STS-123 / 1J / A

FD 17 Execute Package

MSG	Page(s)	Title
156	1 - 9	FD17 Flight Plan Revision **(pdf)**
150B	10 - 12	Deorbit Prep C/L Updates **(pdf)**
151A	13	FIW SUMMARY **(pdf)**
152	14 - 15	Entry Summary **(pdf)**
153	---	Blank Entry Summary **(pdf - Electronic Only)**
154	16 - 19	ASSY OPS: DEORBIT PREP PAYLOAD PROCEDURE UPDATES **(pdf)**
155	20 - 21	Entry C/L Updates **(pdf)**

Approved by FAO: *D. Bristol*

Last Updated: Mar 25 2008 11:17PM GMT
JEDI *(**J**oint **E**xecute package **D**evelopment and **I**ntegration), v2.04.0003*

MSG INDEX

MSG NO.	TITLE
150	Deorbit Prep C/L Updates
151	FIW Summary
152	Entry Summary
153	Blank Entry Summary
154	Assy Ops: Deorbit Prep Payload Procedure Updates
155	Entry C/L Updates

1. REPLACE PAGES 2-58 THROUGH 2-63 AND 3-186 THROUGH 3-188.

GMT 03/26/08 (086) 015/00 07 08 09 10 11 12 13 14 15 16 17 18

MET β=52 Day 015 01 02 03 04 05 06 07 08 09 10 11 12

STS-123																						
FD16 CDR GORIE	*PRE SLEEP	^ MNVR TO -ZLV -YVV	SLEEP														**FD17** POST SLEEP	PMC A/G	POST SLEEP	GRPB	PWRUP	IMU ALIGN & VERIF	TRK	-XSI	D/O PREP
PLT JOHNSON	PRE SLEEP	SLEEP															SLEEP	POST SLEEP		DOFF*	GRPB	PWRUP	POST SLEEP	OCAC	STOW	D/O PREP
MS1 BEHNKEN	PRE SLEEP	SLEEP															SLEEP	POST SLEEP					SALSTW	DOFF*	PGSC^	D/O PREP
MS2 FOREMAN	PRE SLEEP	SLEEP															SLEEP	POST SLEEP					MADS^	DOFF*	GIRA	STOW	D/O PREP
MS3 DOI	PRE SLEEP	SLEEP															POST SLEEP									D/O PREP
MS4 LINNEHAN	PRE SLEEP	SLEEP															POST SLEEP								SAMPL	D/O PREP
MS5 EYHARTS	PRE SLEEP	SLEEP															POST SLEEP	PMC A/G	POST SLEEP					TEPC	PWRDN	MRLN	D/O PREP

STS									
DAY/NIGHT									
ORBIT	238	239	240	241	242	243	244	245	246
GND		-DFR -MLA	—WSS —DFR —MLA	—WSS —DFR	-DFR				
TDRS W -171									
TDRS E -46									
TDRS Z -275									
ORB ATT	-ZLV -YVV							IMU	-XSI

NOTES

*LEB TOWEL CHECK

*ACTIWATCH ^STOW PART II *ACTIWATCH ^ENABLE *ACTIWATCH

GMT 03/26/08 (086) | MET β=51 Day 015

12 13 14 15 16 17 18 19 20 21 22 23 03/27 01 02 03 04 05 06 016/00

FD17

STS-123

CDR GORIE	D/O PREP	D	K	MNVR TO WSS ^ COMM CHECK ATT DEORBIT PREP BACKOUT	GMEM	L-1 COMM CHK	MNVR*	HUD CAL	MNVR WASTE	GRPB	PWRDN	-ZLV -XVV	PRE SLEEP	PMC A/G	PRE SLEEP				
PLT JOHNSON	D/O PREP	E	S	DEORBIT PREP BACKOUT	GMEM	WATCH	WASTE	WINITE	GRPB	PWRDN	WASTE	TERM	PRE SLEEP						
MS1 BEHNKEN	D/O PREP	R	C	DEORBIT PREP BACKOUT	WATCH	GIRA INSTALL	PRE SLEEP												
MS2 FOREMAN	D/O PREP	B	L	DEORBIT PREP BACKOUT	WATCH	PRE SLEEP													
MS3 DOI	D/O PREP	I	A	DEORBIT PREP BACKOUT	MCIU*	PRE SLEEP													
MS4 LINNEHAN	D/O PREP	T	N	DEORBIT PREP BACKOUT	OCAC	SETUP	PRE SLEEP												
MS5 EYHARTS	D/O PREP	*	D	DEORBIT PREP BACKOUT	MRLN	PRE SLEEP													

