



1

00:00:01,819 --> 00:00:05,900

Good day, this is Mission Control Houston,
at the NASA Johnson Space Center, and this

2

00:00:05,900 --> 00:00:10,860

is the International Space
Station update for Wednesday, September 14.

3

00:00:10,860 --> 00:00:15,209

Today Expedition Commander Andrey Borisenko
will hand over the command of the International

4

00:00:15,209 --> 00:00:19,699

Space Station to U.S.
astronaut Mike Fossum. Borisenko and Flight

5

00:00:19,699 --> 00:00:24,369

Engineers Alexander Samokutyaev and Ron Garan
will leave on Thursday to

6

00:00:24,369 --> 00:00:28,140

return home after living 162 days on the station.

7

00:00:28,140 --> 00:00:34,039

The three are making final preparations, wrapping
up a tour of duty, packing their Soyuz that

8

00:00:34,039 --> 00:00:37,000

will bring them home
before enjoying their final night on board

9

00:00:37,000 --> 00:00:38,180

the station.

10

00:00:38,180 --> 00:00:43,170

Coverage for that landing begins at 9:30 p.m.
Central time on Thursday, with landing on

11

00:00:43,170 --> 00:00:47,489

the southern steppe of
Kazakhstan at 11 p.m. Central time.

12
00:00:47,489 --> 00:00:54,460
Remaining on the station with Fossum for the
Expedition 29 on the International Space Station

13
00:00:54,460 --> 00:00:59,809
will be Russian cosmonaut
Sergei Volkov and Japanese space agency Satoshi

14
00:00:59,809 --> 00:01:00,899
Furakawa.

15
00:01:00,899 --> 00:01:06,750
Joining them later on will be Dan Burbank,
Anatoly Ivanishin and Anton Shkaplerov.

16
00:01:06,750 --> 00:01:13,090
In activities today, Garan, Fossum and Furakawa
performed their Integrated Immune blood collection,

17
00:01:13,090 --> 00:01:15,890
dry saliva and
liquid saliva collection.

18
00:01:15,890 --> 00:01:20,170
This information will help scientists and
doctors develop countermeasures to reduce

19
00:01:20,170 --> 00:01:22,479
in-flight health issues.

20
00:01:22,479 --> 00:01:28,810
This experiment is run here by Dr. Clarence
Sams at the Johnson Space Center. It began

21
00:01:28,810 --> 00:01:32,710
on Expedition 16 and will run
through Expedition 32.

22
00:01:32,710 --> 00:01:37,829
There is ample postflight evidence to suggest that the spaceflight has a negative effect

23
00:01:37,829 --> 00:01:38,840
on the immune system.

24
00:01:38,840 --> 00:01:44,009
However, there has been very little in-flight data collected, so this is an important experiment

25
00:01:44,009 --> 00:01:48,410
as NASA continues to look at how best to monitor the health and

26
00:01:48,410 --> 00:01:51,690
to keep astronauts healthy on board the space station.

27
00:01:51,690 --> 00:01:59,630
Some of the causes of this immune deficiency or immune dysfunction is microgravity, stress

28
00:01:59,630 --> 00:02:01,060
and radiation.

29
00:02:01,060 --> 00:02:06,380
Garan, Borisenko and Samokutyaev are getting ready again for their final round of exercise

30
00:02:06,380 --> 00:02:07,380
today.

31
00:02:07,380 --> 00:02:13,140
The crew will shift their sleep schedule to the right today, going to bed at 7 p.m.

32
00:02:13,140 --> 00:02:17,510

They will have an extended sleep period, and this is very customary due to the landing

33

00:02:17,510 --> 00:02:18,750

day activities.

34

00:02:18,750 --> 00:02:23,540

The crew will not be awakened until 8 a.m.

Central time on Thursday to begin their landing

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00:02:23,540 --> 00:02:24,820

preparations.

36

00:02:24,820 --> 00:02:29,450

The crew members are also scheduled today to capture video and photographs of Montenegro,

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00:02:29,450 --> 00:02:33,160

Portugal, coastal reserve in Virginia and the coastal mountain range in

38

00:02:33,160 --> 00:02:35,500

British Columbia.

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00:02:35,500 --> 00:02:39,790

Today Furakawa also shared his experience on board the space station with a group of

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00:02:39,790 --> 00:02:45,060

Japanese involved in elderly health care, and that video will be for you

41

00:02:45,060 --> 00:02:47,630

here during the update later this morning.

42

00:02:47,630 --> 00:02:53,580

For more information on the space station, please check us out at www.nasa.gov/station