



1

00:00:02,076 --> 00:00:04,266

Hello and welcome to Mission Control Houston.

2

00:00:04,266 --> 00:00:07,306

We're inside the International  
Space Station Flight Control Room.

3

00:00:07,846 --> 00:00:11,136

Where this team you see is monitoring  
systems onboard the space station.

4

00:00:11,636 --> 00:00:13,536

All is functioning well at this time.

5

00:00:14,386 --> 00:00:15,376

It's Friday Oct.

6

00:00:15,376 --> 00:00:18,836

14 for today's Expedition 29 ISS Update.

7

00:00:22,906 --> 00:00:27,436

The crew members onboard the space station  
include station commander Mike Fossum

8

00:00:27,846 --> 00:00:32,976

and flight engineers cosmonaut Sergei Volkov  
and Japanese astronaut Satoshi Furukawa.

9

00:00:41,446 --> 00:00:45,976

The crew members today are focusing on some  
maintenance work inside the space station.

10

00:00:45,976 --> 00:00:51,236

Fossum is putting together  
and installing a cable

11

00:00:51,356 --> 00:00:55,656

for the Inter-Satellite Communications  
System in the Japanese Kibo laboratory.

12  
00:00:55,716 --> 00:01:00,756  
It is a jumper cable that is to provide power to components in an alternate method

13  
00:01:00,846 --> 00:01:06,126  
since the system has been shut down due to a possible short circuit inside.

14  
00:01:11,796 --> 00:01:15,936  
Furukawa is working inside the Columbus laboratory.

15  
00:01:16,846 --> 00:01:25,856  
His task is to inspect, clean, disinfect and cover a few water on/off valves.

16  
00:01:29,456 --> 00:01:35,006  
That procedure was developed after debris was found on another valve and determined to be

17  
00:01:35,006 --> 00:01:37,686  
from condensation collected on the cold valve.

18  
00:01:37,686 --> 00:01:45,246  
So the covering is to prevent the condensation from collecting on these valves as well.

19  
00:01:46,156 --> 00:01:52,106  
Inside the Russian segment, Flight Engineer Sergei Volkov is working on packing up equipment

20  
00:01:52,106 --> 00:01:56,076  
and supplies, or equipment and trash, that are no longer needed

21  
00:01:56,076 --> 00:02:01,056  
on the station inside the 42 Progress cargo vehicle that is attached

22  
00:02:01,056 --> 00:02:03,336  
to the Pirs docking compartment and airlock.

23  
00:02:03,336 --> 00:02:05,486  
That will be undocking on Oct.

24  
00:02:05,486 --> 00:02:10,786  
29 to burn up in the Earth's  
atmosphere to discard that trash.

25  
00:02:11,876 --> 00:02:14,446  
Volkov is also continuing  
work with an experiment

26  
00:02:14,566 --> 00:02:17,676  
that he's been conducting this  
week called the Coulomb Crystal

27  
00:02:17,676 --> 00:02:22,686  
which observes how a magnetic field can  
control materials that do not mix or react.

28  
00:02:28,956 --> 00:02:34,626  
The crew members are then scheduled for  
a light-duty or off-duty weekend as usual

29  
00:02:34,626 --> 00:02:37,016  
and will continue on with their science