MSG 063B - RED FD06 FLIGHT PLAN REVISION

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1. Replace pg 1-7 in the VCD FE Experiment Ops Checklist with the MSG 072. Note: Steps 8, 11, and 17 were edited to include logging of MET and notifying MCC of MET logged.

2. Replace pg. 1-17 with MSG 075. Knob B problems have resulted in science-driven changes to feed protocol for tray 1.

3. MSG 077 is the test point parameter sheets for LSP12 through 15. Replace pages 10-15 through 10-18 in CM-2 (Part 3). This will save A/G traffic and bypass the need to uplink these parameters.

4. Replace pages 2-20, 2-22, 3-58, 3-60, 3-62, 3-64, and 3-66..

BETA -57.17

01/21/03 01:50:31 **REPLANNED**

GMT 01/21/03 (021): 04 05 06 07 08 09 10 11 12 13 14 15

CT 01/20/03 (020): 22 23 01/21 01 02 03 04 05 06 07 08 09

MET Day 004: 12 13 14 15 16 17 18 19 20 21 22 23 005/00

RED

CDR	HUSBAND	SLEEP; SLPLOG; SAMBSAL; POST SLEEP; HAND OVER; POST SLEEP; MNVR-ZLV; POST SLEEP; MNVR TDRS COMM; MNVR-ZSI; COMM2; FESDMP; MNVR+ZLV; PS/TVO2; MNVR-ZSI
MS2	CHAWLA	SLEEP; SLPLOG; SAMBSAL; POST SLEEP; HAND OVER; POST SLEEP; MEIDEX OPS; MXXFR; MXPGSC; ZCG; MXDTV; RECOVER; EXERCISE
MS4	CLARK	SLEEP; SLPLOG; SAMBSAL; BLOOD; POST SLEEP; HAND OVER; POST SLEEP; BDS MED SAMP & PCBA; BDS SAMP & FIX; BDS; VIDEO; BDS; PHOTO; TRAY
PS1	RAMON	SLEEP; SLPLOG; BLOOD; AMBSAL; POST SLEEP; HAND OVER; POST SLEEP; PHAB4 STOW; LSP 12; LSP12; MX PLAYBK

RED FD06

MCC

KU3	SMU; LSP; FAST; MAIL A/G; MGM; MAIL A/G; STAR; LSP; AST; MX; EXPK; STAR; FAST; LSP; MX; LSP; BDS; PL BK
MAIL	R:D B:D; B:U; R:U

DAY/NIGHT

ORBIT: 73 74 75 76 77 78 79 80 81

TDRS: E W Z

ATTITUDE: TDRE; -ZSI; TDRE; -ZSI; TDRW; -ZLV; -ZLV +XVV; +XLV +ZVV; -ZLV +XVV; +XLV +ZVV; TDRW; -ZLV +XVV; TDRW; -ZSI; +ZLV +XVV; -ZSI

