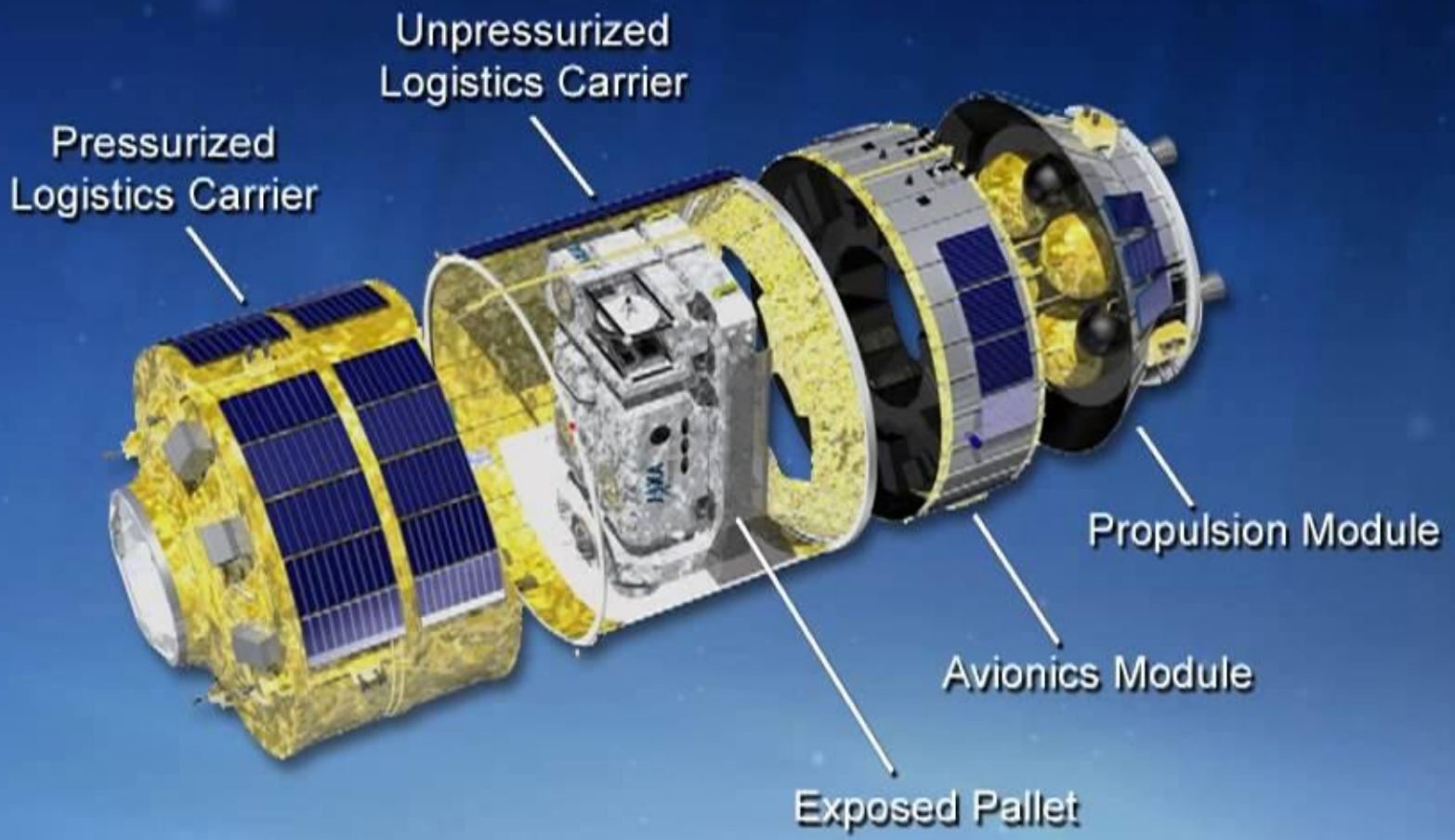
H-II Transfer Vehicle (HTV)



