
VOICE OF
Brandi Dean
JOHNSON SPACE CENTER, HOUSTON, TX

1
00:00:01,856 --> 00:00:03,936
Good morning and welcome
to Mission Control Houston

2
00:00:03,936 --> 00:00:05,806
and the International
Space Station Update.

3
00:00:06,396 --> 00:00:09,146
We're here in the International
Space Station Flight Control

4
00:00:09,146 --> 00:00:14,196
Room with the flight control
team inside the Mission Control

5
00:00:14,196 --> 00:00:14,986
Center in Houston.

6
00:00:15,536 --> 00:00:18,446
And leading the team today is
Flight Director Royce Renfrew.

7
00:00:18,706 --> 00:00:19,796
You can see him here.

8
00:00:19,796 --> 00:00:22,626
He is currently working
without a Capcom

9
00:00:23,106 --> 00:00:25,146
as today is a partial
off-duty day

10
00:00:25,146 --> 00:00:27,686
for the crew onboard the
International Space Station.

11
00:00:28,916 --> 00:00:33,376

Six astronauts that make up
the Expedition 33 crew are

12
00:00:33,376 --> 00:00:37,266
about halfway through
their day which began

13
00:00:37,266 --> 00:00:38,876
at 1 a.m. Central time.

14
00:00:40,386 --> 00:00:43,466
And as I said they're enjoying
a well-earned partial day off

15
00:00:43,466 --> 00:00:46,026
after a busy week last
week, busy weekend

16
00:00:46,476 --> 00:00:47,426
and a busy week ahead.

17
00:00:48,076 --> 00:00:50,646
Commander Suni Williams and
Flight Engineers Kevin Ford,

18
00:00:51,246 --> 00:00:55,086
Aki Hoshide, Yuri
Malenchenko, Oleg Novitskiy

19
00:00:55,086 --> 00:01:00,926
and Evgeny Tarelkin are more
than halfway through their day

20
00:01:01,296 --> 00:01:03,216
which started again
at 1 a.m. Central.

21
00:01:04,046 --> 00:01:07,206
For Williams and Russian
cosmonaut Malenchenko

22
00:01:07,206 --> 00:01:11,916
and Japanese astronaut Hoshide
it's their 107th day in space

23
00:01:11,916 --> 00:01:14,376
and 105th at the
International Space Station.

24
00:01:14,916 --> 00:01:17,726
They launched from Baikonur
in July and are almost

25
00:01:17,726 --> 00:01:18,826
to the end of their stay.

26
00:01:18,936 --> 00:01:21,196
They are scheduled to return
home on November 18th.

27
00:01:24,556 --> 00:01:27,136
Their crewmates Ford
and cosmonaut...

28
00:01:27,826 --> 00:01:29,216
cosmonauts Novitskiy

29
00:01:29,216 --> 00:01:33,516
and Tarelkin are much more
recent arrivals having launched

30
00:01:33,516 --> 00:01:36,046
on Tuesday and docked with
the space station on Thursday.

31
00:01:36,636 --> 00:01:37,896
They are on their
seventh day in space

32

00:01:37,896 --> 00:01:39,366
and their fifth at
the space station.

33
00:01:39,746 --> 00:01:41,646
They're planning to
stick around until March.

34
00:01:44,156 --> 00:01:48,746
They crew is currently
flying 261 miles

35
00:01:49,246 --> 00:01:51,836
above the Pacific Ocean on a
course that's going to take them

36
00:01:51,836 --> 00:01:54,186
over Central America
in just a few moments.

37
00:01:55,766 --> 00:01:58,806
As I mentioned, last
week was a busy one

38
00:01:58,806 --> 00:02:01,136
for the station crew
besides the arrival

39
00:02:01,136 --> 00:02:04,216
of half the crew they also spent
their Sunday saying goodbye

40
00:02:04,216 --> 00:02:05,896
to the SpaceX Dragon capsule

41
00:02:06,696 --> 00:02:12,296
which brought NASA's first
contracted cargo delivery.

42
00:02:12,956 --> 00:02:16,216

It was undocked from the Harmony
node using the Canadarm2,

43
00:02:16,216 --> 00:02:19,296
the space station's robotic
arm, and then released

44
00:02:19,296 --> 00:02:21,916
at 8:29 a.m. Central
for its return to Earth.

45
00:02:22,566 --> 00:02:24,646
It splashed down successfully
in the Pacific Ocean

46
00:02:24,646 --> 00:02:27,846
at 2:22 p.m. Central time
bringing with it a load

47
00:02:27,846 --> 00:02:32,286
of scientific supplies unlike
all the other cargo crew ships

48
00:02:32,286 --> 00:02:33,976
which currently visit
the space station.

