



1

00:00:03,930 --> 00:00:07,790

Good Thursday morning from
NASA's Johnson Space Center.

2

00:00:07,790 --> 00:00:09,920

This is Mission Control Houston.

3

00:00:09,920 --> 00:00:13,090

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

4

00:00:13,090 --> 00:00:19,160

as we join the voyage of Expedition 29
aboard the International Space Station.

5

00:00:19,160 --> 00:00:23,010

The flight control team on duty has been here

6

00:00:23,010 --> 00:00:26,870

since about 7 o'clock this
morning, central time.

7

00:00:26,870 --> 00:00:30,560

The team is on console for
the next nine hours or so,

8

00:00:30,560 --> 00:00:34,180

should be off duty about 4 in the afternoon.

9

00:00:34,180 --> 00:00:39,190

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

10

00:00:39,190 --> 00:00:44,270

He is joined today by Mike Jensen who
is serving as the communications link

11

00:00:44,270 --> 00:00:45,920

between the flight control team

12

00:00:45,920 --> 00:00:51,190

and the Expedition 29 crew aboard
the International Space Station.

13

00:00:51,190 --> 00:00:56,670

That crew consists of three,
two astronauts and a cosmonaut.

14

00:00:56,670 --> 00:01:02,650

Commander Mike Fossum serving as the Expedition
29 commander; you see him seated in the middle.

15

00:01:02,650 --> 00:01:09,290

Sergei Volkov, Russian cosmonaut,
serving as the Soyuz TMA-02M commander.

16

00:01:09,290 --> 00:01:14,010

He serves as flight engineer number
four, standing on the left in this view,

17

00:01:14,010 --> 00:01:20,360

and Japanese Aerospace Exploration Agency
astronaut Satoshi Furukawa on his first voyage

18

00:01:20,360 --> 00:01:24,430

into space, serving as flight
engineer number five.

19

00:01:24,430 --> 00:01:32,290

The three crew members enjoying their 133rd day
in space aboard the International Space Station.

20

00:01:32,290 --> 00:01:40,420

They've been in space now for 135 days since
their launch June 7 on their Soyuz spacecraft.

21

00:01:40,420 --> 00:01:49,200

They plan to return home on November 21 in the
evening, U.S. time, with all things on schedule

22

00:01:49,200 --> 00:01:54,660

for their return home after their
three other crew members join them

23

00:01:54,660 --> 00:02:00,090

for a few days before taking
over command of the station.

24

00:02:00,090 --> 00:02:05,720

The International Space Station as you
see is tracking across the South Pacific,

25

00:02:05,720 --> 00:02:10,000

headed toward an orbital
sunrise in the next few minutes.

26

00:02:10,000 --> 00:02:15,210

A new altitude for the International Space
Station following Wednesday afternoon's,

27

00:02:15,210 --> 00:02:20,780

Wednesday morning's reboost, which raised
the station's orbit by about two miles.

28

00:02:20,780 --> 00:02:29,340

That sets the stage for the departure of the 42
Progress supply cargo vehicle currently docked

29

00:02:29,340 --> 00:02:35,510

to the space station, and it also sets the
stage for phasing of the complex in line

30

00:02:35,510 --> 00:02:40,200

with the launch of the next
Progress vehicle, Progress 45,

31

00:02:40,200 --> 00:02:44,810

which will take the taking
port vacated by Progress 42.

32
00:02:44,810 --> 00:02:53,000
That Progress 45 vehicle slated to
launch on October 30, Sunday, October 30,

33
00:02:53,000 --> 00:02:56,900
and dock to the station Wednesday, November 2.

34
00:02:56,900 --> 00:03:04,190
The Soyuz 27 that you see there, TMA-02M, is
the spacecraft for Mike Fossum, Sergei Volkov

35
00:03:04,190 --> 00:03:13,280
and Satoshi Furukawa for their return home,
and the next Soyuz spacecraft, Soyuz TMA-22,

36
00:03:13,280 --> 00:03:22,850
will dock to that port upon arrival slated
for November 15 late at night, U.S. time.

37
00:03:22,850 --> 00:03:27,980
The little connect cover that's on the The
crew is working throughout the day on a number

38
00:03:27,980 --> 00:03:31,970
of activities, activating
some experiments onboard

39
00:03:31,970 --> 00:03:34,460
and setting the stage for future experiments.

40
00:03:34,460 --> 00:03:36,690
Mike Fossum is spending a great deal

41
00:03:36,690 --> 00:03:41,910
of his day today working inside
the Combustion Integrated Rack

42
00:03:41,910 --> 00:03:45,730

of the International Space Station
in the U.S. laboratory Destiny,

43
00:03:45,730 --> 00:03:53,750
and Satoshi Furukawa is spending a great deal
of his time in the Japanese laboratory working

44
00:03:53,750 --> 00:04:09,260
with the Konotori or the, the experiment rack
for the Gradient Heating Facility in the module.

45
00:04:09,260 --> 00:04:15,140
He's spending a great deal of time, he's located
there in the central right portion of the view.

46
00:04:15,140 --> 00:04:19,960
So a busy day for those two crew
members, and Sergei Volkov continuing work

47
00:04:19,960 --> 00:04:25,030
in the Russian segment of the station,
conducting inventory and stowage activities