

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, Strekalov (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, Olivas; 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	Scheduled for 07/08/11		37th ISS Mission (final planned mission for Atlantis and NASA's Space Shuttle Program) - Raffaello multi-purpose logistics module



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 scheduled 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

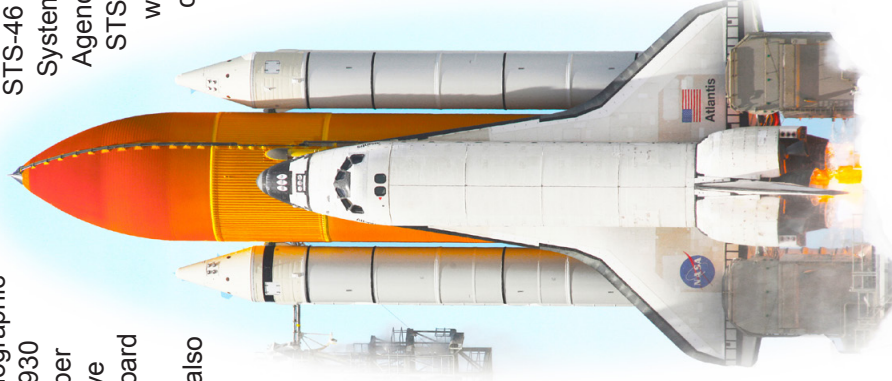
STS-51J – Maiden Flight
STS-30 – Deployed the Magellan probe bound for Venus
STS-34 – Deployed the Galileo probe bound for Jupiter
STS-37 – Deployed the Compton Gamma Ray Observatory, the second of NASA's Great Observatories Program
STS-45 – Carried first Atmospheric Laboratory for Applications and Science
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: 203
Mir dockings: 7
International Space Station dockings: 11
Satellites deployed: 14



NASAfacts