SAA: H

CVX

MIST

SOLCON: CAL; SUN; CAL; SUN; CAL; CAL; SUN; CAL

SOLSE

LPT/MSTR: COMM; COMM; COMM; COMM; COMM; ML; COMM; COMM; COMM

MEIDEX: M; SPRT; M; SPRT; M; M

STARNAV: 13; 14

NOTES

BETA -55.93

01/21/03 01:50:31 **REPLANNED**

GMT 01/21/03 (021): 16 17 18 19 20 21 22 23 01/22 01 02 03

CT 01/21/03 (021): 10 11 12 13 14 15 16 17 18 19 20 21

MET Day 005: 005/00 01 02 03 04 05 06 07 08 09 10 11 12

RED	CDR HUSBAND	PAO; MNVR TDRS COMM; MEAL; MNVR; MONITOR; MNVR; SOMLNCVLRO; SOLCLO; SCIENC; MNVR; MONITOR; MNVR; SOMLNCVLRO; SOLCLO; SCIENC; MONITOR; MNOVNRI; MTONR; MNVR; SOMLNCVLRO; SOLCLO; SCIENC; MTONRI; FESTERM; MNOVNRI; MTONR; MNVR; SOLCLO; MNV-ZLV; SOLCLO; SCIENC; FUTR LD -ZLI; HAND OVER; PRE SLEEP; PDIP; PMC OCA; PRE SLEEP; SLEEP
RED	MS2 CHAWLA	PAO; MNVR; SOLSE; MEAL; MGM S/U 6; MGM ACT 6; GIRA; NIGHT; LSP 14; LSP 14; OUTLK; GIRAN; MORN; MGM DEACT 6; OARE*; MDDK; REDCK; HAND OVER; PRE SLEEP; SLEEP
RED	MS4 CLARK	PAO; AST1 DNLOAD; AST1; INJ1; MEAL; OSTEO; FEED6; ASTRT1; UCB; COUCHANGE; BCR DATA DL; EXERCISE; BONES7; CONCT2; SETUP*; FROZENA; SALIVA; HAND OVER; PRE SLEEP; SLEEP
RED	PS1 RAMON	PAO; SOLSE S/U; SCIENC; MEAL; LSP 13; SHUTDN; SHUTDN; FLUSH; EXERCISE; MX PLAYBK; MPFE CARD 5; MPFECK; MOD STATUS CK RED; FROZENA; SALIVA; HAND OVER; PRE SLEEP; SLEEP
MCC	KU3	PAO; MAIL A/G; MAIL A/G; FAST; LSP; SMU; SHAB; MGM; STAR; LSP; STAR; LSP; PL BK; EXPK; PFC; PMC; MX; CHC; LSP; FAST; LSP; PFC
	MAIL	R:D B:D; R:U; B:U
	DAY/NIGHT	
	ORBIT	81 82 83 84 85 86 87 88 89
	TDRS E W Z	
	ATTITUDE	-ZSI; TDRZ; BIAS -YLV +ZVV; -ZLV -XVV; -ZLI; TDRW; -XLV; TDRW; -XLV; -ZLV
	SAA	
	CVX	
	MIST	
	SOLCON	SUN; CAL
	SOLSE	VIS; UV; UV(-ZLV)
	LPT/MSTR	COMM; COMM; COMM; WRMUP
	MEIDEX	MOON CAL; SPRT; SPRT
	STARNAV	
	NOTES	*ACT *VIDEOCONFERENCE

STS-107 (RED FD06)

GMT Date 01/21 (021) | MET Day 004

TDRS W E | ORB 75 76 77 78 | ATT -ZLV +XLV +ZVV +XVV -ZLV +XLV +ZVV +XVV -ZLV +XLV +ZVV +XVV TDRW

GMT	HUSBAND CDR	CHAWLA MS2	CLARK MS4	RAMON PS1	MCC
16:00					
08:00					
17:00	SLEEP	SLEEP	SLEEP	SLEEP	
09:00					
18:00					
10:00					
19:00					
11:00	POST SLEEP	POST SLEEP	POST SLEEP	POST SLEEP	
20:00					

RED FD06 EZ ACTIVITIES:
Perform at earliest convenience:
OCAC FILTER INSPECTION
TEPC (Stat Ck) Step A6 (ORB OPS,CREW SYS)
Reboot PGSCs
>Set Router to High Data Rate (4M)

HUSBAND: SLP LOG(HLS,SLP3 NOM PROC); SALV COL(AMB)(HLS,PH4 NOMPRC)

CHAWLA: SLP LOG(HLS,SLP3 NOM PROC); SALV COL(AMB)(HLS,PH4 NOMPRC)

CLARK: SLP LOG(HLS,SLP3 NOM PROC); SALV COL(AMB)(HLS,PH4 NOMPRC); PHLEB.P. TI(SUB-BTTRFLY) (JSC-HLS, PHAB4 CC)

RAMON: SLP LOG(HLS,SLP3 NOM PROC); PHLEB.P. TI(SUB-BTTRFLY) (JSC-HLS, PHAB4 CC); SALV COL(AMB)(HLS,PH4 NOMPRC)

STS-107 (RED FD06)

