EV2 PIPER	MS4/EV4 MACLEAN	NOTES
Date 09/16 (259)			Day 007						
00:00		111			<u>EVA PREP FOR TRANSFER TO STS</u> (EVA, AIRLOCK CONFIG) Ref MSG 091	<u>TRANSFER OPS</u> Ref. Transfer List & MSG 087	<u>EVA PREP FOR TRANSFER TO STS</u> (EVA, AIRLOCK CONFIG) Ref MSG 091		
		711			<u>PRE-UNDOCKING EVA TRANSFER</u> (EVA, AIRLOCK CONFIG)		<u>PRE-UNDOCKING EVA TRANSFER</u> (EVA, AIRLOCK CONFIG)		EMUs Transfer to Shuttle
16:00								EXERCISE	
01:00								<u>TRANSFER OPS</u> Ref. Transfer List & MSG 087	
		812			<u>F5 EVA CAMERA</u> Thermal cover remove, manually rewind film slowly, remove, mark, stow camera, return film to shuttle.				
17:00							EXERCISE		
02:00						<u>ISS EVA SYS: 1.605 BSA BATTERY RECHARGE</u> (Terminate) Steps 15-24		<u>ISS EVA SYS: 1.605 BSA BATTERY RECHARGE</u> (Terminate) Steps 15-24	
					EXERCISE	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		<u>NETMEETING VIDEO CONF</u> (PFC) (ORB OPS, PGSC) [A] KU AVAIL: 02:02-02:29, TDRW	OCA-PFC
						<u>PRIVATE FAMILY CONFERENCE</u> S-BD AVAIL: 02:06-02:35, TDRW	<u>TRANSFER TAGUP</u> Coordinate with transfer counterpart	<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	A/G-PFC
18:00						<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)	<u>TRANSFER BRIEF</u> Call down status to MCC		
		913					<u>NETMEETING VIDEO CONF</u> (PFC) (ORB OPS, PGSC) [A] KU AVAIL: 02:37-03:04, TDRE		OCA-PFC
03:00							<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)		
19:00		114			<u>NETMEETING VIDEO CONF</u> (PFC) (ORB OPS, PGSC) [A] KU AVAIL: 03:36-04:03, TDRW				
					<u>PRE-SLEEP ACTIVITY</u> (ORB OPS, CREW SYS)				
04:00									

A
Omit VLHS steps in item 1
Omit step 3
Use A/G 2 for audio & KFX PGSC

STS-115 (FD08)



MSG 085 (13-1236) - FD08 MISSION SUMMARY

Page 1 of 2

1 Good morning Atlantis!

2

3 Our sincere compliments for one more outstanding EVA yesterday! We all are very proud to
4 be on your team, down here you see only smiling faces! We hope you got a good night's
5 rest and wish you an enjoyable off duty time at the windows!

6

7 YOUR CURRENT ORBIT IS: 190 X 181 NM

8

9 NOTAMS:

10

11 EDWARDS (EDW) – 15/33 ELS ONLY – 18L CLOSED

12 WHITE SANDS (NOR) – RED

13 AMBERLY (AMB) - CLOSED

14 ANDERSEN (GUA) - 06L/24R CLOSED, ALTERNATE 06R/24L

15 ANDERSEN BACKUP (UNZ CH 100) VORTAC FREQUENCY CHANGED TO CH 105

16 HALIFAX (CYHZ) – RUNWAY14/32 CLOSED 14-15 SEP

17 ISTRES (FMI) - RUNWAY 33 DISTANCE MARKERS @ 300, 600, 900M

18 LAJES (LAJ) RWY 33 EXTREME CAUTION DUE TO LOOSE ASPHALT 210 AND 400 FT

19 FROM THRESHOLD

20 LAJES TACAN (LAJ) CH 45 OUT OF SERVICE

21 ORMOND BEACH (OMN) CH 73 AZIMUTH OUT OF SERVICE

22 RIO GALLEGOS (AWG) - NOT APPROVED

23 SALISBURY (SBY CH 49) OUT OF SERVICE (PRIME TACAN FOR WALLOPS)

24 STEPHENVILLE (YJT CH 78) OUT OF SERVICE

25 WAKE ISLAND (WAK) - CLOSED

26 WAKE ISLAND (AWK) CH 82 OUT OF SERVICE

27 WILMINGTON (ILM) - CLOSED

28

29 NEXT 2 PLS OPPORTUNITIES:

30

31 EDW22 ORB 110 – 6/22:24 (SKC, 360@05P07, AFTER 17Z: 040@07P10)

32 KSC15 ORB 124 – 7/19:42 (FEW020 FEW080, 040@05P07)

33

34 OMS TANK FAIL CAPABILITY:

35

36 L OMS FAILS: YES (SHALLOW TARGETS)

37 R OMS FAILS: NO

38

39 LEAKING OMS PRPLT BURN:

40

41 L OMS LEAK: BURN OUT-OF-PLANE AN+66 <= TIG <= AN+32

42 OTHERWISE BURN RETRO

43 R OMS LEAK: ALWAYS BURN RETRO

44

45 OMS QUANTITIES(%)

46

47 L OMS OX = 33.5 R OMS OX = 33.0

48 FU = 34.5 FU = 33.7

49

50 SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

51

MSG 085 (13-1236) - FD08 MISSION SUMMARY

Page 2 of 2

1 DELTA V AVAILABLE:

2

3 OMS 344 FPS

4 ARCS (TOTAL ABOVE QTY1) 36 FPS

5 TOTAL IN THE AFT 380 FPS

6

7 ARCS (TOTAL ABOVE QTY2) 70 FPS

8 FRCS (ABOVE QTY 1) 56 FPS

9

10 AFT QTY 1 90 %

11 AFT QTY 2 52 %

12

13

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

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13-1226: Stowage Matrix for 12A Tool Restow

OVERVIEW: This activity will restow all of the EVA tools used during the 12A EVAs. The tethers are referenced in this message, but with all of the moving around between EVAs the current location callouts may not be accurate. For ALL of the RETs and Tethers that you find during this activity stow them at tether staging area. Please add any comments to the notes section, especially if you would like to report that a location is overfull. There is an IMS plan available for the required IMS updates, or report any deltas to the ground and we'll make the updates for you. **REPORT** requested information in NOTES field to MCC-H.

