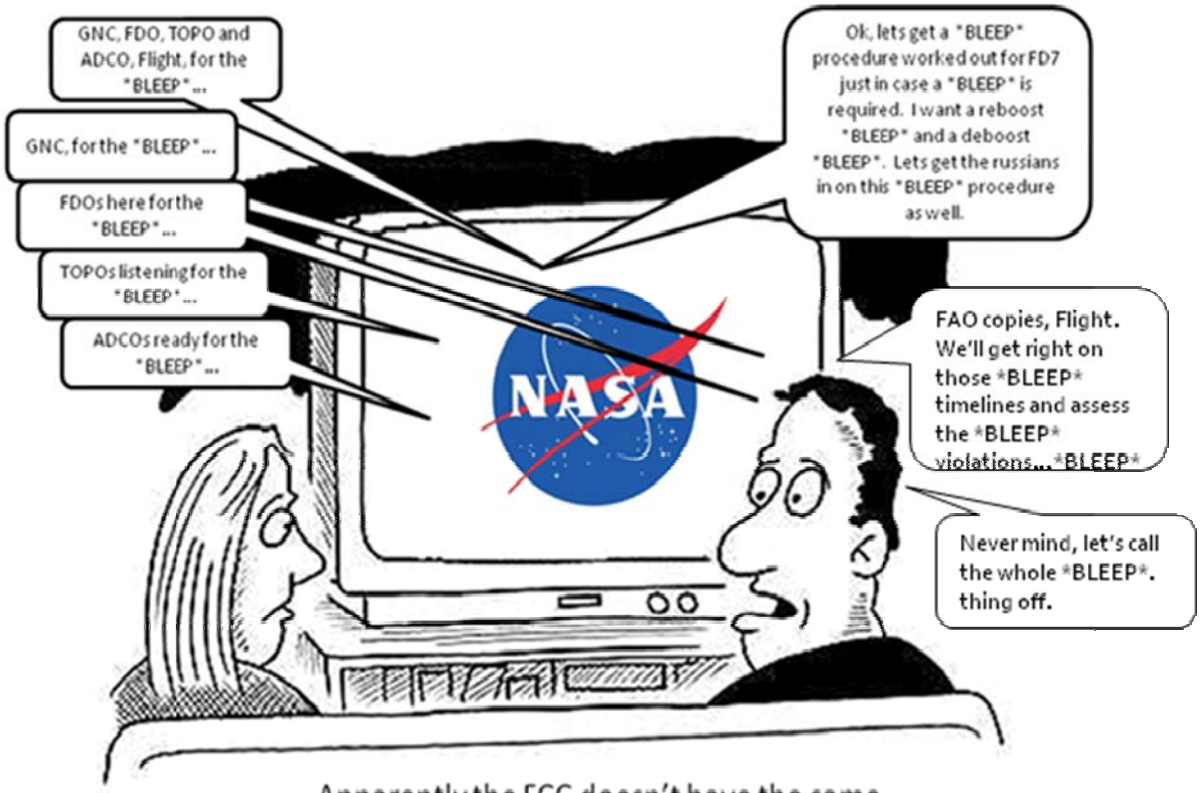
STS-128 / 17A

FD 07 Execute Package

MSG	Page(s)	Title
-	-	FD07 Summary Timeline
048B	1 - 9	FD07 Flight Plan Revision
049	10 - 11	FD07 Mission Summary
050	12 - 13	FD07 Transfer Message
051	14	FD07 Crew Choice Downlink
052	15 - 18	5 MLE Return Stowage Locations
053	19 - 20	Battery Charging Module Troubleshooting

Approved by FAO:
Terry Clancy

Last Updated: Sep 3 2009 2:23 PM GMT
***JEDI** (**J**oint **E**xecute package **D**evelopment and **I**ntegration), v3.0*



Apparently the FCC doesn't have the same affinity for acronyms as NASA...

