



1
00:00:01,216 --> 00:00:02,876
This is Mission Control Houston.

2
00:00:02,876 --> 00:00:07,366
Welcome to today's ISS Update
for Wednesday November 2, 2011.

3
00:00:07,366 --> 00:00:11,106
You're looking at a live view inside the
International Space Station Flight Control Room

4
00:00:11,106 --> 00:00:12,296
here at the Johnson Space Center.

5
00:00:12,856 --> 00:00:14,006
This is the Orbit 2 Team.

6
00:00:14,006 --> 00:00:17,036
It is being led today by
Flight Director Dina Contella.

7
00:00:17,396 --> 00:00:18,946
There are two CAPCOMS today.

8
00:00:19,046 --> 00:00:21,416
On the far left is veteran
astronaut Shannon Lucid

9
00:00:21,866 --> 00:00:24,506
and sitting beside her is
Jeremy Hanton also serving

10
00:00:24,506 --> 00:00:26,646
as today's CAPCOM and doing some training today.

11
00:00:27,086 --> 00:00:30,556
Of course the big news of today is the
arrival of the Progress 45 cargo craft

12
00:00:30,556 --> 00:00:32,166
to the International Space Station.

13
00:00:32,166 --> 00:00:34,636
That cargo craft successfully
rendezvoused and docked

14
00:00:34,636 --> 00:00:40,046
with the International Space Station
today at 6:41 a.m. Central time.

15
00:00:40,616 --> 00:00:42,056
They've been working on getting the hatches open

16
00:00:42,056 --> 00:00:44,886
in between the International Space
Station and that cargo craft.

17
00:00:44,886 --> 00:00:48,346
They will be doing an air sampling
coming up here shortly just to make sure

18
00:00:48,346 --> 00:00:52,756
that the air inside is acceptable and then
they will begin the process of unloading

19
00:00:52,756 --> 00:00:56,926
that Progress over the next
several days and weeks taking

20
00:00:56,926 --> 00:00:59,716
out all of its 2.8 tons of supplies.

21
00:00:59,716 --> 00:01:05,406
That Progress brought up 1,653 pounds
of propellant, 110 pounds of oxygen,

22
00:01:05,696 --> 00:01:10,696
926 pounds of water and 3,108

pounds of dry cargo.

23

00:01:10,696 --> 00:01:13,406

It will be attached to the station for the next several months

24

00:01:13,896 --> 00:01:16,596

and then ultimately it will be packed full of trash and deorbited

25

00:01:16,596 --> 00:01:19,996

in the Earth's atmosphere just like all the Progresses before it.

26

00:01:20,556 --> 00:01:24,416

The crew also working on a variety of experiments today, including an eye exam

27

00:01:24,416 --> 00:01:28,176

for Expedition 29 Commander Mike Fossum as well

28

00:01:28,176 --> 00:01:30,856

as Satoshi Furukawa one of the flight engineers onboard.

29

00:01:31,356 --> 00:01:35,396

Sergei Volkov also busy in the Russian segment with his Progress work.

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00:01:35,996 --> 00:01:40,826

The crew is also going to be swapping out the lense on what is known as the EarthKam.

31

00:01:40,826 --> 00:01:42,616

We talked about that earlier this week.

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00:01:42,616 --> 00:01:46,716

This is a student-driven payload that's onboard the International Space Station.

33
00:01:46,716 --> 00:01:51,276
There is a camera mounted in the window pointed
down at the planet below and through a series

34
00:01:51,276 --> 00:01:55,196
of commands sent through the internet the
students can actually program that camera

35
00:01:55,596 --> 00:01:57,906
to take different pictures of different man-made

36
00:01:57,906 --> 00:02:01,196
and natural occurring phenomena
down on the planet.

37
00:02:01,576 --> 00:02:04,496
The students use those pictures
in their classroom studies.

38
00:02:04,496 --> 00:02:06,896
So Mike Fossum will be working with that today.

39
00:02:07,316 --> 00:02:11,216
The crew also doing some routine
housekeeping onboard the station today.

40
00:02:11,216 --> 00:02:14,606
They're going to be cleaning out some of
the ventilation that's there inside PMA-1.

41
00:02:15,066 --> 00:02:19,166
PMA-1 is actually the joint in
between the Russian and U.S. segments.

42
00:02:19,166 --> 00:02:21,936
It binds the Zarya module,
which was the first piece

43
00:02:21,936 --> 00:02:27,406

of the International Space Station
launched back in 1998, with the Unity Node,

44
00:02:27,406 --> 00:02:30,286
which was the first piece of the U.S. segment

45
00:02:30,286 --> 00:02:32,706
that was launched just a
few short weeks after Zarya.

46
00:02:33,156 --> 00:02:38,816
Periodically the crew has to clean those
ventilation connections there in those modules

47
00:02:38,816 --> 00:02:43,556
that make sure that the air gets stirred and
is acceptable for the crew members to live in.

48
00:02:44,396 --> 00:02:48,886
The crew also has some Crew Earth Observations
today including Pakistan, St. Lucia.

49
00:02:49,176 --> 00:02:51,636
They'll also be flying over a volcano in Mexico.

50
00:02:52,156 --> 00:02:57,646
They'll also be passing over Wells Creek Impact
Crater in Tennessee and also an unusual chance

51
00:02:57,646 --> 00:03:03,006
for them to capture imagery of the Great
Barrier Reef there off the coast of Australia.

52
00:03:03,006 --> 00:03:06,746
Typically, the crew is asleep during
the daylight passes over Australia,

53
00:03:06,746 --> 00:03:10,686
but today they actually have a chance
to gather some imagery of what will sure

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00:03:10,686 --> 00:03:15,326

to be some spectacular photographs of
that phenomena off the coast of Australia.

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00:03:15,326 --> 00:03:19,506

Of course, for the latest information on
the Expedition 29 crew and to follow along