



1
00:00:14,549 --> 00:00:13,030
atlantis is the fourth orbiter in nasa's

2
00:00:16,790 --> 00:00:14,559
space shuttle fleet to launch from

3
00:00:19,910 --> 00:00:16,800
kennedy space center in florida

4
00:00:21,429 --> 00:00:19,920
also designated orbiter vehicle 104 or

5
00:00:23,670 --> 00:00:21,439
ov-104

6
00:00:25,509 --> 00:00:23,680
atlantis is named after the primary

7
00:00:27,830 --> 00:00:25,519
research vessel for the woods hole

8
00:00:31,830 --> 00:00:27,840
oceanographic institute in massachusetts

9
00:00:34,510 --> 00:00:31,840
from 1930 to 1966.

10
00:00:37,990 --> 00:00:34,520
atlantis arrived at kennedy on april 13

11
00:00:39,910 --> 00:00:38,000
1985 from palmdale california and spent

12
00:00:42,069 --> 00:00:39,920
seven months in an orbiter processing

13
00:00:43,830 --> 00:00:42,079

facility while nasa and contractor

14

00:00:45,110 --> 00:00:43,840

workers prepared the vehicle for its

15

00:00:49,029 --> 00:00:45,120

maiden voyage

16

00:00:51,110 --> 00:00:49,039

ignition and liftoff liftoff of atlantis

17

00:00:54,229 --> 00:00:51,120

a new orbiter joins the shuttle fleet

18

00:00:56,229 --> 00:00:54,239

and it has cleared the tower

19

00:00:57,790 --> 00:00:56,239

space shuttle atlantis launched on its

20

00:01:02,470 --> 00:00:57,800

first space flight

21

00:01:04,549 --> 00:01:02,480

sts-51j on october 3rd 1985 and carried

22

00:01:06,789 --> 00:01:04,559

a classified payload for the u.s

23

00:01:09,350 --> 00:01:06,799

department of defense

24

00:01:11,350 --> 00:01:09,360

during the last 25 years atlantis has

25

00:01:13,990 --> 00:01:11,360

served as the on-orbit launch site for

26
00:01:17,670 --> 00:01:14,000
many noteworthy spacecraft including the

27
00:01:21,190 --> 00:01:17,680
planetary probes magellan and galileo

28
00:01:23,190 --> 00:01:21,200
starting with sts-71 atlantis pioneered

29
00:01:25,109 --> 00:01:23,200
the shuttle mir missions flying the

30
00:01:27,109 --> 00:01:25,119
first seven missions to dock with the

31
00:01:30,069 --> 00:01:27,119
russian space station

32
00:01:33,109 --> 00:01:30,079
during the fourth docking mission sts-79

33
00:01:35,270 --> 00:01:33,119
in september 1996 atlantis ferried

34
00:01:38,069 --> 00:01:35,280
astronaut shanna lucid back to earth

35
00:01:40,550 --> 00:01:38,079
after her record-setting 188 days in

36
00:01:42,789 --> 00:01:40,560
orbit aboard mir

37
00:01:44,310 --> 00:01:42,799
in recent years atlantis delivered

38
00:01:46,630 --> 00:01:44,320

several vital components to the

39

00:01:49,429 --> 00:01:46,640

international space station including

40

00:01:51,910 --> 00:01:49,439

the u.s laboratory module destiny as

41

00:01:53,670 --> 00:01:51,920

well as the quest joint airlock and

42

00:01:55,350 --> 00:01:53,680

multiple sections of the integrated

43

00:01:57,429 --> 00:01:55,360

truss structure that make up the

44

00:02:00,310 --> 00:01:57,439

station's backbone

45

00:02:03,749 --> 00:02:00,320

the sts-125 mission aboard atlantis in

46

00:02:06,709 --> 00:02:03,759

may 2009 was the fifth and final hubble

47

00:02:08,389 --> 00:02:06,719

space telescope servicing mission

48

00:02:10,869 --> 00:02:08,399

throughout the years atlantis has

49

00:02:12,790 --> 00:02:10,879

undergone two overhauls known as orbiter

50

00:02:14,790 --> 00:02:12,800

maintenance down periods

51
00:02:17,190 --> 00:02:14,800
some of the most significant upgrades

52
00:02:19,430 --> 00:02:17,200
and new features include installation of

53
00:02:21,750 --> 00:02:19,440
the drag chute improved nose wheel

54
00:02:23,670 --> 00:02:21,760
steering installation of the space

55
00:02:26,390 --> 00:02:23,680
station airlock and orbiter docking

56
00:02:29,270 --> 00:02:26,400
system and the multifunction electronic

57
00:02:32,229 --> 00:02:29,280
display system or glass cockpit with the

58
00:02:34,710 --> 00:02:32,239
launch of atlantis on sts-132

59
00:02:37,030 --> 00:02:34,720
the vehicle will have flown 32 missions

60
00:02:39,350 --> 00:02:37,040
carried more than 200 astronauts to and