09/03/09 10:17:41 **REPLANNED**

GMT 09/03/09 (246) — 16/12, 17/13, 18/14, 19/15, 20/16, 21/17, 22/18, 09/04/20, 23/19, 01/21, 02/22, 03/23, 04/006/00

MET Day 005

FD07

STS 128

CDR STURCKOW	SLEEP	LOG	POST SLEEP	PMC S/G	POST SLEEP	LTOS*	XFER	UPDAT	MPLM XFER	IMU	EXERCISE	CWC-I	FILL #10	CWC-I	FILL #11	CWC-I XFER (2)	P/TV07 EVA	MEAL	CWC-I	FILL #12	CWC-I	XFER	P/TV07 EVA	♣
PLT FORD	SLEEP	POST SLEEP							EXERCISE	INHIB	PAD	P/TV07 EVA S/U	EVA 2 SSRMS SUPPORT											⊕
MS1 FORRESTER	SLEEP	LOG	POST SLEEP					GLACR#	MCIU*		IVA PREP	EVA IVA SUPPORT												EXERCISE
MS2 HERNANDEZ	SLEEP	POST SLEEP		HYG BRK/ HATCH CLS	CAMPOUT EVA PREP			EMU	PURGE	EMU PREBREATHE	C_LK DPRS	P-DPS	MPLM XFER					MEAL	MPLM XFER			EXERCISE	P-RPS	RPRS
MS3 OLIVAS	SLEEP	POST SLEEP	HYG BRK/PREBREATHE (14.7 RPRS, 10.2 DPRS)		CAMPOUT EVA PREP			EMU	PURGE	EMU PREBREATHE	C_LK DPRS	P-DPS	CLTK	EGRS	SETUP ATA WRKSITE	ATA REMOVAL FROM LMC	PREP FOR ATA INSTL	ATA ZENITH	BOLTS	NH3/N2 ELECTRCL CNCT	P1 CLNUP/ ATA HNDOFF	ATA INSTALL ON LMC	FGB CLEANUP	INGRESS	P-RPS	RPRS
MS4 FUGLESANG	SLEEP	POST SLEEP	HYG BRK/PREBREATHE		CAMPOUT EVA PREP			EMU	PURGE	EMU PREBREATHE	C_LK DPRS	P-DPS	CLTK	EGRS	SSRMS SETUP	ATA REMOVAL FROM LMC	MNVR TO	MAINTAIN VAL	ATA NADIR	PREP FOR	HANDOFF	ATA H/O & MNVR LMC	ATA INSTALL ON LMC	SSRMS CLEANUP	INGRESS	P-RPS	RPRS

EVA 2 (6:30)

DAY/NIGHT

ORBIT: 88, 89, 90, 91, 92, 93, 94, 95, 96

TDRS W E Z

ISS TDRS AVAIL

ORB ATT: BIAS -XLV -ZVV

NOTES: %B OFF; #STATUS CHECK; *FILTER CK

♣MPLM XFER
⊕MPLM XFER

09/03/09 10:17:41 **REPLANNED**

GMT 09/04/09 (247) 04 05 06 07 08 09 10 11 12 13 14 15 16
006/00 01 02 03 04 05 06 07 08 09 10 11 12
MET Day 006

FD07

STS 128																
CDR STURCKOW	MPLM XFER	XFER	TAGUP	PRE SLEEP	XFER BRIEF	PRE	SLEEP	PMC OCA	PRE SLEEP	ISS EXTERNAL SURVEY	SLEEP					
PLT FORD	MPLM XFER	IL ON	PRE SLEEP							SLEEP						
MS1 FORRESTER	EXERCISE	GLACR#	COND CWC C/O	PRE SLEEP						SLEEP						
MS2 HERNANDEZ	RPRS	POST EVA W/H20	BSA INIT	PRE SLEEP						SLEEP						
MS3 OLIVAS	RPRS	POST EVA W/H20	PRE SLEEP							SLEEP						
MS4 FUGLESANG	RPRS	POST EVA W/H20	PRE SLEEP							SLEEP						

DAY/NIGHT

ORBIT 96 97 98 99 100 101 102 103

TDRS W E Z

ISS TDRS AVAIL

ORB ATT BIAS -XLV -ZVV

NOTES #STATUS CHECK

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MSG 048B - FD07 FLIGHT PLAN REVISION

MSG INDEX

MSG NO.	TITLE
048	FD07 Flight Plan Revision
049	FD07 Mission Summary
050	FD07 Transfer Message
051	FD07 Crew Choice Downlink
052	5 MLE Return Stowage Locations
053	Battery Charging Module Troubleshooting

1. **EVA Notes** - Pat - We would like you to record and report the s/n of the Adjustable tether left outside on the fish stringer. Your choice whether you do this during the EVA (FS7-54, step 55) or post EVA. Per the nominal plan, this adjustable is the only one placed back into the ATA crewlock bag thus isolating it till after the EVA.

   Jose - Message 053 (20-1074) is a troubleshooting procedure for the ISS Airlock EVA Battery Chargers. We have observed (most recently during 2J/A) an anomalous signature on these battery chargers and want to gather additional data if the anomaly occurs again. Similar to Post EVA 1 battery charging, we would like for you to stay near the airlock for 3 minutes after charge initiation, and if the signature does not repeat, we will release you.

2. **CWC-I Fills** - Following CWC-I FILL #11, perform all of step E. FILL TERMINATION. This will re-open the TK A Outlet Valve to make the potable water in TK B available for meal preparation and CWC-I FILL #12 later in the day. When performing CWC-I FILL #12, begin in step D.1.

3. **Shuttle Condensate Changeout** - Swap out condensate CWC s/n 1062 with condensate CWC s/n 1070. CWC s/n 1070 is currently stowed in NOD2O2. Once the changeout is complete, stow the full CWC s/n 1062 in NOD2O2.

4. **CWC-I Transfer From ISS** - At ~MET 5/15:45, the ISS crew will transfer CWC-I s/n 1013 (Item 905 on Middeck Return list) to the Shuttle middeck. This CWC-I should be temp stowed for dumping post-undock. MCC will provide the final stowage location on the day of the dump.

5. **Outlook** - The Outlook files are becoming large. Please delete your Sent Mail or move it into your Personal Folders.

