



Courtesy NASA/Victor Zelentsov

1

00:00:01,320 --> 00:00:05,910

Good morning and welcome to Mission Control
Houston and International Space Station update.

2

00:00:05,910 --> 00:00:08,830

We're joining the International
Space Station flight control team

3

00:00:08,830 --> 00:00:12,230

in the space station flight control room here
at the Mission Control Center here in Houston,

4

00:00:12,230 --> 00:00:18,610

where the Orbit 2 team is on console at this
time, led today by flight director Emily Nelson,

5

00:00:18,610 --> 00:00:24,860

who's getting help from Capcom
Josh Matthew today.

6

00:00:26,400 --> 00:00:30,360

Onboard the International Space Station,
the Expedition 29 crew is more than halfway

7

00:00:30,360 --> 00:00:34,140

through their day, which began
at midnight, central time.

8

00:00:34,140 --> 00:00:38,810

U.S. Commander Mike Fossum as well as
Russian Flight Engineer Sergei Volkov

9

00:00:38,810 --> 00:00:44,550

and Japanese Flight Engineer Satoshi
Furukawa are currently orbiting 238 miles

10

00:00:44,550 --> 00:00:48,040

above the Pacific Ocean, heading
for the coast of California.

11
00:00:48,040 --> 00:00:55,590
In the next few minutes Fossum, Volkov and Furukawa will be passing over California,

12
00:00:55,590 --> 00:01:02,810
Nevada, Arizona, Utah, Wyoming, Nebraska, South Dakota and Minnesota.

13
00:01:02,810 --> 00:01:08,640
They're working on their 156th day in space and their 154th day at the space station.

14
00:01:08,640 --> 00:01:13,580
They launch in a Soyuz June 7, and docked to the space station on June 9,

15
00:01:13,580 --> 00:01:16,670
which means that they're coming up now on the end of their stay at the space station.

16
00:01:16,670 --> 00:01:19,840
They actually spent some time earlier today performing leak checks

17
00:01:19,840 --> 00:01:23,300
of their Russian Sokol suits they'll be wearing for the return home,

18
00:01:23,300 --> 00:01:26,190
which is schedule for November 21.

19
00:01:29,080 --> 00:01:31,930
But before they can leave their replacements have to arrive,

20
00:01:31,930 --> 00:01:35,170
which they'll be doing next week.

21
00:01:35,170 --> 00:01:40,540

NASA astronaut Dan Burbank and Russian cosmonauts Anton Shkaplerov

22

00:01:40,540 --> 00:01:47,220
and Anatoly Ivanishin are already in Kazakhstan at the Baikonur Cosmodrome

23

00:01:47,220 --> 00:01:51,530
where they'll be launching to the space station inside of their Soyuz TMA-22

24

00:01:51,530 --> 00:01:55,260
at 10:14 p.m. central time on Sunday.

25

00:01:55,260 --> 00:02:00,020
Countdown will actually begin at 2:44 p.m. on Sunday with NASA TV coverage

26

00:02:00,020 --> 00:02:07,770
of the activities kicking off at 9:30 p.m. Crew has been busy this week

27

00:02:07,770 --> 00:02:12,550
with pre-launch preparations in Baikonur.

28

00:02:17,230 --> 00:02:21,980
We actually have some photos of their preparations to show you.

29

00:02:25,520 --> 00:02:35,700
Photo here of Dan Burbank during an inspection of, a final inspection of the Soyuz that he

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00:02:35,700 --> 00:02:40,300
and his crew will be riding in at the Integration Facility.

31

00:02:44,060 --> 00:02:55,090
And here Burbank is seen signing a poster of a Soyuz launch at the Korolev Museum on Wednesday.

32
00:02:55,090 --> 00:03:00,490
He and his crew members and their backup crew all toured that museum on Wednesday.

33
00:03:00,490 --> 00:03:07,070
And here is a photo of Burbank with his crew in front

34
00:03:07,070 --> 00:03:12,540
of the Soyuz again during the final inspection of the vehicle at the integration facility.

35
00:03:12,540 --> 00:03:14,470
From left to right.

36
00:03:14,470 --> 00:03:22,340
From left to right here you can see Anatoly Ivanishin, Anton Shkaplerov and Dan Burbank.

37
00:03:26,030 --> 00:03:30,270
And here's the crew with their backup crew members.

38
00:03:30,270 --> 00:03:36,570
In addition to the individuals you've already seen there's also Joe Acaba,

39
00:03:36,570 --> 00:03:46,230
NASA astronaut who'll be backing up Dan Burbank and Sergei Revin and Gennady Padalka.

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00:03:46,230 --> 00:03:52,350
This again is taken at the Korolev Museum on Wednesday when the crew was touring

41
00:03:52,350 --> 00:03:57,380
to get a look at some of the history behind the Russian space program.

42

00:04:03,210 --> 00:04:09,630

And Dan Burbank here during some downtime in their preparations for launch.

43

00:04:23,220 --> 00:04:29,220

Again Burbank, Ivanishin and Shkaplerov are scheduled to launch from the Baikonur Cosmodrome

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00:04:29,220 --> 00:04:32,320

on Sunday at 10:14 p.m. central time.

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00:04:32,320 --> 00:04:37,790

That'll put them on course to dock to the space station's Poisk mini-research module 2

46

00:04:37,790 --> 00:04:40,440

at 11:33 p.m. central time on Tuesday.

47

00:04:40,440 --> 00:04:46,610

And in the meantime Fossum, Volkov and Furukawa are spending their day in space preparing

48

00:04:46,610 --> 00:04:49,100

for their own departure, again with that leak check

49

00:04:49,100 --> 00:04:53,620

of their Russian Sokol suits and some packing work.

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00:04:53,620 --> 00:05:00,010

Also be doing a few science experiments including one that Fossum is working on,

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00:05:00,010 --> 00:05:01,950

an integrated cardiovascular experiment,