



1  
00:00:11,030 --> 00:00:09,350  
flight day three of shuttle mission

2  
00:00:13,589 --> 00:00:11,040  
sts-133

3  
00:00:15,270 --> 00:00:13,599  
showing a successful link up of shuttle

4  
00:00:17,750 --> 00:00:15,280  
discovery to the international space

5  
00:00:20,230 --> 00:00:17,760  
station on its final flight

6  
00:00:22,230 --> 00:00:20,240  
rendezvous activities got started early

7  
00:00:24,310 --> 00:00:22,240  
saturday morning as the

8  
00:00:26,950 --> 00:00:24,320  
shuttle crew commander steve lindsey and

9  
00:00:29,429 --> 00:00:26,960  
his crew got busy with engine firings

10  
00:00:31,589 --> 00:00:29,439  
that brought discovery up underneath the

11  
00:00:34,150 --> 00:00:31,599  
international space station

12  
00:00:35,030 --> 00:00:34,160  
my call initiating rpm

13  
00:00:37,350 --> 00:00:35,040

three

14

00:00:39,350 --> 00:00:37,360

two one mark

15

00:00:41,910 --> 00:00:39,360

from there they performed the

16

00:00:44,549 --> 00:00:41,920

standard rendezvous pitch maneuver a

17

00:00:47,190 --> 00:00:44,559

head over heels back flip of the shuttle

18

00:00:49,830 --> 00:00:47,200

that allowed station crew members using

19

00:00:52,389 --> 00:00:49,840

digital cameras with high powered lenses

20

00:00:54,869 --> 00:00:52,399

to capture imagery of the heat shield

21

00:00:56,389 --> 00:00:54,879

tiles on the underside of discovery

22

00:00:59,029 --> 00:00:56,399

they're looking for any evidence of

23

00:01:02,069 --> 00:00:59,039

damage done to that thermal protection

24

00:01:04,310 --> 00:01:02,079

system by debris on ascent or

25

00:01:06,630 --> 00:01:04,320

subsequently on orbit they then

26  
00:01:10,950 --> 00:01:06,640  
proceeded on into the docking which took

27  
00:01:12,870 --> 00:01:10,960  
place at 1 14 central time the 13th and

28  
00:01:15,030 --> 00:01:12,880  
final docking of shuttle discovery to

29  
00:01:17,910 --> 00:01:15,040  
the international space station there

30  
00:01:20,870 --> 00:01:17,920  
was something of a delay in finalizing

31  
00:01:23,109 --> 00:01:20,880  
the hard mate of the two vehicles they

32  
00:01:26,230 --> 00:01:23,119  
were had to wait until the relative

33  
00:01:28,469 --> 00:01:26,240  
motion of the two vehicles damped out

34  
00:01:31,270 --> 00:01:28,479  
and in the process that allowed

35  
00:01:33,590 --> 00:01:31,280  
unfortunately the stack rotated a bit in

36  
00:01:34,630 --> 00:01:33,600  
orbit because both vehicles were in free

37  
00:01:37,350 --> 00:01:34,640  
drift

38  
00:01:40,789 --> 00:01:37,360

but that was resolved in about a half an

39

00:01:43,190 --> 00:01:40,799

hour's time the two vehicles had a hard

40

00:01:44,550 --> 00:01:43,200

mate and the space shuttle engines were

41

00:01:47,190 --> 00:01:44,560

used to

42

00:01:50,149 --> 00:01:47,200

bring the mated stack into a proper

43

00:01:52,149 --> 00:01:50,159

position so that the station's solar

44

00:01:54,310 --> 00:01:52,159

arrays could once again begin uh

45

00:01:55,429 --> 00:01:54,320

generating electricity to power the

46

00:01:57,109 --> 00:01:55,439

batteries

47

00:02:00,950 --> 00:01:57,119

the hatches between the two vehicles

48

00:02:03,109 --> 00:02:00,960

opened at 3 16 houston time and the crew

49

00:02:05,350 --> 00:02:03,119

of the space shuttle joined their

50

00:02:08,550 --> 00:02:05,360

station crewmates on board

51  
00:02:11,750 --> 00:02:08,560  
and began right away to begin transfer

52  
00:02:14,150 --> 00:02:11,760  
of spacewalk equipment that will be used

53  
00:02:16,869 --> 00:02:14,160  
by mission specialists al drew and steve

54  
00:02:18,790 --> 00:02:16,879  
bowen during spacewalks coming up on

55  
00:02:21,350 --> 00:02:18,800  
monday and wednesday

56  
00:02:23,670 --> 00:02:21,360  
the largest activity of the day was

57  
00:02:26,309 --> 00:02:23,680  
completed late in the crew day the

58  
00:02:28,949 --> 00:02:26,319  
installation of the express logistics

59  
00:02:31,430 --> 00:02:28,959  
carrier number four was completed

60  
00:02:33,670 --> 00:02:31,440  
through the use of the two robot arms

61  
00:02:36,630 --> 00:02:33,680  
the space station's robotic arm

62  
00:02:38,790 --> 00:02:36,640  
unbirthed the elc-3 from the payload bay

63  
00:02:41,509 --> 00:02:38,800

and handed it off to the space shuttle

64

00:02:43,670 --> 00:02:41,519

arm then the station arm changed its

65

00:02:47,030 --> 00:02:43,680

base of operations from the harmony

66

00:02:49,270 --> 00:02:47,040

module to the mobile base system

67

00:02:51,830 --> 00:02:49,280

from there it was commanded by mission

68

00:02:55,190 --> 00:02:51,840

specialist nicole stott operating out of

69

00:02:58,550 --> 00:02:55,200

the cupola module to reach back out and

70

00:03:01,350 --> 00:02:58,560

take a grip once again on elc 4. the

71

00:03:05,110 --> 00:03:01,360

shuttle arm released it and a stott

72

00:03:07,430 --> 00:03:05,120

guided elc-4 to a berth on the underside

73

00:03:10,869 --> 00:03:07,440

of the space station's truss structure

74

00:03:13,750 --> 00:03:10,879

on the starboard 3 element where the

75

00:03:14,710 --> 00:03:13,760

crew members completed their daily tasks

76

00:03:16,830 --> 00:03:14,720

it was

77

00:03:19,589 --> 00:03:16,840

really very impressive working from the

78

00:03:21,589 --> 00:03:19,599

cupola and watching how these arms work

79

00:03:22,869 --> 00:03:21,599

together and getting elc birth to the

80

00:03:24,390 --> 00:03:22,879

trust

81

00:03:26,149 --> 00:03:24,400

thanks for those words nicole and you