



1  
00:00:03,616 --> 00:00:06,656

And welcome once again to  
Mission Control, Houston.

2  
00:00:06,656 --> 00:00:10,086

You're joining us here in the International  
Space Station flight control room

3  
00:00:10,406 --> 00:00:13,746

where the Orbit Two team is currently  
on console monitoring systems

4  
00:00:13,746 --> 00:00:15,436

on board the orbiting laboratory.

5  
00:00:16,216 --> 00:00:19,556

That team today is being led by  
Flight Director Tony Ceccacci,

6  
00:00:20,076 --> 00:00:25,806

and joining him at the Capcom console is Hal  
Getzleman, serving as the communication link

7  
00:00:25,836 --> 00:00:29,676

between controllers here on the  
ground and the astronauts up in space.

8  
00:00:30,176 --> 00:00:34,866

And those astronauts right now  
are the crew of Expedition 30.

9  
00:00:35,706 --> 00:00:41,096

They're being led by NASA astronaut Dan  
Burbank there in the front left of your screen,

10  
00:00:41,096 --> 00:00:46,276

and behind him are Russian cosmonauts  
Anton Shkaplerov and Anatoly Ivanishin.

11

00:00:46,876 --> 00:00:52,166

Then further along on the back row, you have European Space Agency astronaut Andre Kuipers,

12

00:00:52,546 --> 00:00:57,506

NASA astronaut Don Pettit and in the front right, Russian cosmonaut Oleg Kononenko.

13

00:00:58,616 --> 00:01:02,056

The crew woke up at about 1 a.m. Central time today.

14

00:01:02,516 --> 00:01:06,336

Began their day getting straight to work on a number of science experiments

15

00:01:06,336 --> 00:01:08,376

and maintenance activities throughout station.

16

00:01:09,076 --> 00:01:13,336

Commander Burbank is continuing some weekly cleaning that he started yesterday,

17

00:01:13,336 --> 00:01:17,276

just trying to keep the station systems and environment in tiptop shape.

18

00:01:17,726 --> 00:01:23,066

He'll also be working on the Atmosphere Revitalization System, changing out

19

00:01:23,066 --> 00:01:28,946

and cleaning a bacteria filter and then also doing some work on the Water Recovery System,

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00:01:29,616 --> 00:01:34,486

removing and replacing a Recycle Filter Tank Assembly.

21

00:01:36,416 --> 00:01:39,646

Meanwhile, Russian cosmonaut Anton Shkaplerov is spending the majority

22  
00:01:39,646 --> 00:01:44,956  
of his time today removing a few components from the Poisk module, or the Mini-Research Module 2,

23  
00:01:45,336 --> 00:01:48,896  
then transferring them over to the docked Progress 46 vehicle.

24  
00:01:49,386 --> 00:01:54,986  
His fellow Russian cosmonaut Anatoly Ivanishin started his day out immediately upon waking

25  
00:01:54,986 --> 00:02:01,196  
up with the Russian SPRUT experiment, which looks to study how the long-duration spaceflight

26  
00:02:01,196 --> 00:02:06,386  
and all that time spent in microgravity affects the astronauts' ability to stay hydrated

27  
00:02:06,696 --> 00:02:09,666  
and also how the fluid is distributed throughout their bodies.

28  
00:02:10,126 --> 00:02:14,416  
He'll also be doing some cargo activities with that Progress 46 vehicle

29  
00:02:14,736 --> 00:02:17,706  
and also updating the station's Inventory Management System.

30  
00:02:18,296 --> 00:02:22,716  
The third Russian cosmonaut Oleg Kononenko is removing

31  
00:02:22,716 --> 00:02:27,486

and replacing a few tools throughout the Russian maintenance work areas in the Russian segment.

32

00:02:27,806 --> 00:02:31,406

He'll be spending pretty much his entire day doing that.

33

00:02:32,906 --> 00:02:38,366

Meanwhile European Space Agency astronaut Andre Kuipers earlier today was swapping

34

00:02:38,366 --> 00:02:43,016

out a laptop portable workstation, updating some of the software in it,

35

00:02:43,016 --> 00:02:45,996

and also setting up a new virtual network for the computers.

36

00:02:46,596 --> 00:02:52,036

And then just a few minutes ago, he participated in an ESA, or European Space Agency,

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00:02:52,036 --> 00:03:00,106

astronaut public affairs event where he spoke with a crowd at a planetarium

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00:03:00,106 --> 00:03:02,096

in his native country of The Netherlands.

39

00:03:02,496 --> 00:03:04,276

And again, that was just a few moments ago.

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00:03:04,986 --> 00:03:11,246

The final crew member of Expedition 30, Don Pettit, is devoting his entire day to science.

41

00:03:11,406 --> 00:03:14,586

You can see he is working in the Kibo module right now.

42  
00:03:15,236 --> 00:03:20,406  
He has been working on the CsPINs experiment today, which he was also doing yesterday

43  
00:03:20,406 --> 00:03:23,666  
and has been working on over the last month or so.

44  
00:03:23,906 --> 00:03:26,196  
And that is a Japanese experiment that looks

45  
00:03:26,196 --> 00:03:29,626  
to investigate the effects of microgravity on plant growth.

46  
00:03:30,176 --> 00:03:34,606  
And following that, he'll be working today with the BASS experiment, or the Burning

47  
00:03:34,606 --> 00:03:39,026  
And Suppression of Solids, which is an investigation that looks to examine the burning