GMT Date 01/21 (021) | TDRS W E | ORB | MET Day 004 | ATT

HUSBAND CDR	CHAWLA MS2	CLARK MS4	RAMON PS1	MCC
HANDOVER	HANDOVER	HANDOVER	HANDOVER	
POST SLEEP				
MNVR (TRK) -ZLV +XVV TG=2 BV=3 OM=180 B9/AUTO/VERN (4/20:46) Init TRK	POST SLEEP	POST SLEEP	POST SLEEP	
POST SLEEP	MEIDEX SCIENCE (PL OPS, FREESTAR) REF MSG 059	MEDIA SAMPLE & PCBA ANALYSIS (BDS-05, NOM PROC) REF MSG 055	HARDWARE RESTOW FD6 (JSC-HLS, PHAB4 NOM PROC)	
MNVR (TRK) TDRW TRK (LPT) TG=3 BV=3 OM=185 LAT=0 LON= -174 ALT=19323 B9/AUTO/VERN (4/21:40)Init TRK	MEIDEX CLOSEOUT(PL OPS,FS) Step 5, REF MSG 059 MEIDEX PGSC S/U(PL OPS,FS)St 5			TFL 188
MNVR (TRK) -ZSI (SOLCON) TG=5 RA=302.59 DEC=-20.07 BV=3 OM=296 B9/AUTO/VERN (4/22:13)Init TRK When in ATT, Change DAP to A10	ZCG MONITOR (ZCG, NOM PROC) MEIDEX DTV RECOVERY REF MSG 078 KU TDRE: 4/22:20-22:25	CELL SAMPLE & FIXATION (BDS-05, NOM PROC) VIEWPORT: REF MSG 073	LSP TEST #12 (CM-2, LSP NOM PROC) Steps 1-71 REF MSG 077 Video Req'd for Test Seq KU TDRW: 4/22:05-22:15 KU TDRE: 4/22:25-22:45	
COMM STRING 1 CHECKOUT (PART B) (ORB OPS, COMM/INST)				
SPLY H2O DMP W/FES(ORB OPS,ECLS)St 1	EXERCISE	VIDEO TISSUES (BDS-05, NOM PROC) KU TDRE: 4/22:55-23:00		
MNVR (TRK) BIAS +ZLV +XVV TG=2 BV=5 P=270 Y=30 OM=0 B9/AUTO/VERN(4/23:16)Init TRK		PHOTOGRAPH TISSUES (BDS-05, NOM PROC)	LSP TEST(CM2,LSP)St 72-74,77 PLAYBACK (P/TV, CUE CARD) MEIDEX DIGITAL KU TDRW: 4/23:25-5/00:00 Sprite: Orbit 44,61 NOTE: On Orb 44, playbk time 2/17:26:15-17:26:35	
P/TVO2 SETUP (IN CABIN ACT) (PHOTO/TV, SCENES)		MEDIA TRAY EXAMINE (BDS-05, NOM PROC)		
MNVR (TRK) -ZSI (SOLCON) TG=5 RA=302.66 DEC=-20.06 BV=3 OM=160 B9/AUTO/VERN (4/23:55)Init TRK When in ATT, Change DAP to A10		VIEWPORT: REF MSG 073		

STS-107 (RED FD06)

GMT Date 01/21 (021) | TDRS W E | ORB | MET Day 005 | ATT

HUSBAND CDR

- 00:00 PUBLIC AFFAIRS OPPTY
  KU AVAIL: TDRE 5/00:00-00:20
  REF MSG 070
- 16:00 MNVR (TRK) TDRZ TRK (LPT)
  TG=3 BV=3 OM=160
  LAT=0 LON=85 ALT=19323
  B9/AUTO/VERN (5/00:46)Init TRK
- 01:00 MEAL
- 17:00 Change Y=285.92 (5/01:45)Init TRK
  SOLSE MONITOR
  (PL OPS, FREESTAR)
  REF MSG 067
- 02:00 Change Y=286.12 (5/02:05)Init TRK
- 18:00 SOLSE CLOSEOUT(PL OPS,FS)St 1,2
  Change Y=285.67 (5/02:25)Init TRK
- SOLSE CLOSEOUT(PL OPS,FS)St 4,5,7
  SOLSE SCIENCE(PL OPS,FS)
  REF MSG 067,076
- 03:00 Change Y=285.92 (5/03:14)Init TRK
  SOLSE MONITOR
  (PL OPS, FREESTAR)
  REF MSG 067
- 19:00 Change Y=286.12 (5/03:36)Init TRK
- SOLSE CLOSEOUT(PL OPS,FS)St 1,2
  Change Y=285.67 (5/03:55)Init TRK
- 04:00