1
00:00:19,269 --> 00:00:17,029
good morning and welcome to mission

2
00:00:21,189 --> 00:00:19,279
control houston and space station live

3
00:00:23,750 --> 00:00:21,199
it's another day of progress unpacking

4
00:00:26,230 --> 00:00:23,760
htv preparations science experiments and

5
00:00:27,750 --> 00:00:26,240
maintenance activities in space today

6
00:00:29,269 --> 00:00:27,760
the international space station flight

7
00:00:30,550 --> 00:00:29,279
control team is watching over all of

8
00:00:31,910 --> 00:00:30,560
this from here on the ground in the

9
00:00:34,310 --> 00:00:31,920
international space station flight

10
00:00:36,150 --> 00:00:34,320
control room where they're led by flight

11
00:00:39,430 --> 00:00:36,160
director dina contella

12
00:00:43,510 --> 00:00:39,440
with serena serena onyen in the role of

13
00:00:47,270 --> 00:00:45,510

in space the expedition 36 crew is more

14
00:00:49,510 --> 00:00:47,280
than halfway through their day which

15
00:00:51,350 --> 00:00:49,520
began at 1 am central time

16
00:00:53,189 --> 00:00:51,360
they are russian commander pablo

17
00:00:56,069 --> 00:00:53,199
vinogradov

18
00:00:59,029 --> 00:00:56,079
u.s flight engineers chris cassidy and

19
00:01:00,709 --> 00:00:59,039
karen nyberg european space agency

20
00:01:02,310 --> 00:01:00,719
flight engineer luca parmitano and

21
00:01:05,429 --> 00:01:02,320
russian flight engineers alexander

22
00:01:07,670 --> 00:01:05,439
misurkin and viota yurchikhin

23
00:01:09,510 --> 00:01:07,680
cassidy vinogradov and misurkin have

24
00:01:12,070 --> 00:01:09,520
been in space and at the space station

25
00:01:14,870 --> 00:01:12,080
since march 28th putting in putting them

26
00:01:17,030 --> 00:01:14,880
at their 123rd day

27
00:01:18,630 --> 00:01:17,040
mark of the mission

28
00:01:20,390 --> 00:01:18,640
nyberg parmitano and yurchikhin

29
00:01:22,870 --> 00:01:20,400
meanwhile launched and docked on may

30
00:01:24,789 --> 00:01:22,880
28th so they've now spent 62 days in

31
00:01:26,630 --> 00:01:24,799
space and at the station

32
00:01:29,109 --> 00:01:26,640
together the crew is currently orbiting

33
00:01:34,950 --> 00:01:29,119
258 miles above the bay of bengal and

34
00:01:39,990 --> 00:01:37,270
looming large again on the cruise agenda

35
00:01:42,230 --> 00:01:40,000
today is more preparation for the

36
00:01:44,310 --> 00:01:42,240
upcoming launch of the kunatori h2

37
00:01:46,149 --> 00:01:44,320
transfer vehicle number four

38
00:01:48,149 --> 00:01:46,159

that japanese cargo vehicle is scheduled

39
00:01:51,109 --> 00:01:48,159
to take off from the tanegashima space

40
00:01:52,469 --> 00:01:51,119
center in japan at 2 48 pm central time

41
00:01:54,230 --> 00:01:52,479
on saturday

42
00:01:56,230 --> 00:01:54,240
and flight engineers karen nyberg and

43
00:01:57,109 --> 00:01:56,240
chris cassidy spent some additional time

44
00:01:59,350 --> 00:01:57,119
today

45
00:02:01,030 --> 00:01:59,360
training to capture it using the space

46
00:02:02,950 --> 00:02:01,040
station's robotic arm

47
00:02:05,030 --> 00:02:02,960
and pulling it to the space station for

48
00:02:06,709 --> 00:02:05,040
birthing at the harmony node

49
00:02:10,949 --> 00:02:06,719
that birthing is scheduled to take place

50
00:02:15,910 --> 00:02:12,790
meanwhile commander pavel vinogradov is

51
00:02:18,229 --> 00:02:15,920
spending most of his day unpacking

52
00:02:20,790 --> 00:02:18,239
another cargo vehicle that's the russian

53
00:02:22,550 --> 00:02:20,800
progress 52 which arrived on saturday

54
00:02:23,910 --> 00:02:22,560
carrying almost three tons worth of

55
00:02:25,430 --> 00:02:23,920
supplies and equipment that he's been

56
00:02:27,430 --> 00:02:25,440
working to unload

57
00:02:29,830 --> 00:02:27,440
and get entered into the space station's

58
00:02:31,990 --> 00:02:29,840
inventory management system

59
00:02:33,670 --> 00:02:32,000
his fellow russian crewmates have a

60
00:02:34,949 --> 00:02:33,680
couple of different science experiments

61
00:02:36,710 --> 00:02:34,959
planned for the day

62
00:02:38,949 --> 00:02:36,720
including one that looks at developing

63
00:02:40,550 --> 00:02:38,959

technologies to produce biomasses of

64
00:02:42,710 --> 00:02:40,560
microorganisms

65
00:02:45,990 --> 00:02:42,720
and one that studies how interleukins

66
00:02:47,430 --> 00:02:46,000
react to germs and microgravity

67
00:02:49,190 --> 00:02:47,440
there are several science experiments

68
00:02:51,589 --> 00:02:49,200
going on on the u.s side of the station

69
00:02:53,750 --> 00:02:51,599
as well parmitano and nyberg are both

70
00:02:56,150 --> 00:02:53,760
taking part in the reaction self test

71
00:02:58,470 --> 00:02:56,160
again today looking at how

72
00:03:00,630 --> 00:02:58,480
fatigue affects their performance and

73
00:03:02,470 --> 00:03:00,640
parmitano is also continuing his current

74
00:03:04,790 --> 00:03:02,480
run of the pro-k experiment which looks

75
00:03:06,630 --> 00:03:04,800
at how an astronaut's diet can decrease

76
00:03:08,149 --> 00:03:06,640
their bone loss during long stays in

77
00:03:09,830 --> 00:03:08,159
space

78
00:03:12,070 --> 00:03:09,840
in addition cassidy is joining them

79
00:03:13,670 --> 00:03:12,080
today for another segment of the ocular

80
00:03:15,589 --> 00:03:13,680
health experiment

81
00:03:17,750 --> 00:03:15,599
all three astronauts are performing

82
00:03:19,670 --> 00:03:17,760
fundascope exams of their own eyes and

83
00:03:21,910 --> 00:03:19,680
an ongoing effort to document the

84
00:03:24,070 --> 00:03:21,920
changes in astronaut vision over the

85
00:03:25,750 --> 00:03:24,080
course of their expedition