1
00:00:05,510 --> 00:00:02,950
earlier this morning the operation to

2
00:00:07,590 --> 00:00:05,520
extract beam from dragon's trunk

3
00:00:09,509 --> 00:00:07,600
where dragon commonly carries

4
00:00:11,430 --> 00:00:09,519
unpressurized cargo different payloads

5
00:00:14,070 --> 00:00:11,440
attached to the outside of the

6
00:00:15,190 --> 00:00:14,080
international space station took place

7
00:00:17,750 --> 00:00:15,200
this

8
00:00:20,630 --> 00:00:17,760
extraction beginning at right around 1

9
00:00:23,509 --> 00:00:20,640
20 a.m central time 2 20 a.m eastern

10
00:00:26,230 --> 00:00:23,519
time with the canadarm2 grappling on to

11
00:00:28,790 --> 00:00:26,240
the bigelow expandable activity module

12
00:00:30,550 --> 00:00:28,800
beginning to slowly extract it

13
00:00:32,709 --> 00:00:30,560

this was done

14
00:00:35,750 --> 00:00:32,719
first by

15
00:00:38,630 --> 00:00:35,760
releasing two sets of latches that were

16
00:00:41,350 --> 00:00:38,640
holding beam in place to dragon's trunk

17
00:00:43,190 --> 00:00:41,360
first set released the arm then grappled

18
00:00:45,750 --> 00:00:43,200
then the seconds that released and then

19
00:00:47,670 --> 00:00:45,760
the arm slowly backed it away and then

20
00:00:49,750 --> 00:00:47,680
over the last several hours robotics

21
00:00:51,910 --> 00:00:49,760
controllers down here on the ground

22
00:00:53,910 --> 00:00:51,920
laura lucier the robo inside mission

23
00:00:56,709 --> 00:00:53,920
control houston today have been

24
00:00:58,470 --> 00:00:56,719
maneuvering the arm into its eventual

25
00:01:00,389 --> 00:00:58,480
install point

26
00:01:03,189 --> 00:01:00,399
but again all of this kicking off

27
00:01:05,910 --> 00:01:03,199
earlier this morning the first latches

28
00:01:08,550 --> 00:01:05,920
or the second set of latches

29
00:01:12,230 --> 00:01:08,560
opening at 12 58 a.m central and then

30
00:01:14,870 --> 00:01:12,240
that extraction happening at 1 20 a.m

31
00:01:17,670 --> 00:01:14,880
and that brings us to where we are right

32
00:01:20,230 --> 00:01:17,680
now beam again just inches away from the

33
00:01:22,230 --> 00:01:20,240
aft port of the tranquility module where

34
00:01:23,590 --> 00:01:22,240
it is going to be attached for the next

35
00:01:25,590 --> 00:01:23,600
two years

36
00:01:27,990 --> 00:01:25,600
during that time crew members will enter

37
00:01:29,990 --> 00:01:28,000
beam periodically to take various

38
00:01:39,030 --> 00:01:30,000

measurements and monitor the performance

39
00:01:43,190 --> 00:01:40,550
this view that we'll see a couple of

40
00:01:45,670 --> 00:01:43,200
times this is the camera actually set up

41
00:01:48,230 --> 00:01:45,680
in uh on the inside of the international

42
00:01:49,990 --> 00:01:48,240
space station set up by crew member jeff

43
00:01:52,389 --> 00:01:50,000
williams this is what's known as the

44
00:01:54,950 --> 00:01:52,399
centerline birthing camera

45
00:01:57,670 --> 00:01:54,960
looking right out of the common berthing

46
00:01:59,670 --> 00:01:57,680
mechanism at the aft ports of that view

47
00:02:00,789 --> 00:01:59,680
straight into beam right now where you

48
00:02:02,069 --> 00:02:00,799
can see

49
00:02:04,389 --> 00:02:02,079
everything pretty

50
00:02:05,590 --> 00:02:04,399
lined up as beam again just a couple of

51
00:02:08,550 --> 00:02:05,600
inches away

52
00:02:09,749 --> 00:02:08,560
from the docking port where we should

53
00:02:29,350 --> 00:02:09,759
see

54
00:02:29,360 --> 00:02:32,070
but the

55
00:02:35,670 --> 00:02:34,630
expandable module once it's

56
00:02:37,750 --> 00:02:35,680
fully

57
00:02:40,869 --> 00:02:37,760
expanded will have roughly

58
00:02:43,030 --> 00:02:40,879
the same amount of cubic volume as a as

59
00:02:44,350 --> 00:02:43,040
a small bedroom it'll have a

60
00:02:46,949 --> 00:02:44,360
cubic volume of

61
00:02:49,430 --> 00:02:46,959
565 cubic feet

62
00:03:01,750 --> 00:02:49,440
weighing in at just a little over 3 100

63
00:03:07,350 --> 00:03:03,990

and that's complete and they're all 69

64
00:03:12,149 --> 00:03:09,190
we see the same go to press with step

65
00:03:16,149 --> 00:03:14,229
and so all the latches now cooperating

66
00:03:17,350 --> 00:03:16,159
continuing

67
00:03:18,470 --> 00:03:17,360
to

68
00:03:19,830 --> 00:03:18,480
drive in

69
00:03:26,789 --> 00:03:19,840
just

70
00:03:37,110 --> 00:03:28,470
moving down to step six

71
00:03:43,670 --> 00:03:40,309
and just now getting confirmation second

72
00:03:47,190 --> 00:03:43,680
stage capture has been completed and

73
00:03:50,949 --> 00:03:47,200
that coming at 4 36 a.m central time 5

74
00:03:53,830 --> 00:03:50,959
36 a.m eastern time while the station

75
00:03:57,190 --> 00:03:53,840
was about 255 statute miles over the

76
00:03:59,110 --> 00:03:57,200
southern pacific ocean

77
00:04:00,789 --> 00:03:59,120
i will take one last look at beam you

78
00:04:03,830 --> 00:04:00,799
can see the

79
00:04:04,949 --> 00:04:03,840
station's robotic arm now backing away

80
00:04:07,509 --> 00:04:04,959
as it

81
00:04:09,670 --> 00:04:07,519
successfully transferred the expandable

82
00:04:12,309 --> 00:04:09,680
module from the trunk of the dragon

83
00:04:14,149 --> 00:04:12,319
spacecraft over to its new home on the

84
00:04:15,670 --> 00:04:14,159
aft port of the tranquility module where

85
00:04:17,670 --> 00:04:15,680
it's going to be attached for the next

86
00:04:20,390 --> 00:04:17,680
two years for a very important

87
00:04:22,950 --> 00:04:20,400
technology demonstration the first human

88
00:04:24,870 --> 00:04:22,960

rated expandable structure to be flown