ORBIT	TIG
K248	15/15:30
K249	15/17:05

STS

DAY/NIGHT								
ORBIT	246	247	248	249	250	251	252	253
GND					—MLA	—WSS —DFR	—WSS —DFR	—DFR

TDRS W -171 E -46 Z -275

ORB ATT: -XSI | COMM | ENTRY | +ZLV +XVV | HUD | -ZLV +YVV | -ZLV -XVV

*MNVR HUD

*FILTER CK

NOTES

***DEORBIT TIG (15/15:30)**

***KSC LANDING (15/16:37)**

03/25/08 17:44:05 **REPLANNED**

GMT 03/27/08 (087) 07 08 09 10 11 12 13 14 15 16 17 18

MET β=50 Day 016 016/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-123

	FD17	FD18(EOM+1)
CDR GORIE	SLEEP	POST SLEEP; PMC A/G; POST SLEEP; GRP B; PWR UP; IMU ALIGN & VERIF; TRK; XSI ♣
PLT JOHNSON	SLEEP	SLEEP; POST SLEEP; DOFF*; GRP B; PWR UP; OCAC; STOW ⊕
MS1 BEHNKEN	SLEEP	SLEEP; POST SLEEP; SALSTW; DOFF*; GIRA; STOW ♦
MS2 FOREMAN	SLEEP	SLEEP; POST SLEEP; DOFF* ®
MS3 DOI	SLEEP	POST SLEEP ♥
MS4 LINNEHAN	SLEEP	POST SLEEP △
MS5 EYHARTS	SLEEP	PMC A/G; POST SLEEP; MRLN ♠

STS

DAY/NIGHT	
ORBIT	254 255 256 257 258 259 260 261
GND	254: DFR, MLA; 255: WSS, DFR, MLA; 256: WSS, DFR, MLA; 257: DFR
TDRS W -171	
TDRS E -46	
TDRS Z -275	
ORB ATT	-ZLV -XVV — IMU

*ACTIWATCH

NOTES

♣D/O PREP
⊕D/O PREP
♦D/O PREP
®D/O PREP
♥D/O PREP
♠D/O PREP

GMT 03/27/08 (087) 12 13 14 15 16 17 18 19 20 21 22 23 03/28 01 02 03 04 05 06 017/00

MET β=49 Day 016

STS-123

FD18(EOM+1)

CDR GORIE	D/O PREP	D	K	DEORBIT PREP BACKOUT	GMEM	GRPB	PWRDN	PRE SLEEP	PMC A/G	PRE SLEEP	SLEEP
PLT JOHNSON	D/O PREP	E	S	DEORBIT PREP BACKOUT	GMEM	GRPB	PWRDN	WATCH	PRE SLEEP	SLEEP
MS1 BEHNKEN	D/O PREP	O	C	DEORBIT PREP BACKOUT	WATCH	GIRA INSTALL	PRE SLEEP	SLEEP
MS2 FOREMAN	D/O PREP	R	L	DEORBIT PREP BACKOUT	WATCH	PRE SLEEP	SLEEP
MS3 DOI	D/O PREP	B	A	DEORBIT PREP BACKOUT	MCIU*	PRE SLEEP	SLEEP
MS4 LINNEHAN	D/O PREP	U	N	DEORBIT PREP BACKOUT	OCAC	SETUP	PRE SLEEP	SLEEP
MS5 EYHARTS	D/O PREP	R	D	DEORBIT PREP BACKOUT	MRLN	PRE SLEEP	SLEEP
		N	I															
		*	N															
			G															
			*															

