1
00:00:14,310 --> 00:00:12,230
flight day 10 moving day on board the

2
00:00:15,829 --> 00:00:14,320
international space station with the

3
00:00:18,470 --> 00:00:15,839
help of the astronauts from space

4
00:00:21,269 --> 00:00:18,480
shuttle discovery almost all of the work

5
00:00:23,590 --> 00:00:21,279
that is needed to unpack and to outfit

6
00:00:25,349 --> 00:00:23,600
the permanent multi-purpose module the

7
00:00:28,550 --> 00:00:25,359
newest module at the international space

8
00:00:30,470 --> 00:00:28,560
station was completed on flight day 10.

9
00:00:32,870 --> 00:00:30,480
the crew members had to concentrate

10
00:00:35,190 --> 00:00:32,880
their efforts to unpack the remaining

11
00:00:37,670 --> 00:00:35,200
articles in this newest module on the

12
00:00:40,150 --> 00:00:37,680
international space station as well as

13
00:00:42,470 --> 00:00:40,160

to disassemble a lot of the racks that

14
00:00:45,510 --> 00:00:42,480
had held some of that cargo and they

15
00:00:47,670 --> 00:00:45,520
take those pieces out of the pmm and

16
00:00:49,270 --> 00:00:47,680
move them over to the japanese cargo

17
00:00:51,510 --> 00:00:49,280
module that's currently docked to the

18
00:00:54,310 --> 00:00:51,520
space station's harmony module

19
00:00:57,110 --> 00:00:54,320
konatori 2 is due to be unburst from the

20
00:00:59,270 --> 00:00:57,120
international space station march 28 and

21
00:01:01,510 --> 00:00:59,280
the international space station program

22
00:01:05,189 --> 00:01:01,520
wanted to get as much of that packing

23
00:01:08,630 --> 00:01:05,199
material out of the pmm and onto the

24
00:01:10,870 --> 00:01:08,640
htv-2 before it leaves so that packing

25
00:01:13,030 --> 00:01:10,880
material can be removed from the space

26
00:01:15,350 --> 00:01:13,040
station and create more room for the

27
00:01:16,950 --> 00:01:15,360
crew members to work the shuttle crew

28
00:01:18,710 --> 00:01:16,960
members worked mostly under the

29
00:01:21,429 --> 00:01:18,720
direction of flight engineer katie

30
00:01:24,310 --> 00:01:21,439
coleman who had at her disposal large

31
00:01:27,670 --> 00:01:24,320
chunks of time to either unstow products

32
00:01:29,910 --> 00:01:27,680
or to do structural work inside the pmm

33
00:01:31,749 --> 00:01:29,920
and the crew members completed virtually

34
00:01:34,469 --> 00:01:31,759
all of the work that was on the agenda

35
00:01:36,550 --> 00:01:34,479
for that today the second of the two

36
00:01:38,230 --> 00:01:36,560
extension days that were added to

37
00:01:40,230 --> 00:01:38,240
discovery's doc time at the

38
00:01:42,230 --> 00:01:40,240

international space station in order to

39
00:01:44,069 --> 00:01:42,240
allow that work to be completed

40
00:01:45,590 --> 00:01:44,079
but there was maintenance work done on

41
00:01:47,749 --> 00:01:45,600
elements of the

42
00:01:49,830 --> 00:01:47,759
environmental control system in the u.s

43
00:01:51,990 --> 00:01:49,840
section of the station as well

44
00:01:54,069 --> 00:01:52,000
early in the day mission specialist mike

45
00:01:56,310 --> 00:01:54,079
barrett assisted by flight engineer

46
00:01:59,030 --> 00:01:56,320
paolo nespoli went to work on the carbon

47
00:02:01,910 --> 00:01:59,040
dioxide removal assembly located in the

48
00:02:03,910 --> 00:02:01,920
destiny laboratory module that system

49
00:02:05,830 --> 00:02:03,920
which is one of the systems on board

50
00:02:07,749 --> 00:02:05,840
that removes carbon dioxide from the

51
00:02:09,749 --> 00:02:07,759
station environment suffered a short

52
00:02:11,430 --> 00:02:09,759
circuit in one of its heater beds

53
00:02:14,150 --> 00:02:11,440
earlier in the mission

54
00:02:17,030 --> 00:02:14,160
and today barrett went to work to

55
00:02:19,350 --> 00:02:17,040
find the short circuit and to isolate it

56
00:02:21,589 --> 00:02:19,360
so that that system could be restarted

57
00:02:24,309 --> 00:02:21,599
it was an operation almost exactly the

58
00:02:25,910 --> 00:02:24,319
same as one he did when he was a member

59
00:02:28,630 --> 00:02:25,920
of the international space station's

60
00:02:30,710 --> 00:02:28,640
crew during expedition 20.

61
00:02:32,710 --> 00:02:30,720
station commander scott kelly also had

62
00:02:35,270 --> 00:02:32,720
some maintenance work to do he was in

63
00:02:37,990 --> 00:02:35,280

the tranquility module where the oxygen

64
00:02:41,270 --> 00:02:38,000
generation system is located that system

65
00:02:43,589 --> 00:02:41,280
required work done in order to install a

66
00:02:46,630 --> 00:02:43,599
filter kit which is introducing some

67
00:02:49,670 --> 00:02:46,640
chemical materials to treat the water

68
00:02:51,509 --> 00:02:49,680
that flows into the ogs the ogs

69
00:02:53,830 --> 00:02:51,519
separates water into its chemical

70
00:02:55,830 --> 00:02:53,840
components of oxygen and hydrogen

71
00:02:58,390 --> 00:02:55,840
creating oxygen for the crew members to

72
00:03:00,949 --> 00:02:58,400
breathe the installation of that kit is

73
00:03:03,830 --> 00:03:00,959
designed to improve the chemical balance

74
00:03:06,070 --> 00:03:03,840
the ph of that water so that when the

75
00:03:08,309 --> 00:03:06,080
system operates in the future it will

76
00:03:09,350 --> 00:03:08,319
not create particulates that will gum up

77
00:03:11,350 --> 00:03:09,360
the works

78
00:03:14,070 --> 00:03:11,360
that work will be completed on flight

79
00:03:16,949 --> 00:03:14,080
day 11 and all of the crew members get

80
00:03:18,470 --> 00:03:16,959
together for final transfers before they

81
00:03:20,229 --> 00:03:18,480
close the hatches between the

82
00:03:23,110 --> 00:03:20,239
international space station and space