1
00:00:24,950 --> 00:00:22,950
the station currently flying over

2
00:00:27,109 --> 00:00:24,960
eastern china beginning a pass from

3
00:00:28,230 --> 00:00:27,119
northwest to southeast that will carry

4
00:00:31,509 --> 00:00:28,240
the vehicle

5
00:00:33,750 --> 00:00:31,519
over taiwan the philippine sea

6
00:00:35,190 --> 00:00:33,760
and the east coast of new guinea a short

7
00:00:38,229 --> 00:00:35,200
time from now

8
00:00:39,270 --> 00:00:38,239
as you can see uh the htv is moving ever

9
00:00:42,389 --> 00:00:39,280
closer

10
00:00:44,389 --> 00:00:42,399
to the nader or earth-facing port of the

11
00:00:45,750 --> 00:00:44,399
harmony module of the international

12
00:00:48,310 --> 00:00:45,760
space station

13
00:00:50,630 --> 00:00:48,320

for its final installation

14
00:00:52,310 --> 00:00:50,640
as we mentioned there will be a series

15
00:00:54,630 --> 00:00:52,320
of sensors called ready to latch

16
00:00:56,389 --> 00:00:54,640
indicators or rtls

17
00:00:58,869 --> 00:00:56,399
that will be uh

18
00:00:59,830 --> 00:00:58,879
illuminated at the point at which uh the

19
00:01:01,830 --> 00:00:59,840
two uh

20
00:01:05,189 --> 00:01:01,840
birthing surfaces at the forward end of

21
00:01:06,870 --> 00:01:05,199
the htv and on the nadir or earth-facing

22
00:01:09,670 --> 00:01:06,880
side of the harmony module come into

23
00:01:11,190 --> 00:01:09,680
contact with one another and that will

24
00:01:13,429 --> 00:01:11,200
be the precursor

25
00:01:16,070 --> 00:01:13,439
to the actual bolting of the vehicle in

26
00:01:18,950 --> 00:01:16,080
place as the mechanical systems officer

27
00:01:20,390 --> 00:01:18,960
or the oso as the call sign here in

28
00:01:22,310 --> 00:01:20,400
mission control

29
00:01:24,469 --> 00:01:22,320
is known for

30
00:01:26,710 --> 00:01:24,479
operations support officer or the

31
00:01:30,230 --> 00:01:26,720
mechanical systems officer will send

32
00:01:33,109 --> 00:01:30,240
commands to begin the bolting of the htv

33
00:01:35,910 --> 00:01:33,119
into place uh 16 bolts will be driven

34
00:01:38,469 --> 00:01:35,920
four gangs or four bolts apiece and in

35
00:01:40,710 --> 00:01:38,479
various stages first stage capture then

36
00:01:43,030 --> 00:01:40,720
second stage capture and it is at second

37
00:01:46,149 --> 00:01:43,040
stage capture that we can officially

38
00:01:48,230 --> 00:01:46,159

declared htv hard mated to the

39
00:02:14,470 --> 00:01:48,240
international space station for a stay

40
00:02:18,949 --> 00:02:16,630
again you're looking at various views

41
00:02:20,150 --> 00:02:18,959
this from a centerline birthing camera

42
00:02:23,670 --> 00:02:20,160
system

43
00:02:26,550 --> 00:02:23,680
that is measuring the alignment of the

44
00:04:33,270 --> 00:02:26,560
forward end of the htv cargo craft to

45
00:04:37,749 --> 00:04:35,590
flying over the south pacific about to

46
00:04:40,310 --> 00:04:37,759
begin the southwestern northeasterly

47
00:04:44,230 --> 00:04:40,320
track that will carry the international

48
00:04:47,350 --> 00:04:44,240
space station over the coast of chile

49
00:04:50,710 --> 00:04:47,360
it has been uh some three hours since uh

50
00:04:53,189 --> 00:04:50,720
the htv-6 was captured by the station's

51
00:04:55,510 --> 00:04:53,199
robotic arm operated by shane kimbrough

52
00:04:56,950 --> 00:04:55,520
and thomas pesquet of the expedition 50

53
00:04:59,430 --> 00:04:56,960
crew

54
00:05:01,990 --> 00:04:59,440
and now we're just minutes away from

55
00:05:04,230 --> 00:05:02,000
bolting the htv in place

56
00:05:06,469 --> 00:05:04,240
on the nader or earth-facing port of the

57
00:05:09,189 --> 00:05:06,479
harmony module of the international

58
00:05:28,390 --> 00:05:09,199
space station where it will reside for

59
00:05:31,670 --> 00:05:29,990
this is mission control houston the

60
00:05:33,830 --> 00:05:31,680
mechanical systems officer here in

61
00:05:37,110 --> 00:05:33,840
mission control has confirmed

62
00:05:38,790 --> 00:05:37,120
a good second stage capture

63
00:05:41,909 --> 00:05:38,800

with the bolting uh

64
00:05:45,220 --> 00:05:41,919
continuing uh the htv is now