IMS PLAN:

EVA Tool Restow Table

To execute an IMS plan:

- 1) Select the 'Plan' tab in IMS.
- 2) Select the appropriate plan listed above. Select the check box for the items in the plan that you moved. Click 'Approve'. This will move the items to their final location per the plan.

TABLE A: REMOVE the following items from EV1:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
1		EV1	MWS Baseplate [P/N SEG33110490-303]	1	1007	A/L10	
2			MWS T-Bar [P/N SEG33110493-305]	1	1031		
3			Swing Arm Assy, RH [P/N SEG33110491-307]	1	1003		
4			Body Restraint Tether [P/N SEG33110400-307]	1	1009		
5			Adj. equipment tethers (sm-sm) [P/N SEG33106164-381]	2	1012	A/L1D2 Tether Staging Area	
6			Eq Hk RET w/ PIP-pin [P/N SEG33106164-383]	1	4078		

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
7		EV1	Eq Hk RET [P/N SEG33106164-381]	1	4072	A/L1D2 Tether Staging Area	
8			Eq Hk RET [P/N SEG33106164-381]	1	4269		
9			TETHER EXTENSION ASSEMBLY AKA D-Ring Extender [P/N SEG33112321-701]	1	1004		
10			Waist Tether [P/N SEG33106943-305]	1	1060		
11			Wire Ties (16") [P/N SDG33108130-001]	4	-	A/L100 (Mesh Bag)	Crew Pref to discard. STOW the ones that you are going to keep at: A/L100 (Mesh Bag) REPORT the QTY that is restowed to MCC-H.
12			EVA Trash Bag [P/N 10165-10065-03]	1	1017	A/L1D0 1.0 CTB: EVA misc Tools, S/N 1033, B/C 002918J	
13			PGT [P/N GE1557000]	1	1003	A/L101 1.0 CTB: PGT HARDWARE, S/N 1161, B/C 004155J	
14			PGT Battery [P/N SEG33110979-305]	1	-	A/L101 M-02 Bag S/N 1038, B/C 003019J	
15		7/16" EVA Socket, 3/8" Drive (6-IN. WOBBLE) [P/N SEG33106931-301]	1	1009	A/L1 Crewlock Crewlock EVA BAG #3 (Forward Nadir)		

TABLE B: REMOVE the following items from EV2:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
16		EV2	MWS Baseplate [P/N SEG33110490-303]	1	1023	A/L10	
17			MWS T-Bar [P/N SEG33110493-305]	1	1030		
18			Swing Arm Assy, RH [P/N SEG33110491-307]	1	1004		
19			Body Restraint Tether [P/N SEG33110400-307]	1	1001		
20			Eq Hk RET w/ PIP-pin (Sm-Sm) [P/N SEG33106164-383]	1	4054	A/L1D2 Tether Staging Area	
21			Eq Hk RET w/ PIP-pin (Sm-Sm) [P/N SEG33106164-383]	1	4174		
22			Eq Hk RET [P/N SEG33106164-381]	1	4172		
23			Eq Hk RET [P/N SEG33106164-381]	1	4173		
24			Eq Hk RET [P/N SEG33106164-381]	1	4270		
25			Tether Extender AKA D-Ring Extender [P/N SEG33112321-701]	1	1002		
26			Waist Tether [P/N SEG33106943-305]	1	1036		
27			Adj. equipment tethers (sm-sm) [P/N SEG33106164-381]	2	1040 1006		
28			PGT [P/N GE1557000]	1	1006		A/L1O1 1.0 CTB: PGT HARDWARE, S/N 1161, B/C 004155J

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
29		EV2	PGT Battery [P/N SEG33110979-305]	1	-	A/L1O1 M-02 Bag S/N 1038, B/C 003019J	
30			7/16" EVA Socket, 3/8" Drive (6-Wobble) [P/N SEG33106931-301]	1	1007	A/L1 Crewlock Crewlock EVA BAG #3 (Forward Nadir)	
31			Wire Ties (16") [P/N SDG33108130-001]	3	-	A/L1O0 (Mesh Bag)	Crew Pref to discard. STOW the ones that you are going to keep at: A/L1O0 (Mesh Bag) REPORT the QTY that is restowed to MCC-H.
32			EVA Trash Bag [P/N 10165-10065-03]	1	1013	A/L1D0 1.0 CTB: EVA misc Tools, S/N 1033, B/C 002918J	