6. Replace pages 3-68 through 3-75.

END OF PAGE 1 OF 9, MSG 048B

STS-128/17A FD07

GMT Date 09/03 (246) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT

CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
SLEEP	SLEEP	SLEEP	
SLEEP LOGBOOK (ORB OPS, SDBI)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SLEEP LOGBOOK (ORB OPS, SDBI)	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)		POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
PRIVATE MEDICAL CONFERENCE Perform via ISS S/G 2			
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
L1 FLASH EVAP CNTLR PRI B - OFF			
DAILY TRANSFER LIST UPDATE Ref. Transfer List & MSG 050			
TRANSFER OPS Ref. MPLM Resupply and Return Transfer List	EXERCISE	GLACIER STATUS CHECK (ASSY OPS, P/L)	
		L17 Check MCIU filter screen	

FD07 EZ ACTIVITIES:
- √OCAC FILTER
- √MDDK DUCT SCREEN
- TEPC (STATUS CHECK) (ORB OPS, CREW SYS)
- HARD REBOOT ALL PGSCs EXCEPT: STS-1(OCA ROUTER), STS-6(WLES) & STS-5(RPOP2)

BIAS - XLV - ZVV

STS-128/17A FD07

GMT Date 09/03 (246) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT | MS2 HERNANDEZ | MS3 OLIVAS | MS4 FUGLESANG | NOTES

16:00 12:00

SLEEP | SLEEP | SLEEP

88

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) | POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

17:00 13:00

EVA SYSTEMS: 1.211 HYGIENE BREAK Start no earlier than 8:40 hours from end of 1.206 PSIA CAMPOUT MASK P/B; MCC-H performs steps 1-4, 16-20 and 23 | EVA SYSTEMS: 1.211 HYGIENE BREAK Start no earlier than 8:40 hours from end of 1.206 PSIA CAMPOUT MASK P/B; MCC-H performs steps 1-4, 16-20 and 23

89

BIAS-XLV-ZVV

EVA SYSTEMS: 1.211 HYGIENE BREAK steps 21-end. MCC-H will perform step 23.

18:00 14:00

EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP | EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP | EVA SYSTEMS: 1.216 10.2 PSIA CAMPOUT EVA PREP

19:00 15:00

90

EVA SYSTEMS: 1.220 EMU PURGE | EVA SYSTEMS: 1.220 EMU PURGE | EVA SYSTEMS: 1.220 EMU PURGE

20:00 16:00

3

STS-128/17A FD07

GMT Date 09/03 (246) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT

20:00 – 21:00 – 22:00 – 23:00 – 00:00

16:00 – 17:00 – 18:00 – 19:00 – 20:00

91 – 92 – 93

BIAS-XLV-ZVV

CDR STURCKOW

TRANSFER OPS
Ref. MPLM Resupply and Return Transfer List

IMU STAR OF OPPTY ALIGN (ORB OPS, GNC)

EXERCISE

CWC-I FILL
(ORB OPS, CWC-I FILL)
Ref. MSG 025 and MSG 048 Item 2
Fill Init #10

CWC-I FILL
(ORB OPS, CWC-I FILL)
Ref. MSG 025 and MSG 048 Item 2
Fill Init #11

CWC-I TRANSFER
Transfer 2 CWC-Is to ISS

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

PLT FORD

EXERCISE

17A EVA 2 INHIBIT PAD
(EVA, TIMELINES)

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

ROBO: 1.410 ATA UNBERTH AND INSTALL

MS1 FORRESTER

IVA SUPPORT PREP

EVA IVA SUPPORT

NOTES

4

STS-128/17A FD07

GMT Date 09/03 (246) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT

20:00 – 21:00 – 22:00 – 23:00 – 00:00

16:00 – 17:00 – 18:00 – 19:00 – 20:00

91 – 92 – 93

BIAS - XLV - ZVV

MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	EVA SYSTEMS: 1.225 EMU PREBREATHE	
EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	
EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	EVA SYSTEMS: CREWLOCK POST DEPRESS (CC)	
TRANSFER OPS Ref. MPLM Resupply and Return Transfer List	EVA SYSTEMS: CREWLOCK EGRESS (CC)	EVA SYSTEMS: CREWLOCK EGRESS (CC)	
	SETUP ATA WORKSITE IN PLB	SSRMS SETUP	
	ATA REMOVAL FROM LMC	ATA REMOVAL FROM LMC	
	PREP FOR P1 ATA INSTALL	MNVR TO P1 ATA INSTALL LOCATION	
	P1 ATA INSTALL ZENITH BOLTS (2)	P1 ATA INSTALL NADIR BOLTS (2)	

5

STS-128/17A FD07

GMT Date 09/04 (247) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT | CDR STURCKOW | PLT FORD | MS1 FORRESTER | NOTES

