STS-122 / 1E

Entry Execute Package

MSG	Page(s)	Title
118B	1 - 12	FD14 – EOM +2 Flight Plan Revision **(pdf)**
114	13	Deorbit Prep Updates **(pdf)**
115	14 – 15	Entry Checklist Deltas **(pdf)**
116	16	Entry FIW Summary **(pdf)**
117B	17 - 21	Entry Summary **(pdf)**
119	---	Weather Predicts **(pdf – Electronic Only)**

Approved by FAO: *Terry Clancy*

Last Updated: Feb 19 2008 1:00PM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
114	Deorbit Prep Updates
115	Entry Checklist Deltas
116	Entry FIW Summary
117	Entry Summary
118	FD14 – EOM +2 Flight Plan Revision

1. REPLACE PAGES 2-47 THROUGH 2-52 AND 3-150 THROUGH 3-154.

FD13 02/19/08 06:36:45 **REPLANNED**

GMT 02/19/08 (050) 20 21 22 23 02/20 01 02 03 04 05 06 07

MET Day 012 012/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122

CDR FRICK	PRE SLEEP	SLEEP	POST SLEEP
PLT POINDEXTER	PRE SLEEP	SLEEP	POST SLEEP
MS1 MELVIN	PRE SLEEP	SLEEP	POST SLEEP
MS2 WALHEIM	PRE SLEEP	SLEEP	POST SLEEP
MS3 SCHLEGEL	PRE SLEEP	SLEEP	POST SLEEP
MS4 LOVE	PRE SLEEP	SLEEP	POST SLEEP
FE-2 EXP15 TANI	PRE SLEEP	SLEEP	POST SLEEP

A MNVR

DRY

LOG

SLVA

MADS*

DAY/NIGHT

ORBIT 191 192 193 194 195 196 197 198

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -ZLV -YVV

GND —DFR -DFR -MLA —DFR -WSS -MLA —DFR -WSS -MLA —DFR -WSS —DFR -WSS

NOTES *ENABLE

FD14 02/19/08 06:36:45 **REPLANNED**

GMT 02/20/08 (051) 08 09 10 11 12 13 14 15 16 17 18 19

MET Day 012 12 13 14 15 16 17 18 19 20 21 22 23 013/00

STS-122

CDR FRICK	PMC A/G	GRPB	PWRUP	UNMASK*	IMU ALIGN & VERIF	TRK	-XSI	DEORBIT PREP							Δ WSSH L-1 Comm Ck DEORBIT PREP BACKOUT			GRPB	PWRDN	FUTURE	LOAD*	PMC A/G	PRE SLEEP
PLT POINDEXTER	POST	SLEEP	GRPB	PWRUP	N2XOVR	DAP	POST SLEEP	DEORBIT PREP		KSC		KSC			DEORBIT PREP BACKOUT			GRPB	PWRDN		MCIU#	PRE SLEEP	
MS1 MELVIN	POST SLEEP				DTV ACT	WATCH	OCAC	STOW	DEORBIT PREP		DEORBIT		LANDING*		DEORBIT PREP BACKOUT			WATCH	OCAC	SETUP		PRE SLEEP	
MS2 WALHEIM	POST SLEEP			AIR*	WATCH	GIRA	DEACT	DEORBIT PREP			TIG*				DEORBIT PREP BACKOUT			WATCH	GIRA INSTALL				PRE SLEEP
MS3 SCHLEGEL	POST SLEEP				MAUSCH	WATCH	STOW*	DEORBIT PREP		#					DEORBIT PREP BACKOUT			WATCH				PRE SLEEP	
MS4 LOVE	POST SLEEP			WATCH	PGSC STOW PART II			DEORBIT PREP		#					DEORBIT PREP BACKOUT			WATCH				PRE SLEEP	
FE-2 EXP15 TANI	POST SLEEP							DEORBIT PREP							DEORBIT PREP BACKOUT							PRE SLEEP	

