



1
00:00:04,056 --> 00:00:07,266
[Commentator:] Well, good morning
from NASA's Johnson Space Center.

2
00:00:07,266 --> 00:00:09,556
This is Mission Control, Houston.

3
00:00:09,556 --> 00:00:12,176
It's Tuesday, October 18.

4
00:00:12,716 --> 00:00:17,186
You're looking at the International Space
Station flight control room as a team

5
00:00:17,186 --> 00:00:21,036
of flight controllers watches over
systems aboard the orbiting complex.

6
00:00:21,036 --> 00:00:27,186
The station in a current
altitude of 238.9 statute miles.

7
00:00:27,186 --> 00:00:33,126
This space craft traveling around
the Earth every 92 minutes,

8
00:00:33,216 --> 00:00:37,126
currently tracking off the
northeast coast of Japan just

9
00:00:37,126 --> 00:00:39,646
about to make a swing across the Pacific Ocean.

10
00:00:40,196 --> 00:00:44,806
The team today is once again led by
veteran flight director Matt Abbott.

11
00:00:45,106 --> 00:00:50,716
He is handling the oversight of this flight

control team for the next eight hours or so.

12
00:00:51,076 --> 00:00:54,306
He's joined by veteran astronaut Shannon Lucid.

13
00:00:54,686 --> 00:00:58,806
She is handling the communications
link between the flight control team

14
00:00:59,236 --> 00:01:03,136
and the Expedition 29 crew aboard
the International Space Station.

15
00:01:04,876 --> 00:01:09,816
The team has been on console since about
seven o'clock this morning Central time.

16
00:01:10,186 --> 00:01:14,796
The typical nine-hour shift should end
with a handover to the oncoming team

17
00:01:15,146 --> 00:01:18,966
about three o'clock, four
o'clock this afternoon.

18
00:01:19,306 --> 00:01:21,166
[Expedition 29 Commander Mike
Fossum:] ...rack rotating up, right.

19
00:01:22,976 --> 00:01:27,386
[Commentator:] On board the International
Space Station, the Expedition 29 crew

20
00:01:27,386 --> 00:01:34,416
in its 131st day aboard the
station, 133 days in space now.

21
00:01:34,706 --> 00:01:41,156
From left to right, Soyuz
TMA-02M Commander Sergei Volkov.

22

00:01:41,156 --> 00:01:45,906

He's serving as flight engineer
number four of the Expedition 29 crew.

23

00:01:46,326 --> 00:01:51,916

Seated in the middle is the commander of
Expedition 29, U.S. astronaut Mike Fossum,

24

00:01:52,396 --> 00:01:58,566

and to the right, his [Japan] Aerospace
Exploration Agency crew member and astronaut,

25

00:01:58,566 --> 00:02:01,436

flight engineer number five, Satoshi Furukawa.

26

00:02:01,966 --> 00:02:06,436

He is working today on swapping
out science instruments

27

00:02:06,436 --> 00:02:08,786

in the Microgravity [Science] Glovebox.

28

00:02:09,186 --> 00:02:19,006

That experiment that will be replacing a
previous experiment is a colloid suspensions

29

00:02:19,006 --> 00:02:22,566

experiment known as Selectable
Optical Diagnostics Instrument.

30

00:02:22,956 --> 00:02:29,696

That glovebox will be activated
after he finishes his work

31

00:02:29,696 --> 00:02:33,586

with that science experiment installation.

32

00:02:34,096 --> 00:02:40,036

Mike Fossum is spending most of his day swapping out another failed component as part

33

00:02:40,036 --> 00:02:43,746

of the electrical system of the station, a Remote Power [Controller] Module.

34

00:02:44,126 --> 00:02:50,126

So, he'll be working with that throughout a good bit of his workday today.

35

00:02:50,516 --> 00:02:56,756

And Sergei Volkov overseeing activities in the Russian segment of the station,

36

00:02:56,756 --> 00:03:01,576

including stowage of items in the 42 Progress cargo vehicle

37

00:03:01,576 --> 00:03:04,406

that will be leaving the station this coming Saturday.

38

00:03:05,256 --> 00:03:11,066

So, he's overseeing the installation of hardware and trash and items

39

00:03:11,066 --> 00:03:15,686

that are no longer needed aboard the station ahead of that space craft's departure.

40

00:03:16,156 --> 00:03:21,706

He's also overseeing activities associated with a reboost maneuver of the station

41

00:03:21,706 --> 00:03:24,466

to change the station's altitude a little bit.

42

00:03:25,016 --> 00:03:27,346

That's planned to occur on Wednesday.

43
00:03:27,726 --> 00:03:32,966
So, he's been working with his team ensuring they have all of the systems ready to go

44
00:03:32,966 --> 00:03:39,756
to support that slight, two-mile altitude increase scheduled

45
00:03:39,946 --> 00:03:43,876
for late Wednesday morning U.S. Central time.

46
00:03:44,396 --> 00:03:50,086
So, the crew off in different directions working on science experiments, hardware change-outs

47
00:03:50,176 --> 00:03:56,956
and preparations for a cargo vehicle departure and a reboost of the station's altitude.

48
00:03:57,236 --> 00:04:02,296
So, the Expedition 29 crew busy once again aboard the complex here

49
00:04:02,296 --> 00:04:06,786
on their 131st day aboard the International Space Station.