1
00:00:13,749 --> 00:00:11,589
good morning discovery

2
00:00:16,550 --> 00:00:13,759
and a special good morning to nicole

3
00:00:18,070 --> 00:00:16,560
nicole that song was for you and a

4
00:00:19,670 --> 00:00:18,080
special thanks to our friend davey

5
00:00:21,349 --> 00:00:19,680
knowles for his rendition of that song

6
00:00:23,910 --> 00:00:21,359
it's one of my favorites and we are

7
00:00:25,429 --> 00:00:23,920
looking forward to eva one

8
00:00:28,070 --> 00:00:25,439
we're taking a live look inside the

9
00:00:30,630 --> 00:00:28,080
quest airlock is steve bowen and aldrue

10
00:00:33,510 --> 00:00:30,640
get ready to do this first spacewalk of

11
00:00:39,750 --> 00:00:33,520
the sts-133 mission

12
00:00:44,229 --> 00:00:41,510
the two spacewalkers moved right into

13
00:00:46,950 --> 00:00:44,239

their task of installing an extension

14
00:00:48,549 --> 00:00:46,960
cable that runs from the unity module to

15
00:00:50,549 --> 00:00:48,559
the tranquility module of the

16
00:00:52,869 --> 00:00:50,559
international space station that

17
00:00:55,590 --> 00:00:52,879
extension cable is required to be able

18
00:00:58,069 --> 00:00:55,600
to continue to provide emergency power

19
00:01:00,389 --> 00:00:58,079
to the tranquility module in case of a

20
00:01:02,950 --> 00:01:00,399
contingency the extension cable was

21
00:01:05,270 --> 00:01:02,960
required because the plug will become

22
00:01:07,590 --> 00:01:05,280
inaccessible after the permanent

23
00:01:10,950 --> 00:01:07,600
multi-purpose module is installed on the

24
00:01:13,190 --> 00:01:10,960
underside of unity on the coming day the

25
00:01:15,749 --> 00:01:13,200
next task for the crew members was to

26
00:01:19,510 --> 00:01:15,759
set up a foot restraint on the robotic

27
00:01:22,710 --> 00:01:19,520
arm for steve bowen to get into and go

28
00:01:25,350 --> 00:01:22,720
to retrieve a failed pump module there's

29
00:01:28,710 --> 00:01:25,360
a module which is part of the station's

30
00:01:31,590 --> 00:01:28,720
cooling system failed last summer and

31
00:01:33,670 --> 00:01:31,600
had to be replaced in a space walk by

32
00:01:36,390 --> 00:01:33,680
station crew members doug wheelock and

33
00:01:38,789 --> 00:01:36,400
tracy caldwell dyson today with the help

34
00:01:41,749 --> 00:01:38,799
of the robotic arm steve bowen retrieved

35
00:01:44,789 --> 00:01:41,759
that failed pump module from a

36
00:01:46,789 --> 00:01:44,799
holding place out on the truss and moved

37
00:01:49,749 --> 00:01:46,799
it to the stowage platform that's

38
00:01:52,870 --> 00:01:49,759

attached to the station's quest airlock

39
00:01:55,030 --> 00:01:52,880
there it will stay until it is retrieved

40
00:01:57,350 --> 00:01:55,040
by spacewalking crew members on shuttle

41
00:01:59,190 --> 00:01:57,360
mission sts-134

42
00:02:01,830 --> 00:01:59,200
for return to earth

43
00:02:05,350 --> 00:02:01,840
the next big task for bowen and drew was

44
00:02:07,590 --> 00:02:05,360
to translate out onto the s-1 section of

45
00:02:10,389 --> 00:02:07,600
the space station's truss structure very

46
00:02:12,710 --> 00:02:10,399
near the new spare parts platform that

47
00:02:13,589 --> 00:02:12,720
was installed on docking day of this

48
00:02:15,910 --> 00:02:13,599
mission

49
00:02:17,990 --> 00:02:15,920
there they removed a camera stanchion

50
00:02:20,949 --> 00:02:18,000
and reinstalled it with a wedge

51
00:02:22,470 --> 00:02:20,959
underneath that cans that camera

52
00:02:25,190 --> 00:02:22,480
platform out

53
00:02:27,589 --> 00:02:25,200
providing enough space between it and

54
00:02:30,470 --> 00:02:27,599
the new express logistics carrier so

55
00:02:33,350 --> 00:02:30,480
that the robotic arm can maneuver spare

56
00:02:35,350 --> 00:02:33,360
parts in and out of that platform

57
00:02:38,550 --> 00:02:35,360
at that point the crew members moved on

58
00:02:41,830 --> 00:02:38,560
to a get ahead task they installed some

59
00:02:44,229 --> 00:02:41,840
extensions on the station's truss rail

60
00:02:45,589 --> 00:02:44,239
system they moved out further on the

61
00:02:48,390 --> 00:02:45,599
starboard side

62
00:02:51,190 --> 00:02:48,400
just to the intersection where the solar

63
00:02:53,750 --> 00:02:51,200

alpha rotary joint is and installed some

64
00:02:56,949 --> 00:02:53,760
extensions there that will allow these

65
00:02:59,350 --> 00:02:56,959
seda carts to move to the end of their

66
00:03:02,949 --> 00:02:59,360
necessary work site without their wheels

67
00:03:06,470 --> 00:03:04,390
we're gonna um tracks

68
00:03:08,229 --> 00:03:06,480
steve finish up the whip extender task

69
00:03:13,270 --> 00:03:08,239
and then head back to the airlock and

70
00:03:18,390 --> 00:03:15,990
we'll be working message in a bottleneck

71
00:03:21,589 --> 00:03:18,400
al drew got a bottle provided by the

72
00:03:23,589 --> 00:03:21,599
japan aerospace exploration agency and

73
00:03:26,309 --> 00:03:23,599
opened that bottle to capture some of

74
00:03:28,550 --> 00:03:26,319
the vacuum of space that bottle was