00:00 – 20:00

ROBO: 1.410 ATA UNBERTH AND INSTALL

MEAL

01:00 – 21:00

CWC-I FILL
(ORB OPS, CWC-I FILL)
Ref. MSG 025 and MSG 048 Item 2
Fill Init #12

CWC-I TRANSFER
Transfer 1 CWC-I to ISS

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

BIAS-XLV-ZVV

EVA IVA SUPPORT

02:00 – 22:00

03:00 – 23:00

04:00 – 00:00

TRANSFER OPS
Ref. MPLM Resupply and Return Transfer List

TRANSFER OPS
Ref. MPLM Resupply and Return Transfer List

EXERCISE

9 3 9 4 9 5 9 6

6

STS-128/17A FD07

GMT Date 09/04 (247) | W | TDRSE | Z | D/N | ORB | MET Day 005 | ATT

00:00 – 04:00 | 20:00 – 00:00

93 | 94 | 95 | 96

BIAS - XLV - ZVV

MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
MEAL	CONNECT NH3/N2/ELECTRICAL CONNECTORS	PREP FOR ATA HANDOFF	
TRANSFER OPS Ref. MPLM Resupply and Return Transfer List	P1 CLEANUP/ATA HANDOFF	ATA HANDOFF & MNVR TO LMC	
	ATA INSTALL ON LMC	ATA INSTALL ON LMC	
EXERCISE	FGB CLEANUP	SSRMS CLEANUP	
	INGRESS	INGRESS	
EVA SYSTEMS: PRE REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC)	EVA SYSTEMS: PRE REPRESS (CC)	
EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS (CC)	

7

STS-128/17A FD07

GMT Date 09/04 (247) | W | TDRSE | Z | D/N | ORB | MET Day 006 | ATT

GMT	MET	CDR STURCKOW	PLT FORD	MS1 FORRESTER	NOTES
04:00	00:00	TRANSFER OPS Ref. MPLM Resupply and Return Transfer List	TRANSFER OPS Ref. MPLM Resupply and Return Transfer List	EXERCISE	
		TRANSFER TAGUP Coordinate with transfer counterparts	TV (ILLUMINATOR OPS)(PHOTO/TV, CC) ILLUMINATORS ON - A,D	GLACIER STATUS CHECK (ASSY OPS, P/L)	
05:00	01:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS) Perform Air Quality Report	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	SHUTTLE CONDENSATE COLLECTION (ORB OPS, ECLS) Perform CHANGEOUT Use CWC S/N 1070 Ref. MSG 048 Item 3 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
06:00	02:00	TRANSFER BRIEF Call down status to MCC			
		PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
		NETMEETING VIDEO CONFERENCING (ORB OPS, PGSC) Private Medical Conference KU TDRW (02:34-02:48) A			
07:00	03:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)			
08:00	04:00				

BIAS-XLV-ZVV

96 97 98

A Omit steps 1,2,3
Use A/G2 for audio
Inform MCC of which PGSC will be used

Crew Wake at MET 6/12:00

8

STS-128/17A FD07

GMT Date 09/04 (247) | W | TDRSE | Z | D/N | ORB | MET Day 006 | ATT

MS2 HERNANDEZ	MS3 OLIVAS	MS4 FUGLESANG	NOTES
EVA SYSTEMS: CREWLOCK ~ DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK ~ DEPRESS/REPRESS (CC)	EVA SYSTEMS: CREWLOCK ~ DEPRESS/REPRESS (CC)	
EVA SYSTEMS: 1.240 POST EVA With H2O Ref: STS-128 CONSUMABLES TRACKING (Cue Card) Ref: STS-128 BATTERY RECHARGE PLAN (Cue Card)	EVA SYSTEMS: 1.240 POST EVA With H2O Ref: STS-128 CONSUMABLES TRACKING (Cue Card) Ref: STS-128 BATTERY RECHARGE PLAN (Cue Card)	EVA SYSTEMS: 1.240 POST EVA With H2O Ref: STS-128 CONSUMABLES TRACKING (Cue Card) Ref: STS-128 BATTERY RECHARGE PLAN (Cue Card)	
EVA SYS: 1.605 BSA BATTERY RECHARGE INITIATE Ref. STS-128 Consumables Tracking (CC) Ref. STS-128 Battery Recharge Plan (CC) Note that BSA Charge in Progress LED will illuminate whenever a BCM is powered Ref. MSG 053 PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

BIAS - XLV - ZVV

Crew Wake at MET 6/12:00

6

MSG 049 - FD07 MISSION SUMMARY

Good Morning Discovery!!!!

Yesterday was another outstanding day!!!!

Thank you for all of your effort!!

Good news- today is a no DAM day!!!!

Have a great EVA day!!!!

YOUR CURRENT ORBIT IS: 194 X 182 NM

NOTAMS: **ONE CHANGE (DELETED YYR)**

EDW -	EDW IN USE. EDT DAY ELS ONLY.
EDW -	LAKEBED RWY 15/33 GREEN - ELS ONLY. RWY 18L - UNUSABLE.
NOR -	LAKEBED RUNWAYS GREEN.
FMH -	RWY 32 SEQUENCED FLASHING LIGHTS OTS.
YJT -	TACAN YJT78 OTS.
LAJ -	TACAN LAJ45 OTS.
HAW -	RWY 31 LDA = 9024 FT.
GUA -	RWY 24R END LIGHTS OTS.
IKF -	NOT USABLE. NO AGREEMENT.
BEN -	NOT RECOMMENDED/NOT SUPPORTED.