ORBIT	TIG
K264	16/15:53
K265	16/17:29
E266	16/18:59

STS

DAY/NIGHT

ORBIT: 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269

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

TDRS: W -171; E -46; Z -275

ORB ATT: -XSI; COMM; ENTRY; -ZLV -XVV; *FILTER CK

NOTES

***DEORBIT TIG (16/15:53)**

***KSC LANDING (16/16:59)**

03/25/08 17:44:05 **REPLANNED**

GMT 03/28/08 (088) 07 08 09 10 11 12 13 14 15 16 17 18

MET β=48 Day 017 017/00 01 02 03 04 05 06 07 08 09 10 11 12

STS-123	FD18(EOM+1)	FD19 (EOM+2)											
CDR GORIE	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	GRPB	PWRUP	IMU ALIGN & VERIF	TRK	-XSI	D/O PREP			
PLT JOHNSON	SLEEP	SLEEP	POST SLEEP	DOFF*	GRPB	PWRUP	POST SLEEP	OCAC	STOW	D/O PREP			
MS1 BEHNKEN	SLEEP	SLEEP	POST SLEEP	SALSTW	DOFF*	D/O PREP							
MS2 FOREMAN	SLEEP	SLEEP	POST SLEEP	DOFF*	D/O PREP								
MS3 DOI	SLEEP	POST SLEEP	GIRA	STOW	D/O PREP								
MS4 LINNEHAN	SLEEP	POST SLEEP	D/O PREP										
MS5 EYHARTS	SLEEP	POST SLEEP	PMC A/G	POST SLEEP	MRLN	D/O PREP							

STS									
DAY/NIGHT									
ORBIT	269	270	271	272	273	274	275	276	277
GND		—DFR —MLA	—WSS —DFR —MLA	—WSS —DFR	—DFR				
TDRS W -171 E -46 Z -275									
ORB ATT	-ZLV -XVV	IMU *ACTIWATCH	-XSI *ACTIWATCH						
NOTES									

03/25/08 17:44:05 **REPLANNED**

GMT 03/28/08 (088) 19 20 21 22 23 03/29 01 02 03 04 05 06

MET β=47 Day 017 12 13 14 15 16 17 18 19 20 21 22 23 018/00

STS-123

FD19 (EOM+2)

CDR GORIE	D/O PREP	
PLT JOHNSON	D/O PREP	
MS1 BEHNKEN	D/O PREP	
MS2 FOREMAN	D/O PREP	
MS3 DOI	D/O PREP	
MS4 LINNEHAN	D/O PREP	
MS5 EYHARTS	D/O PREP	

DEORBIT BURN*

KSC LANDING*

ORBIT	TIG
K279	17/14:44
K280	17/16:20
E281	17/17:50
N281	17/17:51
E282	17/19:25
N282	17/19:27

STS

DAY/NIGHT

ORBIT: 277 278 279 280 281 282 283 284 285

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

TDRS: W -171, E -46, Z -275

ORB ATT: COMM ENTRY

NOTES

***DEORBIT TIG (17/14:44)**

***KSC LANDING (17/15:47)**

STS-123 (FD17)

GMT Date 03/26 (086) | W | TDRSE | Z | DORB 15 16 1 2 | ORB 243 244 245 246 | MET Day 015 | STS ATI

CDR GORIE | PLT JOHNSON | MS3 DOI | MCC | NOTES

08:00 — SLEEP — SLEEP — SLEEP

15:00 — FLIGHT SLEEP LOG (ORB OPS, SDBI)

FD17 EZ ACTIVITES BEFORE LEAVING FLT PLN
Stow CSA-CP

09:00 — -ZLV -YVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

16:00

10:00 — O6 √UHF MODE - OFF
PRIVATE MEDICAL CONFERENCE
Perform via A/G 2

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

DOFF ACTIWATCH (ORB OPS, SDBI)

17:00 — PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 10,9,7,6(Dual G2),5

PRIORITY PWRUP GRP B (ORB PKT, PRIOR PWRDN) Steps 10,9,7,6(Dual G2),5

MNVR IMU STAR ALIGN ATT [A] (pg 3-188)
A/AUTO/VERN Init MNVR (15/10:45)
IMU ALIGN - S TRK (ORB OPS,GNC)

11:00 — IMU — MNVR IMU VERIF ATT [B] (pg 3-188)
B/AUTO/PRI Init MNVR
IMU ALIGN - S TRK (ORB OPS,GNC)

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS)

MNVR (TRK) -XSI ATT
TG=4 BV=5 P=184 Y=0 OM=270
A/AUTO/VERN Init TRK (15/11:22)

OCAC STOWAGE (ORB OPS, CREW SYS)

18:00 — -XSI

12:00

GO TO DEORBIT PREP AT MET 15/11:30

STS-123 (FD17)

GMT Date 03/26 (086) | W | TDRS E | TDRS Z | DORB 15 | DORB 16 | DORB 1 | DORB 2 | ORB 243 | ORB 244 | ORB 245 | ORB 246 | MET Day 015 | STS ATI

