

STS DATA SUMMARIES

7/6/01

PLANNING OVERVIEW/FLIGHT HARDWARE/FACILITY REQUIREMENTS

(Near-Term Flights - Two flights per vehicle - except during an OMDP. Follow-on flight of an OMDP will appear mid-flow)

NEAR-TERM FLTS.	STS-104/OV-104/24	STS-105/OV-103/30	STS-108/OV-105/17	STS-109/OV-102/27
PLANNING OVERVIEW	Program launch date rebaseline occurred at PRCB held 6/21	Mission day extension approved At 7/5/01 PRCB - Launch date U/R	Launch date rebaseline at PRCB held 5/4/01	Launch date rebaseline at PRCB held 5/10/01
LSFR/DELTA LSFR	1/11/01 (A) – 3/22/01 (A)	3/1/01 (A) – 4/12/01(A)	3/29/01 (A) – 5/24/01 (A)	2/22/01(A) – 5/24/01 (A)
CREW SIZE/MISSION DURATION	5/11	7/12 (Crew Rotation)	7/10 (Crew Rotation)	7/11
LAUNCH DATE/TIME (HH:MM:SS)	7/12/01 Time: 05:03:59 EDT	8/5/01 NET Time: 19:11:02 EDT	11/29/01 Time: 19:23:00 EST	1/17/02 Time: 14:40:00 EST
LANDING DATE/TIME - KSC	7/23/01 Time: 0100 EDT	8/17/01 Time: 1330 EDT	12/9/01 Time: TBD EST	1/28/02 Time: TBD EST
LAUNCH WINDOW (HH:MM:SS)	00:05:00	00:10:00	00:10:00	TBD
INSERTION ALT. / INCLINATION	122 NM / 51.6 Degrees	122 NM / 51.6 Degrees	122 NM / 51.6	308 NM / 28.45
FLIGHT SOFTWARE	OI-28	OI-28	OI-28	OI-28
FLIGHT HARDWARE				
DOWN PAYLOAD PROCESSING	ISS-07-5A /US LAB/LAB PDGF	ISS-08-5A.1	ISS-09-6A / MPLM2(P)-01	N/A
UP PAYLOAD PROCESSING	ISS-10-7A/AIRLOCK	ISS-11-7A.1	ISS-12-UF1 / MPLM2(P)-02	HST SM 3B
PAYLOAD INSTALLATION	Vertical	Vertical	Vertical	Vertical
PRSD TANK SETS	Prev. 5 / Curr. 5	Prev. 5 / Curr. 5	Prev. 5 / Curr. 5	Prev. X / Curr. 5
GN2 TANKS	Prev. 6 / Curr. 7	Prev. 6 / Curr. 6	Prev. 7 / Curr. 7 (U/R)	Prev. X / Curr. 5
RMS INSTALLED / #	Yes / #202	Yes / #301	Yes / #303	Yes / #201
INTERNAL/EXTERNAL AIRLOCK	External	External	External	Internal
TUNNEL ADAPTER	No	No	No	No
SRB/ET	Bi108 / RSRM: 80 / ET 109	Bi109 / RSRM: 81 / ET-110	Bi110 / RSRM: 82 / ET: 111	Bi111 / RSRM: 83 / ET: 112
SSME 1/2/3	2056-2A / 2051-2 / 2047-2A	2052-2A / 2044-2A / 2045-2A	2048-2/2051-2/2050-2	2043-2A/2053-2A/2049-2A
OMS POD	RP04/24/F4 - LP03/28/F4	RP03/31/F9 - LP01/33/F9	RP01/31/F6 – LP04/24/F6	RP05/15/F1 – LP05/16/F1
FRCS / FLT. # / FLTS. SINCE OMDP	FRC4/23/F3	FRC3/30/F7	FRC5/17/F6	FRC2/27/F1
FACILITY REQUIREMENTS				
TAL SITE (Post-Launch) (Prime/Alt.)	Zaragoza / Ben Guerir	Zaragoza	Zaragoza	Banjul / Ben Guerir
EOM LANDING SITE (Prime-Alt.)/CLS	KSC - DFRC / WSSH	KSC - DFRC / WSSH	KSC - DFRC / WSSH	KSC - DFRC / WSSH
OPF BAY	OPF Bay-3	OPF Bay-2	OPF Bay-1	OPF- Bay-1/3
VAB HIGH BAY (MATE) / MLP	VAB HB-1/MLP-2	VAB HB-3 / MLP-3	VAB HB-1/MLP-1	VAB HB-3/MLP-2
PAD	PAD-B	PAD-A	PAD-B	PAD-A
LAUNCH CONTROL CENTER	2/1	2/3	2/3	2/1

Contact: Catherine Downs, Integrated Project Management, (Manifest Planning) 1-7424

