

# STS-108/ISS-UF1 Quick-Look Data

# Spaceflight Now

Rank/Seats	STS-108	ISS-UF1	Family/TIS	DOB	STS-108 Hardware and Flight Data
Commander	Navy Capt. Dominic L. Gorie		M/2	05/02/57	<b>STS Mission</b> STS-108/ISS-UF1 <b>Orbiter</b> Endeavour (17th flight) <b>Payload</b> Crew transfer; ISS resupply <b>Launch</b> 05:19:28 PM 12.05.01 <b>Pad/MLP</b> 39B/MLP1 <b>Prime</b> TAL Zaragoza <b>Landing</b> 01:03:00 PM 12.17.01 <b>Landing Site</b> Kennedy Space Center <b>Duration</b> 11/19:44  <b>Endeavour</b> 167/13:26:34 <b>STS Program</b> 943/13:26:34  <b>MECO Ha/Hp</b> 169 X 40 nm <b>OMS Ha/Hp</b> 175 X 105 nm <b>ISS Ha/Hp</b> 235 X 229 (varies) <b>Period</b> 91.6 minutes <b>Inclination</b> 51.6 degrees <b>Velocity</b> 17,212 mph <b>EOM Miles</b> 4,467,219 miles <b>EOM Orbits</b> 185 (land on 186)  <b>SSMEs</b> 2049-2A/2043-2A/2050-2 <b>ET/SRB</b> 111/Bi110/RSRM82 <b>Software</b> OI-28 <b>Left OMS</b> LP04/24/F6 <b>Right OMS</b> RP01/31/F6 <b>Forward RCS</b> FRC5/17/F6 <b>Airlock</b> External <b>RMS</b> #303 <b>Cryo/GN2</b> 5 cryo/7 GN2
Up	44; STS-91,99		25.8 *		
Pilot/IV	Navy Lt. Cmdr. Mark Kelly		M/2	02/21/64	
Up	37; Rookie		4.75		
MS1/EV1	Linda Godwin, Ph.D.		M/2	07/02/52	
Up/Down-5	49; STS-37,59,76		31.15		
MS2/EV2/FE	Daniel Tani		M/0	02/01/61	
Up	40; Rookie		4.75		
ISS-4	Air Force Col. Carl Walz		M/2	09/06/55	
Down-5	46; STS-51,65,79		39.25		
ISS-4	CIS AF Col. Yuri Onufrienko		M/3	02/06/61	
Down-6	40; Mir-21		197.75		
ISS-4	Navy Capt. Daniel Bursch		M/4	07/25/57	
Down-7	44; STS-51,68,77		35.85		
ISS-3	Frank Culbertson		M/5	05/15/49	
Down-6	52; STS-38, 51,ISS-3		136.89		
ISS-3	Mikhail Tyurin		M/1	03/02/60	
Down-7	40; ISS-3		122.59		
ISS-3	CIS Lt. Col. Vladimir Dezhurov		M/2	07/30/62	
Down-8	39; Soyuz TM-21,ISS-3		237.59		
<b>ISS Increment Durations</b>		<b>Launch</b>	<b>STS-108 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 (est.)	158/19:00:00	12/05/01			
ISS Manned*	406.0 days				
<b>Flight Plan (MET and ET)</b>		<b>STS-108 Flight Control Personnel</b>		<b>STS-108 will be the...</b>	
<b>Launch:</b>	12/05/01 5:19 PM	Leroy Cain	Ascent flight director	107th Shuttle mission since STS-1	
<b>ISS docking:</b>	12/07/01 3:03 PM	Wayne Hale (LD)	Orbit 1 FD	6th Of 6 flights in 2001	
<b>MLPM Berth</b>	12/08/01 12:29 PM	Paul Hill	Orbit 2 FD	82nd Post-Challenger mission	
<b>EVA:</b>	12/10/01 12:24 PM	Cathy Koerner	Planning FD	17th Of 88 ISS assembly flights	
<b>Undocking:</b>	12/15/01 10:59 AM	Kelly Beck	Moscow FD	17th Flight of Endeavour	
<b>TIG:</b>	12/17/01 11:53 AM	Leroy Cain	Entry FD	47th Launch off pad 39B	
<b>Landing:</b>	12/17/01 1:03 PM	Sally Davis	ISS Orbit 1 FD	81st Day launch	
		Robert Castle	ISS Orbit 2 FD	35th Day launch off pad 39B	
		John McCullough	ISS Orbit 3 FD	22nd 51.6-degree inclination	
		Mike Leinbach	Launch director	57th Planned KSC landing	
		Jeff Spaulding	NASA test director	88th Day landing	
		Charles Precourt	KSC weather pilot	44th Day landing at KSC	
				15.86 Years since 51L (at launch)	
				5,790.24 Days since 51L	
<b>Rev. F</b>	<b>*Days in space as of: 12/11/01</b>		<b>Compiled by William Harwood</b>		