



1
00:00:06,309 --> 00:00:04,550
the dragon itself is moving to a point

2
00:00:07,829 --> 00:00:06,319
as you can see in this downlink view

3
00:00:10,390 --> 00:00:07,839
from external cameras on the

4
00:00:13,110 --> 00:00:10,400
international space station to a point

5
00:00:15,110 --> 00:00:13,120
some 350 meters directly below the

6
00:00:17,349 --> 00:00:15,120
international space station

7
00:00:20,070 --> 00:00:17,359
along what is called the radial vector

8
00:00:22,310 --> 00:00:20,080
or the \bar{r} that's the imaginary line

9
00:00:28,630 --> 00:00:22,320
drawn between the space station and the

10
00:00:33,110 --> 00:00:30,470
dragon now has completed its yaw

11
00:00:35,750 --> 00:00:33,120
maneuver we're expecting it uh to depart

12
00:00:37,430 --> 00:00:35,760
the 350 meter hold point

13
00:00:39,990 --> 00:00:37,440

the next uh

14

00:00:42,470 --> 00:00:40,000
station keeping point would come at 250

15

00:00:45,430 --> 00:00:42,480
meters uh it's about an eight minute

16

00:00:47,270 --> 00:00:45,440
transit from 350 meters out to 250

17

00:00:50,229 --> 00:00:47,280
meters out and again we'll keep you

18

00:00:53,029 --> 00:00:50,239
posted as the spacex mission

19

00:00:56,150 --> 00:00:53,039
ballistics team in hawthorne california

20

00:00:58,389 --> 00:00:56,160
continues uh to compute uh

21

00:01:00,950 --> 00:00:58,399
how much time would be required at the

22

00:01:03,110 --> 00:01:00,960
various stopping points the station

23

00:01:05,590 --> 00:01:03,120
keeping points to see if we can make up

24

00:01:06,469 --> 00:01:05,600
time to approach the original grapple

25

00:01:25,910 --> 00:01:06,479
time

26
00:01:31,830 --> 00:01:29,590
flying 250 miles over the south atlantic

27
00:01:33,910 --> 00:01:31,840
we just had a great view of the dragon

28
00:01:35,990 --> 00:01:33,920
cargo craft before

29
00:01:37,670 --> 00:01:36,000
losing temporarily our downlink

30
00:01:40,789 --> 00:01:37,680
television capability from the

31
00:01:45,590 --> 00:01:40,799
international space station dragon is

32
00:01:47,749 --> 00:01:45,600
approaching the 30 meter arrival point

33
00:01:48,469 --> 00:01:47,759
should get there about 20 minutes from

34
00:01:50,149 --> 00:01:48,479
now

35
00:01:51,670 --> 00:01:50,159
at which time it'll put the brakes on

36
00:01:53,990 --> 00:01:51,680
one final time

37
00:01:56,550 --> 00:01:54,000
and permit the flight control teams here

38
00:01:59,030 --> 00:01:56,560

in houston and at spacex's control

39

00:02:01,270 --> 00:01:59,040

center in hawthorne california to take a

40

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

final look-see at all of dragon's

41

00:02:10,790 --> 00:02:03,600

systems before the final go is given to

42

00:02:17,589 --> 00:02:14,710

dragon continues uh a flawless approach

43

00:02:19,350 --> 00:02:17,599

to its final station keeping point of 30

44

00:02:21,270 --> 00:02:19,360

meters should arrive there in about

45

00:02:23,350 --> 00:02:21,280

eight minutes from now

46

00:02:25,110 --> 00:02:23,360

the distance between dragon and the

47

00:02:28,309 --> 00:02:25,120

international space station currently

48

00:02:31,750 --> 00:02:28,319

calculated at about 63 meters

49

00:02:34,790 --> 00:02:31,760

as uh the station and the spacex cargo

50

00:02:37,990 --> 00:02:34,800

craft approach the southwest coast of

51
00:02:42,869 --> 00:02:39,589
dragon and the international space

52
00:02:45,830 --> 00:02:42,879
station now just 52 meters apart

53
00:02:47,990 --> 00:02:45,840
approaching the coast of namibia moving

54
00:02:50,710 --> 00:02:48,000
from southwest to northeast

55
00:02:52,630 --> 00:02:50,720
in an orbit inclined 51.6 degrees to

56
00:02:54,630 --> 00:02:52,640
either side of the equator all of

57
00:02:57,190 --> 00:02:54,640
dragon's systems continue to operate

58
00:02:59,110 --> 00:02:57,200
perfectly approaching the 30 meter

59
00:03:03,430 --> 00:02:59,120
station keeping point some five minutes

60
00:03:08,149 --> 00:03:05,670
dragon now 41 meters away from the

61
00:03:11,030 --> 00:03:08,159
international space station

62
00:03:19,509 --> 00:03:11,040
at 40 meters i will call the vehicle on

63
00:03:24,789 --> 00:03:22,070

dragon will be parked at the

64

00:03:27,190 --> 00:03:24,799

earth-facing port of the harmony module

65

00:03:30,229 --> 00:03:27,200

in a parking space right next to the

66

00:03:32,070 --> 00:03:30,239

orbital atk cygnus cargo craft that

67

00:03:53,990 --> 00:03:32,080

arrived at the station back on march

68

00:03:58,789 --> 00:03:56,869

the dragon cargo craft launched on

69

00:04:00,949 --> 00:03:58,799

friday afternoon from the cape canaveral

70

00:04:06,470 --> 00:04:00,959

air force station in florida

71

00:04:13,110 --> 00:04:10,309

entered its preliminary orbit

72

00:04:15,910 --> 00:04:13,120

about 10 minutes after launch deployed

73

00:04:23,749 --> 00:04:15,920

its solar arrays and began the trek

74

00:04:23,759 --> 00:04:26,790

standing by

75

00:04:30,790 --> 00:04:29,030

spacex spacex's go for capture the

76

00:04:53,830 --> 00:04:30,800

flight control team here is go for

77

00:04:53,840 --> 00:04:57,670

capture confirmed

78

00:05:05,350 --> 00:05:01,430

at 6 23 am central time over the pacific

79

00:05:09,670 --> 00:05:07,830

a cornucopia of cargo craft now at the