

Flights of Atlantis (OV-104)

| Times Flown | Mission Name | Crew | Launch Pad | Launch Date | Landing Date and Site | Primary Payload |
|-------------|--------------|--|------------|-----------------------|-----------------------|---|
| 1 | STS-51J | Bobko, Grabe, Stewart, Hilmers, Pailes | 39A | 10/03/85 | 10/07/85 at EAFB | DoD |
| 2 | STS-61B | Shaw, O'Connor, Cleave, Spring, Ross, Vela, Walker. | 39A | 11/26/85 | 12/03/85 at EAFB | MORELOS-B; AUSSAT-2; SATCOM; KU-2 |
| 3 | STS-27 | Gibson, Gardner, Mullane, Ross, Shepherd | 39B | 12/02/88 | 12/06/88 at EAFB | DoD |
| 4 | STS-30 | Walker, Grabe, Thagard, Cleave, Lee | 39B | 05/04/89 | 05/08/89 at EAFB | Magellan |
| 5 | STS-34 | Williams, McCulley, Baker, Chang-Diaz, Lucid | 39B | 10/18/89 | 10/23/89 at EAFB | Galileo |
| 6 | STS-36 | Creighton, Casper, Hilmers, Mullane, Thuot | 39A | 02/28/90 | 03/04/90 at EAFB | DoD |
| 7 | STS-38 | Covey, Culbertson, Gemar, Meade, Springer | 39A | 11/15/90 | 11/20/90 at KSC | DoD |
| 8 | STS-37 | Nagel, Cameron, Apt, Godwin, Ross | 39B | 04/05/91 | 04/11/91 at EAFB | Gamma Ray Observatory |
| 9 | STS-43 | Blaha, Baker, Adamson, Low, Lucid | 39A | 08/02/91 | 08/11/91 at KSC | TDRS-5 |
| 10 | STS-44 | Gregory, Henricks, Runco, Voss, Musgrave, Hennen | 39A | 11/24/91 | 12/01/91 at EAFB | DSP |
| 11 | STS-45 | Bolden, Duffy, Sullivan, Leestma, Foale, Frimout, Lichtenberg | 39A | 03/24/92 | 04/02/92 at KSC | ATLAS-1 |
| 12 | STS-46 | Shriver, Allen, Hoffman, Chang-Diaz, Ivins, Nicollier, Malerba | 39B | 07/31/92 | 08/08/92 at KSC | TSS-1; EURECA deploy |
| 13 | STS-66 | McMonagle, Brown, Ochoa, Tanner, Parazynski, Clervoy | 39B | 11/03/94 | 11/14/94 at EAFB | ATLAS-3 |
| 14 | STS-71 | Gibson, Precourt, Baker, Harbaugh, Dunbar; Solovyev, Budarin (up to Mir); Thagard, Dezhurov, Strelakov (down from Mir) | 39A | 06/27/95 | 07/07/95 at KSC | 3rd Shuttle-Mir Mission - 1st docking |
| 15 | STS-74 | Cameron, Halsell, Ross, Hadfield, McArthur | 39A | 11/12/95 | 11/20/95 at KSC | 4th Shuttle-Mir Mission - 2nd docking; docking module/solar arrays |
| 16 | STS-76 | Chilton, Searfoss, Sega, Clifford, Godwin; Lucid (up to Mir) | 39B | 03/22/96 | 03/31/96 at EAFB | 5th Shuttle-Mir Mission - 3rd docking; SPACEHAB; ESA's Biorack |
| 17 | STS-79 | Readdy, Wilcutt, Akers, Apt, Walz; Blaha (up to Mir); Lucid (down from Mir) | 39A | 09/16/96 | 09/26/96 at KSC | 6th Shuttle-Mir Mission - 4th docking; SPACEHAB-DM |
| 18 | STS-81 | Baker, Jett, Grunsfeld, Ivins, Wisoff; Linenger (up to Mir); Blaha (down from Mir) | 39B | 01/12/97 | 01/22/97 at KSC | 7th Shuttle-Mir Mission - 5th docking; SPACEHAB-DM |
| 19 | STS-84 | Precourt, Collins, Noriega, Lu, Clervoy, Kondakova; Foale (up to Mir); Linenger (down from Mir) | 39A | 05/15/97 | 05/24/97 at KSC | 8th Shuttle-Mir Mission - 6th docking; SPACEHAB-DM |
| 20 | STS-86 | Wetherbee, Bloomfield, Titov, Parazynski, Chretien, Lawrence; Wolf (up to Mir); Foale (down from Mir) | 39A | 09/25/97 | 10/06/97 at KSC | 9th Shuttle-Mir docking - 7th docking; SPACEHAB-DM |
| 21 | STS-101 | Halsell, Horowitz, Weber, Williams, Voss, Helms, Usachev | 39A | 05/19/00 | 05/29/00 at KSC | 3rd ISS Mission - supplies; replacement gear |
| 22 | STS-106 | Wilcutt, Altman, Lu, Malenchenko, Morokov, Mastracchio, Burbank | 39B | 09/08/00 | 09/20/00 at KSC | 4th ISS Mission - cargo transfer |
| 23 | STS-98 | Cockrell, Polansky, Curbeam, Ivins, Jones | 39A | 02/07/01 | 02/20/01 at EAFB | 7th ISS Mission - Destiny Lab; SIMPLEX Experiments |
| 24 | STS-104 | Lindsey, Hobaugh, Gernhardt, Reilly, Kavandi | 39B | 07/12/01 | 07/24/01 at KSC | 10th ISS Mission - Quest Joint Airlock |
| 25 | STS-110 | Bloomfield, Frick, Walheim, Ochoa, Morin, Ross, Smith | 39B | 04/08/02 | 04/19/02 at KSC | 13th ISS Mission - S0 Truss Segment; Mobile Transporter |
| 26 | STS-112 | Ashby, Melroy, Wolf, Sellers, Magnus, Yurchikhin | 39B | 10/07/02 | 10/18/02 at KSC | 15th ISS Mission - S1 Truss Segment; CETA Cart A |
| 27 | STS-115 | Jett, Ferguson, Tanner, Burbank, MacLean, Stefanyshyn-Piper | 39B | 09/09/06 | 09/21/06 at KSC | 19th ISS Mission - P3/P4 Truss Segment |
| 28 | STS-117 | Sturckow, Archambault, Reilly, Forrester, Swanson, Olivias; Anderson (up to ISS); Williams (down from ISS) | 39A | 06/08/07 | 06/22/07 at EAFB | 21st ISS Mission - S3/S4 Truss Segment; Solar Alpha Rotary Joint |
| 29 | STS-122 | Frick, Poindexter, Walheim, Love, Melvin, Schlegel; Eyharts (up to ISS); Tani (down from ISS) | 39A | 02/07/08 | 02/20/08 at KSC | 24th ISS Mission - Columbus Laboratory |
| 30 | STS-125 | Altman, Johnson, Grunsfeld, Massimino, Feustel, Good, McArthur | 39A | 05/11/09 | 05/24/09 at EAFB | 5th (final) Hubble Space Telescope Servicing Mission |
| 31 | STS-129 | Hobaugh, Wilmore, Melvin, Bresnik, Foreman, Satcher; Stott (down from ISS) | 39A | 11/16/09 | 11/27/09 at KSC | 31st ISS Mission - ExPRESS Logistics Carriers 1 and 2 |
| 32 | STS-132 | Ham, Antonelli, Reisman, Good, Bowen, Sellers | 39A | 05/14/10 | 05/26/10 at KSC | 34th ISS Mission - Mini Research Module-1; Integrated Cargo Carrier-Vertical Light Deployable |
| 33 | STS-135 | Ferguson, Hurley, Magnus, Walheim | 39A | Targeted for 07/08/11 | | 37th ISS Mission (final planned mission for Atlantis and NASA's Space Shuttle Program) - Raffaello multi-purpose logistics module |