ORBIT	TIG
K202	12/17:14
K203	12/18:50
E204	12/20:20

DAY/NIGHT

ORBIT 199 200 201 202 203 204 205 206

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -XSI COMM LANDING -ZLV -XVV

GND —MLA —MLA —WSS —DFR —WSS —DFR —WSS

NOTES *IMU 2 BITE *SAMPLE *SALIVA KIT ***KSC TIG 12/17:14** ***KSC LANDING 12/18:22** #FILTER CHECK *-ZLV +YVV TG=2 BV=3 OM=270 A6/AUTO/ALT (13/02:00)Init TRK

#SDBI 1503
(Midodrine Pill)

FLT PLN/122/FLIGHT

GMT 02/20/08 (051) 20 21 22 23 02/21 01 02 03 04 05 06 07

MET Day 013 013/00 01 02 03 04 05 06 07 08 09 10 11 12

MNVR

FD15

STS-122

CDR FRICK	PRE SLEEP	SLEEP		POST SLEEP
PLT POINDEXTER	PRE SLEEP	SLEEP		POST SLEEP
MS1 MELVIN	PRE SLEEP	SLEEP	LOG	POST SLEEP
MS2 WALHEIM	PRE SLEEP	SLEEP	LOG	POST SLEEP
MS3 SCHLEGEL	PRE SLEEP	SLEEP	LOG	POST SLEEP
MS4 LOVE	PRE SLEEP	SLEEP	LOG	POST SLEEP
FE-2 EXP15 TANI	PRE SLEEP	SLEEP		POST SLEEP

DAY/NIGHT

ORBIT 207 208 209 210 211 212 213 214

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -ZLV -XVV -ZLV +YVV

GND DFR DFR WSS DFR WSS DFR WSS DFR

NOTES

FD15 — **EOM + 1** — 02/19/08 06:36:45 — **REPLANNED**

GMT 02/21/08 (052) — MET Day 013 — 014/00

STS-122

CDR FRICK	POST	SLEP	PMC A/G	GRPB	PWRUP	IMU ALIGN & VERIF	TRK	-XSI	DEORBIT PREP						DEORBIT PREP BACKOUT			GRPC	PWRDN	MNVR	DUMP	WASTE	INIT	PMC A/G
PLT POINDEXTER	POST SLEEP			GRPB	PWRUP	POST SLEEP			DEORBIT PREP	KSC		KSC			DEORBIT PREP BACKOUT			GRPC	PWRDN	PRE SLEEP				
MS1 MELVIN	POST SLEEP					DTV ACT*	WATCH	OCAC	STOW	DEORBIT PREP	DEORBIT		LANDING*		DEORBIT PREP BACKOUT			WATCH	OCAC	SETUP	MCIU*	PRE SLEEP		
MS2 WALHEIM	POST SLEEP						WATCH	GIRA	DEACT	DEORBIT PREP					DEORBIT PREP BACKOUT			WATCH	GIRA INSTALL					
MS3 SCHLEGEL	POST SLEEP						WATCH			DEORBIT PREP	TIG	#			DEORBIT PREP BACKOUT			WATCH	PRE SLEEP					
MS4 LOVE	POST SLEEP						WATCH			DEORBIT PREP	TIG*	#			DEORBIT PREP BACKOUT			WATCH	PRE SLEEP					
FE-2 EXP15 TANI	POST SLEEP									DEORBIT PREP					DEORBIT PREP BACKOUT			PRE SLEEP						

ORBIT	TIG
K218	13/17:37
E219	13/19:08
N219	13/19:09
K219	13/19:13
E220	13/20:42
N220	13/20:44

DAY/NIGHT

ORBIT: 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222

TDRS W -171.0 / E -46.0 / Z -275.0

ORB ATT: -XSI — COMM — LANDING — -ZLV +YVV

GND: MLA, MLA, MLA, DFR, WSS, DFR, WSS, DFR

NOTES: *Ref. MSG 111, Steps 1-2 — ***KSC TIG 13/17:37** — ***KSC LANDING 13/18:43** — *FILTER CHECK

#SDBI 1503 FLT PLN/122/FLIGHT

(Midodrine Pill)

