

# STS-107/Spacehab Quick-Look Data

# SpaceCalc

Rank/Seats					STS-107					Spacehab					Family/TIS					DOB/Seat					Shuttle Hardware and Flight Data														
<b>Commander</b>					Air Force Col. Rick Husband					M/2					07/12/57					<b>STS Mission</b> STS-107 <b>Orbiter</b> Columbia (OV-102) <b>Payload</b> Spacehab Research <b>Launch</b> 10:39:00 AM 01.16.03 <b>Pad/MLP</b> LC-39A/MLP-1 <b>Prime TAL</b> Moron <b>Landing</b> 09:15:00 AM 02.01.03 <b>Landing Site</b> Kennedy Space Center <b>Duration</b> 15/22:36  <b>Columbia</b> 284/19:19:01 <b>STS Program</b> 1015/14:14:51  <b>MECO Ha/Hp</b> 137/36 statute miles <b>OMS Ha/Hp</b> 143/121 statute miles <b>ISS Ha/Hp</b> 249 sm (approximate) <b>Period</b> 90.1 minutes <b>Inclination</b> 39 degrees <b>Velocity</b> 17,307 mph <b>EOM Miles</b> 6,627,027 miles <b>EOM Orbits</b> 255 (land on 256)  <b>SSMEs (2)</b> 2056/2053/2049 <b>ET/SRB</b> 93/Bi116-RSRM88 <b>Software</b> OI-29 <b>Left OMS</b> LP05/17/F2 <b>Right OMS</b> RP05/16/F2 <b>Forward RCS</b> FRC2/28/F2 <b>Airlock</b> Internal <b>RMS</b> None <b>Cryo/GN2</b> 9 PRSD/5 GN2																			
					45; STS-96					17.7 *					Up/Up																								
<b>MS2/FE</b>					Kalpana Chawla, Ph.D.					S/?					07/01/61																								
					41; STS-87					23.6					Up/Up																								
<b>MS4</b>					Laurel Clark, M.D.					M/1					03/10/61																								
					41; Rookie					7.9					Dn/Up																								
<b>PS1</b>					Israeli AF Col. Ilan Ramon					M/4					06/20/54																								
					48; Rookie					7.9					Dn/Dn																								
<b>Pilot</b>					Navy Cmdr. William McCool					M/0					09/23/61																								
					42; Rookie					7.9					Up/Up																								
<b>MS1/EV1</b>					Navy Capt. David Brown					S/?					04/16/56																								
					46; Rookie					7.9					Up/Dn																								
<b>MS3/EV2</b>					AF Lt. Col. Michael Anderson					M/0					12/25/59																								
					42; STS-89					16.7					Dn/Dn																								
<b>ISS-6 CDR</b>					Navy Captain Kenneth Bowersox					M/?					11/14/56																								
					45; STS-50,61,73,82,113/ISS6					111.5																													
<b>ISS-6 FE</b>					Cosmonaut Nikolai Budarin					M/2					04/29/53																								
					49; STS-71,TM-27,113/ISS6					346.5																													
<b>ISS-6 SO</b>					Donald Pettit, Ph.D.					M/2					04/20/55																								
					47; STS-113/ISS6					61.5																													
<b>ISS Increment Durations</b>					<b>Launch</b>					<b>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					181/00:44:00					12/05/01																													
ISS-5					171/03:33:00					06/05/02																													
ISS-6					59.5 days					11/23/02																													
ISS Manned					813.0 days*					2.23																													
<b>Flight Plan (MET and ET)</b>					<b>Flight Control Personnel</b>					<b>This will be the...</b>																													
<b>Launch:</b> 01/16/03 10:39 AM Ramon/red shift interviews 01/18/03 03:04 PM PAO Event 01/21/03 10:39 AM PAO Event 01/25/03 01:49 AM Crew news conference 01/29/03 05:29 AM Deorbit Burn 02/01/03 08:18 AM <b>Landing:</b> 02/01/03 09:15 AM					Leroy Cain Ascent/Entry Steve Stich Orbit 1 FD Kelly Beck Orbit 2 FD (lead) Bryan Austin Orbit 3 FD Jeff Hanley Orbit 4 FD  N/A ISS Orbit 1 FD N/A ISS Orbit 2 FD N/A ISS Orbit 3 FD  Mike Leinbach Launch director Jeff Spaulding NASA test director B Buckingham KSC commentator Rob Navias JSC commentator					113th Shuttle mission since STS-1 1st Of 5 flights in 2003 88th Post-Challenger mission N/A ISS/STS mission 28th Flight of Columbia 85th Day Launch 48th Day launch off pad 39A 64th Launch off pad 39A 8th 39-degree inclination 62nd Planned KSC landing 93rd Day Landing 48th Day landing at KSC 16.98 Years since 51L (at launch) 6,196.96 Days since 51L																													
Rev.: C					*Days in space as of: 01/24/03					Compiled by William Harwood																													