1
00:00:01,780 --> 00:00:04,600
Good morning from mission
control Houston and welcome

2
00:00:04,600 --> 00:00:07,630
to today's International
Space Station update.

3
00:00:07,630 --> 00:00:10,170
Joining us here inside of the
flight control room in Houston,

4
00:00:10,170 --> 00:00:11,660
Texas, the Orbit 2 team

5
00:00:11,660 --> 00:00:13,880
on console right
now monitoring each

6
00:00:13,880 --> 00:00:16,710
of their respective systems
being controlled onboard this

7
00:00:16,710 --> 00:00:18,250
orbiting laboratory.

8
00:00:18,250 --> 00:00:21,800
Today's team being led by flight
director Royce Renfrew there

9
00:00:21,800 --> 00:00:23,460
on the right and joining him

10
00:00:23,460 --> 00:00:27,310
at the capcom position veteran
astronaut Sandra Magnus,

11
00:00:27,310 --> 00:00:29,150
serving as the communication

link between all

12
00:00:29,150 --> 00:00:31,210
of our controllers
out here on the ground

13
00:00:31,210 --> 00:00:33,350
and astronauts up in space.

14
00:00:33,350 --> 00:00:37,870
The crew of Expedition 33,

15
00:00:37,870 --> 00:00:40,810
you see Commander Suni
Williams here, unpacking some

16
00:00:40,810 --> 00:00:42,650
of the cargo that
was brought up here

17
00:00:42,650 --> 00:00:44,940
on the SpaceX Dragon
capsule which docked

18
00:00:44,940 --> 00:00:47,890
to the International Space
Station yesterday morning.

19
00:00:47,890 --> 00:00:53,060
Williams will spend much
of her day today dealing

20
00:00:53,060 --> 00:00:55,040
with a few housekeeping tasks

21
00:00:55,040 --> 00:00:57,250
around International
Space Station.

22

00:00:57,250 --> 00:01:00,350
She is working on the station's
environmental health system,

23
00:01:00,350 --> 00:01:03,420
which helps to ensure these
astronauts breathing atmosphere

24
00:01:03,420 --> 00:01:08,410
and drinking waters are kept in
health shape, so she was working

25
00:01:08,410 --> 00:01:10,990
on the total organic
carbon analyzer which looks

26
00:01:10,990 --> 00:01:13,620
to track any potential
contaminants that may be

27
00:01:13,620 --> 00:01:15,390
in the astronauts
drinking water.

28
00:01:15,390 --> 00:01:17,410
She was filling out a
buffer container in there

29
00:01:17,410 --> 00:01:19,120
and also taking some
water samples

30
00:01:19,120 --> 00:01:22,050
from the astronauts
water processor assembly.

31
00:01:22,050 --> 00:01:24,230
Aside from that, she was
unloading a few items

32

00:01:24,230 --> 00:01:28,160
from the Dragon spacecraft,
unpacking the double cold bag

33
00:01:28,160 --> 00:01:29,690
and also activating some

34
00:01:29,690 --> 00:01:32,370
of the NanoRacks
experiments that have come up.

35
00:01:32,370 --> 00:01:34,710
Also transferring a few
cold storage items from one

36
00:01:34,710 --> 00:01:37,890
of the glacier freezers
onboard Dragon over to one

37
00:01:37,890 --> 00:01:40,740
of the station experimental
merlin lockers.

38
00:01:40,740 --> 00:01:42,900
She will also be doing a
few housekeeping tasks,

39
00:01:42,900 --> 00:01:45,710
cleaning some of the bacteria
filters in nodes one and three

40
00:01:45,710 --> 00:01:48,490
over in the U.S. segment,
and just a little while ago,

41
00:01:48,490 --> 00:01:51,410
wrapped up speaking to
some reporters down here

42
00:01:51,410 --> 00:01:54,890

on the ground with
ABC News and CNN.

