



1
00:00:10,230 --> 00:00:08,230
space shuttle atlantis and its crew

2
00:00:14,070 --> 00:00:10,240
blazed into a bright florida afternoon

3
00:00:16,790 --> 00:00:14,080
sky on may 14 2010 leaving launch pad

4
00:00:18,390 --> 00:00:16,800
39a at nasa's kennedy space center to

5
00:00:20,790 --> 00:00:18,400
begin a 12-day mission to the

6
00:00:24,070 --> 00:00:20,800
international space station

7
00:00:25,910 --> 00:00:24,080
carrying a six-member sts-132 crew led

8
00:00:28,310 --> 00:00:25,920
by commander ken ham

9
00:00:30,550 --> 00:00:28,320
this was the 32nd and final planned

10
00:00:31,669 --> 00:00:30,560
mission for atlantis in his 25-year

11
00:00:33,670 --> 00:00:31,679
career

12
00:00:35,830 --> 00:00:33,680
tucked in the shuttle's payload bay was

13
00:00:37,430 --> 00:00:35,840

the russian mini research module one

14

00:00:39,030 --> 00:00:37,440

called rosset

15

00:00:40,950 --> 00:00:39,040

the module is the first russian

16

00:00:42,830 --> 00:00:40,960

component ever to be carried by a space

17

00:00:45,670 --> 00:00:42,840

shuttle to the international space

18

00:00:47,270 --> 00:00:45,680

station after the in-flight inspection

19

00:00:49,190 --> 00:00:47,280

atlantis and crew caught up to the

20

00:00:51,590 --> 00:00:49,200

orbiting laboratory and joined the

21

00:00:54,069 --> 00:00:51,600

station's onboard crew of six as the

22

00:00:56,229 --> 00:00:54,079

dock portion of the mission began

23

00:00:57,990 --> 00:00:56,239

during their time at the station members

24

00:00:59,670 --> 00:00:58,000

of the shuttle's crew conducted three

25

00:01:01,270 --> 00:00:59,680

spacewalks

26

00:01:02,270 --> 00:01:01,280

on their first venture outside the

27

00:01:04,549 --> 00:01:02,280

station

28

00:01:06,710 --> 00:01:04,559

sts-132 mission specialist garrett

29

00:01:09,190 --> 00:01:06,720

riesman and steve bowen attached an

30

00:01:11,270 --> 00:01:09,200

additional space to ground antenna and

31

00:01:12,630 --> 00:01:11,280

completed other tasks on the exterior of

32

00:01:14,310 --> 00:01:12,640

the station

33

00:01:16,310 --> 00:01:14,320

during the almost seven and a half hour

34

00:01:18,310 --> 00:01:16,320

space walk they were assisted from

35

00:01:20,310 --> 00:01:18,320

inside the station by shuttle astronaut

36

00:01:22,390 --> 00:01:20,320

piers sellers and station flight

37

00:01:25,109 --> 00:01:22,400

engineer tracy caldwell dyson who

38

00:01:28,390 --> 00:01:25,119

operated the station's robotic arm

39

00:01:30,469 --> 00:01:28,400

hamm and sts-132 pilot tony antonelli

40

00:01:32,550 --> 00:01:30,479

used the shuttle's arm to remove the

41

00:01:34,149 --> 00:01:32,560

russian research module from atlantis

42

00:01:35,910 --> 00:01:34,159

payload bay

43

00:01:38,390 --> 00:01:35,920

then the module was handed off to the

44

00:01:40,550 --> 00:01:38,400

station's arm operated by reese man and

45

00:01:43,429 --> 00:01:40,560

sellars who moved it into its attached

46

00:01:45,190 --> 00:01:43,439

position on the zarya service module

47

00:01:47,910 --> 00:01:45,200

the new module will provide additional

48

00:01:50,870 --> 00:01:47,920

storage space and a new docking port for

49

00:01:53,270 --> 00:01:50,880

russian soyas and progress spacecraft

50

00:01:55,350 --> 00:01:53,280

on the second spacewalk bowen team with

51
00:01:57,749 --> 00:01:55,360
shuttle mission specialist michael good

52
00:02:01,109 --> 00:01:57,759
to change out four batteries on the p6

53
00:02:02,469 --> 00:02:01,119
truss each weighing about 375 pounds on

54
00:02:04,950 --> 00:02:02,479
earth

55
00:02:06,950 --> 00:02:04,960
during their seven hour trip outside

56
00:02:08,550 --> 00:02:06,960
they also finished the last task on the

57
00:02:10,790 --> 00:02:08,560
antenna installation

58
00:02:12,949 --> 00:02:10,800
and bowen fixed a snag camera cable on

59
00:02:14,309 --> 00:02:12,959
the shuttle's sensor boom

60
00:02:16,710 --> 00:02:14,319
good paired with reisman for the

61
00:02:18,229 --> 00:02:16,720
flight's third and final spacewalk

62
00:02:20,550 --> 00:02:18,239
during which they replaced two

63
00:02:21,750 --> 00:02:20,560

additional batteries on the p6 truss

64

00:02:24,229 --> 00:02:21,760

which is part of the station's

65

00:02:26,070 --> 00:02:24,239

structural backbone and completed other

66

00:02:27,910 --> 00:02:26,080

tasks

67

00:02:29,670 --> 00:02:27,920

once the mission's work was successfully

68

00:02:31,750 --> 00:02:29,680

completed and equipment and supplies

69

00:02:33,750 --> 00:02:31,760

transferred the visiting crew said

70

00:02:35,270 --> 00:02:33,760

goodbye and atlantis undocked from the

71

00:02:36,790 --> 00:02:35,280

station

72

00:02:39,270 --> 00:02:36,800

standard inspections of the shuttle

73

00:02:41,190 --> 00:02:39,280

revealed no issues and mission control

74

00:02:43,990 --> 00:02:41,200

in houston gave atlantis astronauts the

75

00:02:45,670 --> 00:02:44,000

word that they were cleared for landing

76

00:02:48,229 --> 00:02:45,680

as with launch florida's weather

77

00:02:49,750 --> 00:02:48,239

cooperated as atlantis glided home

78

00:02:52,070 --> 00:02:49,760

touching down at kennedy's shuttle

79

00:02:53,750 --> 00:02:52,080

landing facility the morning of may 26

80

00:02:55,589 --> 00:02:53,760

2010.

81

00:02:57,670 --> 00:02:55,599

the landing brought an end to a nearly

82

00:03:01,030 --> 00:02:57,680

perfect mission and completed atlantis

83

00:03:03,030 --> 00:03:01,040

last planned flight on a high note

84

00:03:04,869 --> 00:03:03,040

atlantis is an incredible ship

85

00:03:07,509 --> 00:03:04,879

she was absolutely perfect through this

86

00:03:09,030 --> 00:03:07,519

entire mission and uh probably our main

87

00:03:10,630 --> 00:03:09,040

objective besides getting the mission

88

00:03:12,630 --> 00:03:10,640

done was to bring her back in great

89

00:03:14,550 --> 00:03:12,640

shape and in one piece so we're happy to