



1
00:00:10,310 --> 00:00:07,990
good morning and welcome to mission

2
00:00:11,589 --> 00:00:10,320
control houston and space station live

3
00:00:13,669 --> 00:00:11,599
we're here inside the international

4
00:00:14,789 --> 00:00:13,679
space station flight control room

5
00:00:16,310 --> 00:00:14,799
where the flight control team is

6
00:00:17,269 --> 00:00:16,320
watching over systems onboard the space

7
00:00:18,630 --> 00:00:17,279
station

8
00:00:20,790 --> 00:00:18,640
in space the three members of the

9
00:00:23,269 --> 00:00:20,800
expedition 36 crew are more than halfway

10
00:00:24,550 --> 00:00:23,279
through their day having started at 1am

11
00:00:27,269 --> 00:00:24,560
central time

12
00:00:29,109 --> 00:00:27,279
they are flight engineers chris cassidy

13
00:00:31,429 --> 00:00:29,119

and russian flight engineer alexander

14

00:00:34,069 --> 00:00:31,439

misurkin as well as expedition 36

15

00:00:36,310 --> 00:00:34,079

commander pablo vinogradov the crew has

16

00:00:37,750 --> 00:00:36,320

just over a week left to have the space

17

00:00:40,549 --> 00:00:37,760

station to themselves before their

18

00:00:42,709 --> 00:00:40,559

crewmates karen nyberg fyodor yurchikhin

19

00:00:44,630 --> 00:00:42,719

and luca parmitano launched from the

20

00:00:47,270 --> 00:00:44,640

baikonur cosmodrome in kazakhstan to

21

00:00:49,430 --> 00:00:47,280

join them on may 28th

22

00:00:50,869 --> 00:00:49,440

today each of the crew members spent the

23

00:00:53,029 --> 00:00:50,879

bulk of their time focused on one

24

00:00:54,229 --> 00:00:53,039

specific task on the russian side of the

25

00:00:56,229 --> 00:00:54,239

station

26

00:00:58,069 --> 00:00:56,239

that was the disassembly of their

27

00:00:59,670 --> 00:00:58,079

treadmill exercise equipment which

28

00:01:02,069 --> 00:00:59,680

vinogradov and misurkin were tearing

29

00:01:03,990 --> 00:01:02,079

down so they can replace it with a new

30

00:01:06,630 --> 00:01:04,000

treadmill delivered on the progress 51

31

00:01:08,070 --> 00:01:06,640

cargo vehicle which arrived on april

32

00:01:09,910 --> 00:01:08,080

26th

33

00:01:12,149 --> 00:01:09,920

on the u.s side of the station

34

00:01:14,310 --> 00:01:12,159

cassidy spent several hours this morning

35

00:01:15,270 --> 00:01:14,320

working on the combustion integrated

36

00:01:17,749 --> 00:01:15,280

rack

37

00:01:19,590 --> 00:01:17,759

which is an experiment hardware intended

38

00:01:21,350 --> 00:01:19,600

for use specifically with combustion

39

00:01:23,749 --> 00:01:21,360

related investigations

40

00:01:26,310 --> 00:01:23,759

in particular lately the combustion

41

00:01:27,990 --> 00:01:26,320

integrated rack is being used for the

42

00:01:29,670 --> 00:01:28,000

flame extinguishment experiment which

43

00:01:32,230 --> 00:01:29,680

assesses the effectiveness of fire

44

00:01:34,310 --> 00:01:32,240

suppressants and microgravity and aims

45

00:01:36,630 --> 00:01:34,320

to provide definition and direction for

46

00:01:38,390 --> 00:01:36,640

large-scale fire suppression tests and

47

00:01:40,550 --> 00:01:38,400

aid in the selection of fire

48

00:01:42,069 --> 00:01:40,560

suppressants for future spacecraft

49

00:01:43,590 --> 00:01:42,079

today cassidy did some routine

50

00:01:45,350 --> 00:01:43,600

maintenance work on the combustion

51
00:01:47,510 --> 00:01:45,360
integrated rack hardware

52
00:01:50,149 --> 00:01:47,520
to allow those experiments to continue

53
00:01:52,069 --> 00:01:50,159
he replaced its fuel reservoir and the

54
00:01:53,270 --> 00:01:52,079
igniter tips that ignite the fuel in the

55
00:01:55,350 --> 00:01:53,280
experiment

56
00:01:57,510 --> 00:01:55,360
and he also replaced the multi-user

57
00:01:58,950 --> 00:01:57,520
droplet combustion apparatus

58
00:02:00,709 --> 00:01:58,960
now the team here on the ground is doing

59
00:02:02,149 --> 00:02:00,719
a final bit of work to get the hardware

60
00:02:03,670 --> 00:02:02,159
up and running again