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 95 – 5/23:03 FEW060 7 230/5P07
EDW22 ORB 111 – 6/23:28 FEW060 FEW100 7 230/8P11

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(%)

L OMS OX = 34.4 R OMS OX = 33.4
FU = 33.9 FU = 33.4

END OF PAGE 1 OF 2, MSG 049

MSG 049 - FD07 MISSION SUMMARY

DELTA V AVAILABLE:

OMS	359 FPS
ARCS (TOTAL ABOVE QTY1)	23 FPS
TOTAL IN THE AFT	382 FPS
ARCS (TOTAL ABOVE QTY2)	56 FPS
FRCS (ABOVE QTY 1)	33 FPS
AFT QTY 1	82 %
AFT QTY 2	44 %

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

END OF PAGE 2 OF 2, MSG 049

Good morning Danny, Christer, CJ & Jose

All of you have done a great job emptying out the MPLM!! You are 68 percent complete on Middeck, 41 percent complete on MPLM, and 44 percent complete overall. Today you have a lot of transfer and a short choreography. So just start working your way through the books and let us know if you have any questions!

The Transfer List Excel file, FD07_Transfer_List_STS128.xls, locations are:

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

Transfer Notes

- **Return Item Containment:** There are a few return items that need additional containment prior to stowing them for return. There are 6 returning KTOs (MPLM return items 708 thru 712 & 961) that each need to be placed inside a large ziplock and a pre-pack 0.5 CTB (inside Middeck return item 736) that needs to be stowed inside 2 ziplocks. You need to retrieve a total of eight 36 X 36 ziplocks from Bag F and temp stow on the Middeck to stow these items.
- **LiOH:** We have confirmed that all of the LiOH cans from FD06 and their return CTBs are accounted for per Danny's call down. Also, you can use the empty jettison stowage bags to assist in other transfers during the flight.
- **Bag Drawings:** We have uplinked the return MPLM M-Bag drawings to assist you in packing the M-Bags for return. MSG 052: 5 MLE Middeck Return Stowage Locations has also been printed with your execute package to assist you in packing the 5 MLE Bags for return.

FD07 Choreography

- **Item 905:** Transfer CWC-I per WRM-SMPL ADAPTER-STOW activity
- **Items 608 & 609:** Transfer GSCs per GSC OPS activity
- **Item 962:** Transfer LHA per JLP1FP1-LHA-RMVL activity

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

In the Middeck Transfer List **RESUPPLY** tab
Replace the following page:
Resupply 6

In the Middeck Transfer List **RETURN** tab
Replace the following page:
Return 1 & 5

In the MPLM Return Transfer List **RETURN LAYOUTS** tab
Add the following pages:
MPLM: D-1 thru MPLM: D-26

In the MPLM RETURN Transfer List **RETURN** tab
Replace the following pages:
Return 14, 15, 17, & 24

Changes to the Transfer List are detailed below:

MIDDECK RESUPPLY
Item 301 – new item

MIDDECK RETURN
Item 736 - updated notes
Item 904 - new item
Item 905 - new item

MPLM RETURN
Item 708 - updated notes
Item 709 - updated notes
Item 710 - updated notes
Item 711 - updated notes
Item 712 - updated notes
Item 803 - deleted item
Item 961 - new item
Item 962 - new item

FD08 Choreography

- **Item 815:** Transfer returning RGA after EVA 2 and stow in foam box
  - Stow M-Bag on front of MPL1F2 rack (this bag launched on the back of the rack)
- **Item 117.1, 122, & 123:** Transfer S0-TO-NOD3 CABLE BAG CHANNEL 2/3 and GPS Antennas for EVA 3 TOOL CONFIG activity
- **Items 262 & 263:** Transfer ORUs and CDRA CO2 Selector Valve while the OGS rack is open for HOCK activities
- **Item 24:** Return HOCK CTB to MDDK
- Transfer remaining MPLM resupply items and begin transferring return items
- Stow Pre-pack bags that were temp stowed in Endcone bungee jail

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

- The STS-128 Transfer Team

MSG 051 - FD07 CREW CHOICE DOWNLINK

Below are your crew choice downlink opportunities based on Ku availability:

TDRS	AOS	LOS	Delta (min)	Notes
W	6/00:59	6/01:30	31	
Z	6/02:17	6/02:32	15	Analog Only Alpha Stop @ 6/02:21
W	6/02:34	6/02:48	14	
E	6/03:15	6/03:26	11	

