

INTERNATIONAL SPACE STATION
EXPEDITION 34



OLEG NOVITSKIY
Flight Engineer



EVGENY TARELKIN
Flight Engineer



ROMAN ROMANENKO
Flight Engineer

1
00:00:01,376 --> 00:00:04,126
Good morning from Mission
Control Houston and welcome

2
00:00:04,126 --> 00:00:06,336
to today's International
Space Station Update.

3
00:00:06,856 --> 00:00:09,756
Joining us here inside of the
flight control room in Houston,

4
00:00:09,756 --> 00:00:11,936
Texas, where the orbit
two team is currently

5
00:00:11,936 --> 00:00:14,336
on console monitoring
this orbiting laboratory.

6
00:00:15,356 --> 00:00:18,096
Team today being led by
Flight Director Paul Dye there

7
00:00:18,096 --> 00:00:19,756
in the blue shirt, joining him

8
00:00:19,756 --> 00:00:22,206
at the Capcom position
is John Mackin serving

9
00:00:22,206 --> 00:00:24,966
as the communication link
between all the controllers here

10
00:00:24,966 --> 00:00:27,566
on the ground and the
astronauts up in space.

11

00:00:28,296 --> 00:00:31,236

And those astronauts
right now are the crew

12

00:00:31,236 --> 00:00:34,826

of Expedition 34 currently
in a six-man rotation.

13

00:00:34,826 --> 00:00:38,706

They're being led by NASA
astronaut Kevin Ford currently

14

00:00:38,706 --> 00:00:40,126

on his second spaceflight.

15

00:00:41,296 --> 00:00:43,296

He's there on the
front row on the left

16

00:00:43,296 --> 00:00:46,046

and right behind him are two
Russian cosmonauts who flew

17

00:00:46,046 --> 00:00:50,416

up with him on a Soyuz TMA-06M
spacecraft back in October.

18

00:00:50,826 --> 00:00:54,056

They are Russian cosmonauts Oleg
Novitskiy and Evgeny Tarelkin,

19

00:00:54,376 --> 00:00:55,636

both rookie space fliers.

20

00:00:56,056 --> 00:00:58,306

On the right side, we have
our three newest crew members

21

00:00:58,306 --> 00:01:00,106

onboard the International

Space Station

22

00:01:00,106 --> 00:01:02,206

who docked back on December 21.

23

00:01:02,956 --> 00:01:06,536

They are Roman Romanenko
on his second spaceflight,

24

00:01:06,536 --> 00:01:09,286

second long-duration Expedition
onboard the International

25

00:01:09,286 --> 00:01:09,926

Space Station.

26

00:01:10,446 --> 00:01:14,016

Also in the front row there's
Canadian astronaut Chris

27

00:01:14,176 --> 00:01:16,726

Hadfield on his third
spaceflight, a veteran.

28

00:01:17,186 --> 00:01:18,586

And then all the way
on the right there,

29

00:01:18,586 --> 00:01:22,846

NASA astronaut Tom Marshburn
rounding out this crew of six.

30

00:01:23,716 --> 00:01:27,346

Fairly light day for the
astronauts onboard today.

31

00:01:27,766 --> 00:01:30,736

Expedition 34 Commander Kevin
Ford was checking out some

32

00:01:30,736 --> 00:01:33,776
of the relief valves
inside of the clean bench.

33

00:01:33,806 --> 00:01:36,066
It's one of the experiment
facilities inside

34

00:01:36,066 --> 00:01:38,066
of the Japanese Kibo module.

35

00:01:38,406 --> 00:01:40,266
Kibo being the Japanese
word for "hope".

36

00:01:40,786 --> 00:01:43,216
He will also be holding a
conference a little bit later

37

00:01:43,216 --> 00:01:47,076
in the day today with a fellow
NASA astronaut Chris Cassidy

38

00:01:47,076 --> 00:01:50,466
who's slated to launch with
the crew of Expedition 35

39

00:01:50,466 --> 00:01:54,096
and 36 a little bit later
this year on March 28.

