



1
00:00:01,876 --> 00:00:07,586
This is the International Space Station
Update for Tuesday September 13.

2
00:00:08,076 --> 00:00:12,796
The six-member Expedition 28 crew has
been busy preparing for the departure

3
00:00:12,796 --> 00:00:16,646
of expedition Commander Andrey Borisenko along

4
00:00:16,646 --> 00:00:20,406
with Flight Engineers Alexander
Samokutyaev and Ron Garan.

5
00:00:20,826 --> 00:00:24,876
Garan, Borisenko and Samokutyaev are
in their Soyuz spacecraft again today,

6
00:00:25,226 --> 00:00:29,056
rehearsing for descent procedures
and reviewing emergency roles

7
00:00:29,056 --> 00:00:34,406
and responsibilities one last time before
they undock from the Poisk module on Thursday.

8
00:00:34,866 --> 00:00:39,396
The three will land in the southern steppe
of Kazakhstan at 11 p.m. Central time.

9
00:00:39,796 --> 00:00:46,046
Coverage begins on NASA Television at 9:30
Central time for deorbit burn and landing.

10
00:00:46,556 --> 00:00:51,386
Before wrapping up their 162 days on the
station, Borisenko will hand over Command

11

00:00:51,386 --> 00:00:54,546

to fellow crew member U.S.
astronaut Mike Fossum.

12

00:00:55,046 --> 00:00:59,066

He'll do that on Wednesday in a ceremony
planned for 4:40 p.m. Central time.

13

00:00:59,416 --> 00:01:01,776

It will be televised on NASA TV.

14

00:01:02,426 --> 00:01:06,156

Expedition 29 will officially begin
with the undocking on Thursday.

15

00:01:06,696 --> 00:01:08,396

Remaining on the station with Fossum

16

00:01:08,396 --> 00:01:12,356

for Expedition 29 will be
Russian cosmonaut Sergei Volkov

17

00:01:13,006 --> 00:01:17,376

and Japanese space agency
astronaut Satoshi Furukawa.

18

00:01:18,096 --> 00:01:21,126

Joining them later will be
Dan Burbank, U.S. astronaut,

19

00:01:21,456 --> 00:01:25,416

and Russian cosmonauts Anatoly
Ivanishin and Anton Shkaplerov.

20

00:01:26,366 --> 00:01:30,746

In activities on the station today, the crew
is continuing to monitor Texas wildfires.

21

00:01:31,236 --> 00:01:35,126

There have been reports of a few new

fires including one in East Texas,

22

00:01:35,126 --> 00:01:38,776

and they've been keeping an eye on
that Tropical Storm Maria as she churns

23

00:01:38,776 --> 00:01:41,206

across the Atlantic away from the United States.

24

00:01:41,776 --> 00:01:46,636

Flight Engineer Ron Garan today activated
the microgravity glovebox in the lab.

25

00:01:47,106 --> 00:01:49,766

Monday he cleaned that filter in the glovebox.

26

00:01:49,766 --> 00:01:54,976

And Furukawa also completed his work
on that Marangoni Surface equipment.

27

00:01:55,026 --> 00:02:00,506

The Japanese space agency experiment is a
study of surface-flow tension of liquids

28

00:02:00,506 --> 00:02:04,226

that will continue on the
space station through 2015.

29

00:02:04,916 --> 00:02:08,686

Knowledge from that experiment
should help improve semi-conductors

30

00:02:08,686 --> 00:02:12,496

which means better electronics
like cell phones and computers.

31

00:02:13,266 --> 00:02:19,206

Crew members are also scheduled to capture video
and photographs of cities of Damascus and Riyadh

32

00:02:20,026 --> 00:02:23,976

and also Washington state's
famous volcano Mount St. Helens.

33

00:02:24,696 --> 00:02:28,056

Furukawa also checked on the status
of the [Bioserve] experiments.

34

00:02:28,406 --> 00:02:32,246

This one focuses on the production
of antibiotic processes.

35

00:02:33,086 --> 00:02:36,966

It could one day improve the
production of antibiotics here on Earth.

36

00:02:37,036 --> 00:02:41,356

Furukawa also relocated [the] Tissue
Equivalent Proportional Counter

37

00:02:41,796 --> 00:02:46,996

which actually is a[n] instrument that measures
the radiation inside the space station.