

STS DATA SUMMARIES

4/27/01

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		Note: Program decision (2/26) to Fly HST before Research Mission
LSFR/DELTA LSFR	1/11/01 (A) – 3/22/01 (A)	3/1/01 (A) – 4/12/01(A)	3/29/01 – 5/17/01	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	11/1/01 NET Time: TBD EDT	11/19/01 Time: TBD EST
LANDING DATE/TIME - KSC	6/25/01 Time: 11:34:00 EDT	7/23/01 Time: TBD EDT	11/11/01 Time: TBD EDT	11/30/01 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	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	2054-2/2051-2/2050-2	2048-2A/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 / 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

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

Denotes changes since last publication/U/R = Under Review

STS Data Summaries Matrix can be viewed on the Web at: <http://usago1.ksc.nasa.gov/usago/orgs/frpc/pmfr/index.htm>

STS DATA SUMMARIES

4/27/01

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 FLIGHTS	STS-110/OV-104/25			STS-100/OV-105/16
PLANNING OVERVIEW	FDRD baseline @ PRCB held 11/15/00			Reference info. Only – will be removed Post-landing
LSFR/DELTA LSFR	5/24/01 – 7/19/01			
CREW SIZE/MISSION DURATION	(Crew Rotated) 7-3 / 9			7 Up-7 Down / 11
LAUNCH DATE/TIME (HH:MM:SS)	1/17/02 Time: TBD EST			
LANDING DATE/TIME - KSC	1/26/02 Time: TBD EST			4/30/01 Time: 10:10:00 EDT
LAUNCH WINDOW (HH:MM:SS)	00:10:00			
INSERTION ALT. / INCLINATION	122 NM / 51.6			
FLIGHT SOFTWARE	OI-29			OI-28
FLIGHT HARDWARE				
DOWN PAYLOAD PROCESSING	ISS-10-7A/AIRLOCK			ISS-06-4A / PV MODULE P6
UP PAYLOAD PROCESSING	ISS-13-8A / ITS SO			ISS-09-6A / MPLM2 (P)-01
PAYLOAD INSTALLATION	Vertical			
PRSD TANK SETS	Prev. 5 / Curr. 5			Prev. 5 / Curr. 5
GN2 TANKS	Prev. 7 / Cur. 6			Prev. 5 / Curr. 7
RMS INSTALLED / #	Yes / #202			Yes / #303
INTERNAL/EXTERNAL AIRLOCK	External			External
TUNNEL ADAPTER	No			No
SRB/ET	Bi112 / RSRM: 85 / ET-113			
SSME 1/2/3	2056-2A/2043-2A/2047-2A			2054-2A / 2043-2A / 2049-2A
OMS POD	RP04/25/F5 – LP03/29/F5			RP01/30/F5 - LP04/23/F5
FRCS / FLT. # / FLTS. SINCE OMDP	FRC4/24/F4			FRC5/16/F5
FACILITY REQUIREMENTS				
TAL SITE (Post-Launch) (Prime/Alt.)	Zaragoza / Ben Guerir			
EOM LANDING SITE (Prime-Alt.)/CLS	KSC – DFRC / WSSH			KSC - DFRC / WSSH
OPF BAY	OPF- Bay-2			
VAB HIGH BAY / MLP	VAB HB-1/MLP-3			
PAD	PAD-B			
LAUNCH CONTROL CENTER	2/3			
TCID LOAD	6/20/01			

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

Denotes changes since last publication/U/R = Under Review

STS Data Summaries Matrix can be viewed on the Web at: <http://usago1.ksc.nasa.gov/usago/orgs/frpc/pmfr/index.htm>

STS DATA SUMMARIES

4/27/01

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)

LONG RANGE FLT.	STS-111/OV-105/18	STS-107/OV-102/28	STS-112/OV-104/26	
		STS-107 Launch date rebaseline at PRCB held 3/15/01	+ 1 Mission (outside FDRD)	
LSFR/DELTA LSFR	10/4/01 – 11/29/01	10/4/01 – 11/29/01	1/10/02 U/R – 2/7/02 U/R	
CREW SIZE / MISSION DURATION	5 / 10	7 / 16	5 / 11	
LAUNCH DATE/TIME (HH:MM:SS)	3/14/02 Time: TBD EST	4/4/02 NET Time: TBD	5/31/02 Time: TBD EST	
LANDING DATE/TIME - KSC	3/24/02 Time: TBD EST	4/20/02 Time: TBD	6/10/02 Time: TBD EST	
LAUNCH WINDOW (HH:MM:SS)	00:10:00	TBD	00:10:00	
INSERTION ALT. / INCLINATION	122 NM / 51.6	150 NM / 39.0	170 NM / 51.6	
FLIGHT SOFTWARE	OI-29	OI-29	OI-29	
FLIGHT HARDWARE				
DOWN PAYLOAD PROCESSING	ISS-12-UF1/MPLM1(P)-02	HST SM 3B	ISS-13-BA-ITS SO	
UP PAYLOAD PROCESSING	ISS-14-UF2/MPLM2(P)-03	RESEARCH MSN / FREESTAR	ISS-15-9A/S1	
PAYLOAD INSTALLATION	Vertical	Horizontal	Vertical	
PRSD TANK SETS	Prev. 5 / Curr. 5	Prev. 5 / Curr. 9	Prev. 5 / Curr. 5	
GN2 TANKS	Prev. 5 / Curr. 5	Prev. 5 / Curr. 4	Prev. 6 / Curr. 6	
RMS INSTALLED / #	Yes / #303	No	Yes / #202	
INTERNAL/EXTERNAL AIRLOCK	External	Internal	External	
TUNNEL ADAPTER	No	Yes	No	
SRB/ET	Bi113 / RSRM: 84 / ET-114	Bi114 / RSRM: 86 / ET 93 LWT	Bi115 / RSRM: 87 / ET 115	
SSME 1/2/3	2055-2/2044-2/2045-2	2052-2/2051-2/2050-2	TBD / TBD / TBD	
OMS POD	RP01/32/F7 – LP04/25/F7	RP05/16/F2 - LP05/17-F2	RP04/26/F6 – LP03/30/F6	
FRCS / FLT. # / FLTS. SINCE OMDP	FRC5/18/F7	FRC2/28/F2	FRC4/26/F6	
FACILITY REQUIREMENTS				
TAL SITE (Post-Launch)	Zaragoza	Ben Guerir	Zaragoza	
EOM LANDING SITE (Prime-Alt.)/CLS	KSC – DFRC / WSSH	KSC - DFRC / WSSH	KSC-DFRC/WSSH	
OPF BAY	OPF Bay-3	OPF Bay-1	OPF Bay-2	
VAB HIGH BAY / MLP	VAB HB-3 / MLP-1	VAB HB-1 / MLP-2	VAB HB-3 / MLP-3	
PAD	PAD-A	PAD-B	PAD-B	
LAUNCH CONTROL CENTER	2/1	2/3	2/1	
TCID LOAD DATE	TBD	TBD	TBD	

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

Denotes changes since last publication/U/R = Under Review

STS Data Summaries Matrix can be viewed on the Web at: <http://usago1.ksc.nasa.gov/usago/orgs/frpc/pmfr/index.htm>