



1

00:00:01,576 --> 00:00:08,086

This is Mission Control Houston where experiment operations have been the top priority of the day

2

00:00:08,086 --> 00:00:11,736

on Friday for the crew members onboard the International Space Station.

3

00:00:12,686 --> 00:00:15,186

The first thing on the agenda after breakfast

4

00:00:15,186 --> 00:00:19,386

for the Expedition 29 crew was a weekly conference

5

00:00:19,386 --> 00:00:21,276

with their Russian flight control team.

6

00:00:21,586 --> 00:00:24,336

A briefing on the work of the week just concluded

7

00:00:24,416 --> 00:00:26,416

and the plan for the week still to come.

8

00:00:27,106 --> 00:00:30,376

They'll in fact be wrapping up the day with a similar conference

9

00:00:30,806 --> 00:00:35,756

with their lead increment flight director here in Houston later on in the day on Friday.

10

00:00:37,056 --> 00:00:40,726

During the morning on Friday, Commander Mike Fossum spent his morning setting

11

00:00:40,726 --> 00:00:45,786

up the Capillary Flow experiment

hardware in the Maintenance Work Area

12

00:00:46,246 --> 00:00:50,826

and then he oversaw more fluid test runs of that experiment.

13

00:00:51,276 --> 00:00:56,626

The Capillary Flow experiment is investigating...well capillary flow and the flow

14

00:00:56,626 --> 00:01:01,086

of fluids that are inside containers which have complex geometries.

15

00:01:01,676 --> 00:01:06,206

The hope there is to develop improvements in fluid transfer systems

16

00:01:06,596 --> 00:01:09,466

that can be employed in future spacecraft.

17

00:01:10,576 --> 00:01:15,566

In the afternoon, Fossum spent time working at the plant habitation module

18

00:01:15,656 --> 00:01:21,796

in the Commercial Generic Bioprocessing Apparatus removing six germination flasks

19

00:01:21,796 --> 00:01:23,916

and then planting six new ones.

20

00:01:24,486 --> 00:01:29,666

After the crew's lunch, Fossum and Flight Engineers Sergei Volkov

21

00:01:29,666 --> 00:01:36,406

and Satoshi Furukawa had a handover conference with their future crewmate Dan Burbank who is

22

00:01:36,406 --> 00:01:39,716

on the ground at the Johnson
Space Center in Houston finishing

23

00:01:39,716 --> 00:01:44,296

up some refresher training before
he leaves for Star City to meet

24

00:01:44,296 --> 00:01:47,246

up with Anton Shkaplerov and Anatoly Ivanishin.

25

00:01:47,806 --> 00:01:51,776

The three of them will be making their
final preparations then for their launch

26

00:01:51,776 --> 00:01:56,546

to the International Space Station which is
currently targeted for the middle of November.

27

00:01:57,696 --> 00:02:02,736

On orbit today Sergei Volkov
was involved in science as well.

28

00:02:02,996 --> 00:02:06,946

He spent part of his day watering
plants in a Russian greenhouse facility

29

00:02:07,406 --> 00:02:13,176

and performed another experiment run in a
crystallization experiment in the Poisk module,

30

00:02:13,426 --> 00:02:17,016

as well as conducting some
regular Russian system maintenance.

31

00:02:18,216 --> 00:02:22,476

Satoshi Furukawa had a session
with the Lego bricks experiment.

32

00:02:23,086 --> 00:02:28,766

Some Lego kits that are being assembled on orbit by the crew members and used

33

00:02:28,766 --> 00:02:30,826

to demonstrate scientific concepts.

34

00:02:31,496 --> 00:02:33,746

Furukawa planned to spend most

35

00:02:33,746 --> 00:02:38,396

of his afternoon taking sound level measurements throughout the station to make sure

36

00:02:38,396 --> 00:02:43,646

that the sounds generated by station equipment are at a safe level for the crew members.

37

00:02:44,596 --> 00:02:50,136

All three members of the Expedition 29 crew have time off-duty and private conferences

38

00:02:50,136 --> 00:02:54,786

with their families coming up this weekend, before resuming their science operations

39

00:02:54,886 --> 00:03:01,106

and packing up a Progress supply ship and continuing their routine maintenance care