FD15 **EOM + 2** 02/19/08 06:36:45 **REPLANNED**

GMT 02/21/08 (052) 20 21 22 23 02/22 01 02 03 04 05 06 07

MET Day 014 014/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-122

CDR FRICK	PRE SLEEP							SLEEP								POST SLEEP	PMC A/G	GRPC PWRUP	IMU ALIGN & VERIF
PLT POINDEXTER	PRE SLEEP	WASTE	TERM	MNVR	-ZLV	PRE SLEEP		SLEEP								POST SLEEP		GRPC PWRUP	POST SLEEP
MS1 MELVIN	PRE SLEEP							SLEEP							LOG	POST SLEEP			DTVACT*
MS2 WALHEIM	PRE SLEEP							SLEEP							LOG	POST SLEEP			
MS3 SCHLEGEL	PRE SLEEP							SLEEP							LOG	POST SLEEP			
MS4 LOVE	PRE SLEEP							SLEEP							LOG	POST SLEEP			
FE-2 EXP15 TANI	PRE SLEEP							SLEEP								POST SLEEP			

FD16

DAY/NIGHT

ORBIT 222 223 224 225 226 227 228 229 230

TDRS W -171.0 E -46.0 Z -275.0

ORB ATT -ZLV +YVV PTC

GND -DFR -MLA -DFR -WSS -MLA -DFR -WSS -MLA -DFR -WSS

NOTES *Ref. MSG 111, Steps 1-2

FD16 — **EOM + 2** — 02/19/08 06:36:45 — **REPLANNED**

GMT 02/22/08 (053) — MET Day 014 — 015/00

STS-122

CDR FRICK	♣	TRK / -XSI	DEORBIT PREP		
PLT POINDEXTER	POST	SLEEP	DEORBIT PREP	KSC	KSC
MS1 MELVIN	DTVACTH* / WATCH	OCAC / STOW	DEORBIT PREP	DEORBIT	LANDING*
MS2 WALHEIM	WATCH	GIRA / STOW	DEORBIT PREP		
MS3 SCHLEGEL	WATCH		DEORBIT PREP	TIG #	
MS4 LOVE	WATCH		DEORBIT PREP	TIG* #	
FE-2 EXP15 TANI			DEORBIT PREP		

ORBIT	TIG
K233	14/16:23
N234	14/17:55
K234	14/17:58
E235	14/19:28
N235	14/19:30

DAY/NIGHT

ORBIT: 230 231 232 233 234 235 236 237 238

TDRS: W -171.0 / E -46.0 / Z -275.0

ORB ATT: -XSI — COMM — LANDING

GND: -MLA; —MLA —WSS; —DFR —WSS; —DFR —WSS; —DFR

NOTES: ♣IMU ALIGN & VERIF

***KSC TIG 14/16:23** ***KSC LANDING 14/17:29**

#SDBI 1503
(Midodrine Pill)

STS-122 FD (14)

REPLANNED

GMT Date 02/20 (051) | W | TDRSE | Z | DORB | ORB | MET Day 012 | STS ATI

CDR FRICK | PLT POINDEXTER | MS1 MELVIN | NOTES

04:00 — 05:00 — 06:00 — 07:00 — 08:00 — 09:00 — 10:00 — 11:00 — 12:00

DORB 14, 15, 16 — ORB 196, 197, 198

STS ATI: -ZLV, -YVV

SLEEP (CDR FRICK)

SLEEP (PLT POINDEXTER)

SLEEP (MS1 MELVIN)

