



1
00:00:00,506 --> 00:00:03,686
[Music]

2
00:00:04,186 --> 00:00:07,186
>> It's Tuesday,
November 12th, 2013,

3
00:00:07,186 --> 00:00:10,066
this is the International Space
Station Flight Control Room.

4
00:00:10,646 --> 00:00:12,986
Welcome to Space
Station Live on this day,

5
00:00:12,986 --> 00:00:15,576
the first day following
Veteran's Day

6
00:00:15,976 --> 00:00:20,086
and also the arrival and
departure of 3 crew members

7
00:00:20,086 --> 00:00:21,696
at the International
Space Station.

8
00:00:22,026 --> 00:00:24,636
This flight control
team, today, is being led

9
00:00:24,636 --> 00:00:27,686
by veteran flight
director Ed Van Cise.

10
00:00:27,956 --> 00:00:29,516
He's joined by Marc Reagan.

11
00:00:29,516 --> 00:00:31,906

You see to his right,
he's serving

12

00:00:31,906 --> 00:00:33,516
at the spacecraft communicator.

13

00:00:33,516 --> 00:00:36,406
The communications
link between Houston

14

00:00:36,696 --> 00:00:39,606
and the crew aboard the
International Space Station.

15

00:00:40,016 --> 00:00:46,286
That crew currently 6, went from
6 to 9 and back to 6 and all

16

00:00:46,286 --> 00:00:51,466
in the span of about 6 days with
the departure of 3 crew members

17

00:00:51,466 --> 00:00:54,286
after 166 days in space.

18

00:00:54,286 --> 00:00:56,976
And they left behind
this member --

19

00:00:56,976 --> 00:01:01,736
this 6 member crew that you see
under command of Oleg Kotov,

20

00:01:01,786 --> 00:01:04,446
Russian cosmonaut,
as a commander

21

00:01:04,446 --> 00:01:08,506
of Expedition 38 now aboard the
International Space Station.

22

00:01:08,876 --> 00:01:11,666

He's joined by Sergey
Ryazanskiy,

23

00:01:11,666 --> 00:01:14,356

and U.S. astronaut
Mike Hopkins there

24

00:01:14,356 --> 00:01:17,176

on the right side
of the crew logo.

25

00:01:17,456 --> 00:01:21,966

On the left side, the 3 newest
arrival crew members having

26

00:01:21,966 --> 00:01:24,286

arrived just a few days ago.

27

00:01:24,286 --> 00:01:26,006

Six days in fact.

28

00:01:26,356 --> 00:01:28,856

Mikhail Tyurin, Rick
Mastracchio,

29

00:01:28,856 --> 00:01:32,486

and Koichi Wakata
representing the Japan Aerospace

30

00:01:32,486 --> 00:01:34,096

Exploration Agency.

31

00:01:34,096 --> 00:01:37,006

So a multinational
crew that makes

32

00:01:37,006 --> 00:01:39,096

up 6 crew members
aboard the station.

33

00:01:39,896 --> 00:01:42,186

Three crew members have
been there 48 days.

34

00:01:42,566 --> 00:01:44,406

The newest 3, six days now.

35

00:01:44,846 --> 00:01:49,096

And then inside the U.S.
laboratory as crew members,

36

00:01:49,096 --> 00:01:52,216

the 3 newest crew emmbers spend
some time throughout their day

37

00:01:52,596 --> 00:01:56,716

acclimating themselves to
the new environment of living

38

00:01:56,756 --> 00:01:59,336

in space rather than
just visiting

39

00:01:59,336 --> 00:02:00,866

for short duration missions.

40

00:02:01,666 --> 00:02:04,716

You see Mike Hopkins
and Rick Mastracchio.

41

00:02:04,716 --> 00:02:07,626

They are working
directly with the ground

42

00:02:07,876 --> 00:02:11,156

on the water recovery
management system.

43

00:02:11,186 --> 00:02:13,476

The [inaudible] a
pumping system as part

44

00:02:13,476 --> 00:02:16,606

of that elaborate intricate
environmental control

45

00:02:16,606 --> 00:02:19,386

and life support system of the
International Space Station.

46

00:02:19,386 --> 00:02:22,186

It's not malfunctioning.

47

00:02:22,186 --> 00:02:24,326

They are basically
in the process

48

00:02:24,326 --> 00:02:28,076

of activating a high flow fluid
transfer pump that's designed

49

00:02:28,076 --> 00:02:33,086

to transfer fluid from -- to
the waste water bus system.

50

00:02:33,766 --> 00:02:35,666

Power's provided
from one of the --

51

00:02:35,906 --> 00:02:39,316

what's known as express
racks aboard the station.

52

00:02:39,896 --> 00:02:45,896

And so they've been working with
that for a short period of time

53

00:02:45,896 --> 00:02:49,396

in the second half of their
day aboard the station.

54

00:02:49,496 --> 00:02:52,556

This is in the laboratory
of the --

55

00:02:52,556 --> 00:02:55,726

or actually a little further
back than the laboratory

56

00:02:55,976 --> 00:02:59,226

in the harmony module of the
International Space Station just

57

00:02:59,226 --> 00:03:04,306

where the connecting point
to the European laboratory,

58

00:03:04,306 --> 00:03:08,246

Columbus, and the Japanese
laboratory, Kibo is located.

59

00:03:08,246 --> 00:03:10,486

In the far distance,
you see stowage bags

60

00:03:10,486 --> 00:03:13,936

against what is known as a
pressurized mating adapter.

61

00:03:14,396 --> 00:03:18,736

That is -- basically a docking
port that's currently not

62

00:03:18,736 --> 00:03:21,846

required for any
visiting vehicle traffic.

63

00:03:23,136 --> 00:03:29,886

The 6 crew members of Expedition 38 are in great shape

64

00:03:29,886 --> 00:03:34,346

and they have been working since midnight U.S. Central Time.

65

00:03:34,346 --> 00:03:35,946

And they'll go to bed about 3:30

66

00:03:35,946 --> 00:03:39,256

in the afternoon Central Time as well.

67

00:03:39,736 --> 00:03:42,986

Throughout the day, the crew members divide and conquer

68

00:03:42,986 --> 00:03:47,006

with some experimental work, some adaptation training

69

00:03:47,006 --> 00:03:49,786

for getting acclimated to their new environment.

70

00:03:50,276 --> 00:03:55,226

And obviously conducting some daily planning conferences

71

00:03:55,226 --> 00:03:58,986

with the ground and their routine exercise plans

72

00:03:59,316 --> 00:04:02,096

as they get well acquainted one another