



1

00:00:04,910 --> 00:00:09,790

Good Wednesday morning from the Johnson Space Center in Houston, this is Mission Control.

2

00:00:09,790 --> 00:00:12,970

You're looking at the International Space Station flight control room,

3

00:00:12,970 --> 00:00:17,150

from the back of the room looking forward across the consoles,

4

00:00:17,150 --> 00:00:20,570

each staffed by a flight controller watching over all

5

00:00:20,570 --> 00:00:23,610

of the systems aboard the International Space Station,

6

00:00:23,610 --> 00:00:30,180

looking forward at the forward graphic showing the location of the International Space Station.

7

00:00:30,180 --> 00:00:33,860

The flight controllers watching over station systems

8

00:00:33,860 --> 00:00:40,190

as the orbiting complex tracks toward the equator and the African continent,

9

00:00:40,190 --> 00:00:45,290

about midway through a daylight pass around this Earth from this vantage point

10

00:00:45,290 --> 00:00:51,080

of 238 statute miles above the Earth.

11

00:00:51,080 --> 00:00:55,890

The station's in excellent shape as the team of flight controllers which has been on console

12

00:00:55,890 --> 00:00:59,930

since early this morning watching over all of those systems.

13

00:00:59,930 --> 00:01:05,190

The team once again today is being led by veteran flight director Matt Abbott.

14

00:01:05,190 --> 00:01:10,810

He is joined at the flight director console by Shannon Lucid, a veteran astronaut

15

00:01:10,810 --> 00:01:15,800

who is serving as the communications link between this flight control team

16

00:01:15,800 --> 00:01:19,010

and the crew aboard the International Space Station.

17

00:01:19,010 --> 00:01:24,050

That crew of Expedition 29, a three member crew.

18

00:01:24,050 --> 00:01:33,140

Astronaut Mike Fossum serving as commander of Expedition 29 is joined on the left

19

00:01:33,140 --> 00:01:36,460

in this photo, Sergei Volkov as flight engineer number four,

20

00:01:36,460 --> 00:01:40,580

who this the Soyuz TMA-02M commander,

21

00:01:40,580 --> 00:01:46,880

and Japanese Aerospace Exploration

Agency astronaut Satoshi Furukawa,

22

00:01:46,880 --> 00:01:50,530

flight engineer number five
on the right in this view.

23

00:01:50,530 --> 00:01:58,090

The three crew members have been aboard the
station 132 days now, and 134 days in space

24

00:01:58,090 --> 00:02:03,740

since their launch to the International
Space Station back on June 7 of this year.

25

00:02:03,740 --> 00:02:11,000

They plan to return home on
the evening of November 21.

26

00:02:11,000 --> 00:02:19,340

Their day began about 1 a.m. central
time, and they'll end their day with going

27

00:02:19,340 --> 00:02:21,430

to sleep about 4:30 in the afternoon.

28

00:02:21,430 --> 00:02:26,830

That's a typical routine day for crew members
aboard the International Space Station.

29

00:02:26,830 --> 00:02:35,350

Today their focus is on experiment work, some
life sciences, human research activities onboard

30

00:02:35,350 --> 00:02:41,420

for the crew members and also some
routine periodic maintenance activities.

31

00:02:41,420 --> 00:02:49,340

They continue with their work to stow unneeded
equipment inside a Progress supply vehicle,

32
00:02:49,340 --> 00:02:55,690
the Progress 42 vehicle you see docked to
the Pirs docking compartment at the far end

33
00:02:55,690 --> 00:02:58,250
of the Russian segment of the station.

34
00:02:58,250 --> 00:03:02,510
It's scheduled for departure from
the complex this coming Saturday

35
00:03:02,510 --> 00:03:07,990
with undocking scheduled just after
4 in the morning, central time.

36
00:03:07,990 --> 00:03:15,780
Their Soyuz spacecraft you see in the foreground
atop the Rassvet mini-research laboratory

37
00:03:15,780 --> 00:03:23,580
of the Russian segment of the station is
their trip, their ride home on November 21.

38
00:03:23,580 --> 00:03:29,750
An identical Soyuz is targeted to bring
three new crew members to the station

39
00:03:29,750 --> 00:03:35,860
to join them a little bit earlier than
their departure to give them some time

40
00:03:35,860 --> 00:03:42,980
for a handover period and then they will
depart and leave the station in the hands

41
00:03:42,980 --> 00:03:47,990
of the oncoming crew members who
will then serve as Expedition 30.

42

00:03:47,990 --> 00:03:53,010

Mike Fossum, the commander of the crew, has spent a good deal

43

00:03:53,010 --> 00:03:56,750

of his day conducting some routine maintenance

44

00:03:56,750 --> 00:04:00,620

with the spacesuits onboard the International Space Station.

45

00:04:00,620 --> 00:04:07,360

A number of maintenance activities occur periodically, including battery recharging

46

00:04:07,360 --> 00:04:14,400

and also purging of some of the coolant loops to ensure that they have a clean flow in the case

47

00:04:14,400 --> 00:04:18,250

of a need for a spacewalk aboard the complex.

48

00:04:18,250 --> 00:04:21,880

So a busy day for all three crew members as they head off