



1

00:00:04,339 --> 00:00:08,420

This is a live view of the International Space Station flight control room. The Orbit 2 team

2

00:00:08,420 --> 00:00:09,420

is on duty.

3

00:00:09,420 --> 00:00:12,570

They're in the early part of their shift and being led by Flight Director Jerry Jason,

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00:00:12,570 --> 00:00:14,730

who's He is shown here in the center of your view.

5

00:00:14,730 --> 00:00:19,679

He is leading the flight control team and further supported by astronaut Barry Wilmore,

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00:00:19,679 --> 00:00:22,000

who's in the long-sleeved black shirt.

7

00:00:22,000 --> 00:00:25,820

That individual represents the crew office and also serves as the voice of the flight

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00:00:25,820 --> 00:00:27,440

control team with the onboard crew.

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00:00:27,440 --> 00:00:33,489

On board the Expedition 28 crew is in the early afternoon of their crew day.

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00:00:33,489 --> 00:00:39,250

Commander Andrey Borisenko, NASA astronauts Mike Fossum and Ron Garan, and cosmonauts

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00:00:39,250 --> 00:00:45,270

Alexander Samokutyaev and Sergei Volkov, and

Japanese astronaut Satoshi Furukawa are in

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00:00:45,270 --> 00:00:46,899

the early part of their afternoon.

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00:00:46,899 --> 00:00:52,660

They just had their midday meal break a short while ago, and now back at work in the afternoon

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00:00:52,660 --> 00:00:53,660

activities.

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00:00:53,660 --> 00:01:01,350

A wide variety of science experiments as well as maintenance work being done.

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00:01:01,350 --> 00:01:06,250

Some of the activities included the unpacking of the GLACIER, which is one of the onboard

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00:01:06,250 --> 00:01:13,110

freezers, as well as experiment work on the MERLIN and URAGAN experiments, as well as

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00:01:13,110 --> 00:01:17,969

the MATRYOSHKA-R experiment, which measures radiation exposure both inside and

19

00:01:17,969 --> 00:01:21,459

externally of the space station.

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00:01:21,459 --> 00:01:26,469

Japanese astronaut Satoshi Furukawa is also performing robotics onboard training, which

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00:01:26,469 --> 00:01:33,840

is part of routine proficiency training to keep his robotics skills proficient on board.

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00:01:33,840 --> 00:01:38,280

The crew members will also perform a stowage audit of the Russian segment of the space

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00:01:38,280 --> 00:01:44,590

station and an inspection of the Japanese module window.

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00:01:44,590 --> 00:01:47,689

They'll wrap up their day with an end-of-day daily planning conference and some off-duty

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00:01:51,250 --> 00:01:48,689

time.

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00:01:51,250 --> 00:01:56,219

[Capcom] We're standing by, Satoshi, go ahead.

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00:01:56,219 --> 00:02:05,459

[Furukawa] Okay, Butch. I'm in step three for training purposes, moving the arm.

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00:02:05,459 --> 00:02:11,239

[Capcom] We copy. Thanks Satoshi.

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00:02:11,239 --> 00:02:18,510

That again an update from Furukawa regarding the robotics activity that he is working on

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00:02:18,510 --> 00:02:23,209

throughout the afternoon.

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00:02:23,209 --> 00:02:27,150

He's just in the early part of that training session, which should last about two hours

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00:02:27,150 --> 00:02:33,180

and that is a routine activity for onboard crew members.

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00:02:33,180 --> 00:02:37,391
The crew woke up at 1 a.m. Central time, and had their routine morning inspection as well

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00:02:37,391 --> 00:02:41,939
as breakfast and personal time before their start-of-day daily planning conference, which

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00:02:41,939 --> 00:02:45,629
is an opportunity to tag up with all their supporting flight control centers.

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00:02:45,629 --> 00:02:50,150
The morning also included work on various experiments, including the BCAT or Binary

37
00:02:50,150 --> 00:02:55,290
Colloid Alloy Test experiment, performing samples and photography of crystal development.

38
00:02:55,290 --> 00:03:00,989
Also work on the PLANTS and Typology experiments and some laptop configurations associated

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00:03:00,989 --> 00:03:02,530
with the new EXPRESS rack on board.

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00:03:02,530 --> 00:03:09,299
Crew members also participated in a number of interactive activities including a Russian

41
00:03:09,299 --> 00:03:12,390
public affairs event answering questions from students.

42
00:03:12,390 --> 00:03:17,280
They also performed a cleanup of one of the crew quarters facilities.

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00:03:17,280 --> 00:03:22,189

That's a routine activity just to ensure all the ventilation and ducting are all working

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00:03:22,189 --> 00:03:26,400

properly.

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00:03:26,400 --> 00:03:33,040

Overnight the ground control team also performed some activities using the Dextre or SPDM,

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00:03:33,040 --> 00:03:37,889

the Special Purpose Dextrous Manipulator.

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00:03:37,889 --> 00:03:42,840

This is a replay of some of that video from overnight. This was a several-hour-long process

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00:03:42,840 --> 00:03:49,019

to ensure the proper calibration of the cameras located on that robotic device, and all that

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00:03:49,019 --> 00:03:50,451

activity went smoothly as well.

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00:03:50,451 --> 00:03:58,629

This of course has been a busy two weeks for Dextre with its first activities being conducted