FD14 EZ ACTIVITIES BEFORE LEAVING FLIGHT PLAN:
OCAC FILTER INSPECTION
Stow CSA-CP

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

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

A6L MADS STRAIN GAUGE - PCM ENA

STS-122 FD (14)

REPLANNED

GMT Date 02/20 (051) | W | TDRSE | Z | DORB 14 15 16 | ORB 196 197 198 | MET Day 012 | STS ATT -ZLV -YVV

MS2 WALHEIM	MS3 SCHLEGEL	MS4 LOVE	FE-2 (DN) TANI	NOTES
SLEEP	SLEEP	SLEEP	SLEEP	
FLIGHT SLEEP LOG (ORB OPS, SDBI)	FLIGHT SLEEP LOG (ORB OPS, SDBI)	FLIGHT SLEEP LOG (ORB OPS, SDBI)	LIQUID SLVA SAMPLE(ORB OPS,SDBI)	
POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	DRY SALIVA CLCT(ORB OPS,SDBI)	
			POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)	

STS-122 FD (14)

REPLANNED

GMT Date 02/20 (051) | W E | T D R S E | Z | D O R B | O R B | MET Day 012 | STS ATT

CDR FRICK

PRIVATE MEDICAL CONFERENCE
Perform via A/G2

PRIORITY PWRUP GRP B
(ORB PKT, PRIOR PWRDN)
Steps 12,9,7,6(Dual G2),5

Unmask IMU 2 BITE: GNC 21 ITEM 25 EXEC (no MDIOW N2 XOVR vlv - CL

MNVR IMU STAR ALIGN ATT A (pg 3-154)
A5/AUTO/ALT Init MNVR (12/12:47)

IMU ALIGN - S TRK
(ORB OPS, GNC)

MNVR IMU VERIF ATT B (pg 3-154)
A5/AUTO/ALT Init MNVR

IMU ALIGN - S TRK
(ORB OPS, GNC)

MNVR (TRK) -XSI ATT
TG=4 BV=5 P=184 Y=0 OM=90
A5/AUTO/ALT Init TRK (13:11)

PLT POINDEXTER

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

PRIORITY PWRUP GRP B
(ORB PKT, PRIOR PWRDN)
Steps 12,9,7,6(Dual G2),5

Load DAP A5

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

MS1 MELVIN

POST-SLEEP ACTIVITY
(ORB OPS, CREW SYS)

DTV ACT
Ref. MSG 111, Step 2

DOFFING ACTIWATCH (ORB OPS, SDBI)

OCAC STOWAGE
(ORB OPS, CREW SYS)

NOTES

GO TO DEORBIT PREP @ 12/13:19

STS-122 FD (14)

REPLANNED

GMT Date 02/20 (051) | W | TDRS E | Z | DORB 1 2 3 | ORB 199 200 201 | MET Day 012 | STS ATI -ZLV -YVV -XSI COMM

MS2 WALHEIM | MS3 SCHLEGEL | MS4 LOVE | FE-2 (DN) | NOTES

12:00 — 13:00 — 14:00 — 15:00 — 16:00

08:00 — 09:00 — 10:00 — 11:00

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

AIR SAMPLE Rcd MET and location on bottle

DOFFING ACTIWATCH (ORB OPS, SDBI)

GIRA STOWAGE (ORB OPS, ECLS)

LBP-MUSCLE QSTION (ASSY PL, QSTION)

DOFFING ACTIWATCH (ORB OPS, SDBI)

SALIVA STOW (ORB OPS, SDBI)

DOFFING ACTIWATCH (ORB OPS, SDBI)

