
VOICE OF
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JOHNSON SPACE CENTER, HOUSTON, TX

1
00:00:01,456 --> 00:00:02,286
Good morning.

2
00:00:02,286 --> 00:00:03,636
This is Mission Control,
Houston.

3
00:00:03,636 --> 00:00:06,066
Welcome and thank you for
joining us for today's edition

4
00:00:06,066 --> 00:00:09,586
of ISS Update this
Thursday, August 9.

5
00:00:09,966 --> 00:00:14,316
For those of you joining
us now, we're coming

6
00:00:14,316 --> 00:00:16,766
to you live inside the
International Space Station

7
00:00:16,766 --> 00:00:19,586
flight control room where the
team has been monitoring the

8
00:00:19,646 --> 00:00:22,226
systems and the crew's
activities aboard the

9
00:00:23,296 --> 00:00:24,406
International Space Station.

10
00:00:24,406 --> 00:00:26,726
This is the crew
of Expedition 32.

11
00:00:27,626 --> 00:00:29,216

Leading the Orbit Two team here

12
00:00:29,216 --> 00:00:32,246
in the station flight control
room today is Flight Director

13
00:00:32,676 --> 00:00:36,656
Greg Whitney, seen
standing here in this...

14
00:00:37,016 --> 00:00:41,706
seen in the blue shirt, and next
to him is Capcom Anna Fisher,

15
00:00:41,706 --> 00:00:46,326
who is relaying all ground
messages up to the crew.

16
00:00:46,326 --> 00:00:50,166
Meanwhile, the six crew members
aboard the station include

17
00:00:50,226 --> 00:00:53,086
Russian cosmonaut and commander
of the complex Gennady Padalka

18
00:00:53,086 --> 00:00:55,746
and flight engineers
cosmonaut Sergei Revin

19
00:00:55,776 --> 00:00:58,246
and NASA astronaut Joe Acaba,

20
00:00:58,246 --> 00:01:00,096
shown here on the
right-hand side.

21
00:01:01,376 --> 00:01:03,156
Padalka, Revin and
Acaba had launched

22
00:01:03,156 --> 00:01:05,586
to the orbiting complex
aboard their Soyuz spacecraft

23
00:01:05,586 --> 00:01:08,226
as the Expedition
31 crew in May.

24
00:01:08,926 --> 00:01:11,196
Their vehicle docked
to the Poisk module

25
00:01:11,196 --> 00:01:14,006
of the space station two days
after their launch on May 14,

26
00:01:14,626 --> 00:01:17,686
and today they will complete
their 88th consecutive day

27
00:01:17,686 --> 00:01:18,416
in space.

28
00:01:20,936 --> 00:01:21,876
Joining them there

29
00:01:21,876 --> 00:01:26,066
on the left-hand side is
cosmonaut Yuri Malenchenko,

30
00:01:26,316 --> 00:01:29,956
NASA astronaut Suni Williams and
Japanese astronaut Aki Hoshide.

31
00:01:31,056 --> 00:01:33,266
Malenchenko, Williams
and Hoshide arrived

32

00:01:33,266 --> 00:01:34,506
at the International
Space Station

33
00:01:34,506 --> 00:01:36,256
after docking their
Soyuz spacecraft

34
00:01:36,256 --> 00:01:38,906
to the Rassvet module
on July 16.

35
00:01:39,296 --> 00:01:41,536
They're now in the middle of
their fourth week in space.

36
00:01:46,216 --> 00:01:50,606
The space station with its crew
aboard is flying at an altitude

37
00:01:50,606 --> 00:01:53,076
of about 250 statute miles.

38
00:01:58,716 --> 00:02:03,036
The orbiting facility
is on an Eastern track.

39
00:02:03,036 --> 00:02:06,316
It had just come across the
southern tip of Brazil and is

40
00:02:06,316 --> 00:02:08,896
about to swing a
northeastern track

41
00:02:09,006 --> 00:02:11,076
across the South Atlantic Ocean

42
00:02:11,536 --> 00:02:14,356
for an eventual pass

over Africa.

43
00:02:22,586 --> 00:02:27,256
The Expedition 32 crew kicked
off their day early this morning

44
00:02:27,676 --> 00:02:29,046
at 1 a.m. Central time.

45
00:02:29,426 --> 00:02:31,526
They followed that by the first

46
00:02:31,526 --> 00:02:33,326
of their two daily
planning conferences

47
00:02:33,326 --> 00:02:35,386
with ground controllers
at mission control centers

48
00:02:35,386 --> 00:02:37,886
around the world to
review today's activities.

49
00:02:41,606 --> 00:02:43,426
Today aboard the
orbiting complex,

50
00:02:43,456 --> 00:02:46,046
more robotics work
takes center stage

51
00:02:47,316 --> 00:02:49,226
as flight engineers Joe Acaba

52
00:02:49,226 --> 00:02:53,326
and Aki Hoshide work together
using the Japanese robotic arm,

53

00:02:53,326 --> 00:02:55,786
also known as the Remote
Manipulator System,

54
00:02:55,786 --> 00:02:59,306
that is anchored at the Japanese
Experiment Module, or Kibo,

55
00:03:00,236 --> 00:03:04,056
to unberth the Multi-mission
Consolidated Equipment

56
00:03:04,426 --> 00:03:06,776
from the Exposed
Palette and install it

57
00:03:06,776 --> 00:03:08,886
to the Exposed Facility
Unit number eight

58
00:03:09,426 --> 00:03:12,286
of the Japanese Experiment
Module's Exposed Facility.