TABLE C: REMOVE/CONFIRM the following items from the Staging Bag – Upper Half Moon Bag:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
33		A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)	PGT [P/N GE1557000]	1	1007	A/L101 1.0 CTB: PGT HARDWARE, S/N 1161, B/C 004155J	
34			PGT Battery [P/N SEG33110979-305]	1	-	A/L101 M-02 Bag S/N 1038, B/C 003019J	
35		A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)	Adjustable Fuse Tether AKA Fish stringer [P/N SED39127200-705]	1	1032	A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)	Confirm location. REPORT discrepancies to MCC-H.
36			Wire Tie Caddy Assy [P/N SEG33111586-301]	1	1003		
37			Connector Cleaner Tool Kit [P/N SJG33111630-301]	1	1010		
38			Pin Straightener Assy [P/N SEG33106913-301]	1	001948J/ 1001		
39			PROBE [P/N SEG33106923-701]	1	1001		
40			MODULAR MWS KEY STRAP ASSEMBLY [P/N SEG33110812-301]	1	00008653J/ 1008		
41			Pry Bar [P/N SDG33106924-001]	1	00001199J/ 1004		
42			3" Scraper [P/N SED33117195-301]	1	1003		
43			Worksite Interface Adapter [P/N SEG33106863-309]	1	1013		
44			Right Angle Drive [P/N SEG33106925-305]	1	1009		
45		7/16" Rigid Socket 2" Ext [P/N SEG33106930-301]	1	1006			

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
46		A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)	LOCKING STRUT AID ASSEMBLY [P/N SEG33113158-301]	4	-	A/L1D2 1.0 CTB: Unique EVA Tools, S/N 1022, B/C 002317J	
47			BRS Tool [P/N SEG33113644-307]	1	1007		
48			ISS GP Caddy [P/N SEG33113531-301]	1	1003		
49			SSAS - EVA BOLTS [P/N 1F80666-1]	4	-		
50			ISS GP Caddy [P/N SEG33113531-301]	1	1009		
51			SSAS - EVA BOLTS [P/N 1F80666-1]	4	-		

TABLE D: REMOVE the following items from the P3 Medium ORU Bag:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
52		A/L Crewlock P3 Medium ORU Bag	Adjustable Fuse Tether AKA Fish stringer [P/N SED39127200-705]	1	1008	A/L1 Crewlock Crewlock EVA BAG #3 (Forward Nadir)	
53			EVA Ratchet [P/N SEG33106927-303]	1	1016		
54			Adj. equipment tethers (sm-sm) [P/N SEG33106164-381]	1	-	A/L1D2 Tether Staging Area	
55			Vise Grip Pliers [P/N SEG33106922-301]	1	1001	A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)	

ITEM #	√	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
56		A/L Crewlock P3 Medium ORU Bag	Medium ORU Bag (w/internal loops) [P/N SEG33114494-309]	1	-	A/L100 (behind soft closeout)	This bag should now be empty. IF not REPORT to MCC-H. STOW inside the other ORU Transfer Bags (once they are empty).

TABLE E: REMOVE the following items from the S1 Large ORU Bag:

ITEM #	√	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
57		A/L Crewlock S1 Large ORU Bag	Eq Hk RET (Sm-Sm) [P/N SEG33106164-381]	2	4261 4083	A/L1D2 Tether Staging Area	
58			Adj. equipment tethers (sm-sm) [P/N SEG33106164-381]	1	-		
59		A/L Crewlock S1 Large ORU Bag	Lg-Eq RET (Lg-Sm) [P/N SEG33106164-385]	1	4175		
60			MUT END EFFECTOR ASSY [P/N SEG33106890-303]	1	1003	A/L100 1.0 CTB: MUT AND MWS PARTS, S/N 1013, B/C 002308J	
61			MUT END EFFECTOR ASSY [P/N SEG33106890-303]	1	00003186J/ 1001		
62			Ballstack [P/N SEG33106870-701]	1	1001		
63			6B ORU EVA Cover [P/N 1J00100-1]	2	-	A/L100 (behind soft closeout)	Ref EVA procedure 1.220.125 MDM EVA Cover Installation and Removal, Step 3 only.

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
64		A/L Crewlock S1 Large ORU Bag	ORU Transfer Bag Large [P/N SEG33114494-301]	1	-	A/L100 (behind soft closeout)	This bag should now be empty. IF not REPORT to MCC-H. STOW inside the other ORU Transfer Bags (once they are empty).

TABLE F: REMOVE the following items from the P6 Crewlock Bag:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
65		A/L Crewlock P6 Crewlock EVA Bag	ISS GP Caddy [P/N SEG33113531-301]	1	1002	A/L1D0 1.0 CTB: EVA misc Tools, S/N 1033, B/C 002918J	
66			Crewlock EVA Bag [P/N SEG33111751-301]	1	-	A/L1 Crewlock (Attach to Endcone)	This bag should now be empty. IF not REPORT to MCC-H.

TABLE G: REMOVE the following items from the IR Camera Crewlock Bag:

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
67		A/L Crewlock IR Camera Crewlock EVA Bag	EVA IR Camera [P/N 1257950-701]	1	1002	A/L1 Crewlock Deployed	

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ (SERIAL NUMBER)	LOCATION (NEW)	NOTES
68		A/L Crewlock IR Camera Crewlock EVA Bag	Helmet Light Battery [P/N SEG39130223-303]	1	-	A/L1O1 M-02 Bag S/N 1038, B/C 003019J	
69			Crewlock EVA Bag [P/N SEG33111751-301]	1	-	A/L1 Crewlock (Attach to Endcone)	This bag should now be empty. IF not REPORT to MCC-H.

