



1
00:00:01,216 --> 00:00:02,476
This is Mission Control Houston

2
00:00:02,476 --> 00:00:03,756
and good morning
to you everyone.

3
00:00:03,756 --> 00:00:06,476
This is a live view inside the
International Space Station

4
00:00:06,476 --> 00:00:08,696
Flight Control Room here at
the Johnson Space Center.

5
00:00:09,096 --> 00:00:11,496
We want to welcome you
to today's ISS update.

6
00:00:11,496 --> 00:00:14,556
It is Tuesday June 12, 2012.

7
00:00:15,116 --> 00:00:16,656
Today's flight director
standing up there

8
00:00:16,656 --> 00:00:18,556
in the middle is Royce Renfrew.

9
00:00:18,556 --> 00:00:20,446
Sitting beside him
is Hal Getzelman.

10
00:00:20,876 --> 00:00:22,076
He is today's CAPCOM.

11
00:00:22,076 --> 00:00:23,216
He is the one of that's
going to be speaking

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00:00:23,216 --> 00:00:26,776
with the crew during this
entire Orbit Two shift.

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00:00:26,776 --> 00:00:28,396
The crew onboard the
station meanwhile,

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00:00:28,396 --> 00:00:32,956
as members of Expedition 31,
has a fairly light today.

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00:00:32,956 --> 00:00:35,726
They're observing a Russia Day
just like they did yesterday.

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00:00:35,726 --> 00:00:38,656
But today's the day that they
actually get some off-duty time.

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00:00:39,926 --> 00:00:42,956
Russia Day is a holiday that
recognizes national pride

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00:00:42,956 --> 00:00:46,026
and the social and economic
achievements throughout history

19

00:00:46,026 --> 00:00:47,736
for that country.

20

00:00:48,146 --> 00:00:49,736
So the crew's taking
some time just

21

00:00:49,736 --> 00:00:51,916
to have some downtime
onboard the station.

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00:00:51,916 --> 00:00:54,916

There's a few routine
maintenance activities

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00:00:54,916 --> 00:00:56,776

and also some checkups of some

24

00:00:56,776 --> 00:00:58,766

of the experiments
that are onboard.

25

00:00:59,176 --> 00:01:02,276

But all in all they got
some off-duty time today.

26

00:01:03,236 --> 00:01:07,046

Even though the crew is taking
it a bit easy today, Joe Acaba

27

00:01:07,046 --> 00:01:09,476

and Don Pettit, two
members of Expedition 31,

28

00:01:09,476 --> 00:01:12,026

have been busy working on
what's called the CDRA.

29

00:01:12,026 --> 00:01:14,106

This is the Carbon
Dioxide Removal Assembly.

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00:01:14,106 --> 00:01:15,536

There's two actually onboard,

31

00:01:15,946 --> 00:01:18,036

one there inside the
Destiny laboratory

32

00:01:18,036 --> 00:01:21,396

and then one inside
the Tranquility module.

33

00:01:21,816 --> 00:01:25,246

Late yesterday afternoon this
particular CDRA that's inside

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00:01:25,336 --> 00:01:26,886

Destiny turned off.

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00:01:26,886 --> 00:01:29,826

It went down because of a
faulty temperature sensor.

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00:01:29,826 --> 00:01:31,576

There's three inside
one of the beds

37

00:01:31,576 --> 00:01:33,916

that actually scrubs the
air of carbon dioxide.

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00:01:34,366 --> 00:01:35,816

While one of those beds is doing

39

00:01:35,816 --> 00:01:38,036

that the other one is actually
being regenerated dumping

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00:01:38,036 --> 00:01:40,846

everything and basically
being baked off

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00:01:40,846 --> 00:01:42,106

so it could be used again.

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00:01:42,856 --> 00:01:44,036

So what the crew
is doing in order

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00:01:44,036 --> 00:01:46,806
to get this Carbon Dioxide
Removal Assembly back up

44

00:01:46,806 --> 00:01:50,906
and running is rewiring some
of the sensors and getting

45

00:01:50,906 --> 00:01:53,316
that started back up
while the ground team here

46

00:01:53,316 --> 00:01:54,786
in Houston watches over them.

47

00:01:55,516 --> 00:01:56,476
While this is taking place,

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00:01:56,476 --> 00:01:59,276
the CDRA that's inside
Tranquility is up and running.

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00:01:59,276 --> 00:02:00,936
So everything is
working fine in terms

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00:02:00,936 --> 00:02:03,426
of the atmosphere
onboard the station.

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00:02:03,426 --> 00:02:06,196
But this Destiny CDRA
is the primary one

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00:02:06,196 --> 00:02:07,216
that they typically use.

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00:02:07,686 --> 00:02:09,546
So they're going to get it

back up and running and get

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00:02:09,546 --> 00:02:11,316

that thing operational
once more.

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00:02:12,426 --> 00:02:13,416

Later on today, the crew's going

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00:02:13,416 --> 00:02:15,036

to have their daily
planning conference.

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00:02:15,036 --> 00:02:16,486

We have one of these in
the morning, one of these

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00:02:16,486 --> 00:02:19,356

in the afternoon where they
will talk with the ground teams

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00:02:19,356 --> 00:02:21,386

around the world, talk
about today's activities,

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00:02:21,386 --> 00:02:23,026

as well as plan ahead
for tomorrow.

61

00:02:23,406 --> 00:02:24,366

There's a shot of
the crew there.

62

00:02:24,366 --> 00:02:28,036

Joe Acaba there on the far
left, Gennady Padalka there

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00:02:28,036 --> 00:02:28,916

on the second to the left

64

00:02:29,286 --> 00:02:31,516

and Sergei Revin there
third from the left.

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00:02:31,836 --> 00:02:34,536

This crew came up to
the station back in May.

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00:02:34,536 --> 00:02:35,746

It'll stay until September.

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00:02:36,416 --> 00:02:38,876

So they are the newest
members of Expedition 31.

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00:02:39,506 --> 00:02:41,496

On the right half of the
screen, Don Pettit there

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00:02:41,496 --> 00:02:44,076

on the far right, Oleg
Kononenko second from the right

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00:02:44,226 --> 00:02:46,596

and Andre Kuipers
there in the middle.

71

00:02:46,596 --> 00:02:49,526

That crew has been
onboard the space station

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00:02:49,526 --> 00:02:51,616

since December of 2011.

73

00:02:51,986 --> 00:02:53,956

And they are getting
ready to come home here

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00:02:53,956 --> 00:02:55,206

in just a matter of
a couple of weeks.

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00:02:55,206 --> 00:02:59,926

They're due to land just to
the northeast of Zhezkazgan,

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00:03:00,406 --> 00:03:03,436

Kazakhstan, coming
up on Sunday, July 1.

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00:03:03,436 --> 00:03:06,496

Of course we'll have live
coverage of all that here

78

00:03:06,496 --> 00:03:09,816

on NASA Television around
3:15 a.m. Central time.