MS1 BEHNKEN | MS2 FOREMAN | MS4 LINNEHAN | MS5 EYHARTS | NOTES

08:00 — SLEEP (MS1, MS2, MS4, MS5)

FLIGHT SLEEP LOG (ORB OPS, SDBI) — FLIGHT SLEEP LOG (ORB OPS, SDBI)

15:00

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS5

09:00 — -ZLV

PRIVATE MEDICAL CONFERENCE
Perform via A/G 2

16:00 — -YVV

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS1

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS2

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS4

10:00

POST-SLEEP ACTIVITY (ORB OPS, CREW SYS) — MS5

17:00

11:00 — IMU

A6L MADS STRAIN GAGE - PCM ENA
DOFF ACTIWATCH (ORB OPS, SDBI)
GIRA STOWAGE (ORB OPS, ECLS)

SALIVA STOW (ORB OPS, SDBI)
DOFF ACTIWATCH (ORB OPS, SDBI)
PGSC DEACT (ORB OPS, PGSC)
Stow WINDECOM machine

TISSUE EQUIV PROPORTIONAL CNTR (TEPC) (ORB OPS, CREW SYSTEMS)
Powerdown

AIR SAMPLE Rcd MET & location on bottle

ASSY OPS: MERLIN STATUS CK (CC)

18:00 — -XSI

12:00

GO TO DEORBIT PREP AT MET 15/11:30

A IMU STAR ALIGN PAD

ID: -Y: 43 RASALHAGUE
MET (15/10:29 TO 15/11:17)

-Z: 15, HADAR
MET (15/10:41 TO 15/11:33)

ANG DIFF: 84.1

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z:43 -Y:15	
R	349	R 261	77
P	23	P 13	34
Y	338	Y 348	348

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

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

EXECUTION TIME: ____/___:___:___MET

B IMU VERIFICATION STAR ALIGN PAD

ID: -Y: 26, FOMALHAUT
MET (15/10:57 TO 15/11:41)

-Z: 17, ACRUX
MET (15/10:45 TO 15/11:38)

ANG DIFF: 85.6

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR) -Z:26 -Y:17	
R	351	R 333	287
P	39	P 326	187
Y	65	Y 54	50

REQD ID:

-Y: _____, -Z: _____, ANG ERR____,____ ____

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

If any ΔX, ΔY, OR ΔZ > 0.1 Check MCC

EXECUTION TIME: ____/___:___:___MET

1 **NOMINAL DEORBIT PREP CHECKLIST DELTAS**

PAGE	TIG	CHANGE
1-8 Block 6	-03:15	Delete “If OV105” steps
1-11	-02:52	Was: If reqd, PAYLOAD DEACT (PL OPS, DEORBIT PREP) or PAYLOAD DEACTIVATION (SODF: ASSY OPS: DEORBIT PREP) Is: PAYLOAD DEACT (Ref Message 154)
1-13	-02:01	Was: G50, B50 √GPS, INCORPORATE Is: G50 √GPS, INCORPORATE
1-15	-01:55	Was: PAYLOAD ENT SW LIST/VERIF (PL OPS, DEORB PREP) or PAYLOAD ENTRY SWITCH LIST VERIFICATION (SODF:ASSY OPS: DEORBIT PREP) Is: PAYLOAD ENTRY SWITCH LIST/VERIFICATION (Ref Message 154)
1-15	-01:54	Block 14 Was: O6 UHF SPLX/EVA PWR AMP - ON Is: √ O6 UHF SPLX/EVA PWR AMP – OFF
1-29	-02:51	Was: If reqd, PAYLOAD DEACT (PL OPS, DEORBIT PREP) or PAYLOAD DEACTIVATION (SODF: ASSY OPS: DEORBIT PREP) Is: PAYLOAD DEACT (Ref Message 154)

