



1

00:00:01,696 --> 00:00:04,146

Good morning from NASA's Johnson space Center.

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00:00:04,146 --> 00:00:08,686

This is Mission Control Houston  
Tuesday, March 13, 2012.

3

00:00:09,146 --> 00:00:12,606

You're looking at the International  
Space Station Flight Control Room.

4

00:00:12,606 --> 00:00:15,596

From the back of the room looking  
over the shoulders of the team

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00:00:15,596 --> 00:00:21,236

of flight controllers each monitoring different  
systems aboard the International Space Station.

6

00:00:21,566 --> 00:00:26,986

As this team has been on console since earlier  
this morning about 7 a.m. Central time,

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00:00:27,456 --> 00:00:31,586

led today once again by veteran  
flight director Royce Renfrew.

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00:00:31,906 --> 00:00:35,276

He's overseeing this team throughout  
the morning and early afternoon.

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00:00:35,596 --> 00:00:38,746

He's joined on console by  
Josh Matthew who's serving

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00:00:38,746 --> 00:00:42,036

as the Spacecraft Communicator,  
the CAPCOM, for the team.

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00:00:42,726 --> 00:00:46,126

He basically relays information from the team

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00:00:46,126 --> 00:00:49,286

to the crew onboard the International Space Station.

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00:00:49,736 --> 00:00:56,206

That orbiting complex just about to move into an orbital sunset as it tracks off the southern tip

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00:00:56,206 --> 00:01:00,946

of Madagascar, having made a swing across central Africa just a little while ago.

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00:01:00,946 --> 00:01:06,706

The space station from this altitude will move into a sunset in about 10 minutes.

16

00:01:06,996 --> 00:01:10,036

It'll be about a 14 minute period of time where the station's

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00:01:10,036 --> 00:01:13,246

in darkness circling the Earth every 92 minutes

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00:01:13,246 --> 00:01:18,286

from this vantage point of 242 miles above the Earth.

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00:01:20,716 --> 00:01:24,026

Onboard is the Expedition 30 crew

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00:01:24,026 --> 00:01:28,546

of the International Space Station headed by Commander Dan Burbank.

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00:01:28,546 --> 00:01:32,896

You see him in the...seated in the front left of the view.

22

00:01:32,896 --> 00:01:40,006

He and two of his crewmates Anton Shkaplerov and Anatoly Ivanishin,

23

00:01:40,106 --> 00:01:43,946

Russian cosmonauts have been onboard the station for 120 days.

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00:01:44,326 --> 00:01:48,926

They've been in space now for 122 days since their launch

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00:01:48,926 --> 00:01:54,706

on a Soyuz rocket back on November 13, 2011.

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00:01:54,776 --> 00:02:02,376

They arrived at the station on Wednesday, November 16.

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00:02:02,376 --> 00:02:07,676

The other three crew members that make up the Expedition 30 crew arrived a little bit later.

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00:02:08,086 --> 00:02:15,866

Oleg Kononenko, Russian cosmonaut serving as the commander of the 29 Soyuz spacecraft launched

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00:02:15,866 --> 00:02:19,366

with his fellow crewmates, one

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00:02:19,366 --> 00:02:23,956

from the Netherlands Andre Kuipers, and U.S. astronaut Don Pettit.

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00:02:23,956 --> 00:02:29,926

Those three arrived at the station back on Friday, December 23,

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00:02:29,926 --> 00:02:33,096  
2011 after their launch December 21.

33  
00:02:33,606 --> 00:02:38,556  
They now have...are enjoying their the 82nd  
day aboard the International Space Station.

34  
00:02:38,886 --> 00:02:41,296  
And they've been in space now for 84 days.

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00:02:41,296 --> 00:02:49,406  
The six crew members wake up each day  
about one in the morning U.S. Central time.

36  
00:02:49,406 --> 00:02:52,036  
That's at 0600 GMT.

37  
00:02:52,376 --> 00:02:57,256  
They check the station out, do a morning  
inspection and then have breakfast.

38  
00:02:57,486 --> 00:03:04,046  
All of that between wake up time and 2  
a.m. After that they head off and prepare

39  
00:03:04,046 --> 00:03:06,336  
for their workday based on their timeline

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00:03:06,336 --> 00:03:10,106  
and then hold a daily planning  
conference with the teams on the ground.

41  
00:03:11,566 --> 00:03:14,786  
And then after that they head  
off in different directions.

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00:03:14,786 --> 00:03:18,926  
And Dan Burbank has focused all of his  
attention, pretty much for the day,

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00:03:19,296 --> 00:03:24,966

on working with the Extravehicular  
Mobility Units, the EMUs, or spacesuits,

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00:03:24,966 --> 00:03:28,846

in the space station's Quest  
airlock swapping those suits out.

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00:03:28,846 --> 00:03:33,606

And he's also doing a number of checkouts to  
ensure those suits are in good working order

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00:03:33,996 --> 00:03:36,686

in the event that they are called into duty

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00:03:36,686 --> 00:03:42,226

for any spacewalk that's required outside  
the space station by the crew members.

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00:03:42,886 --> 00:03:49,416

Additionally, in the U.S. laboratory Destiny  
astronaut Don Pettit has spent a good deal

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00:03:49,416 --> 00:03:56,736

of his day working with the Robonaut  
humanoid in the U.S. laboratory Destiny.

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00:03:56,736 --> 00:04:03,546

And he's got more work to do throughout the day  
to run some additional tests with the Robonaut

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00:04:03,546 --> 00:04:11,686

and that will include a handshake as part of the  
systems checkouts that are ongoing periodically

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00:04:11,686 --> 00:04:16,596

with Robonaut-2 there housed  
in the U.S. laboratory Destiny.

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00:04:17,206 --> 00:04:21,156

Additionally, maintenance activities  
ongoing with the Environmental Control

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00:04:21,156 --> 00:04:22,996

and Life Support System on the station.

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00:04:23,416 --> 00:04:28,496

And the Russian colleagues aboard the complex  
are working back in the Russian segment

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00:04:28,496 --> 00:04:32,336

on experiments and maintenance  
activities as well,

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00:04:33,076 --> 00:04:40,106

as life aboard the International Space Station  
continues for all six crew members that make