

STS-110/ISS 8A Quick-Look Data

SpaceCalc

Rank/Seats	STS-110	ISS 8A	Family/TIS	DOB	Shuttle Hardware and Flight Data	
Commander	AF Lt. Col. Michael Bloomfield		M/2	03/16/59	STS Mission STS-110/ISS 8A	
Up	43; STS-86,97,110		31.3 *		Orbiter Atlantis (OV-104)	
Pilot	Navy Cmdr. Stephen Frick, 37		M/0	09/30/64	Payload ISS 8A (S0 truss)	
Up	37; STS-110		10.70		Launch 04:44:19 PM 04.08.02	
MS1/EV2	AF Lt. Col. Rex Walheim		M/2	10/10/62	Pad/MLP 39B/MLP-3	
Up/Down	39; STS-110		10.70		Prime TAL Zaragoza	
MS2/FE/RMS	Ellen Ochoa, Ph.D.		M/2	05/10/58	Landing 01:26:57 PM 04.19.02	
Up	43; STS-56,66,96,110		40.70		Landing Site Kennedy Space Center	
MS3/EV4	Navy Capt. Lee Morin, Ph.D., M.D.		M/2	09/09/52	Duration 10/19:42:38 (actual)	
Down/Up	49; STS-110		10.70		Atlantis 198/05:46:50 in 24 flights	
MS4/EV3	Jerry Ross		M/2	01/20/48	STS Program 966/07:12:07 in 108 flights	
Down	54; 61B,27,37,55,74,88,110		57.90		MECO Ha/Hp 137/36 statute miles	
MS5/EV1	Steven Smith		M/0	12/30/58	OMS Ha/Hp 141/121 statute miles	
Down	43; STS-68,82,103,110		39.70		ISS Ha/Hp 220 sm (approximate)	
Increment 4: Aboard the International Space Station					Period 91.6 minutes	
Commander	CIS AF Col. Yuri Onufrienko		M/3	02/06/61	Inclination 51.6 degrees	
	40; Mir-21,STS-108		326.84		Velocity 17,212 mph	
Flt. Engineer	Air Force Col. Carl Walz		M/2	09/06/55	EOM Miles 4,467,219 miles	
	46; STS-51,65,79,108		168.34		EOM Orbits 170 (land on 171)	
Flt. Engineer	Navy Capt. Daniel Bursch		M/4	07/25/57	SSMEs (2) 2048, 2051, 2045	
	44; STS-51,68,77,108		164.94		ET/SRB 114/Bi112-RSRM 85	
ISS Increment Durations		Launch	STS-110 Crew Patch			
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	134 days*	12/05/01				
ISS Manned	535.0 days*					
Flight Plan (MET and ET)		STS-110 Flight Control Personnel			STS-110 was the...	
Launch:		Leroy Cain Ascent flight director			109th Shuttle mission since STS-1	
04/08/02 04:44 PM		Jeff Hanley Orbit 1 FD (lead)			2nd Of 6 flights in 2002	
ISS Docking		Paul Dye Orbit 2 FD			84th Post-Challenger mission	
04/10/02 12:06 PM		Steve Stich Planning FD			13th ISS/STS mission	
EVA-1		Serek Hassman Moscow FD			25th Flight of Atlantis	
04/11/02 10:44 AM		Leroy Cain Entry FD			48th Launch off pad 39B	
EVA-2		Andrew Algate ISS Orbit 1 FD			82nd Day launch	
04/13/02 08:39 AM		Robert Castle ISS Orbit 2 FD (lead)			36th Day launch of pad 39B	
EVA-3		Norman Knight ISS Orbit 3 FD			23rd 51.6 degree inclination	
04/14/02 09:29 AM		Mike Leinbach Launch director			59th Planned KSC landing	
EVA-4		Jeff Spaulding NASA test director			89th Day landing	
04/16/02 09:04 AM		Charles Precourt KSC weather pilot			45th Day landing at KSC	
Landing:					16.20 Years since 51L (at launch)	
04/19/02 12:27 PM					5,913.18 Days since 51L	
Rev. G (FINAL)		*Days in space as of: 04/19/02			Compiled by William Harwood	