END OF PAGE 1 OF 1, MSG 051

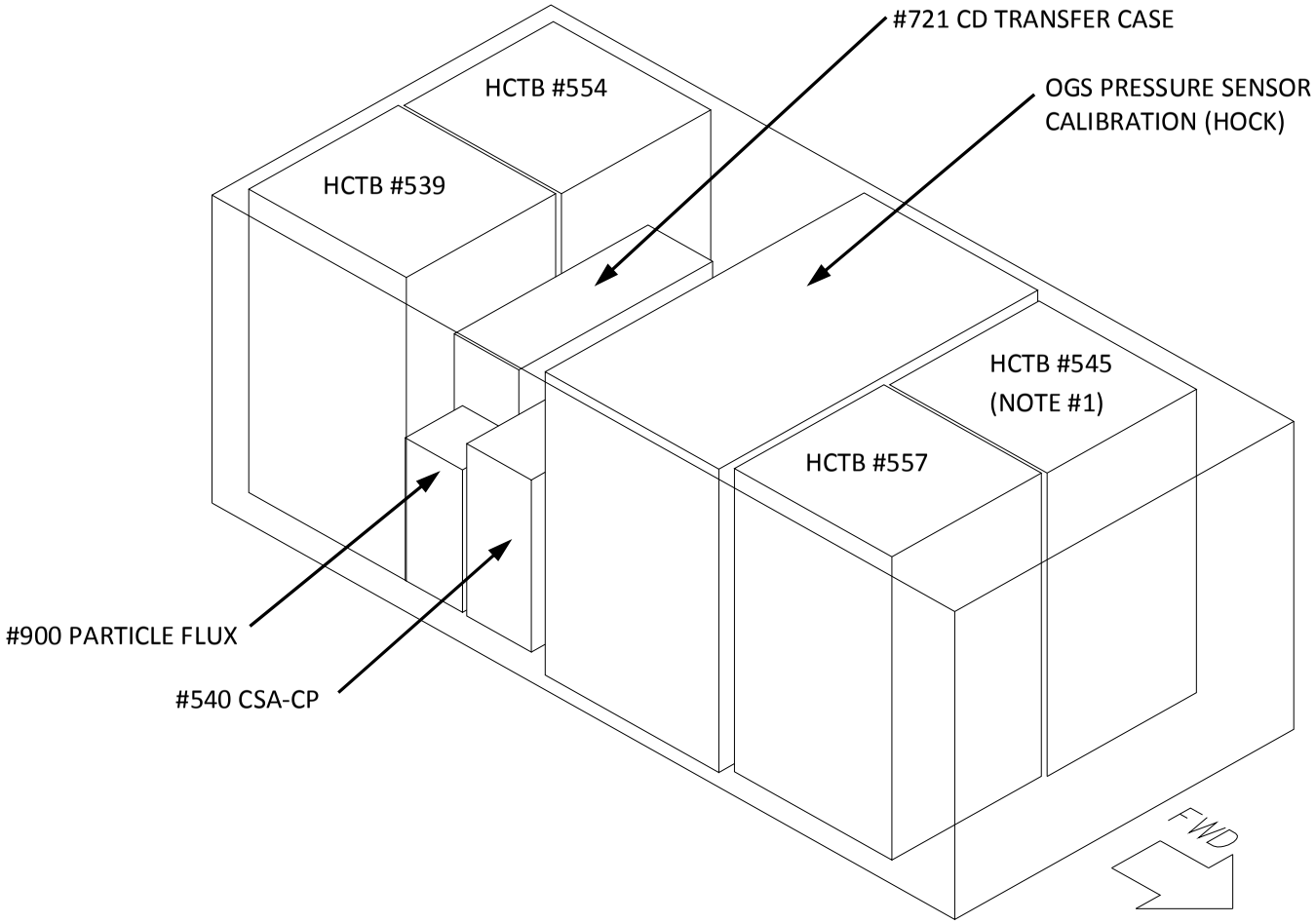
MSG 052 - 5 MLE RETURN STOWAGE LOCATIONS

Good morning STS-128 crew,

Attached are the 5-MLE bag layouts containing the return stowage configuration for bags A, D, and airlock floor (bag I). A message will be sent prior to cabin stow for the remaining bags and will include the final location in the middeck for each bag.