PGSC DEACT

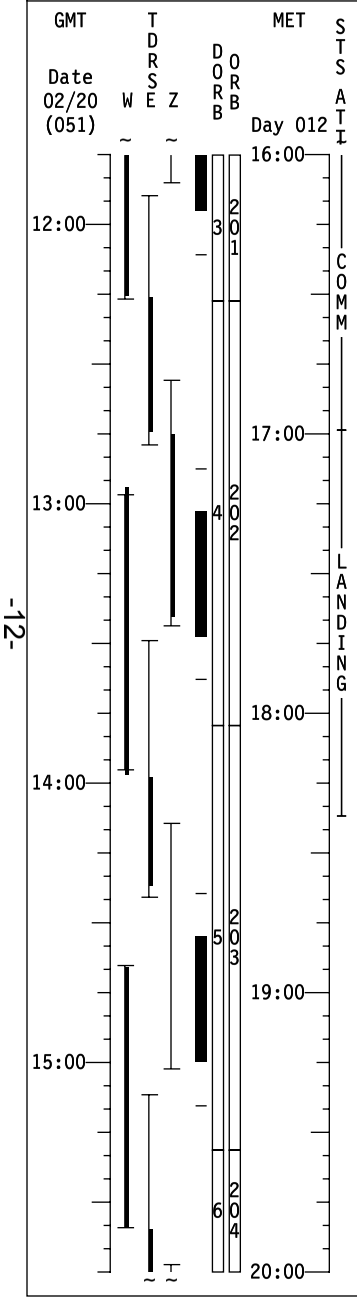
COLOR PRINTER STOW (ORB OPS, PGSC)

Stow remaining PGSCs and color printer

GO TO DEORBIT PREP @ 12/13:19

STS-122 FD (14)

REPLANNED



CDR
FRICK

PLT
POINDEXTER

MS1
MELVIN

NOTES

A IMU STAR ALIGN PAD

ID: -Y: 28, AL NA'IR
MET (12/12:42 TO 12/13:40)

ID: -Z: 48, ZUBENESCHEMALI
MET (12/12:54 TO 12/13:42)

ANG DIFF: 91.7

DUAL S TRKR ALIGNMENT	2nd ATTITUDE (SINGLE S TRKR) -Z: 28 -Y: 48	
R 301	R 211	22
P 117	P 118	134
Y 28	Y 43	26

REQD ID:

-Y: ____, -Z: ____, ANG ERR ____,____ ____

ANG:	1	2	3
ΔX	( )__,__ __	( )__,__ __	( )__,__ __
ΔY	( )__,__ __	( )__,__ __	( )__,__ __
ΔZ	( )__,__ __	( )__,__ __	( )__,__ __

EXECUTION TIME: ___/___:___:___ MET

B IMU VERIFICATION STAR ALIGN PAD

ID: -Y: 15, HADAR
MET (12/12:43 TO 12/13:32)

ID: -Z: 43, RASALHAGUE
MET (12/13:04 TO 12/13:52)

ANG DIFF: 84.1

DUAL S TRKR ALIGNMENT	2nd ATTITUDE (SINGLE S TRKR) -Z: 15 -Y: 43	
R 284	R 198	8
P 194	P 198	207
Y 7	Y 21	1

REQD ID:

-Y: ____, -Z: ____, ANG ERR ____,____ ____

ANG:	1	2	3
ΔX	( )__,__ __	( )__,__ __	( )__,__ __
ΔY	( )__,__ __	( )__,__ __	( )__,__ __
ΔZ	( )__,__ __	( )__,__ __	( )__,__ __

EXECUTION TIME: ___/___:___:___ MET

ORBIT OPS DELTAS

PAGE	PROCEDURE	ACTION

DEORBIT CHECKLIST UPDATES:

NOMINAL DEORBIT PREP CHECKLIST DELTAS

PAGE	TIG	CHANGE
1-11	-2:40	Prior to working Block 9, perform Step 3 of MSG 111
1-21	-2:40	At the completion of PORT PLBD closure in Step 5, perform Step 4 of MSG 111.
1-21	-2:40	At the completion of Block 9, perform Step 5 of MSG 111 and report the final condition of the radiator flex hoses.
1-29	-02:55	In Block 7: WAS: A7U PL BAY FLOOD MID PORT – ON IS: A7U PL BAY FLOOD MID PORT – OFF

