



1
00:00:06,789 --> 00:00:03,990
about an hour and a half ago as the

2
00:00:09,750 --> 00:00:06,799
htv-6 arrived at what is known as the

3
00:00:11,669 --> 00:00:09,760
radial vector or r bar about a thousand

4
00:00:13,589 --> 00:00:11,679
meters below the international space

5
00:00:15,749 --> 00:00:13,599
station that's the imaginary line drawn

6
00:00:18,070 --> 00:00:15,759
between the station and the earth this

7
00:00:20,950 --> 00:00:18,080
spectacular view of a series of thruster

8
00:00:23,750 --> 00:00:20,960
firings on the htv-6 as it began to inch

9
00:00:25,990 --> 00:00:23,760
its way up the radial vector towards the

10
00:00:28,470 --> 00:00:26,000
international space station was seen by

11
00:00:31,349 --> 00:00:28,480
external cameras on the international

12
00:00:34,709 --> 00:00:31,359
outpost tamar pesquet and the cupola

13
00:00:37,510 --> 00:00:34,719

described the view of the htv as like a

14

00:00:41,350 --> 00:00:37,520

golden treasure box echoing the words

15

00:00:42,630 --> 00:00:41,360

uttered by japanese astronaut kamiya yui

16

00:00:45,270 --> 00:00:42,640

that

17

00:00:52,310 --> 00:00:45,280

he was struck by during the arrival of

18

00:00:58,630 --> 00:00:55,750

the htv uh so far executing a textbook

19

00:01:00,229 --> 00:00:58,640

rendezvous for an expected capture

20

00:01:02,310 --> 00:01:00,239

by

21

00:01:04,710 --> 00:01:02,320

nasa astronaut shane kimbrough the

22

00:01:07,350 --> 00:01:04,720

expedition 50 commander and thomas

23

00:01:09,590 --> 00:01:07,360

pesquet of the european space agency who

24

00:01:11,350 --> 00:01:09,600

are in the cupola of the international

25

00:01:12,469 --> 00:01:11,360

space station at the robotics

26
00:01:15,350 --> 00:01:12,479
workstation

27
00:01:18,070 --> 00:01:15,360
ready to use uh the canadarm2 robotic

28
00:01:20,390 --> 00:01:18,080
arm to reach out and grapple a grapple

29
00:01:22,630 --> 00:01:20,400
fixture on the htv-6

30
00:01:24,230 --> 00:01:22,640
as it moves to within striking distance

31
00:01:27,270 --> 00:01:24,240
of its grapple

32
00:01:29,030 --> 00:01:27,280
by kimbrough and pesquet the original

33
00:01:31,109 --> 00:01:29,040
grapple time was scheduled about an hour

34
00:01:34,870 --> 00:01:31,119
and a half from now at 5 00 a.m central

35
00:01:37,030 --> 00:01:34,880
time 6 a.m eastern time however the htv

36
00:01:39,270 --> 00:01:37,040
6 with all of its rendezvous maneuvers

37
00:01:42,469 --> 00:01:39,280
having gone by the book so far

38
00:01:44,630 --> 00:01:42,479

departed the 250 meter hold point about

39

00:01:45,749 --> 00:01:44,640

24 minutes ahead of schedule with

40

00:01:48,310 --> 00:01:45,759

everything

41

00:01:50,550 --> 00:01:48,320

proceeding actually ahead of schedule

42

00:01:52,310 --> 00:01:50,560

not only on track but ahead of schedule

43

00:01:54,550 --> 00:01:52,320

and so it is possible

44

00:01:57,190 --> 00:01:54,560

that the grapple time could be advanced

45

00:01:59,510 --> 00:01:57,200

uh the only constraint is uh for the

46

00:02:03,030 --> 00:01:59,520

earliest go for capture time which would

47

00:02:05,350 --> 00:02:03,040

be 4 28 a.m central time 5 28 a.m

48

00:02:06,469 --> 00:02:05,360

eastern time and that is based on

49

00:02:08,309 --> 00:02:06,479

lighting

50

00:02:10,469 --> 00:02:08,319

that would be the earliest gopher

51
00:02:17,510 --> 00:02:10,479
capture that would occur just after

52
00:02:21,030 --> 00:02:19,190
at houston station they're in step three

53
00:02:24,869 --> 00:02:21,040
decimal two the crew is ready for the

54
00:02:24,879 --> 00:02:31,509
houston copies

55
00:02:35,910 --> 00:02:33,670
in the cupola of the international space

56
00:02:38,470 --> 00:02:35,920
station european space agency flight

57
00:02:39,830 --> 00:02:38,480
engineer thomas pesquet

58
00:02:41,830 --> 00:02:39,840
indicating that

59
00:02:44,070 --> 00:02:41,840
he and shane kimbrough have completed

60
00:02:59,750 --> 00:02:44,080
their review of procedures for the

61
00:03:05,350 --> 00:03:01,589
this is mission control houston the

62
00:03:07,350 --> 00:03:05,360
htv-6 a continuing a very methodical

63
00:03:10,229 --> 00:03:07,360

approach toward the capture point and

64

00:03:14,390 --> 00:03:10,239

now just about 17 meters away

65

00:03:20,470 --> 00:03:16,550

this view now from the end effector

66

00:03:22,309 --> 00:03:20,480

camera on the canadarm2 robotic arm

67

00:03:30,070 --> 00:03:22,319

looking dead straight on at the grapple

68

00:03:34,070 --> 00:03:32,630

and htv6 now holding at its capture

69

00:03:35,990 --> 00:03:34,080

point

70

00:03:37,509 --> 00:03:36,000

there will be two sets of calls later on

71

00:03:40,470 --> 00:03:37,519

this morning during that installation

72

00:03:43,270 --> 00:03:40,480

procedure first the first stage capture

73

00:03:45,830 --> 00:03:43,280

followed by second stage capture that

74

00:03:46,710 --> 00:03:45,840

will mark the official uh

75

00:03:49,350 --> 00:03:46,720

point

76

00:03:51,589 --> 00:03:49,360

for the htv hard mated then

77

00:04:04,630 --> 00:03:51,599

to the nader port of the harmony module

78

00:04:04,640 --> 00:04:08,309

and capture is confirmed

79

00:04:15,030 --> 00:04:11,270

capture confirmed at 4 37 a.m central

80

00:04:16,710 --> 00:04:15,040

time 5 37 a.m eastern time