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TCID LOAD	2/21/01	4/7/01	5/23/01	4/28/01
NEAR TERM FLIGHTS	STS-110/OV-104/25	STS-111/OV-105/18		
PLANNING OVERVIEW	Launch date rebaseline at PRCB held 5/4/01	Launch date rebaseline at PRCB held 5/4/01		
LSFR/DELTA LSFR	7/5/01 (A) – 8/16/01	11/1/01 – 1/10/02		
CREW SIZE/MISSION DURATION	7-3 / 9	5 / 10 (Crew Rotation)		
LAUNCH DATE/TIME (HH:MM:SS)	2/28/02 (U/R) Time: TBD EST	4/18/02 Time: TBD EST		
LANDING DATE/TIME - KSC	3/9/02 Time: TBD EST	4/28/02 Time: TBD EST		
LAUNCH WINDOW (HH:MM:SS)	00:10:00	00:10:00		
INSERTION ALT. / INCLINATION	122 NM / 51.6	122 NM / 51.6		
FLIGHT SOFTWARE	OI-29	OI-29		
FLIGHT HARDWARE				
DOWN PAYLOAD PROCESSING	ISS-10-7A/AIRLOCK	ISS-12-UF1/MPLM1(P)-02		
UP PAYLOAD PROCESSING	ISS-13-8A / ITS SO	ISS-14-UF2/MPLM2(P)-03		
PAYLOAD INSTALLATION	Vertical	Vertical		
PRSD TANK SETS	Prev. 5 / Curr. 5	Prev. 5 / Curr. 5		
GN2 TANKS	Prev. 7 / Cur. 6	Prev 7 / Curr. 7 (U/R)		
RMS INSTALLED / #	Yes / #202	Yes / #303		
INTERNAL/EXTERNAL AIRLOCK	External	External		
TUNNEL ADAPTER	No	No		
SRB/ET	Bi112 / RSRM: 85 / ET-113	Bi113 / RSRM: 84 / ET-114		
SSME 1/2/3	2054-2/2044-2/2047-2	2056-2/2055-2/2045-2		
OMS POD	RP04/25/F5 – LP03/29/F5	RP01/32/F7 – LP04/25/F7		
FRCS / FLT. # / FLTS. SINCE OMDP	FRC4/24/F4	FRC5/18/F7		
FACILITY REQUIREMENTS				
TAL SITE (Post-Launch) (Prime/Alt.)	Zaragoza / Ben Guerir	Zaragoza		
EOM LANDING SITE (Prime-Alt.)/CLS	KSC – DFRC / WSSH	KSC – DFRC / WSSH		
OPF BAY	OPF- Bay-2/2	OPF Bay-1		
VAB HIGH BAY (MATE) / MLP	VAB HB-1/MLP-3	VAB HB-3 / MLP-1		
PAD	PAD-B	PAD-A		

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LAUNCH CONTROL CENTER	2/3	2/1	
TCID LOAD	TBD	TBD	

LONG RANGE FLT.	STS-107/OV-102/28	STS-112/OV-104/26	STS-113/OV-105/19
	Launch date rebaseline at PRCB held 5/10/01	FDRD baseline held at PRCB 5/4/01	FDRD baseline occurred at PRCB Held 7/5/01
LSFR/DELTA LSFR	12/20/01 – 2/14/02	2/7/02 – 3/28/02	3/21/02 – 5/9/02 (Under Review)
CREW SIZE / MISSION DURATION	7 / 16	6 / 10	6 / 10
LAUNCH DATE/TIME (HH:MM:SS)	5/23/02 Time: TBD	7/11/02 Time: TBD	8/22/01 Time: TBD
LANDING DATE/TIME - KSC	6/8/02 Time: TBD	7/21/02 Time: TBD	9/1/01 Time: TBD
LAUNCH WINDOW (HH:MM:SS)	TBD	00:10:00	00:10:00
INSERTION ALT. / INCLINATION	150 NM / 39.0	122 NM / 51.6	122 NM / 51.6
FLIGHT SOFTWARE	OI-29	OI-29	OI-29
FLIGHT HARDWARE			
DOWN PAYLOAD PROCESSING	HST SM 3B	ISS-13-BA-ITS SO	ISS-14-UF2/MPLM1(P)-03
UP PAYLOAD PROCESSING	RESEARCH MSN / FREESTAR	ISS-15-9A/S1	ISS-16-11A / ITS P1
PAYLOAD INSTALLATION	Horizontal	Vertical	Vertical
PRSD TANK SETS	Prev. 5 / Curr. 9	Prev. 5 / Curr. 5	Prev. 5 / 5
GN2 TANKS	Prev. 5 / Curr. 5	Prev. 6 / Curr. 6	Prev. 7 (U/R) / 6
RMS INSTALLED / #	No	Yes / #202	Yes
INTERNAL/EXTERNAL AIRLOCK	Internal	External	External
TUNNEL ADAPTER	Yes	No	No
SRB/ET	Bi114 / RSRM: 86 / ET 93 LWT	Bi115 / RSRM: 87 / ET 115	Bi116 / RSRM: 88/ ET 116
SSME 1/2/3	2048-2/2051-2/2050-2	2052-2/2057-2/2049-2	2056-2 / 2044-2 / 2047-2
OMS POD	RP05/16/F2 - LP05/17-F2	RP04/26/F6 – LP03/30/F6	RP01/33/F9 – LP04/26/F9
FRCS / FLT. # / FLTS. SINCE OMDP	FRC2/28/F2	FRC4/26/F6	FRC5/19/F9
FACILITY REQUIREMENTS			
TAL SITE (Post-Launch)	Ben Guerir	Zaragoza	Zaragoza
EOM LANDING SITE (Prime-Alt.)/CLS	KSC - DFRC / WSSH	KSC-DFRC/WSSH	KSC-DFRC/WSSH
OPF BAY	OPF Bay-3	OPF Bay-2	OPF Bay-1
VAB HIGH BAY (MATE) / MLP	VAB HB-1 / MLP-2	VAB HB-3 / MLP-3	VAB HB-1 / MLP-1
PAD	PAD-B	PAD-A	PAD -B
LAUNCH CONTROL CENTER	2/3	2/1	2/3

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TCID LOAD DATE	TBD	TBD	TBD	
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