



1
00:00:01,596 --> 00:00:04,716
Good Tuesday morning from the
NASA's Johnson Space Center

2
00:00:04,716 --> 00:00:05,266
in Houston.

3
00:00:05,266 --> 00:00:06,926
This is Mission Control Houston.

4
00:00:07,476 --> 00:00:07,916
You're looking

5
00:00:07,916 --> 00:00:10,416
at the International Space
Station Flight Control Room.

6
00:00:10,416 --> 00:00:13,526
From the front corner of the
room looking over the shoulders

7
00:00:13,526 --> 00:00:14,906
and over the front

8
00:00:14,906 --> 00:00:18,006
of the consoles a control
team is watching over all

9
00:00:18,006 --> 00:00:20,966
of the space station systems
aboard the International

10
00:00:20,966 --> 00:00:21,806
Space Station.

11
00:00:22,296 --> 00:00:27,206
The team of flight controllers
here in Houston has been

12

00:00:27,206 --> 00:00:29,056

on console since
early this morning.

13

00:00:29,406 --> 00:00:32,266

They are part of a three
team complement that watches

14

00:00:32,266 --> 00:00:35,756

over station crew and
systems around the clock,

15

00:00:36,246 --> 00:00:39,116

24 hours a day, 365 days a year.

16

00:00:40,086 --> 00:00:44,206

The team once again is led by
Flight Director Emily Nelson.

17

00:00:44,236 --> 00:00:48,536

She is in the beige sweater
overseeing this team once again

18

00:00:48,536 --> 00:00:50,796

today and she's joined
also again

19

00:00:50,796 --> 00:00:54,936

by Kristy Bertels who's handling
the voice communications link

20

00:00:54,966 --> 00:00:57,956

between the flight control
team here in Houston

21

00:00:58,386 --> 00:01:01,266

and the Expedition 32 crew
aboard the International

22

00:01:01,266 --> 00:01:02,146
Space Station.

23

00:01:02,616 --> 00:01:05,276
The International Space
Station just about to move

24

00:01:05,276 --> 00:01:09,306
into an orbital sunrise
high above the South Pacific

25

00:01:09,726 --> 00:01:13,386
on a northeasterly track
that will take it shortly

26

00:01:13,386 --> 00:01:17,386
across the Central
America region all the way

27

00:01:17,386 --> 00:01:20,876
across the Gulf of Mexico
and then skirting straight

28

00:01:20,876 --> 00:01:24,466
up the East Coast of the United
States heading out over the Gulf

29

00:01:24,466 --> 00:01:29,046
of Lawrence in Canada
over the North Atlantic

30

00:01:29,046 --> 00:01:31,316
and then another
coastal crossing

31

00:01:31,316 --> 00:01:34,426
as it crosses the coast
of France and Europe.

32

00:01:35,006 --> 00:01:39,566

From this vantage point
250 miles above the Earth,

33

00:01:40,006 --> 00:01:42,656

the station circles the
Earth every 92 minutes,

34

00:01:43,236 --> 00:01:48,166

circling the Earth at
that distance 17,000 mph

35

00:01:48,166 --> 00:01:51,836

about 5 miles per second
offering an orbital sunrise

36

00:01:51,836 --> 00:01:55,806

and sunset to the crew
onboard about every 45 minutes.

37

00:01:57,126 --> 00:01:59,906

That crew aboard the
International Space Station now

38

00:01:59,906 --> 00:02:04,536

in its 48th day aboard the
complex and 50 days now

39

00:02:04,536 --> 00:02:06,696

in space is comprised

40

00:02:06,696 --> 00:02:09,326

of Commander Gennady Padalka
you see there in the center

41

00:02:09,326 --> 00:02:13,576

of the picture; a flight
engineer number two aboard the

42

00:02:13,576 --> 00:02:16,516

station Sergei Revin in

the left in this view;

43

00:02:16,516 --> 00:02:19,176

and then on the right is
U.S. astronaut Joe Acaba.

44

00:02:19,586 --> 00:02:21,806

Acaba is on his second
flight into space

45

00:02:21,836 --> 00:02:23,736

but his first long-duration
mission.

