

EXPEDITION 29



SATOSHI FURUKAWA

Flight Engineer

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САТОШИ ФУРУКАВА

1
00:00:01,310 --> 00:00:02,730
This is Mission Control Houston.

2
00:00:02,730 --> 00:00:08,080
It's been a full day of science operations
for the International Space Station's Expedition

3
00:00:08,080 --> 00:00:10,299
29 crew.

4
00:00:10,299 --> 00:00:16,630
Early this morning, Commander Mike Fossum
did a battery change-out on the apparatus

5
00:00:16,630 --> 00:00:20,519
housing the Binary Colloidal Alloy Test.

6
00:00:20,519 --> 00:00:27,070
Once he got the hardware in good shape, he
then monitored another test run in that facility

7
00:00:27,070 --> 00:00:30,480
and later did a data take on the PASSAGES
experiment.

8
00:00:30,480 --> 00:00:37,160
That's an investigation into how astronauts
interpret visual information after a long

9
00:00:37,160 --> 00:00:42,230
time spent in weightlessness , how they may
do so now differently than they did before

10
00:00:42,230 --> 00:00:46,480
that time in a zero-gravity environment.

11
00:00:46,480 --> 00:00:51,770
Fossum also spent time today working with
Flight Engineer Satoshi Furukawa conducting

12
00:00:51,770 --> 00:00:57,360
another eye exam protocol on one another as
part of the normal health monitoring for all

13
00:00:57,360 --> 00:00:59,480
crew members onboard.

14
00:00:59,480 --> 00:01:07,490
Today's eye exam was devoted to a measurement
of the crew members' retinas.

15
00:01:07,490 --> 00:01:13,929
For Furukawa, he started off his day gathering
more video of the northern hemisphere aurora

16
00:01:13,929 --> 00:01:19,320
using the super-sensitive high-definition
video camera that's located in the station's

17
00:01:19,320 --> 00:01:20,560
cupola module.

18
00:01:20,560 --> 00:01:26,869
Furukawa also had to update some computer
network printouts, and he conducted another

19
00:01:26,869 --> 00:01:33,159
data take in the PASSAGES experiment as Fossum
had done, before spending most of his afternoon

20
00:01:33,159 --> 00:01:35,280
working on trash collection.

21
00:01:35,280 --> 00:01:42,560
The station crew is trying to finish up the
pre-packing for Progress number 42 by this

22
00:01:42,560 --> 00:01:48,130

coming Monday and then start loading the cargo ship for its departure, which is schedule

23

00:01:48,130 --> 00:01:52,040

for near the end of the month today.

24

00:01:52,040 --> 00:01:57,359

Fossum and Furukawa also took time in the early part of their afternoon to conduct an

25

00:01:57,359 --> 00:02:02,729

interview with CBS news to talk about the progress of their flight so far.

26

00:02:02,729 --> 00:02:08,280

Their crewmate, Flight Engineer Sergei Volkov, spent time in the Russian section of the space

27

00:02:08,280 --> 00:02:15,959

station watering the plants in a biology experiment module before moving on to monitoring an experiment

28

00:02:15,959 --> 00:02:22,540

run that took place in a crystallization experiment that is running inside the Poisk module of

29

00:02:22,540 --> 00:02:24,790

the Russian section of the space station.

30

00:02:24,790 --> 00:02:32,010

Volkov also took about an hour during his afternoon to shoot video of station operations.

31

00:02:32,010 --> 00:02:38,010

That video will be used in handover operations with the next set of crew members who are

32

00:02:38,010 --> 00:02:41,980

due to arrive at the International Space Station next month.

33

00:02:41,980 --> 00:02:48,430

The science operation are on schedule to continue on Friday with more operations in the Capillary

34

00:02:48,430 --> 00:02:55,110

Flow Experiment, the gathering of seedlings and planting new seeds in a plant habitat,