TABLE H: Cleanup

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/ SERIAL NUMBER	LOCATION (NEW)	NOTES
70		Airlock Deployed	Safety Tether 85ft [P/N SED33116109-307]	1	1006	A/L1D2 Tether Staging Area	These tethers were attached to MISSE 5 and could have already been moved back to the tether staging area.
71			Safety Tether 85ft [P/N SED33116109-307]	1	1002		
72		A/L1 Crewlock Deployed	ORU Transfer Bag Large [P/N SEG33114494-301]	1	-	A/L1O0 (behind soft closeout)	This bag should now be empty. IF not REPORT to MCC-H. STOW inside the other ORU Transfer Bags (once they are empty).
73		A/L1 Temporary CTB selected by the shuttle crew	ISS GP Caddy [P/N SEG33113531-301]	1	1011	A/L1D0 1.0 CTB: EVA misc Tools, S/N 1033, B/C 002918J	
74			MUT End Effector Assy [P/N SEG33106890-303]	1	00018512J/ 1004		
75			Socket Caddy Assy [P/N SEG33106938-301]	1	1010	A /L1 Crewlock Crewlock EVA BAG #4 (Aft Nadir)	
76			7/16" X 9" Socket [P/N SEG33106930-305]	1	001956J/ 1013		

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/SERIAL NUMBER	LOCATION (NEW)	NOTES
77		A/L1 Temporary CTB selected by the shuttle crew	Wire Tie Caddy Assy [P/N SEG33111586-301]	1	1005	A/L1 Crewlock Crewlock EVA BAG #3 (Forward Nadir)	
78		A/L1 H-Strap, (Mesh Bag: Tools Pregathered for EVA 1 & 2)	Adjustable Fuse Tether AKA Fish stringer [P/N SED39127200-705]	1	1030	A/L1D2 Tether Staging Area	
79			Safety Tether [P/N SEG33106674-305]	2	#59 -		
80			ADJUSTABLE EQUIPMENT TETHER (Sm-Sm) [P/N SEG 33106945-307]	1	1518		
81			Lg-Eq RET (Lg-Sm) [P/N SEG33106164-385]	1	4074		
82			Adj. equipment tethers (sm-sm) [P/N SEG33106164-381]	1	-		
83			TORQUE WRENCH BAG [P/N SEG33110183-301]	1	1002		A/L1 Crewlock (Staging Bag - Upper Half Moon Bag)
84			Torque Wrench [P/N SEG33106948-30]	1	1008		
85			Socket Caddy Assy [P/N SEG33106938-301]	1	001957J/ 1002	A/L1 Crewlock Crewlock EVA BAG #4 (Aft Nadir)	
86			Drop Proof Tether Adapter [P/N SEG33106947-301]	1	001936J/ 1005		
87			5/8" Socket 7.8" Ext [P/N SEG33106934-301]	1	1003		
88		A/L1 H-Strap, (Mesh Bag: Tools Pregathered for EVA 1 & 2)	3/8" U-Joint Socket [P/N SDG33103991-301]	1	1002	A/L1D2 1.0 CTB: Unique EVA Tools, S/N 1022, B/C 002317J	

ITEM #	✓	LOCATION (CURRENT)	ITEM	QTY	BARCODE/SERIAL NUMBER	LOCATION (NEW)	NOTES
89		A/L1 H-Strap, (Mesh Bag: Tools Pregathered for EVA 1 & 2)	Trash Bag Large [P/N SEG33106937-301]	1	1008	A/L1D0 1.0 CTB: EVA Misc Tools, S/N 1033, B/C 002918J	
90		A/L1 H-Strap, (Mesh Bag: Tools Pregathered for EVA 1 & 2)	5/8" Socket 7.8" Ext [P/N SEG33106934-301]	1	1002	A/L100 (behind soft closeout)	STOW on Socket Caddy S/N 1002. Ref item # 85.
91			Round Torque Multiplier [P/N SEG33106260-301]	1	00004278J/ 1002		
92			5/8" Socket Proud Round Torque Multiplier [P/N SDG33107088-001]	1	1001		
93			Medium ORU Bag (w/internal loops) [P/N SEG33114494-309]	1	-		This bag should now be empty. IF not REPORT to MCC-H. STOW inside the other ORU Transfer Bags (once they are empty).
94		A/L1 Crewlock Crewlock Bag #3	7/16" EVA Socket, 3/8" Drive (6-IN. WOBBLE) [P/N SEG33106931-301]	1	1019	A/L1 Crewlock Crewlock EVA BAG #4 (Aft Nadir)	STOW on Socket Caddy S/N 1002. Ref item # 85.
95			7/16" EVA Socket, 3/8" Drive (6-IN. WOBBLE) [P/N SEG33106931-301]	1	1004		
96			7/16" X 9" Socket (9-Rigid) [P/N SEG33106930-305]	1	001946J/ 1012		There is a possibility of this item returning on 12A pending an inspection. Ref Saturday GMT 259 Daily Summary.

ITEM #	√	LOCATION (CURRENT)	ITEM	QTY	BARCODE/SERIAL NUMBER	LOCATION (NEW)	NOTES
97		A/L1 Crewlock IV BAG (lower half moon bag)	CHEATER BAR [P/N SEG33106926-301]	1	1001	A/L1D2 1.0 CTB: Unique EVA Tools, S/N 1022, B/C 002317J	These items were brought inside during 12A EVAs.
98		A/L Deployed	SARJ Lock Restraint Insert 6 [P/N SEG33115603-301]	1	-	NOD1S4_G	
99			SARJ Lock Restraint Insert 10 [P/N SEG33115602-301]	1	-		

MSG 087 (13-1237) - FD08 TRANSFER MESSAGE

Page 1 of 7

1 Good Morning Crew!

2

3 The Transfer List Excel file, FD08_TransferList_STS115.xls, is located on the KFX machine
4 in **C:\OCA-up\transfer**.

5

6 For ISS, the Transfer List Excel file, FD08_TransferList_STS115.xls, is located in **K:\OCA-**
7 **up\transfer**.

8

9 **Questions for the Crew:**

- 10
- 11 • **Item 35 (Empty 3.0 CTB):** Did this item fit okay in its 'Stowage at Undock' location of
12 NOD1S4_D2?
 - 13 • Heide, for the MiSSE 5 Antenna that was broken, was it on the left or right, long or
14 short?
 - 15 • Were you able to get MiSSE 5 configured for return? Has this item transferred to the
16 Middeck yet?

