


# STS-112/ISS-9A Quick-Look Data

# SpaceCalc

Rank/Seats					STS-112					ISS-9A					Family/TIS					DOB/Seat					Shuttle Hardware and Flight Data														
<b>Aboard Shuttle Atlantis</b>															STS Mission STS-112/ISS-9A Orbiter Atlantis (OV-104) Payload S1 solar array truss Launch 03:45:51 PM 10.07.02 Pad/MLP LC-39B/MLP-3 Prime TAL Zaragoza Landing 11:44:06 AM 10.18.02 Landing Site Kennedy Space Center Duration 10/19:58  Atlantis 209/01:29:28 STS Program 990/23:29:37  MECO Ha/Hp 137/36 statute miles OMS Ha/Hp 143/121 statute miles ISS Ha/Hp 240 sm (approximate) Period 91.6 minutes Inclination 51.6 degrees Velocity 17,212 mph EOM Miles 4,467,219 miles EOM Orbits 185 (land on 186)  SSMEs (2) 2055/2051/2048 ET/SRB 115/Bi115-RSRM 87 Software OI-29 Left OMS LP03/30/F6 Right OMS RP04/26/F6 Forward RCS FRC4/26/F6 Airlock External RMS 202 Cryo/GN2 5 cryo/6 GN2																								
Commander					Navy Capt. Jeffrey Ashby					M/0					06/15/54																								
					48; STS-93,100					26.1 *																													
Pilot					Air Force Lt. Col. Pamela Melroy					M/0					09/17/61																								
					41; STS-92					22.3																													
MS1/EV1					David Wolf, M.D.					M/0					08/23/56																								
EMU: Red					46; STS-58,86/Mir/89					151.4					Up/Land																								
MS2/FE					Sandra Magnus, Ph.D.					S/0					10/30/64																								
					37; Rookie					9.4																													
MS3/EV2					Piers Sellers, Ph.D.					M/2					04/11/55																								
EMU: White					42; Rookie					9.4					Up/Launch																								
MS4					Fyodor Yurchikhin, Ph.D.					M/2					01/03/59																								
					43; Rookie					9.4																													
<b>Aboard International Space Station</b>																																							
ISS-5 FE					Peggy Whitson, Ph.D.					M/0					02/09/60																								
					42; STS-110/ISS-5					133.4																													
ISS-5 CDR					Russian AF Col. Valeri Korzun					S/1					03/05/53																								
					49; TM-24, STS-110/ISS-5					330.4																													
ISS-5 FE					Sergei Treschev					M/2					08/18/58																								
					43; STS-110/ISS-5					133.4																													
ISS Increment Durations					Launch					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					181/00:44:00					12/05/01																													
ISS-5					131.5 days*					06/05/02																													
ISS Manned					713.9 days*																																		
Flight Plan (MET and ET)					Flight Control Personnel										This will be the...																								
Launch:					John Shannon Ascent/Entry										111th Shuttle mission since STS-1																								
10/07/02 03:46 PM					Phil Engelauf Orbit 1 FD (lead)										4th Of 5 flights in 2002																								
ISS Docking					Cathy Koerner Orbit 2 FD										86th Post-Challenger mission																								
10/09/02 11:24 AM					John Curry Planning FD										15th ISS/STS mission																								
EVA-1					Bryan Austin Moscow FD										26th Flight of Atlantis																								
10/10/02 10:46 AM					Mark Kirasich ISS Orbit 1 FD										49th Launch off pad 39B																								
EVA-2					Andrew Algate ISS Orbit 2 FD (lead)										84th Day launch																								
10/12/02 10:46 AM					Anne. Hasbrook ISS Orbit 3 FD										37th Day launch off pad 39B																								
EVA-3					Mike Leinbach Launch director										25th 51.6 degree inclination																								
10/14/02 10:46 AM					Jeff Spaulding NASA test director										60th Planned KSC landing																								
Undocking					B. Buckingham KSC commentator										91st Day landing																								
10/16/02 09:13 AM					Rob Navias JSC commentator										46th Day landing at KSC																								
Landing:															16.70 Years since 51L (at launch)																								
10/18/02 11:44 AM															6,096.13 Days since 51L																								
Rev. D					*As of: 10/17/02										Compiled by William Harwood																								