CHAWLA MS2

- PUBLIC AFFAIRS OPPTY
- MNVR (TRK)BIAS -YLV +ZVV (SOLSE)
  TG=2 BV=5 P=90 Y=285.67 OM=90
  B9/AUTO/VERN (5/01:15) Init TRK
  When in ATT, Change DAP to A10
- MEAL
- SETUP
  (MGM, NOM PROC)
  Test 6
- ACTIVATION (TEST 6)
  (MGM, NOM PROC)
  Steps 1-55
  Ref MSG 011
  KU TDRE: 5/03:35-03:45
- GALLEY OVERNIGHT CONFIG
  (ORB OPS, ECLS)

CLARK MS4

- PUBLIC AFFAIRS OPPTY
- DATA DOWNLOAD
  (AST, AST-10/1 NOM PROC)
- SAMPLING - INJECTION
  (AST, AST-10/1 NOM PROC)
- MEAL
- CELL FEEDING PREP
  FEED 6 (OSTEO, NOM PROC)
  REF MSG 075
- SAMPLING-RETRACTION
  (AST, AST-10/1 NOM PROC)

RAMON PS1

- PUBLIC AFFAIRS OPPTY
- SOLSE SETUP
  (PL OPS, FREESTAR)
  REF MSG 067,076
- SOLSE SCIENCE(PL OPS,FS)
  REF MSG 067,076
- MEAL
- LSP TEST #13
  (CM-2, LSP NOM PROC)
  Steps 1-64
  REF MSG 077
  Video Req'd for Test Seq
  KU TDRW: 5/02:50-03:00
- LSP SHTDN EVAC(CM-2,NOM PROC)St 1-5
- LSP SHTDN EVAC (CM-2,NOM PROC)St 6-12
- LSP GC FLUSH(CM2,NOMPROC)St 11-12
- EXERCISE

MCC

STS-107 (RED FD06)

GMT Date 01/21 (021) | T D R S W E | O R B | MET Day 005 | ATT

HUSBAND CDR

04:00
SOLSE CLOSEOUT(PL OPS,FS)St 4,5,7
SOLSE SCIENCE(PL OPS,FS)
REF MSG 067,076
SOLSE MONITOR
(PL OPS, FREESTAR)
REF MSG 067
Change Y=285.92 (5/04:45)Init TRK
SOLSE MONITOR
(PL OPS, FREESTAR)
REF MSG 067
05:00
Change Y=286.12 (5/05:06)Init TRK
SOLSE CLOSEOUT(PL OPS,FS)St 1,2
Change Y=285.44 (5/05:25)Init TRK
SOLSE CLOSEOUT(PL OPS,FS)St 4,5,7
SOLSE SCIENCE(PL OPS,FS)
REF MSG 067,076
SOLSE MONITOR
(PL OPS, FREESTAR)
REF MSG 067
06:00
SPLY H2O DMP W/FES(ORB OPS,ECLS)St 2 req'd
Change Y=285.70 (5/06:16)Init TRK
SOLSE MONITOR
(PL OPS, FREESTAR)
REF MSG 067
Change Y=285.90 (5/06:36)Init TRK
SOLSE CLOSEOUT(PL OPS,FS)St 1,2
MNVR (TRK)-ZLV -XVV (SOLSE)
TG=2 BV=3 OM=0 B9/AUTO/VERN(5/06:55)Init TRK
07:00
SOLSE CLOSEOUT(PL OPS,FS)St 4,5,7
SOLSE SCIENCE(PL OPS,FS)
REF MSG 067,076
FUTR LOAD MNVR (TRK) -ZLI (MOON CAL)
R=169 P=276 Y=332
B9/AUTO/VERN(5/08:25)Init MNVR
When in ATT, Change DAP to A9
08:00
HANDOVER

