

# STS-115/ISS-12A Quick-Look Data

## SpaceCalc

Position/Age Astronaut/Flights Family/TIS DOB/Seat

|                   |                                      |                                 |     |          |
|-------------------|--------------------------------------|---------------------------------|-----|----------|
| <b>Commander</b>  | Navy Capt. Brent Jett Jr.<br>Age: 47 | 3: STS-72,81,97                 | M/0 | 10/05/58 |
| <b>Pilot</b>      | Navy Capt. Chris Ferguson            | 45 0: Rookie                    | M/3 | 09/01/61 |
| <b>MS1/EV1</b>    | Joseph Tanner                        | 56 3: STS-66,82,97              | M/2 | 01/21/50 |
| <b>MS2/FE/EV3</b> | USCG Cmdr. Daniel Burbank            | 45 1: STS-106                   | M/2 | 07/27/61 |
| <b>MS3/EV2</b>    | Navy Cmdr. Heide Piper               | 43 0: Rookie                    | M/1 | 02/07/63 |
| <b>MS4/EV4</b>    | Steven MacLean, Ph.D.                | 51 1: STS-52                    | M/? | 12/14/54 |
| <b>ISS-13 CDR</b> | Pavel Vinogradov                     | 53 2: Mir 24,ISS-13             | S/0 | 08/31/53 |
| <b>ISS-13 FE</b>  | Army Col. Jeffrey Williams           | 48 2: STS-101,ISS-13            | M/2 | 01/18/58 |
| <b>ISS-13 FB</b>  | Thomas Reiter, ESA                   | 48 2: Euromir 95,STS-121/ISS-13 | M/2 | 05/23/58 |

Shuttle Hardware and Flight Data

STS Mission STS-115 (flight 116)  
 Orbiter Atlantis (flight 27)  
 Payload ISS P3/P4 solar arrays  
 Launch 04:04:00 PM 08.28.06  
 Pad/MLP LC-39B/MLP-2  
 Prime TAL Zaragoza  
 Landing 12:20:00 PM 09.08.06  
 Landing Site Kennedy Space Center  
 Duration 10/20:16

Atlantis 219/21:27:17  
 STS Program 1058/04:45:48

MECO 136 x 35 sm  
 OMS Ha/Hp 140.8 x 97.8 sm  
 ISS Docking 220 sm  
 Period 91.6 minutes  
 Inclination 51.6  
 Velocity 17,188 mph  
 EOM Miles 4.9 million  
 EOM Orbits 187/188

Piper Ferguson Tanner Burbank Jett MacLean



SSMEs 2044,2047,2048  
 ET/SRB ET-118/Bi127-RSRM94  
 Software OI-30  
 Left OMS LP04/27/F1  
 Right OMS RP01/34/F1  
 Forward RCS FRC4/27/F1  
 OBSS 201  
 RMS 301  
 Cryo/GN2 5/5  
 Spacesuits TBD

Flight Plan MET Flight Control Personnel

|                    |                  |                                       |
|--------------------|------------------|---------------------------------------|
| <b>Launch</b>      | 8/28/06 04:04 PM | Steve Stich Ascent/Entry              |
|                    |                  | Paul Dye Orbit 1 FD (lead)            |
| <b>ISS Docking</b> | 8/30/06 11:40 AM | Cathy Koerner Orbit 2 FD              |
|                    |                  | Bryan Lunney Planning                 |
| <b>EVA-1</b>       | 8/31/06 10:04 AM | Mark Ferring Moscow FD                |
| <b>EVA-2</b>       | 9/1/06 10:04 AM  | John Shannon MMT chair                |
| <b>EVA-3</b>       | 9/3/06 10:04 AM  | Kelly Beck ISS Orbit 1 FD             |
|                    |                  | John McCullough ISS Orbit 2 FD (lead) |
|                    |                  | Kwatsi Alibaruho ISS Orbit 3 FD       |
| <b>Landing</b>     | 9/8/06 12:20 PM  | Mike Leinbach Launch director         |
|                    |                  | TBD NASA test director                |
|                    |                  | George Diller KSC commentator         |
|                    |                  | Kyle Herring JSC commentator          |

This will be the...

116th Shuttle mission since STS-1  
 3rd Post-Columbia mission  
 91st Post-Challenger mission  
 27th Flight of Atlantis  
 88th Day launch  
 40th Day launch pad 39B  
 52nd Launch off pad 39B  
 TBD 51.6-degree inclination  
 63rd Planned KSC landing  
 94th Planned day Landing  
 49th Planned day landing at KSC  
 20.59 Years since STS-51L  
 3.57 Years since STS-107

\* Ages as of launch date

\*Days in space as of: 7/21/06

Compiled by William Harwood