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00:01:54,866 --> 00:01:57,606
Meanwhile, our three Russian
cosmonauts Oleg Novitskiy,

41

00:01:57,606 --> 00:02:01,746
Evgeny Tarelkin and Roman
Romanenko enjoying a day off

42

00:02:01,806 --> 00:02:04,246
today, off-duty day
for Russian Christmas.

43
00:02:04,816 --> 00:02:09,016
They were given some free time
and they're celebrating onboard.

44
00:02:10,986 --> 00:02:12,596
Moving on with the
rest of our crew,

45
00:02:12,596 --> 00:02:15,766
Canadian Chris Hadfield was
collecting some biological

46
00:02:15,766 --> 00:02:17,816
samples for the Human
Research Facility

47
00:02:18,126 --> 00:02:20,406
and then storing them
side of the MELFI,

48
00:02:20,406 --> 00:02:23,306
which is the Minus 80
Degree Laboratory Freezer.

49
00:02:23,616 --> 00:02:26,496
It's used to store a
number of biological samples

50
00:02:26,496 --> 00:02:29,846
and different experiment samples
at cryogenic temperatures

51
00:02:29,846 --> 00:02:31,326
in order to preserve them

52
00:02:31,326 --> 00:02:32,776

until they're eventually
transferred back

53

00:02:32,776 --> 00:02:33,746
down to the ground.

54

00:02:34,296 --> 00:02:37,136
He was also doing a
periodic health status check

55

00:02:37,646 --> 00:02:41,056
on these biological samples
and health status checks done

56

00:02:41,056 --> 00:02:42,586
as part of the human research

57

00:02:42,896 --> 00:02:44,986
that goes onboard the
International Space Station

58

00:02:44,986 --> 00:02:48,456
as we continue to look at just
how spaceflight affects the

59

00:02:48,456 --> 00:02:51,206
human body over long
durations of time in order

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00:02:51,206 --> 00:02:53,036
to better preserve
and combat any

61

00:02:53,036 --> 00:02:54,836
of the negative effects
of weightlessness.

62

00:02:55,516 --> 00:02:57,666
Our final crew member
Tom Marshburn,

63

00:02:57,666 --> 00:02:59,046
also a NASA astronaut,

64

00:02:59,636 --> 00:03:02,776
was working alongside Hadfield
today collecting some biological

65

00:03:02,776 --> 00:03:05,516
samples of his own and
storing in that MELFI freezer.

66

00:03:05,976 --> 00:03:09,346
He's also doing a, what's
known as a Reaction Self Test.

67

00:03:09,636 --> 00:03:12,566
He'll do a number of these
throughout his increment onboard

68

00:03:12,566 --> 00:03:14,906
the International Space
Station as they continue

69

00:03:14,906 --> 00:03:16,316
to moderate changes

70

00:03:16,316 --> 00:03:19,536
in his reaction times
and of mental acuity.

71

00:03:20,026 --> 00:03:23,346
Again just part of the ongoing
research onboard the station

72

00:03:23,646 --> 00:03:26,656
as we continue to look at how
it affects the human body.

73

00:03:27,436 --> 00:03:30,436

And also one last task - a
little bit later today some

74

00:03:30,436 --> 00:03:31,536

of the ground controllers here

75

00:03:31,536 --> 00:03:35,366

in Houston will be maneuvering
the station's robotic arm,

76

00:03:35,366 --> 00:03:39,796

Canadarm2, in order to shade
the Alpha Magnetic Spectrometer

77

00:03:39,796 --> 00:03:41,476

onboard the International
Space Station.

78

00:03:42,096 --> 00:03:44,826

This being done as the
station flies into what's known

79

00:03:44,826 --> 00:03:48,476

as a period of high beta angle
where the sun presents some