16

17 **Transfer Choreography for FD8:**

- 18
- 19 • Transfer EMUs and EVA equipment to Middeck (Item #'s 706 thru 709, 711)
 - 20 • Transfer POEMS after POEMS-SMPL-REMOVE (Item #728)
 - 21 • DEFIB C/O - old Defibrillator and empty Defibrillator Resupply Kit returns to Middeck
22 after checkout on new Defibrillator is completed (Item #'s 33, 705, and 717)
 - 23 • General Transfers

23

24 **Transfer Notes**

- 25
- 26 • Because the EWIS antennas did not get installed on EVA 3, we've made updates to
27 the Transfer List regarding stowage of these items (12, 13, and 14 on the Transfer
28 List) on ISS. We've 'unchecked' these items, and we'll call them complete when
29 they're in their new 'Stowage at Undock' location.
 - 30 • Please note, that because EWIS was not installed, Item 718 will not be available for
31 transfer. This item will be deleted in the FD9 Transfer List. Please disregard Item
32 #718 at this time.
 - 33 • In addition, due to EWIS, Item #'s 18 thru 21 on the '**ITEMS FOR PROGRESS**
34 **DISPOSAL**' tab are not available for disposal and should not be trashed.
 - 35 • Because the ISS BPSMU was never used on Middeck and has been since restowed,
36 as reported by Jeff, we have marked Item #734 as complete.

36

37 **Please incorporate uplink pages as follows (call us with any questions):**

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39 In the MDDK Transfer List '**RESUPPLY**' tab

40 Replace Page(s): 4 and 5

41

42 In the MDDK Transfer List '**RETURN**' tab

43 Replace Page(s): 1, 7 and 13

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MSG 087 (13-1237) - FD08 TRANSFER MESSAGE

Page 2 of 7

1 In the MDDK Transfer List **'ITEMS FOR PROGRESS DISPOSAL'** tab

2 Make the following Pen & Ink changes (if desired):

- 3 **Item 11:** Update 'QTY' from **6** to **5**
- 4 **Item 18:** Strikethrough – this item is not available for disposal
- 5 **Item 19:** Strikethrough – this item is not available for disposal
- 6 **Item 20:** Strikethrough – this item is not available for disposal
- 7 **Item 21:** Strikethrough – this item is not available for disposal

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

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11 **MIDDECK RESUPPLY**

12 **Item 12:** Updated 'Stowage at Undock', updated notes with instructions for stowage of
13 this item on ISS

14 **Item 13:** Updated 'Stowage at Undock', updated notes with instructions for stowage of
15 this item on ISS

16 **Item 14:** Updated 'Stowage at Undock', updated notes with instructions for stowage of
17 this item on ISS

18

19 **MIDDECK RETURN**

20 **Item 401:** Updated Weight

21 **Item 401.1:** New Item

22 **Item 717:** Updated 'Temp Stowage'

23 **Item 802:** New Item

24 **Item 803:** New Item

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STS-115/12A Resupply Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
	<input checked="" type="checkbox"/>	5		10	S-BAND BASEBAND SIGNAL PROCESSOR	1 sngl	EXT A/L FLOOR BAG	NOD1D1 {MED ORU X FER BAG}		47.82	Transfer prior to EVA 3. **Keep CTB and Foam for returning unit. Ref. Item #731 on the 'Return' Tab.
	<input checked="" type="checkbox"/>	5		11	AGIT HEAT SHIELD	1	EXT A/L FLOOR BAG	NOD1D1 {mesh bag}		1.51	Transfer prior to EVA 3. **Does not have a yellow transfer label.
X				12	EWIS EXT ANT CABLE	1	EXT A/L FLOOR BAG	NOD1D1 {mesh bag}	LAB1P1 {inside rack}	4.89	Foam block located on antenna is required for stowage of this item. Replace Foam Block and stow in Jettison Stowage bag prior to stowing in LAB1P1 rack.

STS-115/12A Resupply Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
X				13	EWIS LAB OIH ANT 11	1	EXT A/L FLOOR BAG	NOD1D1 {mesh bag}	LAB1P1 {inside rack}	8.88	Foam block located on antenna is required for stowage of this item. Replace Foam Block and stow in Jettison Stowage bag prior to stowing in LAB1P1 rack.
X				14	EWIS LAB OIH ANT 12	1	EXT A/L FLOOR BAG	NOD1D1 {mesh bag}	LAB1P1 {inside rack}	8.88	Foam block located on antenna is required for stowage of this item. Replace Foam Block and stow in Jettison Stowage bag prior to stowing in LAB1P1 rack.

