



1
00:00:01,310 --> 00:00:03,480
[COMMENTATOR] Good morning,
this is Mission Control Houston.

2
00:00:03,480 --> 00:00:07,990
Thank you for joining us for today's
ISS Update this Friday, September 23.

3
00:00:07,990 --> 00:00:10,930
Aboard the orbiting complex,
station Commander Mike Fossum

4
00:00:10,930 --> 00:00:12,920
and Flight Engineers Satoshi Furukawa

5
00:00:12,920 --> 00:00:17,430
and Sergei Volkov are completing their
first full week aboard the orbiting complex

6
00:00:17,430 --> 00:00:23,500
as the Expedition 29 crew since departure of
their Expedition 28 crew members last week.

7
00:00:23,500 --> 00:00:27,930
On orbit the Expedition crew members continue
to conduct research that takes advantage

8
00:00:27,930 --> 00:00:30,600
of their microgravity environment to learn more

9
00:00:30,600 --> 00:00:33,420
about the human body, biology,
physics and materials.

10
00:00:33,420 --> 00:00:36,940
The crew also continues the maintenance
and upkeep of their home away from home.

11
00:00:36,940 --> 00:00:39,600

[FOSSUM] Houston, station,
Mike and Satoshi on 1.

12

00:00:39,600 --> 00:00:42,690

For simulation purposes we
have received the DPDT alarm.

13

00:00:42,690 --> 00:00:44,650

Gathering in the SM.

14

00:00:44,650 --> 00:00:52,080

[COMMENTATOR] The exchange we're hearing today
is during today's ISS update hour Commander Mike

15

00:00:52,080 --> 00:00:56,520

Fossum and Flight Engineers Satoshi
Furukawa and Sergei Volkov will be

16

00:00:56,520 --> 00:00:57,720

in the Russian side of the house.

17

00:00:57,720 --> 00:01:03,330

They are participating in an on-orbit training
exercise of an emergency depressurization drill.

18

00:01:03,330 --> 00:01:07,110

The crew will use this hour in about 20
minutes to review procedures in the event

19

00:01:07,110 --> 00:01:11,310

of a cabin pressure leak and also
practice an initial crew actions

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00:01:11,310 --> 00:01:13,770

in response to the specific emergency case.

21

00:01:13,770 --> 00:01:19,380

After the regular morning station inspection,
breakfast and the daily planning conference,

22
00:01:19,380 --> 00:01:24,550
Commander Fossum had jump started the workday with a repair to the onboard recovery system.

23
00:01:24,550 --> 00:01:30,300
He spent a couple hours this morning removing a faulty fluids control and pump assembly

24
00:01:30,300 --> 00:01:34,770
of the Urine Processor Assembly and replaced it with a new part to bring that system,

25
00:01:34,770 --> 00:01:38,620
the system that converts wastewater, urine and condensation

26
00:01:38,620 --> 00:01:40,810
into potable drinking water back online.

27
00:01:40,810 --> 00:01:44,980
Fossum also spent some time in the Destiny laboratory this morning to configure

28
00:01:44,980 --> 00:01:49,660
and load software onto an EXPRESS laptop computer that is used in conjunction

29
00:01:49,660 --> 00:01:52,940
with the science rack that supports ongoing experiments.

30
00:01:52,940 --> 00:01:58,600
He then checked out an RFID or Radio Frequency Identification scanner that is being tested

31
00:01:58,600 --> 00:02:03,440
to interface with the onboard Inventory Management System.

32

00:02:03,440 --> 00:02:07,560

Flight Engineer Volkov had spent some time this morning cleaning the fan screens

33

00:02:07,560 --> 00:02:12,520

in the Rassvet mini-research module on the Russian segment of the station.

34

00:02:12,520 --> 00:02:17,060

He also performed an oxygen repress from the docked Progress resupply ship

35

00:02:17,060 --> 00:02:20,650

and some regular maintenance to the Russian life support systems.

36

00:02:20,650 --> 00:02:24,330

Earlier this morning Flight Engineer Furukawa had spent most of the morning

37

00:02:24,330 --> 00:02:26,620

with an onboard exercise equipment.

38

00:02:26,620 --> 00:02:31,430

He had conducted one of two six-month routine checkups of the treadmill equipment

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00:02:31,430 --> 00:02:36,270

and later put in an hour of his daily two-hour exercise routine using the Advanced Resistive

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00:02:36,270 --> 00:02:38,850

Exercise Device that simulates weightlifting.

41

00:02:38,850 --> 00:02:45,070

After practicing today's depressurization drill, Commander Fossum will activate and check

42

00:02:45,070 --> 00:02:48,610

out the Water Recovery System that

he had repaired earlier this morning.

43

00:02:48,610 --> 00:02:52,570

The crew members will then follow up
today's emergency depressurization drill

44

00:02:52,570 --> 00:02:55,320

with a space-to-ground conference
to review their performance

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00:02:55,320 --> 00:02:57,330

and to discuss any lessons learned.