46

00:02:24,156 --> 00:02:27,906

He flew on the STS-119
space shuttle flight.

47

00:02:28,546 --> 00:02:31,596

Sergei Revin is on his
first flight into space

48

00:02:31,666 --> 00:02:35,596

and Gennady Padalka
on his fourth mission.

49

00:02:35,966 --> 00:02:39,836

He's flown on two
long-duration spaceflights.

50

00:02:39,836 --> 00:02:43,916

This is actually his third
and his fourth as commander.

51

00:02:43,916 --> 00:02:45,026

He's been, he's served

52

00:02:45,026 --> 00:02:47,646

as commander all four
missions that he has been on.

53

00:02:47,646 --> 00:02:50,766

His first was aboard the
Russian space station Mir.

54

00:02:52,066 --> 00:02:54,086

The crew today has
worked with experiments

55

00:02:54,086 --> 00:02:56,536

and conducted household
chores and exercise

56

00:02:56,536 --> 00:02:59,496

and long-distance calls
with ground-based doctors

57

00:02:59,496 --> 00:03:01,536

for their routine checkups.

58

00:03:01,626 --> 00:03:03,206

Commander Gennady Padalka

59

00:03:03,206 --> 00:03:06,676

and Sergei Revin performed
a morning inspection

60

00:03:06,676 --> 00:03:08,586

around the station
after their wakeup.

61

00:03:08,886 --> 00:03:10,276

They've also tested the caution

62

00:03:10,276 --> 00:03:13,906

and warning panels inside
the Zvezda service module.

63

00:03:14,306 --> 00:03:17,166

Revin has performed a
periodic virus scan on some

64

00:03:17,166 --> 00:03:20,776
of the auxiliary computer
system laptops and he's provided

65

00:03:21,146 --> 00:03:24,036
that status back to flight
controllers in Moscow.

66

00:03:24,576 --> 00:03:28,046
Acaba has focused his day
on a couple of experiments:

67

00:03:28,046 --> 00:03:29,176
The Burning and Suppression

68

00:03:29,176 --> 00:03:31,366
of Solids experiment,
known as BASS.

69

00:03:31,786 --> 00:03:36,396
He's also worked with the Binary
Colloid Alloy Test experiment

70

00:03:36,826 --> 00:03:40,376
and also worked with
inspection and downlink

71

00:03:40,376 --> 00:03:43,766
of photographs associated with
the resistive exercise device,

72

00:03:43,766 --> 00:03:48,266
one of the various exercise
equipment complements aboard the

73

00:03:48,266 --> 00:03:49,826
International Space Station.

74

00:03:50,816 --> 00:03:54,326

Tomorrow, Wednesday the crew is scheduled to be off-duty.

75

00:03:54,666 --> 00:03:57,756

They'll spend the day monitoring experiments where needed

76

00:03:57,756 --> 00:04:00,646

and they'll also have an opportunity to talk

77

00:04:00,646 --> 00:04:02,096

with their families as well.

78

00:04:02,786 --> 00:04:04,616

Meanwhile, at the Baikonur Cosmodrome

79

00:04:04,616 --> 00:04:08,376

in Kazakhstan three other crew members are preparing

80

00:04:08,566 --> 00:04:10,766

for their launch to the space station.

81

00:04:11,276 --> 00:04:13,376

U.S. astronaut Suni Williamson

82

00:04:13,376 --> 00:04:18,126

and Japanese Aerospace Exploration Agency astronaut Aki

83

00:04:18,466 --> 00:04:21,316

Hoshide will launch along

84

00:04:21,316 --> 00:04:25,746

with Soyuz TMA-05M
Commander Yuri Malenchenko

85

00:04:25,746 --> 00:04:30,496
from the Baikonur Cosmodrome
a little bit later this month.

86

00:04:30,856 --> 00:04:33,236
They have performed
suit fit checks

87

00:04:33,236 --> 00:04:36,606
at the integration
facility at Baikonur as part

88

00:04:36,606 --> 00:04:39,026
of their prelaunch preparations.

89

00:04:39,536 --> 00:04:42,756
So a busy day for the
crew onboard today,

90

00:04:43,096 --> 00:04:47,036
a day off tomorrow as
their three colleagues