CHAWLA MS2

GALLEY OVERNIGHT CONFIG
(ORB OPS, ECLS)
LSP TEST #14
(CM-2, LSP NOM PROC)
Steps 1-71
REF MSG 077
Video Req'd for Test Seq
KU TDRW: 5/04:40-4:45
5/04:55-5:15
LSP TEST (CM-2, LSP NOM PROC)
Step 72-74,77
CLOSE OUTLK,CNFG PDIP:OCA, CALL MCC
GALLEY MORNING CONFIG
(ORB OPS, ECLS)
DEACT (TEST 3,6,9)
(MGM, NOM PROC)
Test 6
No Agitation Required
REF MSG 074
OARE ACTIVAT(PL OPS,OARE)
MD STATUS CHK-RED TEAM
(SH EH, CUE CARDS)
HANDOVER

CLARK MS4

URINE COLLECTION
(JSC-HLS, PHAB4 NOM PROC)
Perform Steps 23-24
BCR DATA DOWNLOAD
(JSC-HLS, PHAB4 CUE CARDS)
EXERCISE
COOL/FRZ 2 (BIOPK,BONES)St 7
CONNECT XFR 1 (BIOPACK, CONNECT)
Perform Step 2
VIDEOCONFERENCE (setup)
(ORB OPS, PGSC)
SALIVA COLLECT(FROZEN)
(JSC-HLS, PHAB4 NOM PROC)
Perform Steps 7-12 only
HANDOVER

RAMON PS1

EXERCISE
PLAYBACK
(P/TV, CUE CARD)
MEIDEX DIGITAL
KU TDRE: 5/05:15-5/05:30
Sprite: Orbit 66
CARD TRAY ANALYSIS (TRAYS 2-8)
(JSC-HLS, MPFE NOM PROC)
Perform steps 1-18
Tray 5
CARD TRAY ANLYS(HLS,MPFE)St 19-21
SH STATUS CHK-RED TEAM
(SH EH, CUE CARDS)
SALIVA COLLECT(FROZEN)
(JSC-HLS, PHAB4 NOM PROC)
Perform Steps 7-12 only
HANDOVER

MCC

20:00 21:00 22:00 23:00

ORB: 83 84 85 86

BIAS -YLV +ZVV -ZLV -XVV

STS-107 (RED FD06)

GMT Date 01/21 (021) | T D R S W E | O R B | MET Day 005 | A T T

HUSBAND CDR | CHAWLA MS2 | CLARK MS4 | RAMON PS1 | MCC

08:00 — HANDOVER (HUSBAND, CHAWLA, CLARK, RAMON)

00:00 — 86

DUAL SHIFT PRE-SLEEP (ORB OPS, CREW SYS) (HUSBAND)

OVERNIGHT CONFIG [A] (CHAWLA)

-ZLI

09:00 — **CONFIG PDIP JUMPER FOR OCA**

PRIV MED CONF VIDEOCONF(ORB OPS)
When complete, config PDIP for SHAB
KU TDRW: 5/09:00-09:15

DUAL SHIFT PRE-SLEEP (ORB OPS, CREW SYS) (CHAWLA, CLARK, RAMON)

OCA VIDEO PRIV MED CONFERENCE (MCC)

01:00 — 87

TDRW

DUAL SHIFT PRE-SLEEP (ORB OPS, CREW SYS) (HUSBAND)

-XLV

10:00

02:00 — 88

TDRW

11:00 — SLEEP (HUSBAND, CHAWLA, CLARK, RAMON)

03:00 — 89

-XLV

-ZLV

12:00

[A] OVERNIGHT CONFIG
- [ ] PAPER IN COLOR PRINTER
- [ ] FLOPPY DISK IN PROSHARE
- [ ] KFX LAUNCHED

CHECK APPLICATIONS CLOSED
- [ ] OUTLOOK