PAGE	TIG	CHANGE
1-29	-01:55	Was: PAYLOAD ENT SW LIST/VERIF (PL OPS, DEORB PREP) or PAYLOAD ENTRY SWITCH LIST VERIFICATION (SODF:ASSY OPS: DEORBIT PREP) Is: PAYLOAD ENTRY SWITCH LIST/VERIFICATION (Ref Message 154)
1-32	-03:50	Block 3A Was: MO13Q 1. √AIRLK FAN A(B) – OFF Is: MO13Q 1. AIRLK FAN A(B) – OFF
1-32	-03:50	Block 3A Was: TNL EXT 2. Disconnect bypass duct from middeck floor air fitting and strap to Tunnel Extension wall. Is: TNL EXT 2. Disconnect bypass duct from the Airlock Fan outlet and strap to Tunnel Extension Wall. Install cap on Airlock Fan outlet. Disconnect Airlock Fan inlet duct from Aft Middeck floor fitting. Disconnect other end of Airlock Fan inlet duct from Airlock Fan muffler inlet and stow duct on tunnel extension wall.
1-32	-03:50	Block 3A Was: MA73C:G 4. Unstow, install diffuser cap on middeck floor air fitting Is: MDDK 4. Unstow, install diffuser cap (in closed position) on Aft Middeck Floor fitting.

ENTRY SWITCH LIST VERIFICATION DELTAS

PAGE	PANEL	NOMENCLATURE	NEW ENTRY SWITCH POSITION
C3-18	06	UHF SPLX/EVA PWR AMPL	OFF

DEORBIT PREP BACKOUT DELTAS

PAGE	ET	CHANGE
2-7 2-15 2-17 CC8-4	00:40	Was: If reqd, PAYLOAD REACT (PL OPS, <u>DEORB PREP</u>) or PAYLOAD REACTIVATION (SODF: ASSY OPS: DEORBIT PREP) Is: PAYLOAD REACTIVATION (Ref Message 154)

SYSTEM	FAILURE	IMPACT	WORK AROUND
APU	APU 3 seal cavity drain system pressure decay	None. Drain system is leaking N2 only; no appreciable amount of fuel is present.	None. Drain system pressure can be monitored on SM SYS SUMM 2, APU 3 PMP LK P
ECLS	FES Pri A shutdown for both Full-Up and Topping-only FES Pri A operations.	Loss of Pri FES controller redundancy.	Use FES Pri B for the remainder of the mission.
OMS	LOMS N2 Tank is experiencing pressure decay at a rate of approximately 0.55 psi/hr.	At the current leak rate there is no impact to operations.	No action required.
RCS	DSC OL1 CD1	Loss of fail-leak RM for LRCS Manf 2 jets and L5L.	LRCS Manf 2 jets have been placed in last priority and reselected. Prior to Entry, L2L will be deselected. If required, a GMEM will be performed to regain fail-leak RM for L5L. Verns will be operated with L5L unavailable until the GMEM is implemented

ORBIT IS 189 X 182 NM
DEORBIT DELTA V WILL BE APPROXIMATELY 307 FPS IN-PLANE.

AT THE DEORBIT BURN, YOU WILL HAVE (%):
L OX = 32.4 R OX = 32.2
L FU = 31.9 R FU = 32.0

THE PREDICTED POST DEORBIT BURN OMS QUANTITIES ARE AS FOLLOWS (%):
L OX = 7.4 R OX = 7.2
L FU = 7.0 R FU = 7.1

FORWARD RCS DUMP: FU TO 0%

CG AT EI: X = 1080.7
CG AT M2.5: X = 1079.6
Y = -0.4

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

SITE: **KSC** REV: **248**	SITE: **KSC** REV: **249**
CROSS RANGE WILL BE 761 NM A/L	CROSS RANGE WILL BE 187 NM A/R
ROLL REVERSAL HISTORY:	ROLL REVERSAL HISTORY:
V= 7400 FPS	V= 19600 FPS
V= 4300 FPS	V= 10400 FPS
	V= 4400 FPS
DEORBIT TIG: 15/15:30	DEORBIT TIG: 15/17:05
LANDING APPROX: 15/16:37	LANDING APPROX: 15/18:11
WX FCST: SCT035 VIS 7	WX FCST: SCT035 VIS 7
WIND FCST:	WIND FCST:
50K 270/50	50K 270/50
38K 280/50	38K 290/50
28K 280/25	28K 280/25
20K 300/15	20K 300/10
12K 300/10	12K 310/10
7K 250/05	7K 260/05
3K 120/15	3K 120/15
1K 090/10	1K 100/10
SFC 090/8P12	SFC 090/7P10
ALTIMETER: 30.27	ALTIMETER: 30.28
DENSITY ALTITUDE: 383 FT	DENSITY ALTITUDE: 177 FT

```
HAC PROCEDURES:                          | HAC PROCEDURES:
    LEFT OVHD TO KSC15                   |   LEFT OVHD TO KSC15
    TURN ANGLE 190 DEG                   |   TURN ANGLE 255 DEG
    AIM POINT: NOM                       |   AIM POINT: NOM
    SPEEDBRAKE: NOM                      |   SPEEDBRAKE: NOM
    TD 2400 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) – LAKEBED RUNWAY 15/33 GREEN ELS ONLY.
                        ALL OTHER LAKEBED RWYS RED.
        WHITE SANDS (NOR) – ALL LAKEBED RWYS GREEN

24 HOUR DELAYED DEORBIT: SITE KSC ORBIT 264 TIG 16/15:53 MET
```

PAYLOAD DEACTIVATION

OBJECTIVE:
Deactivate payload power.

