



1

00:00:03,340 --> 00:00:05,290

Good morning this is mission control Houston.

2

00:00:05,290 --> 00:00:09,590

Welcome and thank you for joining us for today's edition of ISS update this Tuesday, March

3

00:00:09,590 --> 00:00:10,830

20.

4

00:00:10,830 --> 00:00:15,410

You're now looking at live view inside the International Space Station flight control

5

00:00:15,410 --> 00:00:19,800

room where the team here has been monitoring the systems aboard the station and supporting

6

00:00:19,800 --> 00:00:24,500

today's activities of the expedition 30 crew members.

7

00:00:24,500 --> 00:00:29,010

Leading the Orbit Two team here in the station flight control room today is flight director

8

00:00:29,010 --> 00:00:33,440

Ron Spencer, shown here on the right-hand side in the dark blue shirt.

9

00:00:33,440 --> 00:00:39,350

And Mark Reagan who is serving as Capcom; he's relaying all ground messages up to

10

00:00:39,350 --> 00:00:44,970

the crew, shown here on the left-hand side of your screen in the white shirt.

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00:00:44,970 --> 00:00:49,950

On orbit the six crew members well into their busy work day aboard the station include NASA

12
00:00:49,950 --> 00:00:54,880
astronaut and Commander of the complex Dan Burbank and Flight Engineers and cosmonauts

13
00:00:54,880 --> 00:01:00,740
Anton Shkaplerov and Anatoly Ivanishin, as well as NASA astronaut Don Pettit, cosmonaut

14
00:01:00,740 --> 00:01:07,170
Oleg Kononenko and European Space Agency astronaut Andre Kuipers.

15
00:01:07,170 --> 00:01:12,249
Commander Burbank, Shkaplerov and Ivanishin will complete 128 days of their planned 5

16
00:01:12,249 --> 00:01:14,869
1/2 months in space today.

17
00:01:14,869 --> 00:01:20,119
While their expedition 30 crewmates, Pettit, Kononenko and Kuipers close out today with

18
00:01:20,119 --> 00:01:24,849
91 days in space.

19
00:01:24,849 --> 00:01:33,139
The space station with its crew aboard is now flying at an altitude of about 250 statute

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00:01:33,139 --> 00:01:34,990
miles.

21
00:01:34,990 --> 00:01:41,240
The orbiting facility is making an east northeastern track across the Indian Ocean, heading for

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00:01:41,240 --> 00:01:47,560

a pass just across Australia.

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00:01:47,560 --> 00:01:52,009

With a wake-up at 1 AM central time the Expedition
30 crew members kicked off their day with

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00:01:52,009 --> 00:01:56,500

the first of two daily planning conference
held with ground controllers at mission control

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00:01:56,500 --> 00:01:58,509

centers around the world.

26

00:01:58,509 --> 00:02:03,239

That conference is scheduled to review the
day's activities, discussing issues and also

27

00:02:03,239 --> 00:02:07,340

plan for the next set of tasks.

28

00:02:07,340 --> 00:02:11,830

Today station Commander Dan Burbank is conducting
an air leak inspection of the onboard Waste

29

00:02:11,830 --> 00:02:13,190

and Hygiene Compartment.

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00:02:13,190 --> 00:02:17,409

Meanwhile, Flight Engineers Don Pettit and
Andre Kuipers are working together on some

31

00:02:17,409 --> 00:02:21,940

cleanup work inside the Permanent Multipurpose
Module.

32

00:02:21,940 --> 00:02:27,629

It's also known as Leonardo or the "space
closet" that is used for extra storage aboard

33

00:02:27,629 --> 00:02:29,560

the International Space Station.

34

00:02:29,560 --> 00:02:34,459

Pettit also will spend some time later during today's ISS update loading some software and

35

00:02:34,459 --> 00:02:41,730

reconfiguring a laptop computer of the EXPRESS rack four.

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00:02:41,730 --> 00:02:45,489

Andre Kuipers will continue some maintenance work to the onboard Water Recovery System

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00:02:45,489 --> 00:02:50,330

after he's replaced a recycle filter tank assembly just yesterday.

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00:02:50,330 --> 00:02:55,030

And cosmonaut Anton Shkaplerov will perform his regular daily maintenance to the Russian

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00:02:55,030 --> 00:02:56,319

life support system.

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00:02:56,319 --> 00:03:03,280

He'll also then participate in a standard private medical conference.

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00:03:03,280 --> 00:03:06,959

Earlier this morning aboard the International Space Station, Commander Burbank installed

42

00:03:06,959 --> 00:03:10,790

the High Rate Communication System panel in the Destiny lab.

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00:03:10,790 --> 00:03:15,180

The high rate communication system panel will allow for two additional space to ground audio

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00:03:15,180 --> 00:03:22,230

channels and also two additional downlink video channels.

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00:03:22,230 --> 00:03:26,540

Burbank then completed his two hour daily exercise using the Advanced Resistive Exercise

46

00:03:26,540 --> 00:03:32,860

Device and the onboard stationary bicycle.

47

00:03:32,860 --> 00:03:37,219

Flight Engineer Don Pettit and Andre Kuipers had conducted a periodic health exam, much

48

00:03:37,219 --> 00:03:43,099

like a standard medical checkup here on Earth, but no blood was drawn for today's evaluation.

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00:03:43,099 --> 00:03:48,079

Pettit then collected and tested a water sample at the Water Processor Assembly of the Water

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00:03:48,079 --> 00:03:50,620

Recovery System.

51

00:03:50,620 --> 00:03:54,920

Kuipers spent a few hours today with cleanup activities of the Permanent Multipurpose Module,

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00:03:54,920 --> 00:04:01,639

what he and Pettit are working on now, transferring some items from storage to its permanent space

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00:04:01,639 --> 00:04:07,000

aboard the station.

54
00:04:07,000 --> 00:04:11,719
Cosmonaut Anatoly Ivanishin took some photos
as part of a Russian study known as Seiner

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00:04:11,719 --> 00:04:18,720
that observes the world's oceans for bioproductive
areas of the, for the fishing industry.

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00:04:18,720 --> 00:04:23,430
And also just before today's ISS update hour
Commander Burbank and Pettit took some time

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00:04:23,430 --> 00:04:25,669
out to talk with a reporter with WVIT-TV of
Hartford, Connecticut.

58
00:04:25,669 --> 00:04:35,280
And at the end of the day, each crew member
will have participated in his daily two-hour

59
00:04:35,280 --> 00:04:39,520
exercise to maintain their physical fitness
and mitigate the negative effects of microgravity

60
00:04:39,520 --> 00:04:41,080
on their bodies.

61
00:04:41,080 --> 00:04:50,130
Commander Burbank will continue that maintenance
work at the Water Recovery System.

62
00:04:50,130 --> 00:04:54,800
The Expedition 30 crew will then participate
in its final daily planning conference with

63
00:04:54,800 --> 00:04:59,530
ground controllers around the world before
some evening prep work and entering its presleep

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00:04:59,530 --> 00:05:03,540

period.

65

00:05:03,540 --> 00:05:10,800

Everything remains on track for the launch of the European Space Agency's Ariane 5 rocket.

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00:05:10,800 --> 00:05:17,690

That rocket will be sending the third European space agency's Automated Transfer Vehicle

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00:05:17,690 --> 00:05:25,400

cargo ship up to the International Space Station.

68

00:05:25,400 --> 00:05:31,750

Launch is set for 11:34 PM central time Thursday night.