



1  
00:00:26,230 --> 00:00:09,990  
everything on track release has been

2  
00:00:26,240 --> 00:01:02,150  
snares are open

3  
00:01:02,160 --> 00:01:20,310  
starting to see a little bit of motion

4  
00:01:25,109 --> 00:01:22,149  
now regaining some video communication

5  
00:01:26,310 --> 00:01:25,119  
we can now see the htv clearly separated

6  
00:01:28,630 --> 00:01:26,320  
free drifting away from the

7  
00:01:30,950 --> 00:01:28,640  
international space station now as the

8  
00:01:32,390 --> 00:01:30,960  
station flies 260 statute miles still

9  
00:01:50,310 --> 00:01:32,400  
over the south pacific ocean heading

10  
00:01:54,310 --> 00:01:52,069  
htv still looking good

11  
00:01:55,830 --> 00:01:54,320  
that first burn about to happen in just

12  
00:01:57,830 --> 00:01:55,840  
about a minute and a half all the

13  
00:02:00,469 --> 00:01:57,840

commands have been queued up and we'll

14

00:02:16,790 --> 00:02:00,479

start to see the htv slowly drift away

15

00:02:22,790 --> 00:02:19,990

station houston on 2 for htv idm1

16

00:02:28,150 --> 00:02:22,800

maneuver is loaded monitor per step 2

17

00:02:28,160 --> 00:02:32,070

we were there thanks jessica

18

00:02:36,309 --> 00:02:34,390

jessica mir confirming the next burn

19

00:02:37,589 --> 00:02:36,319

you'll start to see the htv slowly move

20

00:02:39,750 --> 00:02:37,599

a little bit faster away from the

21

00:02:41,030 --> 00:02:39,760

station to shane kimbrough and to mop

22

00:02:42,630 --> 00:02:41,040

escape aboard the international space

23

00:02:48,150 --> 00:02:42,640

station that command being sent right

24

00:02:52,550 --> 00:02:50,229

confirmation that that burn is complete

25

00:02:54,070 --> 00:02:52,560

now we'll start seeing the htv uh slowly

26

00:02:55,910 --> 00:02:54,080

start drifting away from the

27

00:02:59,190 --> 00:02:55,920

international space station outside the

28

00:03:00,070 --> 00:02:59,200

keep out sphere 200 meters away that's

29

00:03:01,350 --> 00:03:00,080

when it's

30

00:03:02,869 --> 00:03:01,360

declared safely away from the

31

00:03:04,550 --> 00:03:02,879

international space station and out of

32

00:03:25,910 --> 00:03:04,560

communications in case an abort

33

00:03:25,920 --> 00:03:32,470

station houston on 2 for htv

34

00:03:37,350 --> 00:03:34,550

go ahead jessica

35

00:03:43,910 --> 00:03:37,360

idm one maneuver complete verify per

36

00:03:43,920 --> 00:03:49,030

we agree verified step three

37

00:03:49,040 --> 00:03:59,750

copy

38

00:04:03,429 --> 00:04:01,910

jessica mir uh capcom here in mission

39

00:04:04,949 --> 00:04:03,439

control houston confirming with shane

40

00:04:07,990 --> 00:04:04,959

kimbrough aboard the international space

41

00:04:10,149 --> 00:04:08,000

station next to tomah pesquet

42

00:04:11,670 --> 00:04:10,159

uh confirming that everything is going

43

00:04:13,509 --> 00:04:11,680

according to plan that first burn is

44

00:04:15,750 --> 00:04:13,519

complete the next burn

45

00:04:28,790 --> 00:04:15,760

about to happen in just about eight and

46

00:04:33,830 --> 00:04:31,430

a good view of htv uh carrying one and a

47

00:04:35,350 --> 00:04:33,840

half tons of cargo including some of the

48

00:04:37,030 --> 00:04:35,360

nickel hydrogen batteries that have been

49

00:04:39,430 --> 00:04:37,040

removed and replaced with some of the

50

00:04:41,909 --> 00:04:39,440

lithium ion batteries way more efficient

51  
00:04:44,550 --> 00:04:41,919  
that were taken up on htv

52  
00:04:48,070 --> 00:04:44,560  
when it launched in december 9th of last

53  
00:04:55,189 --> 00:04:50,230  
the first burn is complete the next burn

54  
00:04:55,199 --> 00:05:00,230  
htv uh

55  
00:05:05,830 --> 00:05:02,230  
concluding its mission again its release

56  
00:05:09,270 --> 00:05:05,840  
time was 9 46 a.m central time today

57  
00:05:14,870 --> 00:05:09,280  
flying 260 statue miles over the south

58  
00:05:18,790 --> 00:05:16,870  
for the remainder of its mission after

59  
00:05:20,950 --> 00:05:18,800  
this it will conduct one more burn to

60  
00:05:22,310 --> 00:05:20,960  
get out of the keep out sphere

61  
00:05:25,590 --> 00:05:22,320  
then it will start

62  
00:05:28,469 --> 00:05:25,600  
maneuvering to position itself about 12

63  
00:05:30,790 --> 00:05:28,479

miles below the station and 23 miles

64

00:05:33,749 --> 00:05:30,800

ahead of the station to conduct the kite

65

00:05:36,390 --> 00:05:33,759

experiment that will test an end mass

66

00:05:38,710 --> 00:05:36,400

and some electrodynamic currents

67

00:05:41,270 --> 00:05:38,720

kind of looks like a kite like the htv

68

00:05:42,950 --> 00:05:41,280

would be flying a kite in space uh it'll

69

00:05:44,790 --> 00:05:42,960

conduct that for about seven days right

70

00:05:47,270 --> 00:05:44,800

before de-orbiting concluding its

71

00:05:48,950 --> 00:05:47,280

mission uh burning up over the uh

72

00:05:51,430 --> 00:05:48,960

pacific ocean on