1
00:00:13,830 --> 00:00:11,589
good morning discovery

2
00:00:16,630 --> 00:00:13,840
and a special good morning to nicole

3
00:00:18,070 --> 00:00:16,640
nicole that song was for you and a

4
00:00:19,750 --> 00:00:18,080
special thanks to our friend davey

5
00:00:21,429 --> 00:00:19,760
knowles for his rendition of that song

6
00:00:23,910 --> 00:00:21,439
it's one of my favorites and we are

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

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 al drew

10
00:00:33,590 --> 00:00:30,640
get ready to do this first spacewalk of

11
00:00:39,830 --> 00:00:33,600
the sts-133 mission

12
00:00:44,310 --> 00:00:41,590
the two space walkers moved right into

13
00:00:47,029 --> 00:00:44,320

their task of installing an extension

14
00:00:48,549 --> 00:00:47,039
cable that runs from the unity module to

15
00:00:50,630 --> 00:00:48,559
the tranquility module of the

16
00:00:52,869 --> 00:00:50,640
international space station that

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

18
00:00:58,150 --> 00:00:55,600
to continue to provide emergency power

19
00:01:00,389 --> 00:00:58,160
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
00:01:10,870 --> 00:01:07,600
multi-purpose module is installed on the

24
00:01:12,870 --> 00:01:10,880
underside of unity on the coming day

25
00:01:15,270 --> 00:01:12,880
the next task for the crew members was

26
00:01:18,710 --> 00:01:15,280
to set up a foot restraint on the

27
00:01:22,469 --> 00:01:18,720
robotic arm for steve bowen to get into

28
00:01:24,469 --> 00:01:22,479
and go to retrieve a failed pump module

29
00:01:26,710 --> 00:01:24,479
this module which is part of the

30
00:01:29,429 --> 00:01:26,720
station's cooling system

31
00:01:32,310 --> 00:01:29,439
failed last summer and had to be

32
00:01:34,630 --> 00:01:32,320
replaced in a space walk by station crew

33
00:01:37,109 --> 00:01:34,640
members doug wheelock and tracy caldwell

34
00:01:39,590 --> 00:01:37,119
dyson today with the help of the robotic

35
00:01:41,830 --> 00:01:39,600
arm steve bowen retrieved that failed

36
00:01:44,789 --> 00:01:41,840
pump module from a

37
00:01:46,789 --> 00:01:44,799
holding place out on the truss and moved

38
00:01:49,830 --> 00:01:46,799

it to the stowage platform that's

39
00:01:52,950 --> 00:01:49,840
attached to the station's quest airlock

40
00:01:55,030 --> 00:01:52,960
there it will stay until it is retrieved

41
00:01:57,429 --> 00:01:55,040
by spacewalking crew members on shuttle

42
00:01:59,190 --> 00:01:57,439
mission sts-134

43
00:02:01,910 --> 00:01:59,200
for return to earth

44
00:02:05,350 --> 00:02:01,920
the next big task for bowen and drew was

45
00:02:07,590 --> 00:02:05,360
to translate out onto the s-1 section of

46
00:02:10,469 --> 00:02:07,600
the space station's truss structure very

47
00:02:12,710 --> 00:02:10,479
near the new spare parts platform that

48
00:02:15,110 --> 00:02:12,720
was installed on docking day of this

49
00:02:17,510 --> 00:02:15,120
mission there they removed a camera

50
00:02:20,949 --> 00:02:17,520
stanchion and reinstalled it with a

51
00:02:23,750 --> 00:02:20,959
wedge underneath that can't that camera

52
00:02:26,790 --> 00:02:23,760
platform out providing enough space

53
00:02:29,270 --> 00:02:26,800
between it and the new express logistics

54
00:02:31,990 --> 00:02:29,280
carrier so that the robotic arm can

55
00:02:33,350 --> 00:02:32,000
maneuver spare parts in and out of that

56
00:02:35,350 --> 00:02:33,360
platform

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

58
00:02:41,910 --> 00:02:38,560
to a get ahead task they installed some

59
00:02:44,229 --> 00:02:41,920
extensions on the station's truss rail

60
00:02:45,670 --> 00:02:44,239
system they moved out further on the

61
00:02:48,390 --> 00:02:45,680
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
00:03:02,550 --> 00:02:59,360
necessary work site without their wheels

67
00:03:05,190 --> 00:03:02,560
actually coming off of the tracks uh you

68
00:03:06,949 --> 00:03:05,200
agree we're gonna um let steve finish up

69
00:03:08,710 --> 00:03:06,959
the whip extender task and then head

70
00:03:13,270 --> 00:03:08,720
back to the airlock and then we'll be

71
00:03:18,470 --> 00:03:15,990
we'll be working message in a bottleneck

72
00:03:21,589 --> 00:03:18,480
al drew got a bottle provided by the

73
00:03:23,670 --> 00:03:21,599
japan aerospace exploration agency and

74
00:03:26,309 --> 00:03:23,680
opened that bottle to capture some of

75
00:03:28,550 --> 00:03:26,319
the vacuum of space that bottle was