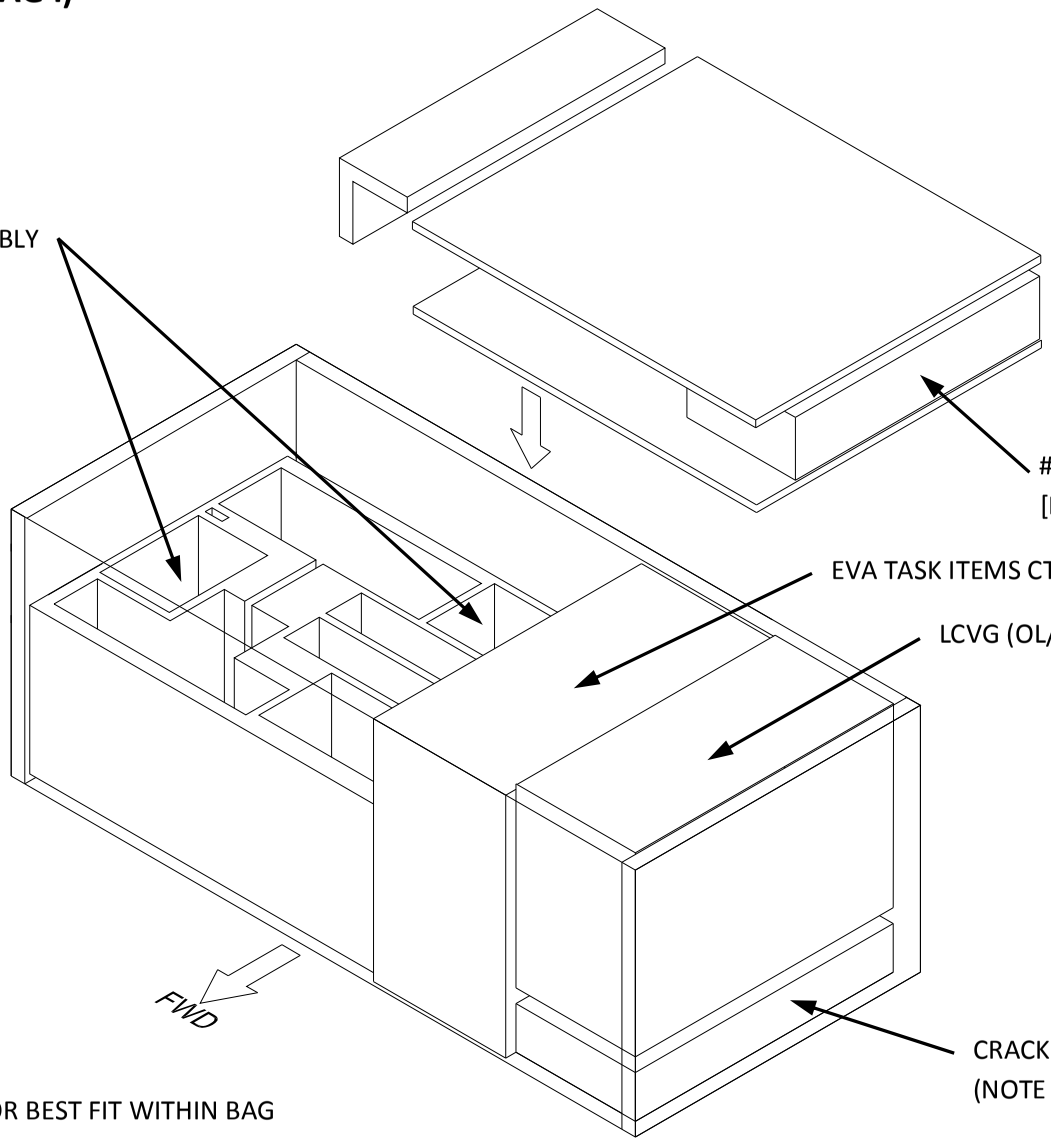
Note: HCTB #545 in Bag A requires two ziplock bags 36 x 36 to be retrieved from MD CEIL Port 2 (Bag F) to double bag the entire HCTB prior to stowage.

MD FLOOR PORT 1 (BAG A)



NOTE #1 DOUBLE BAG ENTIRE HCTB #545 WITH TWO 36 X 36 ZIPLOCKS RETRIEVED FROM MDK CEIL PORT 2 (BAG F).

EXT AIRLOCK FLOOR (BAG I)



NOTES:

#1 LOCATION SHOW IS AN OPTION, STOW FOR BEST FIT WITHIN BAG

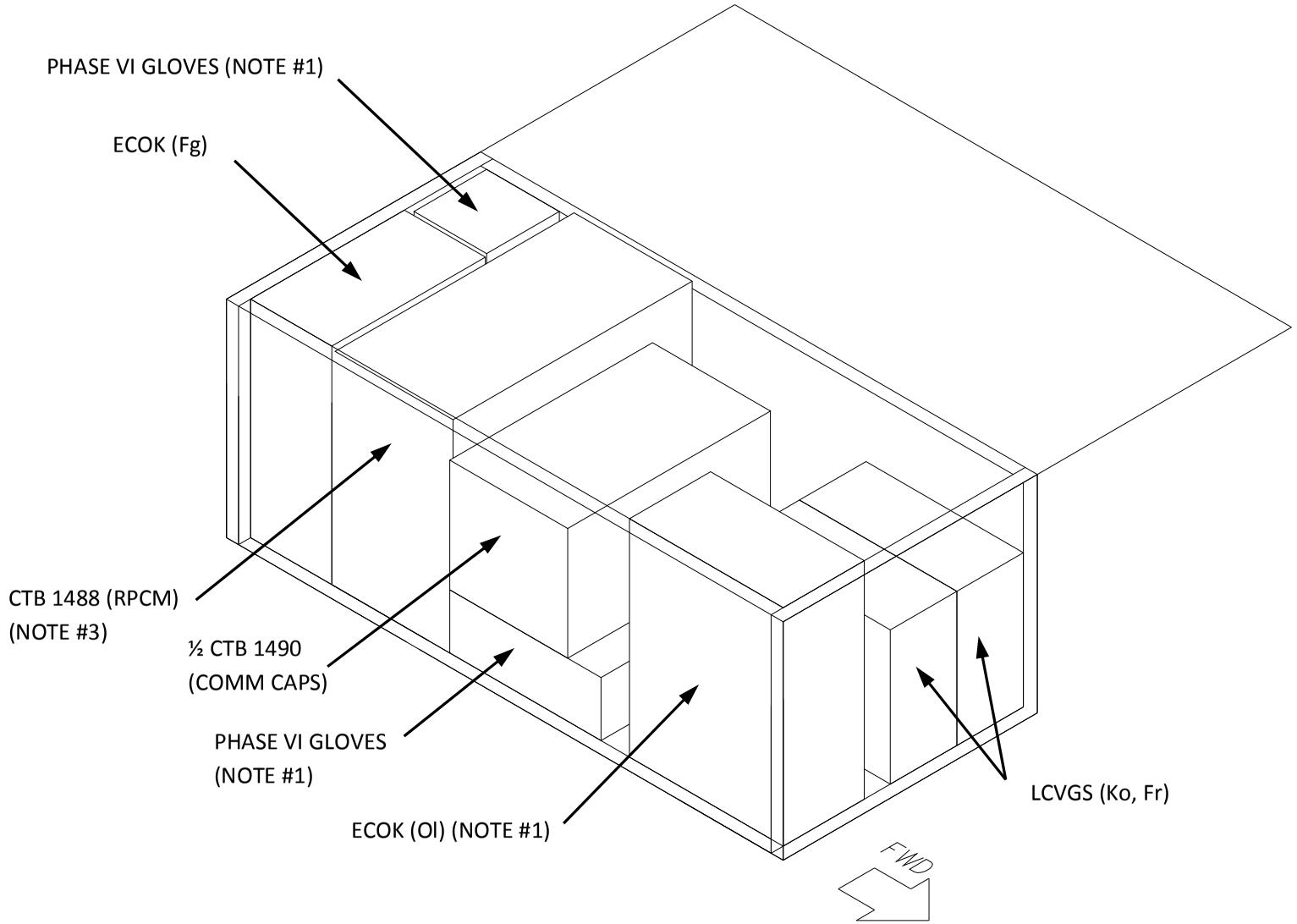
#2 ITEM SHOWN FOR REFERENCE - NOT A NEW RETURN ITEM

#3 REFERENCE PICTURE DECAL ON BAG LID FOR LOCATION OF UP/DN ITEMS

#4 ANY REMAINING HYGIENE ITEMS (LAUNCHED IN VOL B) MAY BE ADDED TO THIS BAG IF REQUIRED

END OF PAGE 3 OF 4, MSG 052

MD FLR STBD 2 (BAG D)



NOTES:

#1 ITEM SHOWN FOR REFERENCE - NOT A NEW RETURN ITEM

#2 DIDB FOAM NOT SHOWN TO REMAIN IN TOP OF BAG

#3 FILL REMAINDER OF CTB WITH SOFT GOODS IF REQUIRED TO PROTECT RPCM

END OF PAGE 4 OF 4, MSG 052

OBJECTIVE:

Gather additional data on Battery Charge Module(s) displaying anomalous signatures when charging non-EMU batteries. Several anomalous BCM signatures have been observed including several on Flight 2 J/A. Troubleshooting steps outlined in this procedure must be performed within 15 minutes of starting battery charging on the BCM(s).

DURATION:

15 Minutes maximum for troubleshooting

NOTE
All troubleshooting steps should be performed within 15 minutes of initiating battery charging.

TROUBLESHOOTING:

1. For BCMs with anomalous signatures:

1.1 Record displayed Volts and Amps. Notify **MCC-H**.

Record Volts: _____

Record Amps: _____

1.2 sw MODE → STOP.

1.3 Cycle through history on affected BCM(s) for all channels.

√DISPLAY – STOP SWITCH TOGGLED

1.4 Record any channels not displaying "STOP SWITCH TOGGLED". Notify **MCC-H**.

Record Affected Channels: _____

1.5 sw MODE → CHARGE. Notify **MCC-H**.

NOTE
MCC-H will monitor re-initiation of Battery charging. Up to 3 minutes are required for MCC-H to determine charging quality.

1.6 **On MCC-H GO**, perform step 2 or step 4.

2. If BCM anomalies recur, perform for affected BCMs:
   - 2.1 sw MODE → STOP
   - 2.2 sw MAIN POWER → OFF
   - 2.3 sw MAIN POWER → ON
   - 2.4 sw MODE → CHARGE

   NOTE
   MCC-H will monitor re-initiation of Battery charging. Up to 3 minutes are required for **MCC-H** to determine charging quality.

   - 2.5 **On MCC-H GO**, perform step 3 or step 4.

3. If BCM anomalies recur:
   - 3.1 All BCMs: sw MODE → STOP.
   - 3.2 All BCMs: sw MAIN POWER → OFF.
   - 3.3 Open BSA Door.
   - 3.4 Remove and then reseat affected batteries.
   - 3.5 Close BSA Door.
   - 3.6 All BCMs: sw MAIN POWER → ON.
   - 3.7 All BCMs: sw MODE → CHARGE.

   NOTE
   MCC-H will monitor re-initiation of Battery charging. Up to 3 minutes are required for **MCC-H** to determine charging quality.

4. Battery Charging will continue with **MCC-H** monitoring. Resume activities.