ENTRY SWITCH LIST VERIFICATION DELTAS

PAGE	PANEL	NOMENCLATURE	NEW ENTRY SWITCH POSITION

DEORBIT PREP BACKOUT DELTAS

PAGE	ET	CHANGE
2-15	00:02	In Block 1: WAS: A7U PL BAY FLOOD MID PORT – ON IS: A7U PL BAY FLOOD MID PORT – OFF

END OF PAGE 1 OF 1, MSG 114

ENTRY CHECKLIST DELTAS

PAGE	PROCEDURE	ACTION
5-8	NH3 ACT (ENT C/L, POST LDG)	Use the following NH3 Controller: L1 NH3 CNTLR A – PRI/GPC
5-22	NH3 RECONFIG (ENT C/L, ASP EXT PWR UP)	Use the following NH3 Controller: L1 NH3 CNTLR B – SEC/ON

THIS TABLE MAY BE CUT AND PASTED OVER THE OLD OMS He PRESS/ΔV/BURN TIME TABLE, ENT PG FS2-6.

OMS He PRESS/ΔV/BURN TIME

OMS% GAGE	OMS He Press	OMS ΔV	RCS ΔV	RCS BURN MIN:SEC
31.5	2600	156	125	3:55
30	2540	147	118	3:41
28	2460	134	108	3:22
26	2380	122	98	3:03
24	2300	110	89	2:45
22	2220	98	79	2:26
20	2140	86	69	2:08
18	2060	73	59	1:49
16	1980	61	49	1:30
14	1900	49	39	1:12
12	1820	36	29	0:53
10	1740	24	19	0:35
8	1660	11	9	0:16

NOTE: Uses assumed vehicle weight of 214069 lbs

SYSTEM	FAILURE	IMPACT	WORK AROUND
APU	APU 3 Fuel Pump Drain Line Heater A was erratic.	'S88 APU FU LN 3' message will annunciate if heater fails on or off.	Alternate heater was selected (A12 APU HTR TK/FU LN/H2O SYS 3B) and is performing well. No further action required.
DPS	GPC 3 Mode Switch Anomaly	GPC 3 was not used for Rendezvous. Due to the re-IPL, G3 Archive is no longer resident in GPC 3.	GPC 3 re-IPLed. GPC 3 will be used for entry with nominal NBAT.
ECLS	N2 Sys 2 Flow transducer erratic.	None.	Hardware and software FDA was inhibited.
EPS 1	Fuel Cell 3 O2 Flowmeter Erratic.	Loss of insight into Fuel Cell 3 O2 flow on SM 69 FUEL CELLS. Associated FDA have been inhibited	None: MCC will monitor FC 3 health.
EPS 2	Mid Port Payload Bay Floodlight is not working properly.	Mid Port Payload Bay Floodlight is unavailable.	Mark Switch: A7U PL BAY FLOOD MID PORT to preclude turning ON. Other Payload Floodlights still available for use.
RCS	Aft Vernier Heater Circuit Fail Off	Loss of VRCS control. Vernier jets cannot be maintained above the operational injector temp limit.	Use ALT DAP for attitude control

END OF PAGE 1 OF 1, MSG 116

ORBIT IS 188 X 175 NM
DEORBIT DELTA V WILL BE APPROXIMATELY 302 FPS IN-PLANE.

