



1
00:00:02,800 --> 00:00:07,590
this is mission control houston

2
00:00:13,030 --> 00:00:09,669
the uh spacex team as well as the team

3
00:00:14,470 --> 00:00:13,040
here in houston reporting that

4
00:00:18,150 --> 00:00:14,480
telemetry is showing that the strobe

5
00:00:21,029 --> 00:00:18,160
light has been commanded on by the crew

6
00:00:23,029 --> 00:00:21,039
so once again the crew has successfully

7
00:00:25,910 --> 00:00:23,039
sent a command to dragon to turn on its

8
00:00:27,269 --> 00:00:25,920
strobe light this tests things for

9
00:00:29,189 --> 00:00:27,279
tomorrow's activities to make sure that

10
00:00:33,110 --> 00:00:29,199
the crew can command the spacecraft from

11
00:00:33,120 --> 00:00:37,510
and the team is confirming that

12
00:00:46,869 --> 00:00:40,229
that is the dragon spacecraft there and

13
00:00:50,310 --> 00:00:49,190

as the team here in houston continues to

14

00:00:52,069 --> 00:00:50,320

coordinate and talk with their

15

00:00:54,549 --> 00:00:52,079

counterparts in hawthorne california at

16

00:00:58,389 --> 00:00:54,559

the spacex headquarters

17

00:01:00,470 --> 00:00:58,399

they have updated a couple of our times

18

00:01:05,030 --> 00:01:00,480

dragon will cross directly underneath

19

00:01:09,590 --> 00:01:08,070

the dha burn as it is called which is

20

00:01:11,590 --> 00:01:09,600

another one of these height adjustment

21

00:01:13,590 --> 00:01:11,600

burns

22

00:01:15,830 --> 00:01:13,600

that will be conducted in a little more

23

00:01:26,950 --> 00:01:15,840

than 37 minutes and that will

24

00:01:31,030 --> 00:01:29,429

live view there of uh the spacex flight

25

00:01:33,910 --> 00:01:31,040

control room in hawthorne california

26
00:01:36,469 --> 00:01:33,920
that team they're continuing to monitor

27
00:01:40,069 --> 00:01:36,479
dragon as it flies in the neighborhood

28
00:01:43,990 --> 00:01:42,149
here's some animation that our group

29
00:01:45,749 --> 00:01:44,000
here in houston put together of what it

30
00:01:46,870 --> 00:01:45,759
will look like from onboard the station

31
00:01:49,030 --> 00:01:46,880
you can see

32
00:01:52,230 --> 00:01:49,040
dragon performing this ha-3 burn the

33
00:01:53,670 --> 00:01:52,240
height adjustment burn that will

34
00:01:55,350 --> 00:01:53,680
bring it in toward the international

35
00:01:57,030 --> 00:01:55,360
space station it will then perform a

36
00:01:59,429 --> 00:01:57,040
series of

37
00:02:01,270 --> 00:01:59,439
retreat and hold demonstration maneuvers

38
00:02:03,590 --> 00:02:01,280

backing away from the station restarting

39

00:02:05,749 --> 00:02:03,600

its approach and then finally holding at

40

00:02:07,910 --> 00:02:05,759

a certain position this will be a series

41

00:02:10,389 --> 00:02:07,920

of ground commands sent from spacex as

42

00:02:12,790 --> 00:02:10,399

well as the hold and retreat commands

43

00:02:15,430 --> 00:02:12,800

sent by the space station crew this will

44

00:02:17,350 --> 00:02:15,440

prove that dragon can perform an abort

45

00:02:19,030 --> 00:02:17,360

if necessary

46

00:02:21,589 --> 00:02:19,040

once that takes place dragon will be

47

00:02:23,990 --> 00:02:21,599

cleared to move on up to

48

00:02:26,869 --> 00:02:24,000

about 30 meters away from the station

49

00:02:28,470 --> 00:02:26,879

which it will hold there as well for a

50

00:02:30,470 --> 00:02:28,480

period of time

51
00:02:33,110 --> 00:02:30,480
at that point the teams will perform

52
00:02:35,190 --> 00:02:33,120
another go no go for dragon to continue

53
00:02:38,390 --> 00:02:35,200
to move up toward the station

54
00:02:39,350 --> 00:02:38,400
to a point about 10 meters away about 30

55
00:02:40,790 --> 00:02:39,360
feet away

56
00:02:43,030 --> 00:02:40,800
that puts it close enough for the

57
00:02:46,550 --> 00:02:43,040
station's arm to reach out and grab onto

58
00:02:49,910 --> 00:02:48,070
this is the actual flight path the

59
00:02:51,670 --> 00:02:49,920
dragon will take this was extrapolated

60
00:02:53,830 --> 00:02:51,680
out from data that mission control

61
00:02:55,830 --> 00:02:53,840
houston had but this is what the crew

62
00:02:59,110 --> 00:02:55,840
will be seeing from inside the cupola

63
00:03:02,070 --> 00:02:59,120

as they reach out with the station's arm

64

00:03:04,470 --> 00:03:02,080

arm will be controlled by don pettit

65

00:03:06,949 --> 00:03:04,480

he will be inside the cupola there

66

00:03:08,550 --> 00:03:06,959

at the robotics workstation that is

67

00:03:11,110 --> 00:03:08,560

located there in that portion of the

68

00:03:13,830 --> 00:03:11,120

station and with the help of andre

69

00:03:15,270 --> 00:03:13,840

kuipers he will reach out and grapple on

70

00:03:17,350 --> 00:03:15,280

the dragon

71

00:03:19,350 --> 00:03:17,360

and once everything gets verified and

72

00:03:23,190 --> 00:03:19,360

everything is secured

73

00:03:26,070 --> 00:03:23,200

dragon will be steered back around

74

00:03:29,190 --> 00:03:26,080

once again don pettit uh doing this and

75

00:03:31,509 --> 00:03:29,200

the crew will then move dragon around

76

00:03:33,750 --> 00:03:31,519

and prepare to install it

77

00:03:35,670 --> 00:03:33,760

on the bottom side or the earth-facing

78

00:03:36,949 --> 00:03:35,680

side of the harmony node this is the

79

00:03:40,149 --> 00:03:36,959

same spot