National Aeronautics and Space Administration

ATLANTIS (OV-104)

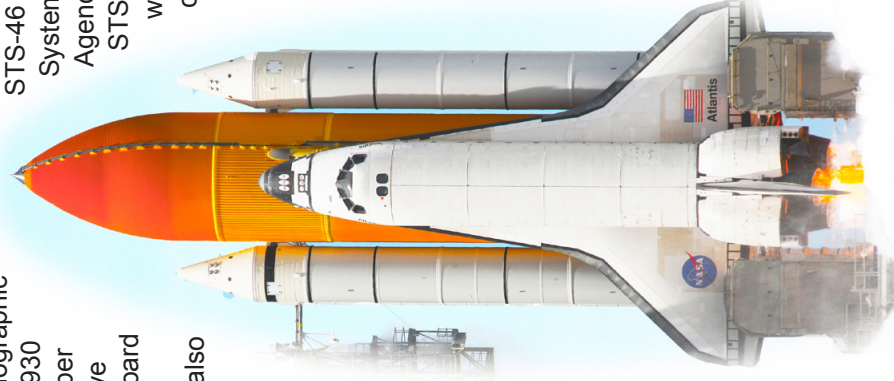
Atlantis was NASA's fourth space shuttle orbiter to join the fleet at Kennedy Space Center in Florida. Atlantis also is known inside the space agency by its designation Orbiter Vehicle-104, or OV-104.

Construction of Atlantis began March 30, 1980, and it rolled out of the assembly plant in Palmdale, Calif., in March 1985. It first launched Oct. 3, 1985.

Atlantis is named after the two-masted boat that served as the primary research vessel for the Woods Hole Oceanographic Institute in Massachusetts from 1930 to 1966. The boat had a 17-member crew and accommodated up to five scientists who worked in two onboard laboratories, examining water samples and marine life. Atlantis also served as the in-orbit launch site for many noteworthy spacecraft, including planetary probes Magellan and Galileo, as well as the Compton Gamma Ray Observatory.

Starting with STS-71, Atlantis pioneered the Shuttle-Mir missions, flying the first seven missions to dock with the Russian space station. When linked, Atlantis and Mir together formed the largest spacecraft in orbit at the time.

Atlantis is targeted to liftoff on its final mission, STS-135, on July 8, 2011. It will be the final space shuttle retired from NASA's fleet.



KEY ATLANTIS MISSIONS

- STS-51J – Maiden Flight
- STS-30 – Deployed the Magellan probe bound for Venus
- STS-34 – Deployed the Galileo probe bound for Jupiter
- STS-37 – Deployed the Compton Gamma Ray Observatory, the second of NASA's Great Observatories Program
- STS-45 – Carried first Atmospheric Laboratory for Applications and Science
- STS-46 – Deployed the Tethered Satellite System (TSS), a joint NASA/Italian Space Agency experiment
- STS-71 – First historic shuttle docking with space station Mir. 100th U.S. crewed spaceflight
- STS-98 – International Space Station assembly mission, which carried and assembled the Destiny Laboratory
- STS-125 – Final servicing mission for NASA's Hubble Space Telescope

THE NUMBERS (Prior to STS-135)

- Total miles traveled: 120,650,907
- Total time in space: 293 days, 18 hours, 29 minutes, 37 seconds
- Total orbits: 4,648
- Total flights: 32
- Total crew members: 191
- Mir dockings: 7
- International Space Station dockings: 11
- Satellites deployed: 14

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