AT THE DEORBIT BURN, YOU WILL HAVE (%):
L OX = 31.6 R OX = 32.6
L FU = 31.7 R FU = 32.3

THE PREDICTED POST DEORBIT BURN OMS QUANTITIES ARE AS FOLLOWS (%):
L OX = 7.2 R OX = 8.4
L FU = 7.7 R FU = 8.1

FORWARD RCS DUMP: FU TO 0%

CG AT EI: X = 1079.1
CG AT M2.5: X = 1078.0
Y = -0.4

ATMOS ITEM: 22
ELEV. SCHED: AUTO
BODY BENDING FILTER: ALT

SITE: **KSC** REV: **202**

CROSS RANGE WILL BE 401 NM A/L

ROLL REVERSAL HISTORY:
V= 16400 FPS
V= 8600 FPS
V= 3700 FPS

DEORBIT TIG: 12/17:14
LANDING APPROX: 12/18:22

SITE: **KSC** REV: **203**

CROSS RANGE WILL BE 486 NM A/R

ROLL REVERSAL HISTORY:
V= 15400 FPS
V= 7700 FPS
V= 3700 FPS

DEORBIT TIG: 12/18:50
LANDING APPROX: 12/19:57

```
WX FCST: FEW030 SCT080 SCT300 VIS 7  | WX FCST: SCT030 SCT080 SCT300 VIS 7
                                     |
WIND FCST:                           |      WIND FCST:
    50K   260/85                     |              50K   260/85
    38K   270/105                    |              38K   270/105
    28K   270/65                     |              28K   270/65
    20K   270/50                     |              20K   270/50
    12K   270/30                     |              12K   270/30
     7K   280/20                     |               7K   280/20
     3K   100/10                     |               3K   100/10
     1K   030/10                     |               1K   030/10
   SFC    030/6P9                    |             SFC    040/10P16
                                     |
ALTIMETER: 30.24                     |      ALTIMETER: 30.27
DENSITY ALTITUDE:  -543 FT           |      DENSITY ALTITUDE:  -229 FT
                                     |
HAC PROCEDURES:                      |      HAC PROCEDURES:
  RIGHT OVHD TO KSC33                |        RIGHT OVHD TO KSC33
  TURN ANGLE 300 DEG                 |        TURN ANGLE 270 DEG
  AIM POINT: NOM                     |        AIM POINT: NOM
  SPEEDBRAKE: NOM                    |        SPEEDBRAKE: NOM
  TD 2100 FT AT 195 KTS              |        TD 2200 FT AT 195 KTS
  3K SPEEDBRAKE: 15%                 |        3K SPEEDBRAKE: 15%
  NAV AIDS STATUS: GREEN             |        NAV AIDS STATUS: GREEN
-----------------------------------------------------------------------
CONUS NOTAMS:
        EDWARDS (EDW) – ALL LAKEBED RWYS RED (WET)
        WHITE SANDS (NOR) – ALL LAKEBED RWYS GREEN

24 HOUR DELAYED DEORBIT: SITE KSC ORBIT 218 TIG 13/17:37 MET
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---------------------------------------------------------------------------
 SITE: EDW  REV: 204                    |   SITE: EDW  REV: 205
                                        |
CROSS RANGE WILL BE 281 NM A/L          |   CROSS RANGE WILL BE 462 NM A/R
                                        |
ROLL REVERSAL HISTORY:                  |   ROLL REVERSAL HISTORY:
    V= 18300 FPS                        |         V= 15800 FPS
    V= 10200 FPS                        |         V=  7900 FPS
    V=  4300 FPS                        |         V=  3800 FPS
                                        |
DEORBIT TIG:    12/20:20                |   DEORBIT TIG:    12/21:56
LANDING APPROX: 12/21:27                |   LANDING APPROX: 12/23:02
                                        |
WX FCST: SCT100 SCT250 VIS 7            |   WX FCST: SCT100 SCT250 VIS 7
     SLGT CHC RA WI 30NM                |        SLGT CHC RA WI 30NM
                                        |
WIND FCST:                              |   WIND FCST:
    50K    310/15                       |         50K    310/15
    38K    300/45                       |         38K    300/45
    28K    320/65                       |         28K    320/65
    20K    320/75                       |         20K    320/75
    12K    320/40                       |         12K    320/40
     7K    320/40                       |          7K    320/40
     3K    290/25                       |          3K    290/25
     1K    270/15                       |          1K    270/15
    SFC    260/9P17                     |        SFC    270/17P24
                                        |
ALTIMETER: 30.04                        |   ALTIMETER: 30.01
DENSITY ALTITUDE: 2062 FT               |   DENSITY ALTITUDE: 2300 FT
                                        |
HAC PROCEDURES:                         |   HAC PROCEDURES:
  RIGHT OVHD TO EDW22                   |     LEFT OVHD TO EDW22
  TURN ANGLE 205 DEG                    |     TURN ANGLE 190 DEG
  AIM POINT: NOM                        |     AIM POINT: NOM
  SPEEDBRAKE: NOM                       |     SPEEDBRAKE: NOM
  TD 2700 FT AT 195 KTS                 |     TD 2600 FT AT 195KTS
  3K SPEEDBRAKE: 15%                    |     3K SPEEDBRAKE: 15%
  NAV AIDS STATUS: GREEN                |     NAV AIDS STATUS: GREEN
---------------------------------------------------------------------------
```