STS-115/12A Return Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
Middeck Return											
Prepacked Bags/Items											
	<input checked="" type="checkbox"/>	6		400	Return Bag 400 [CHeCS/MDDK Misc]	1 snl	LAB1D2		MF71G	14.50	
X	<input checked="" type="checkbox"/>	6		401	Return Bag 401 [POIC/CHeCS/CSA-O2s]	1 snl	LAB1D2		MA9F	12.61	
X				401.1	POEMS FOAM CUSHION [s/n 008, b/c POEMSF13K] [contains POEMS SAMPLE CANISTER, s/n 013, b/c POEMSC12K]	1	LAB1O2_J2		MA9F	1.41 (part of above)	Verify POEMS SAMPLE CANISTER (s/n 013) is located within the foam cushion.
				402	Return Bag 402 [GPS Antenna Assy, FPMU Bags]	1 snl	LAB1D2		MD CEIL STBD 1 (10 MLE)	22.25	
				403	Return Bag 403 [Vinogradov Clothing]	1 snl	LAB1D2		MD CEIL STBD 1 (10 MLE)	39.00	
				404	Return Bag 404 [Williams Clothing]	1 snl	LAB1D2		MA16D	39.00	Remove QTY 8 DIDBs from MA16D and stow in MD FLOOR PORT 2 (Bag C) before stowing this bag in the locker.
	<input checked="" type="checkbox"/>	6		405	Return Bag 405 [CWCs, EMU Micron Filters, EMU ION Filter]	1 snl	LAB1D2		MD FLOOR PORT 1 (Bag A)	20.26	

STS-115/12A Return Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
				711	EVA Systems Mesh Bag	1		ISS A/L	MD FLOOR STBD 1 (Bag G)	23.95	Transfer post EVA 3. Configured per EVA PREP FOR TRANSFER TO SHUTTLE (EVA Checklist, <u>A/L CONFIG</u>).
				712	Eq Hk RET [p/n SEG33106164-381] [s/n 4073]	1	A/L1D2 Tether Staging Area		MF71E	0.70	Transfer post EVA 3.
				713	Lg-Eq RET [p/n SEG33106164-385] [s/n 4257]	1	A/L1D2 Tether Staging Area		MF71E	1.1	Transfer post EVA 3.
	<input checked="" type="checkbox"/>	6		714	FOAM [EMCS 12 CTB foam]	2		LAB	MD CEIL STBD 1 (10 MLE)	2.0	**Foam removed from EMCS CTB. Ref. Item #30.3 on the 'Resupply' Tab.
	<input checked="" type="checkbox"/>	6		715	FOAM [EMCS and EMU Micron CTB foam]	2		LAB	MD CEIL STBD 1 (10 MLE)	2.0	**Foam removed from EMCS and EMU Micron Filter CTB. Ref. Item #31.3 on the 'Resupply' Tab.
	<input checked="" type="checkbox"/>	X		716	Item Deleted						
X				717	HMS DEFIBRILLATOR [OLD] [s/n 1001]	1	LAB1D4_J1	LAB1D4 Rack Front	MD FLOOR PORT 1 (Bag A)	36.5	Do Not Transfer until post DEFIB C/O on FD8. **Swap. The 'New' Defibrillator (Ref. Item #33 on the 'Resupply' Tab) must be checked out prior transfer of 'Old' Defibrillator.

STS-115/12A Return Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	PROCEDURES/Constraints/ **Comments
Return Realtime Additions											
				801	SLD Broken Pieces [Cable Stop Cap, SLD Cable Stop, Ball Shank, Fillister Head Screw]	1 ziplock	NOD1D4_K2 {1.0 CTB s/n 1080, b/c 003970J}		MA9L	0.15	**These pieces were identified last week (GMT 250) when the SLD failed **Ziplock is stowed in 1.0 CTB: Broken/Expired Items, s/n 1080, b/c 003970J.
X				802	SARJ LAUNCH RESTRAINT [s/n 3-216, labeled '6B']	1		MDDK	MF71E	5.56	**Item temp stowed in middeck post-EVA 2 for return.
X				803	7/16" EVA Socket, 3/8" Drive [aka '6-in. Wobble'] [p/n SEG33106931-301, s/n 1015]	1		MDDK	MF71E	0.50	**Item temp stowed in middeck post-EVA 2 for return.

MSG 088 - FD08 WATER SUMMARY MESSAGE

1 Today there will be one PWR fill and two CWC fills.

2

3 **FD8 PWR Fill Details – Shuttle Crew**

4

5 For today's PWR fill, use PWR 1011 (located in A/L1D1_A2).

6

7 PWR FILL

8 (ORB OPS, ECLS)

9 Fill duration: ~23 minutes.

10

11 Transfer PWR 1011 to ISS (A/L1D1_A2).

12

13

14 **FD8 Shuttle/ISS H2O Container Fill Details - Shuttle Crew**

15

16 For today's CWC fills, use the following CWCs: 1030 (pregathered on ISS) and 1043
17 located on the Water Wall (NOD1P2).

18

19 SHUTTLE/ISS H2O CONT FILL

20 (ORB OPS, ECLS)

21

22 For CWC Fill #9:

23 Ag Biocide is req'd. (Use syringe from Ag biocide kit s/n 1001)

24 Sample is req'd.

25 Fill duration: ~50 minutes

26

27 For CWC Fill #10:

28 Ag Biocide is req'd. (Use syringe from Ag biocide kit s/n 1001)

29 Sample is not req'd.

30 Fill duration: ~50 minutes

31

32 After the fills are complete, report Serial Number and Barcode to MCC; insert green label in
33 CWC window; apply decals to CWC ends; and mark CWC serial numbers on the
34 end decals. Transfer the two filled CWCs to NOD1P3. If there is insufficient room for the
35 bags at this ISS location, stow CWCs at NOD1P1 and report to MCC.

