

# STS-113/ISS-11A Quick-Look Data

# SpaceCalc

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Rank/Seats	STS-113	ISS-11A	Family/TIS	DOB/Seat	Shuttle Hardware and Flight Data
Commander	Navy Capt. James Wetherbee 50; STS-32,52,63,86,102		M/2 60.2 *	11/27/52 Up	STS Mission STS-113/ISS-11A Orbiter Endeavour (OV-104)
Pilot	Air Force Lt. Col. Paul Lockhart 46; STS-111		M/0 21.4	04/28/56 Up	Payload P1 solar array truss Launch 07:49:47 PM 11.23.02
MS1/EV1	Navy Capt. Michael Lopez-Alegria EMU: Red 44; STS-73,92		M/1 36.4	05/30/58 Up/Down	Pad/MLP LC-39A/MLP-? Prime TAL Zaragoza
MS2/FE/EV2	Navy Cmdr. John Herrington EMU: White 44; Rookie		M/2 7.6	09/14/58 Up	Landing 03:49:00 PM 12.04.02 Landing Site Kennedy Space Center
MS3	Navy Captain Kenneth Bowersox ISS-6 CDR 45; STS-50,61,73,82		S/?? 57.6	11/14/56 Down	Duration 10/19:59  Endeavour 192/19:24:52
MS4	Cosmonaut Nikolai Budarin ISS-FE 49; STS-71/Mir19,TM-27/Mir25		M/2 292.6	04/29/53 Down	STS Program 1001/19:27:26
MS5	Donald Pettit, Ph.D. ISS-SO 47; Rookie		M/2 7.6	04/20/55 Down	MECO Ha/Hp 137/36 statute miles OMS Ha/Hp 143/121 statute miles
ISS-5 FE	Peggy Whitson, Ph.D. 42; STS-111/ISS-5		M/0 178.5	02/09/60	ISS Ha/Hp 249 sm (approximate) Period 91.6 minutes
ISS-5 CDR	Russian AF Col. Valeri Korzun 49; TM-24, STS-111/ISS-5		S/1 375.5	03/05/53	Inclination 51.6 degrees Velocity 17,212 mph
ISS-5 FE	Sergei Treschev 43; STS-111/ISS-5		M/2 178.5	08/18/58	EOM Miles 4,440,941 miles EOM Orbits 185 (land on 186)
<b>ISS Increment Durations</b>		<b>Launch</b>	<b>Crew Patch</b>		
ISS-1	136/16:10:20	10/31/00			
ISS-2	148/16:43:00	03/08/01			
ISS-3	117/02:56:00	08/10/01			
ISS-4	181/00:44:00	12/05/01			
ISS-5	171/03:33:00	06/05/02			
ISS-6	5.5 days	11/23/02			
ISS Manned	759.0 days*	2.08			
STS Mission STS-113/ISS-11A		Endeavour 192/19:24:52			STS Program 1001/19:27:26
Orbiter Endeavour (OV-104)		Payload P1 solar array truss			Launch 07:49:47 PM 11.23.02
Pad/MLP LC-39A/MLP-?		Prime TAL Zaragoza			Landing 03:49:00 PM 12.04.02
Landing Site Kennedy Space Center		Duration 10/19:59			MECO Ha/Hp 137/36 statute miles
OMS Ha/Hp 143/121 statute miles		ISS Ha/Hp 249 sm (approximate)			Period 91.6 minutes
Inclination 51.6 degrees		Velocity 17,212 mph			EOM Miles 4,440,941 miles
EOM Orbits 185 (land on 186)		SSMEs (2) 2050/2044/2045			ET/SRB 116/Bi116-RSRM-88
Software OI-29		Left OMS LP04/26/F9			Right OMS RP01/33/F9
Forward RCS FRC5/19/F9		Airlock External			RMS 201
Cryo/GN2 5/6		This will be the...			112th Shuttle mission since STS-1
12th Shuttle mission since STS-1		5th Of 5 flights in 2002			87th Post-Challenger mission
16th ISS/STS mission		19th Flight of Endeavour			28th Night launch
16th Night launch off pad 39A		63rd Launch off pad 39A			26th 51.6 degree inclination
61st Planned KSC landing		20th Night landing			15th Night landing at KSC
16.83 Years since 51L (at launch)		6,143.34 Days since 51L			
Flight Plan (MET and ET)		Flight Control Personnel			
Launch:	11/23/02 07:50 PM	Wayne Hale Ascent/Entry			
ISS Docking	11/25/02 04:26 PM	Paul Dye Orbit 1 FD (lead)			
EVA-1	11/26/02 03:25 PM	John Curry Orbit 2 FD			
EVA-2	11/28/02 02:25 PM	Sally Davis Planning FD			
EVA-3	11/30/02 02:25 PM	Joel Montalbano Moscow FD			
Undocking	12/02/02 03:05 PM	Andrew Algate ISS Orbit 1 FD			
Landing:	12/04/02 03:49 PM	Mark Kirasich ISS Orbit 2 FD (lead)			
		D. Hassmann ISS Orbit 3 FD			
		Mike Leinbach Launch director			
		Steve Altemus NASA test director			
		George Diller KSC commentator			
		Rob Navias JSC commentator			
Rev.: A		*As of: 12/01/02			Compiled by William Harwood