ORBIT IS ___ X ___ NM
DEORBIT DELTA V WILL BE APPROXIMATELY ____ FPS WITH_____OUT OF PLANE WASTING.

AT THE DEORBIT BURN, YOU WILL HAVE (%):

L OX = ____ R OX = ____

L FU = ____ R FU = ____

THE PREDICTED POST DEORBIT BURN OMS QUANTITIES ARE AS FOLLOWS (%):

L OX = ____ R OX = ____

L FU = ____ R FU = ____

FORWARD RCS DUMP: _____

CG AT EI: X = _____

CG AT M2.5: X = _____

Y = _____

ATMOS ITEM: 22

ELEV. SCHED: AUTO

BODY BENDING FILTER: ALT

SITE: ___ REV: ___	SITE: ___ REV: ___
CROSS RANGE WILL BE ____ NM L/R	CROSS RANGE WILL BE ___ NM L/R
ROLL REVERSAL HISTORY:	ROLL REVERSAL HISTORY:
V= _____ FPS	V= _____ FPS
V= _____ FPS	V= _____ FPS
V= _____ FPS	V= _____ FPS
DEORBIT TIG: __/__:__:__	DEORBIT TIG: __/__:__:__
LANDING APPROX: __/__:__:__	LANDING APPROX: __/__:__:__

END OF PAGE 4 OF 5, MSG 117B

WX FCST: _____	WX FCST: _____
WIND FCST:	WIND FCST:
50K ___/___	50K ___/___
38K ___/___	38K ___/___
28K ___/___	28K ___/___
20K ___/___	20K ___/___
12K ___/___	12K ___/___
7K ___/___	7K ___/___
3K ___/___	3K ___/___
1K ___/___	1K ___/___
SFC ___/_____	SFC ___/_____
ALTIMETER: _____	ALTIMETER: _____
DENSITY ALTITUDE: _____ FT	DENSITY ALTITUDE: _____ FT
HAC PROCEDURES:	HAC PROCEDURES:
____ OVHD TO _____	____ OVHD TO _____
TURN ANGLE ____ DEG	TURN ANGLE ____ DEG
AIM POINT: NOM / CI	AIM POINT: NOM / CI
SPEEDBRAKE: NOM / SF	SPEEDBRAKE: NOM / SF
TD ____ FT AT ___ KTS	TD ____ FT AT ___ KTS
3K SPEEDBRAKE: ___%	3K SPEEDBRAKE: ___%
NAV AIDS STATUS: _____	NAV AIDS STATUS: _____

LAKEBED STATUS:

EDWARDS (EDW) – LAKEBED RWYS RED

WHITE SANDS (NOR) – _____

24 HOUR DELAYED DEORBIT: SITE ___ ORBIT ___ TIG __/__:__:__

END OF PAGE 5 OF 5, MSG 117B