59
00:03:12,836 --> 00:03:16,006
Just before today's update hour,

60
00:03:16,006 --> 00:03:19,426
Acaba and Flight Engineer Suni
Williams reviewed robotics

61
00:03:19,496 --> 00:03:23,426
procedures in advance of
tomorrow's work to return

62
00:03:23,426 --> 00:03:24,836
that Exposed Palette back

63
00:03:24,836 --> 00:03:28,056
into the Japanese HTV3,

the cargo vehicle.

64
00:03:30,976 --> 00:03:36,046
Then Williams and Flight
Engineers Malenchenko

65
00:03:36,046 --> 00:03:39,426
and Hoshide will have a medical
contingency drill a little

66
00:03:39,426 --> 00:03:40,166
after the hour.

67
00:03:41,246 --> 00:03:43,326
Williams also will spend
some time with science.

68
00:03:43,586 --> 00:03:46,596
She'll work with the Commercial
Generic Bioprocessing Apparatus.

69
00:03:46,666 --> 00:03:48,856
This is a small research
facility that is used

70
00:03:48,856 --> 00:03:50,316
for biological experiments.

71
00:03:51,466 --> 00:03:55,276
Williams is working with the
six YouTube Space Lab Group

72
00:03:55,276 --> 00:03:56,846
Activation Pack experiments.

73
00:03:58,696 --> 00:04:01,726
She will also then
work on the Burning

74

00:04:01,726 --> 00:04:03,556
And Suppression of
Solids experiment.

75
00:04:04,016 --> 00:04:06,156
This experiment examines
the burning

76
00:04:06,156 --> 00:04:11,396
and extinction characteristics
of a wide variety fuel samples

77
00:04:12,056 --> 00:04:18,446
in the environment
of microgravity.

78
00:04:18,596 --> 00:04:22,326
Acaba, Williams and Hoshide will
conduct visual testing prior

79
00:04:22,326 --> 00:04:26,266
to complete eye exams that
are scheduled later next week.

80
00:04:27,076 --> 00:04:30,736
Acaba is currently working
to clean filters of bacteria

81
00:04:30,736 --> 00:04:34,606
within nodes 1, 2 and 3,
also known as the Unity,

82
00:04:34,606 --> 00:04:35,816
Harmony and Tranquility.

83
00:04:37,456 --> 00:04:40,956
And earlier this morning flight
engineer Japanese astronaut Aki

84
00:04:40,956 --> 00:04:43,836

Hoshide took some
time out to talk

85
00:04:43,836 --> 00:04:46,556
with the Japanese Young
Astronauts Club in Tokyo.

86
00:04:48,846 --> 00:04:50,796
And also today marks
a special day

87
00:04:50,856 --> 00:04:53,636
for an honorary crew member
aboard the space station,

88
00:04:54,576 --> 00:04:57,326
Smokey the Bear,
who turns 68 today.

89
00:04:57,996 --> 00:04:59,566
Flight Engineer Joe
Acaba brought

90
00:04:59,566 --> 00:05:03,546
up a small plush Smokey Bear,
seen here in this picture.

91
00:05:04,386 --> 00:05:08,146
He had served as the zero-g
indicator aboard the Soyuz

92
00:05:08,146 --> 00:05:09,696
spacecraft that carried him

93
00:05:09,696 --> 00:05:11,856
up to the International
Space Station back in May.

94
00:05:12,326 --> 00:05:15,656
The space station serves as a

platform for studying Earth,

95
00:05:15,876 --> 00:05:19,556
natural, and man-made changes,
including the devastation

96
00:05:19,556 --> 00:05:22,636
of forest fires or
wild land fires.

97
00:05:23,196 --> 00:05:25,626
Smokey also serves as a
way to raise awareness

98
00:05:25,626 --> 00:05:27,806
about fire prevention
and fire safety.

99
00:05:28,276 --> 00:05:30,156
We'll be talking
with Jeff Miller

100
00:05:30,156 --> 00:05:33,026
of the U.S. Forest Service
about its partnership with NASA

101
00:05:33,026 --> 00:05:35,256
in a few minutes here in
Mission Control, Houston.

102
00:05:35,716 --> 00:05:38,816
And meanwhile aboard
the orbiting laboratory,

103
00:05:38,866 --> 00:05:42,096
each crew member will have
completed their daily two hours

104
00:05:42,096 --> 00:05:44,636
of exercise to help

mitigate the negative effects

105
00:05:44,636 --> 00:05:46,996
of long-duration
spaceflight on their bodies

106
00:05:47,456 --> 00:05:49,236
and also maintain
their physical health.

107
00:05:49,656 --> 00:05:52,186
They will do some prep
work for the next day,

108
00:05:52,976 --> 00:05:55,816
participate in their second
daily planning conference before

109
00:05:55,816 --> 00:05:58,536
the evening meals and
that pre-sleep period.

110
00:05:58,966 --> 00:06:02,846
The crew is then scheduled go to
sleep at 4:30 p.m. Central time.