43
00:01:54,890 --> 00:01:55,870
Also in the view there,

44
00:01:55,870 --> 00:01:58,650
you there you can see Japan
Aerospace Exploration Agency

45
00:01:58,650 --> 00:02:02,690
astronaut Aki Hoshide, who
is spending the vast majority

46
00:02:02,690 --> 00:02:04,710
of his time today
unloading some of that cargo

47
00:02:04,710 --> 00:02:06,560
from the Dragon capsule.

48
00:02:06,560 --> 00:02:09,660
He will also be on swapping out
one of the removable hard drives

49
00:02:09,660 --> 00:02:12,680
in the crystal liquids and
crystallization experiment.

50
00:02:12,680 --> 00:02:16,000
Again much of his time today
will be spent unloading some

51
00:02:16,000 --> 00:02:19,010
of the 882 pounds of
supplies that were delivered

52
00:02:19,010 --> 00:02:20,770
on the Dragon spacecraft.

53
00:02:20,770 --> 00:02:24,370
The crew will have about 18
days to unload all of the cargo

54
00:02:24,370 --> 00:02:25,890
and then move in everything

55
00:02:25,890 --> 00:02:29,220
that will be carried
back to the ground.

56
00:02:29,220 --> 00:02:32,250
With that hatch now open,
as of yesterday afternoon

57
00:02:32,250 --> 00:02:35,160
at 12:40 p.m. CT, the
crew getting right

58
00:02:35,160 --> 00:02:38,450
to work unloading all
of the items brought up.

59
00:02:38,450 --> 00:02:42,400
Our third Expedition 33 crew
member Yuri Malenchenko,

60
00:02:42,400 --> 00:02:46,710
a Russian cosmonaut, spending
his day, he is on his third day

61
00:02:46,710 --> 00:02:49,080
of the Kulonovskiy
Kristall experiment,

62
00:02:49,080 --> 00:02:52,700
which is a complex study onboard
the station that looks to look

63

00:02:52,700 --> 00:02:54,770
at the dynamic and
structural characteristics

64
00:02:54,770 --> 00:02:56,850
of crystal systems
that are formed

65
00:02:56,850 --> 00:03:00,300
when ions are stored inside
an electromagnetic trap.

66
00:03:00,300 --> 00:03:03,280
Aside from that, he will be
doing some routine cleaning work

67
00:03:03,280 --> 00:03:04,730
over on the Russian segment,

68
00:03:04,730 --> 00:03:06,610
cleaning out a few the
ventilation screens

69
00:03:06,610 --> 00:03:08,250
and dust collectors, that help

70
00:03:08,250 --> 00:03:10,880
to ensure these astronauts
breathing atmospheres are kept

71
00:03:10,880 --> 00:03:13,370
safe and healthy.

72
00:03:13,370 --> 00:03:17,250
Aside from that, the major
activity onboard the station

73
00:03:17,250 --> 00:03:21,030
this week is the arrival
of Dragon SpaceX capsule.

74
00:03:21,030 --> 00:03:24,480
This was SpaceX's first
commercial resupply mission

75
00:03:24,480 --> 00:03:25,900
to the International
Space Station.

76
00:03:25,900 --> 00:03:28,310
You can see Dragon
here, currently docked

77
00:03:28,310 --> 00:03:31,010
to the International Space
Station at the Earth-facing side

78
00:03:31,010 --> 00:03:32,070
of the Harmony module.

79
00:03:32,070 --> 00:03:34,610
It was grappled yesterday
morning,

80
00:03:34,610 --> 00:03:37,170
October 10 at about
5:56 a.m. CT.

81
00:03:37,170 --> 00:03:40,490
Berthed just a little
over two hours later

82
00:03:40,490 --> 00:03:44,850
at 8:03 a.m. Williams and
Hoshide worked rigorously

83
00:03:44,850 --> 00:03:47,100
to temove the common
berthing mechanism

84
00:03:47,100 --> 00:03:50,980
and get the hatchway open,
allowing them to unload some