

STS DATA SUMMARIES

5/11/01

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	Launch milestones baselined at Delta LSFR held 3/22/01	Mission extension to 11 days Approved PRCB held 3/29	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 – 5/24/01	2/22/01(A) – 5/24/01
CREW SIZE/MISSION DURATION	5/11	7 Up-7 Down/11	7/10	7/11
LAUNCH DATE/TIME (HH:MM:SS)	6/14/01 NET Time: 16:14:46 EDT	7/12/01 NET Time: 04:45:00 EDT	11/29/01 Time: 19:23:00 EST	1/17/02 Time: 14:40:00 EST
LANDING DATE/TIME - KSC	6/25/01 Time: 11:34:00 EDT	7/23/01 Time: TBD 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. 6	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	2054-2A/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-1/3/3
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
TCID LOAD	2/21/01	4/7/01	5/23/01	4/28/01

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

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	5/31/01 – 7/19/01	11/1/01 – 1/10/02		
CREW SIZE/MISSION DURATION	(Crew Rotated) 7-3 / 9	5 / 10		
LAUNCH DATE/TIME (HH:MM:SS)	2/28/02 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 6 / Curr. 6		
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	2056-2A/2043-2A/2047-2A	2055-2/2044-2/2045-2		
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-3		
VAB HIGH BAY (MATE) / MLP	VAB HB-1/MLP-3	VAB HB-3 / MLP-1		
PAD	PAD-B	PAD-A		
LAUNCH CONTROL CENTER	2/3	2/1		
TCID LOAD	TBD	TBD		

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LONG RANGE FLTS.	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	+1 Mission outside FDRD PRELIMINARY INFO. NOTED BELOW – MORE TO FOLLOW.	
LSFR/DELTA LSFR	1/3/02 (U/R) – 2/7/02 (U/R)	2/7/02 – 3/28/02		
CREW SIZE / MISSION DURATION	7 / 16	6 / 10	X / 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	TBD	
FLIGHT SOFTWARE	OI-29	OI-29	TBD	
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-ULF1	
PAYLOAD INSTALLATION	Horizontal	Vertical	Vertical	
PRSD TANK SETS	Prev. 5 / Curr. 9	Prev. 5 / Curr. 5	Prev. 5 / TBD	
GN2 TANKS	Prev. 5 / Curr. 4	Prev. 6 / Curr. 6	Prev. 5 / TBD	
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	2052-2/2051-2/2050-2	2048-2/2043-2/2049-2	2054-2 / 2057-2 / 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	TBD	
EOM LANDING SITE (Prime-Alt.)/CLS	KSC - DFRC / WSSH	KSC-DFRC/WSSH	KSC-TBD	
OPF BAY	OPF Bay-1	OPF Bay-2	OPF Bay-3	
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	
TCID LOAD DATE	TBD	TBD	TBD	

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