

# STS-98/ISS Stage 5A Quick-Look Data

## Spaceflight Now

spaceflightnow.com

Position	ISS-1 (Soyuz Up/STS Down)	Family	DOB	STS-98 Hardware and Flight Data	
Commander	William Shepherd, 51 STS-27, 41, 52, Soyuz TM-31	Married/0	07/26/49	STS Mission	STS-98/ISS-5A (102nd flt)
Soyuz Pilot	Yuri Gidzenko, 38 Soyuz TM-22, TM-31	Married/2	03/26/62	Orbiter	Atlantis/OV-104 (23)
Engineer	Sergei Krikalev, 42 Soyuz TM-7, TM-12, STS-60, STS-88, TM-31	Married/1	08/27/58	Payload	Destiny laboratory module
				Launch	02/07 06:13 PM
				Pad/MLP/FR	LC-39A/MLP-2/LCC-2
				Prime TAL	Zaragoza, Spain
				Landing	12:53:08 PM 02.18.01
				Landing Site	KSC, Runway 15/33
				Duration	10/18:40
				Atlantis	172/13:51:51
				STS Program	881/06:59:19
				MECO Ha/Hp	194 X 46 statute miles
				OMS Ha/Hp	201 X 121
				ISS Ha/Hp	235 X 229 (varies)
				Period	92.3 minutes
				Inclination	51.6 degrees
				Velocity	17,169 mph
				EOM Miles	4.5 million
				EOM Orbits	170 (land on 171)
				SSMEs (2A)	2052/2044/2047
				ET/SRB	ET-106/BI105-RSRM 77
				Software	OI-28
				Left OMS	LP-03/27/F3
				Right OMS	RP-04/23/F3
				Forward RCS	FRC4/23/F3
				Airlock	External
				RMS	#202
				Cryo/GN2	5 cryo/6 GN2
Position	STS-98	ISS-5A	Family	DOB	
Commander	Mr. Kenneth Cockrell, 50 STS-56, 69, 80		Single/2	04/09/50	
Pilot/IV	Mr. Mark Polansky, 44 Rookie		Single/0	06/02/56	
MS1/EV2	Navy Cmdr. Robert Curbeam, 38 STS-85		Married/2	03/05/62	
MS2/RMS/FE	Ms. Marsha Ivins, 49 STS-32, 46, 62, 81		Single/0	04/15/51	
MS3/EV1	Thomas Jones, Ph.D., 46 STS-59, 68, 80		Single/0	01/22/55	
STS/Payload Weights at Launch/Landing			STS-98 Mission Patch		
<p>STS System at Launch 4.5 million lbs            STS and Payload at Launch 254,694 lbs            STS and Payload at Landing 198,909 lbs            Destiny Laboratory Module 32,000 lbs            Lab Dimensions 14 X 28 feet            Utility Racks 11            Science Racks 13            Windows 1            Lab Cost \$1.38 billion</p>					
Flight Plan (MET and EST)		STS-98 Flight Control Personnel			STS-98 will be the...
<p>02/07/01 Launch: 0/00:00 or 06:13 PM EST            02/09/01 ISS docking: 1/17:45 or 11:51 AM            02/10/01 EVA-1: 2/16:05 or 10:18 AM            02/12/01 EVA-2: 4/16:30 or 10:43 AM            02/14/01 EVA-3: 6/16:05 or 10:18 AM            02/16/01 ISS undocking: 8/14:59 or 09:06 AM            02/18/01 Landing: 10/18:47 or 12:53 PM</p>		<p>Leroy Cain Ascent flight director            Robert Castle Orbit 1 FD (lead)            Kelly Beck Orbit 2 FD            Bryan Austin Planning FD            William Reeves Moscow FD            Leroy Cain Entry FD            Mark Kirasich ISS Orbit 1 FD            Andrew Algate ISS Orbit 2 FD (lead)            Mark Ferring ISS planning FD            Mike Leinbach KSC launch director            Steve Altemus KSC NTD            Terrence Wilcutt KSC weather pilot</p>			<p>102nd Shuttle mission since STS-1            1st Of 7 flights in 2001            77th Post-Challenger mission            12th Of 88 ISS assembly flights            23rd Flight of Atlantis            58th Launch off pad 39A            77th Day launch            44th Day launch off pad 39A            17th 51.6-degree inclination            54th Planned KSC landing            2nd KSC landing in a row            15.04 Years since 51L (at launch)            5,489.30 Days since 51L</p>
Rev. P (02/17/01)					Compiled by William Harwood