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MSG 091 - UPDATES TO PRE-UNDOCK EVA RECONFIG AND XFER

1
2 Please make the following Pen and Ink changes to your FDF EVA Checklist:

3
4 1) On FS 2-10 EVA PREP FOR TRANSFER TO SHUTTLE (EVA, AIRLOCK CONFIG)

5
6 After step 11 add:

7 11a. Remove all modified valsalvas from the old ISS EMU Servicing Kit (sn5004), stow
8 in new Kit (sn5005) and report total quantity of modified valsalvas available for Exp-14.
9

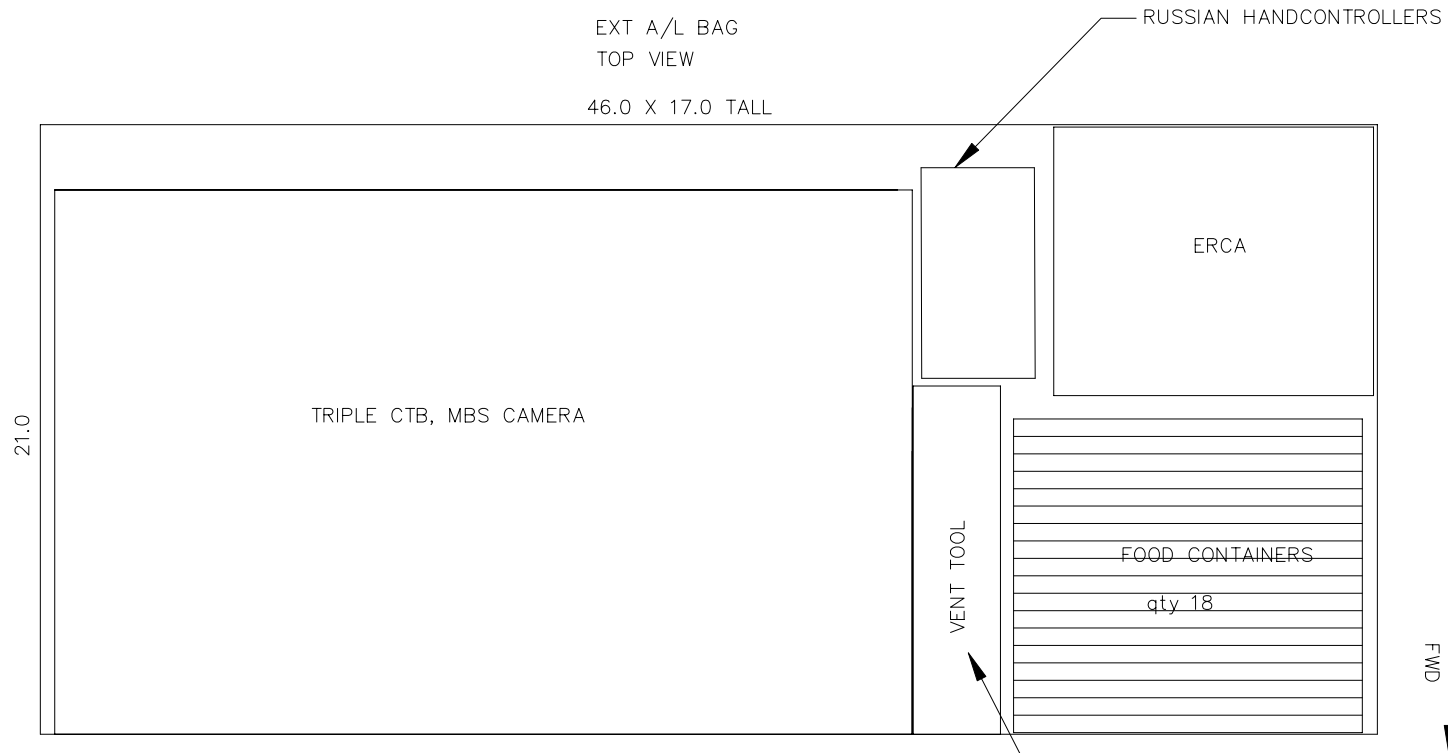
10 2) On FS 2-11 EVA PREP FOR TRANSFER TO SHUTTLE (EVA, AIRLOCK CONFIG)

11
12 On EMU3004 (Ts) column: | On EMU3016 (Pp) column:
13 From: EMU Battery (S/N 2031) | From: EMU Battery (S/N 2036)
14 To: EMU Battery (S/N **2057**) | To: EMU Battery (S/N **2058**)
15

16 On Mesh Bag (EMU Systems) column, add if not already transferred to Shuttle:
17 Return List Item 710: EMU TV (ERCA) Camera ID 17 (sn1011)
18

19
20 3) Finally, just a reminder that all 5 EVA Mesh Bags are to be returned (yes, the bags
21 themselves, as well as the items in them). Apparently, Mesh Bags are like "Tribbles" and
22 have been multiplying on-board the Space Station.
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MSG 092 - EXTERNAL AIRLOCK RETURN BAG CHANGE



WHEN COILING/STOWING VENT TOOL BE SURE TO NOT KINK THE HOSE ON THE QD END.

REMOVE EXISTING CUSHION BLOCKS THAT CONTAINED THE BGA BOLTS AND ORCA.
PLACE THE 2 SMALL CUSHION BLOCKS IN AVAILABLE SPACE FOR HARDWARE PROTECTION.
IF ORCA CUSHION DOES NOT FIT IN 10 MLE BAG, RETURN IN MESH BAG IN A/L.
USE EWIS CUSHIONS AND/OR CUSHION FROM BAG C TO PROTECT HANDCONTROLLERS AND VENT TOOL.