L12U (SSP1)	1.	cb SW PWR 1 CAM PWR – op cb PDIP 1 PWR 2/KuBAND RLY – op cb PDIP 1 PWR 1 – op
L12L (SSP2)	2.	cb PDIP 2 PWR 2 – op cb PDIP 2 PWR 1 – op KEEL CAM HTR/ILLUM PWR – OFF cb CAM SW PWR – op
L12 (PDIP1)	3.	Ku BAND RATE – OFF
R1	4.	PL CAB – OFF

PAYLOAD REACTIVATION

R1	1.	PL CAB – MNA
L12L (SSP2)		cb CAM SW PWR – cl
		KEEL CAM HTR/ILLUM PWR – ON

PAYLOAD ENTRY SWITCH LIST/VERIFICATION

TIG-1:55

PAYLOAD PWR CONFIG

R1 1. ✓PL CAB – OFF
✓PL PRI MNC – ctr (tb–OFF)
✓PL PRI MNB – ctr (tb–OFF)
✓PL PRI FC3 – ctr (tb–OFF)
✓PL AUX – ON
✓PL AFT MNB – OFF
✓PL AFT MNC – OFF

L12U (SSP1) 2. ✓cb SW PWR 1 CAM PWR – op
✓cb PDIP 1 PWR 2/KuBAND RLY – op
✓TCS PWR – OFF (tb–bp)
✓cb PDIP 1 PWR 1 – op
✓OIU PWR – OFF

L12L (SSP2) 3. ✓KEEL CAM HTR/ILLUM PWR – OFF
✓KEEL CAM ENABLE – OFF
✓cb CAM SW PWR – OFF
✓cb PDIP 2 PWR 2 – op
✓C/L CAM PWR – OFF
✓RIGEX – ctr (tb – bp)
✓cb PDIP 2 PWR 1 – op

L12 (PDIP1) 4. ✓Ku BAND RATE – OFF
✓DC PWR 1 – OFF
✓DC PWR 2 – OFF

L11 (PDIP2) 5. ✓DC PWR 1 – OFF
✓DC PWR 2 – OFF

PAYLOAD ENTRY SWITCH LIST/VERIFICATION (continuation)

ML86B 6. ✓cb MN B MAR 1 – cl

ML85E 7. ✓cb DC 10 AMP MN B CB2 – cl
✓DC 10 AMP MN B S2 – ON

MF71E
(MERLIN) 8. ✓STATUS LED – lt off
✓cb MAIN – cl (lt on)
✓cb PAYLOAD – op (lt off)

ENTRY CHECKLIST DELTAS

Page	Procedure	Action
5-8	NH3 ACT (ENT CL, POST LDG)	Use the following NH3 Controller: L1 NH3 CNTLR B – PRI/GPC
5-22	NH3 RECONFIG (ENT CL, ASP EXT PWR UP)	Use the following NH3 Controller: L1 NH3 CNTLR A – PRI/GPC

THIS TABLE MAY BE CUT AND PASTED OVER THE OLD OMS He PRESS/ΔV/BURN TIME TABLE, ENT FS PG 2-6.

OMS He PRESS/ΔV/BURN TIME

OMS% GAGE	OMS He Press	OMS ΔV	RCS ΔV	RCS BURN MIN:SEC
31.9	2720	168	139	4:25
32	2720	169	140	4:26
30	2640	157	130	4:07
28	2560	145	120	3:48
26	2480	132	110	3:29
24	2400	120	100	3:10
22	2320	108	90	2:51
20	2240	96	80	2:32
18	2160	84	70	2:12
16	2080	72	60	1:53
14	2000	60	50	1:34
12	1920	47	40	1:15
10	1840	35	30	0:56
8	1760	23	19	0:37
6	1680	11	9	0:17

NOTE: Uses vehicle weight of **216,143**