



1
00:00:01,496 --> 00:00:02,306

Good morning.

2
00:00:02,306 --> 00:00:03,786

This is Mission Control Houston.

3
00:00:04,296 --> 00:00:08,366

Thank you for joining us for today's
ISS Update this Thursday, December 22.

4
00:00:09,126 --> 00:00:12,436

Aboard the orbiting complex,
station Commander Dan Burbank

5
00:00:12,436 --> 00:00:16,616

and Flight Engineers Anton Shkaplerov
and Anatoly Ivanishin now rounding

6
00:00:16,616 --> 00:00:21,246

out their sixth week in space continue to
conduct science experiments that take advantage

7
00:00:21,246 --> 00:00:24,976

of their microgravity environment, perform
regular maintenance to their orbital home

8
00:00:24,976 --> 00:00:28,876

and prepare for the arrival of three new
crew members who are scheduled to arrive

9
00:00:28,876 --> 00:00:32,976

at the space station tomorrow
morning at 9:22 a.m. Central time.

10
00:00:33,796 --> 00:00:38,086

Yesterday, NASA astronaut Don Pettit,
Russian cosmonaut Oleg Kononenko

11
00:00:38,086 --> 00:00:44,246

and European Space Agency astronaut Andre Kuipers launched aboard the Soyuz TMA-03M

12

00:00:44,546 --> 00:00:49,006

from the Baikonur Cosmodrome in Kazakhstan at 7:16 a.m. Central time.

13

00:00:49,616 --> 00:00:54,646

They have begun their two day chase on orbit to catch up with the International Space Station.

14

00:00:55,206 --> 00:00:58,306

Ascent and the first two rendezvous burns were all nominal yesterday.

15

00:00:58,586 --> 00:01:01,286

The Soyuz performed another rendezvous maneuver today

16

00:01:01,286 --> 00:01:05,186

and all systems aboard the Soyuz spacecraft continue to check out nominally.

17

00:01:05,816 --> 00:01:09,646

The Soyuz is slated to link up to the International Space Station tomorrow morning

18

00:01:09,646 --> 00:01:11,326

when it docks to the Rassvet module.

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00:01:12,746 --> 00:01:16,856

Live coverage of the Soyuz docking will begin here on NASA Television

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00:01:16,906 --> 00:01:23,626

at 8:45 a.m. Central time with docking scheduled to occur at 9:22 a.m. Central time.

21

00:01:24,946 --> 00:01:30,046

Meanwhile, the Expedition 30 crew now aboard the

International Space Station began their morning

22
00:01:30,046 --> 00:01:34,556
with the first of two daily planning conferences
a couple of hours after wakeup at Midnight.

23
00:01:34,836 --> 00:01:38,756
Commander Dan Burbank is busy now
gathering and setting up hardware required

24
00:01:38,806 --> 00:01:42,006
for the EPIC card installation
and testing and preparation

25
00:01:42,006 --> 00:01:46,476
for the station's onboard computer architecture
upgrade to increase its performance.

26
00:01:46,886 --> 00:01:51,146
Meanwhile, Anton Shkaplerov and Anatoly
Ivanishin are conducting the BAR experiment

27
00:01:51,356 --> 00:01:52,806
that tests and validates methods

28
00:01:52,806 --> 00:01:56,436
to detect pressure leaks onboard the
station to improve space flight safety.

29
00:01:56,746 --> 00:02:02,126
And later Shkaplerov will photograph the
ongoing geophysics experiment known as URAGAN

30
00:02:02,446 --> 00:02:06,596
that tests an experimental ground-based
system that uses Earth observations

31
00:02:06,646 --> 00:02:08,946
from the space station's
vantage point to classify

32

00:02:09,156 --> 00:02:11,956

and predict natural disasters
such as hurricanes.

33

00:02:12,826 --> 00:02:17,606

Earlier this morning after performing a Reaction
self-test that monitors the daily effects

34

00:02:17,606 --> 00:02:22,206

of fatigue on performance during long-duration
space flight and his regular morning inspection

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00:02:22,206 --> 00:02:28,596

of the station, COmmander Dan Burbank began his
workday on the Microgravity Science Glovebox.

36

00:02:28,816 --> 00:02:31,926

He also did some work on the
Compound Specific Analyzer.

37

00:02:32,376 --> 00:02:36,916

Burbank then set up the KUBIK, which is a small
temperature controlled incubator, or a cooler,

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00:02:37,206 --> 00:02:41,486

that is used to study biological samples
in preparation for the science payload

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00:02:41,486 --> 00:02:45,676

that studies the function of substances
produced within the body and regulation

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00:02:45,676 --> 00:02:49,636

of the immune processes and cell
cycle under microgravity conditions.

41

00:02:50,196 --> 00:02:54,586

That science payload launched aboard the
Soyuz spacecraft yesterday morning that is now

42
00:02:54,586 --> 00:02:56,446
on its way to the International Space Station.

43
00:02:57,026 --> 00:03:01,646
Also, earlier this morning Commander Burbank participated in a live in-flight interview

44
00:03:01,646 --> 00:03:04,876
with WDIV-TV in Detroit, Michigan.

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00:03:04,876 --> 00:03:09,716
Flight Engineer Anton Shakplerov spent some time earlier this morning with a variety

46
00:03:09,716 --> 00:03:13,576
of maintenance tasks of the service module including some circuitry checkout,

47
00:03:13,576 --> 00:03:17,216
a coolant leak and a control and atmosphere monitoring sensor check