MSG 093 - 12A SODF TRANSFER LIST

Lead ODF Coordinator: D03/Jason Morrow x41189

Alt. Coordinator: D03/Sandy Wayne x33155

OPS Flight Lead: D03/Dee Lopez x34964

OPS Assistant: D03/Lamar King x34236

ODF TRANSFER LIST
STS-115 / 12A / EXP 13

BOOK TITLE or ITEM NAME	DOCUMENT NUMBER / DATE (BAR CODE if applicable)	QTY	CREW COLOR	CONFIGURATION COMMENTS	✓
<u>HARDCOPY DOCUMENTS</u>				MF43H	
ACLS Flipbook	JSC-48522	1	NO COLOR	Packed in CTB at MF43H. Will be deployed post-flight.	
EMER-2	JSC-48512	1	NO COLOR	Packed in CTB at MF43H. Will be deployed post-flight.	
ISS EVA Systems	JSC-48538	1	NO COLOR	Packed in half-locker at MF57K. Will be left behind for ISS.	
Medical Checklist	JSC-48522	1	NO COLOR	Packed in CTB at MF43H. Will be deployed post-flight.	
Warning Procedures Book	JSC-48537	3	NO COLOR	Packed in CTB at MF43H. These will be deployed on FD5.	
<u>JOINT MISSION OPS CUE CARDS</u>				MF43H	
EVA Prebreathe Cue Card	JNT OPS ISS EVA-2a/ALL/F ISS EVA-2b/ALL/F	1		Packed in CTB at MF43H. Will be in a ziplock bag marked "For Use During 12A Docked Operations".	
SSRMS LEE Cue Card	JNT OPS RBT-1b/ALL/H RBT-1b/ALL/H	1		Packed in CTB at MF43H. Will be in a ziplock bag marked "For Use During 12A Docked Operations".	
Crewlock Depress/Repress Cue Card	JNT OPS EVA-1a/8A-ALL/H EVA-1b/8A-ALL/H	2		Packed in half-locker at MF57K. Stowed in the CDR's ISS EVA Systems book. Cue Cards will be left behind for ISS. Should have 24" Tethers.	
10.102 Joint Emergency Egress	JNT OPS JNT OPS-1a/8A-ALL/L JNT OPS-1b/8A-ALL/L	1		Packed in half-locker at MF57K. Stowed in the ISS/Shuttle Joint Operations Quick Reference (which is stowed in VW Bag 2, Pocket C for launch). During ingress, they will be deployed on either side of the APAS hatch. This one will be left behind for ISS.	

MSG 093 - 12A SODF TRANSFER LIST

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ODF TRANSFER LIST
STS-115 / 12A / EXP 13

BOOK TITLE or ITEM NAME	DOCUMENT NUMBER / DATE (BAR CODE if applicable)	QTY	CREW COLOR	CONFIGURATION COMMENTS	✓
<i>FABRICATED ITEMS</i>					
12A USOS Contingency Restart Procedure		1		Packed in CTB at MF43H. This is a Lab Cold Start procedure that is a printout of a flight note requested to fly by the E13 crew. This is in a ziplock bag marked "12A USOS Contingency Restart Procedure".	
ISS EVA Cuff Checklists	JSC-48538	3		Packed in half-locker at MF57K. Three of these cuffs will be swapped with the ones on ISS after the 12A crew preference pages are removed. (S/N for all four cuff checklists: 5045, 5046, 5051, 5065)	

MSG 094 (13-1247) - FD07 MMT SUMMARY

Page 1 of 1

1 The MMT was brief today and lasted only 45 minutes. The meeting reviewed the most
2 recent orbiter and station system anomalies. The Chief of the Astronaut Office reported that
3 the crew is extremely pleased with the ground team's performance during the mission. In
4 reality, it has been a tremendous team effort with the MCC, Engineering Teams, the
5 Programs, and the crew working together in order to accomplish so much in such a short
6 time. There were no decisions made at the MMT.

7
8 **Consumable Margins** - The ISS Program has requested additional Orbiter O2 to be
9 transferred to the ISS. The preflight plan was to transfer 25 lbs of O2 and the current
10 margins support an additional 65 lbs for a total of 90 lbs of transfer. The cryo margins, after
11 this transfer is complete still preserve the ability to extend the mission by two days should
12 that be required. The limiting consumable is LiOH assuming a nominal undock on FD9.
13 The consumable status reported at the MMT is cryo supports an 11+2+2 and LiOH supports
14 11+3. The plan is to undock with 11+3 day mission extension capability limited by LiOH.

15
16 **LA1A4A F RPC 3**- This ISS RPC that opened during the Airlock depress prior to EVA 3
17 was not caused by an electrical short. Troubleshooting indicated that the current demand
18 from the Airlock heaters and the depress pump startup transient exceeded the RPCM limit.
19 This is obviously not an issue for the remainder of this mission. The airlock power
20 constraints will be reviewed post flight to insure that future mission EVAs are not impacted
21 by this problem.

22
23 **APU 1 Gas Generator Bed Heater** - The APU GG bed on and off temperatures are slightly
24 erratic. The heater on temperatures rose slightly from consistent performance earlier in the
25 mission. The APU GG bed heater performance is acceptable at this time and there are no
26 operational impacts.

27
28 **EVA** - The EVA Project showed a diagram of proper and improper seating for a wobble
29 socket. It was reported that the wobble socket is on the Return transfer list for further failure
30 analysis post flight. The EVA Project also reported that they were extremely impressed with
31 the outstanding performance of the EVA crew members on this mission. Congrats on a job
32 well done!

33
34 **Launch On Need Support** - The MMT briefly discussed the process for releasing the
35 affected LON program elements, which was not performed earlier even though the TPS was
36 declared as "not suspect". The MMT chairman took an action to improve this process for
37 STS-116 and subsequent missions.

38
39 **Edwards Runway** - After the conclusion of the MMT, our NASA contacts at EDW informed
40 us that the runway is open again for shuttle and other aircraft. The issue that closed the
41 runway is similar to the incident that occurred in the pre-launch timeframe.