

STS-105/ISS-7A.1 Quick-Look Data

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Rank/Seats	STS-105	ISS-7A.1	Family	DOB	STS-105 Hardware and Flight Data
Commander	Air Force Col. Scott Horowitz 44; STS-75, 82, 101		M/1 47.3 *	03/24/57	STS Mission STS-105/ISS-7A.1 Orbiter Discovery (30th flight)
Pilot/IV	USMC Maj. Frederick Sturckow 39; STS-88		M/0 23.6	08/11/61	Payload Crew transfer; ISS resupply Launch 05:10:14 PM 08.10.01
MS1/EV2	Army Lt. Col. Patrick Forrester 44; Rookie		M/2 11.8	03/31/57	Pad/MLP/FR 39A/MLP3/LCC2-3 Prime TAL Zaragoza
MS2/EV1/FE	Daniel Barry, M.D., Ph.D. 47; STS-72, 96		S/0 30.5	12/30/53	Landing 02:22:58 PM 08.22.01 Landing Site Kennedy Space Center
MS3/ISS-3	ISS-3 CDR Frank Culbertson UP 52; STS-38, 51		M/5 26.1	05/15/49	Duration 11/19:36
MS4/ISS-3	Lt. Col. Vladimir Dezhurov (CIS) UP 39; Soyuz TM-21		M/2 126.8	07/30/62	Discovery 230/02:07:10 STS Program 931/16:13:50
MS5/ISS-3	Mikhail Tyurin (CIS) UP 41; Rookie		M/1 11.8	03/02/60	MECO Ha/Hp 169 X 40 nm OMS Ha/Hp 175 X 105 nm
MS3/ISS-2	Yury Usachev (CIS) DOWN 43; Soyuz TM-18, TM-23 STS-101, ISS-2		M/1 552.2	10/09/57	ISS Ha/Hp 235 X 229 (varies) Period 91.6 minutes Inclination 51.6 degrees
MS4/ISS-2	Mr. James Voss DOWN 52; STS-44, 53, 69, 101, ISS-2		M/1 202.0	03/03/49	Velocity 17,212 mph EOM Miles 4,861,385 miles
MS5/ISS-2	Air Force Col. Susan Helms DOWN 43; STS-54, 64, 78, 101, ISS-2		S/0 212.9	02/26/58	EOM Orbits 185 (land on 186)
Shuttle/Payload Weights			STS-105 Crew Patch		SSMEs (2A) 2052/2044/2045 ET/SRB 110/BI109-RSRM81
Shuttle vehicle at launch 4,517,989 lbs Shuttle Discovery at launch 257,748 lbs Shuttle Discovery at landing 222,275 lbs STS/MPLM logistics to ISS 200/6,400 lbs ICC equipment to ISS 1,500 lbs ISS equipment to shuttle 2,000 lbs					Software OI-28 Left OMS LP01/33/F9 Right OMS RP03/31/F9 Forward RCS FRC3/30/F7 Airlock External RMS #301 Cryo/GN2 5 cryo/6 GN2
Flight Plan (MET and EST)		STS-105 Flight Control Personnel			STS-105 was the...
Launch: 08/10/01 05:10 PM ISS docking: 08/12/01 02:38 PM EVA-1: 08/16/01 10:15 AM EVA-2: 08/18/01 10:15 AM Undocking: 08/20/01 10:52 AM TIG: 08/22/01 11:36 AM Landing: 08/22/01 12:46 PM		John Shannon Ascent flight director Paul Dye (lead) Orbit 1 FD Kelly Beck Orbit 2 FD Bryan Austin Planning FD Matt Abbott Moscow FD John Shannon Entry FD Mark Ferring ISS Orbit 1 FD Rick LaBrode ISS Orbit 2 FD John Curry ISS Orbit 3 FD Mike Leinbach Launch director Steve Altemus NASA test director Charles Precourt KSC weather pilot			106th Shuttle mission since STS-1 5th Of 6 flights in 2001 81st Post-Challenger mission 16th Of 88 ISS assembly flights 30th Flight of Discovery 60th Launch off pad 39A 80th Day launch 46th Day launch off pad 39A 21st 51.6-degree inclination 56th Planned KSC landing 87th Day landing 43rd Day landing at KSC 15.54 Years since 51L (at launch) 5,673.19 Days since 51L
Rev. G		*Days in space as of: 08/22/01			Compiled by William Harwood