49
00:02:34,396 --> 00:02:36,946
Those are allowed to burn
up in the Earth's atmosphere

50
00:02:36,946 --> 00:02:37,976
when their missions are over.

51
00:02:38,576 --> 00:02:43,956
The crew that saw the
Dragon off won't be resting

52
00:02:43,956 --> 00:02:45,256
on their laurels however.

53
00:02:45,466 --> 00:02:48,006
And though today and tomorrow
are technically off days

54
00:02:48,006 --> 00:02:49,806
for them they're
staying fairly busy.

55
00:02:49,956 --> 00:02:52,096
Williams and Ford are
both spending some time

56
00:02:52,516 --> 00:02:54,796
with the Reversible
Figures experiment today.

57
00:02:55,186 --> 00:02:56,416
That looks at how living

58
00:02:56,416 --> 00:02:59,136
in microgravity affects
astronauts' visual perception.

59
00:02:59,616 --> 00:03:01,066
And Ford is also doing some work

60
00:03:01,066 --> 00:03:04,186
with the Italian Space
Agency's Elite-S2 experiment

61
00:03:04,186 --> 00:03:06,516
which investigates the
connection between brain,

62
00:03:06,896 --> 00:03:09,516
visualization and motion
in the absence of gravity.

63

00:03:10,016 --> 00:03:15,426
Meanwhile, Aki Hoshide is
getting some additional new crew

64
00:03:15,426 --> 00:03:17,726
members settled following
their arrival on Thursday.

65
00:03:17,726 --> 00:03:19,506
Besides, Ford, Novitskiy

66
00:03:19,506 --> 00:03:24,306
and Tarelkin the Soyuz TMA-06M
also delivered eight freshwater

67
00:03:24,426 --> 00:03:26,466
fish bound for the
Aquatic Habitat brought

68
00:03:26,466 --> 00:03:28,656
up on the last Japanese
H-2 Transfer Vehicle

69
00:03:28,656 --> 00:03:29,196
over the summer.

70
00:03:30,346 --> 00:03:32,616
Hoshide moved the fish
into the habitat today

71
00:03:32,616 --> 00:03:35,076
where they'll be used as another
way to observe how living

72
00:03:35,076 --> 00:03:36,396
in space affects vertebrates.

73
00:03:37,116 --> 00:03:42,266
The crew will be receiving
another cargo delivery

74
00:03:42,266 --> 00:03:45,426
on Wednesday when the Progress
49 resupply vehicle arrives.

75
00:03:45,686 --> 00:03:47,876
It'll be launching from
the Baikonur Cosmodrome

76
00:03:47,876 --> 00:03:50,596
in Kazakhstan at 2:41
a.m. Central time

77
00:03:50,596 --> 00:03:53,806
and then forgoing the usual two
day catch-up for a rendezvous

78
00:03:53,806 --> 00:03:56,406
that same day at 8:40
a.m. Central time.

79
00:04:00,576 --> 00:04:02,636
And then they'll follow
that busy day with

80
00:04:02,636 --> 00:04:04,906
yet another busy day
when Suni Williams

81
00:04:04,906 --> 00:04:08,636
and Aki Hoshide head outside the
space station for a spacewalk

82
00:04:08,636 --> 00:04:10,496
to repair an ammonia leak on one

83
00:04:10,496 --> 00:04:12,396
of the station's
port-side radiators.

84
00:04:12,436 --> 00:04:16,036
The spacewalk is scheduled
start at 7:15 a.m. Central time

85
00:04:16,036 --> 00:04:20,266
on Thursday and NASA TV coverage
of that event will begin

86
00:04:20,266 --> 00:04:24,676
at 6:15 a.m. Throughout
all this,

87
00:04:24,676 --> 00:04:26,826
the crew is also keeping
an eye out for chances

88
00:04:26,826 --> 00:04:29,246
to catch views of
Hurricane Sandy.

89
00:04:30,216 --> 00:04:33,946
They passed over it yesterday
just after 11 a.m. Central

90
00:04:33,946 --> 00:04:36,006
and are scheduled to
go over again today

91
00:04:36,006 --> 00:04:39,656
at 10:16 a.m. for
their first pass.

92
00:04:40,106 --> 00:04:43,946
We'll be airing that view live
as we get it during the hour.

93
00:04:44,756 --> 00:04:50,056
That's what's going on in
Mission Control Houston

94
00:04:50,086 --> 00:04:52,606
and that what's going on in
the International Space Station