1
00:00:01,376 --> 00:00:02,856
This is Mission Control Houston,

2
00:00:03,296 --> 00:00:06,826
The Expedition 32 crew onboard
the International Space Station

3
00:00:07,266 --> 00:00:11,076
got some off-duty time on Monday
after a very busy weekend.

4
00:00:11,506 --> 00:00:16,266
They started with the unloading
of one cargo ship, the redocking

5
00:00:16,266 --> 00:00:20,186
of a second while preparing for
its departure and the arrival

6
00:00:20,186 --> 00:00:22,776
of a third cargo ship
that's coming up this week.

7
00:00:23,516 --> 00:00:26,136
Today, Commander Gennady
Padalka and Flight Engineers

8
00:00:26,136 --> 00:00:29,596
and Sergei Revin and Yuri
Malenchenko had a late wake-up

9
00:00:29,596 --> 00:00:31,736
call and most of
the day off-duty.

10
00:00:32,246 --> 00:00:34,186
On Saturday night, Padalka

11
00:00:34,186 --> 00:00:37,306

and Malenchenko were
monitoring the redocking

12
00:00:37,306 --> 00:00:40,076
of the Progress ship, 47P,

13
00:00:40,586 --> 00:00:44,176
in a test of an enhanced
automated rendezvous system.

14
00:00:44,766 --> 00:00:48,396
The first redocking of that
vehicle last week was aborted

15
00:00:48,496 --> 00:00:50,366
when that system
failed a self-test.

16
00:00:50,926 --> 00:00:52,816
But it worked just
fine on Saturday

17
00:00:53,166 --> 00:00:56,296
after Russian specialists
raised the temperature inside

18
00:00:56,296 --> 00:00:57,186
that cargo ship.

19
00:00:58,516 --> 00:01:03,176
Commander Padalka removed the
Kurs-NA hardware on Sunday

20
00:01:03,176 --> 00:01:05,016
for ultimate return
to the ground

21
00:01:05,016 --> 00:01:08,016
so that the hardware
can be studied and try

22
00:01:08,016 --> 00:01:11,806
to help determine the cause
of the original abort.

23
00:01:12,656 --> 00:01:15,966
But the 47P has now been
closed up for undocking

24
00:01:16,176 --> 00:01:18,456
and the final undocking
of that vehicle

25
00:01:18,456 --> 00:01:21,336
from the International Space
Station is scheduled to occur

26
00:01:21,336 --> 00:01:24,996
at 4:19 p.m. Central
time on Monday.

27
00:01:25,356 --> 00:01:27,156
The NASA TV coverage will begin

28
00:01:27,156 --> 00:01:30,986
at 4 p.m. Flight
Engineers Joe Acaba

29
00:01:31,046 --> 00:01:34,856
and Suni Williams spent their
afternoon both unloading

30
00:01:34,916 --> 00:01:37,456
and loading a Japanese
cargo ship.

31
00:01:38,036 --> 00:01:41,016
The hatch to the
HTV-3 was opened

32
00:01:41,016 --> 00:01:43,126
on Saturday morning
following its arrival

33
00:01:43,126 --> 00:01:44,596
at the station on Friday.

34
00:01:44,986 --> 00:01:47,396
And the crew got very
far ahead of the schedule

35
00:01:47,396 --> 00:01:50,836
with unloading the
contents of Kounotori3.

36
00:01:51,236 --> 00:01:54,986
Today the crew continued with
unloading and also starting

37
00:01:54,986 --> 00:01:58,096
to pack up some of the
trash that will be disposed

38
00:01:58,096 --> 00:02:00,766
of in the HTV when it undocks

39
00:02:00,766 --> 00:02:03,046
from the International
Space Station in September.

40
00:02:03,556 --> 00:02:06,406
Flight Engineer Aki
Hoshide spent a good portion

41
00:02:06,406 --> 00:02:09,696
of his afternoon installing
the NanoStep cartridge

42
00:02:10,056 --> 00:02:13,256

in the Solution Crystallization
Observation Facility.

43
00:02:13,726 --> 00:02:16,926
That's going to be used
for the NanoStep experiment

44
00:02:16,926 --> 00:02:19,156
which was delivered on the HTV.

45
00:02:19,526 --> 00:02:24,526
NanoStep is a JAXA biotechnology
investigation that's aimed

46
00:02:24,526 --> 00:02:27,406
at refining our understanding
of the mechanisms

47
00:02:27,656 --> 00:02:30,696
that drive the growth of
crystals in microgravity.

48
00:02:31,696 --> 00:02:35,346
On Tuesday, the crew is
designed to spend more time

49
00:02:35,346 --> 00:02:37,406
on the HTV cargo operations,

50
00:02:37,406 --> 00:02:41,796
as well as station science
operations including body mass

51
00:02:41,796 --> 00:02:45,626
measurements and ultrasound
examinations and the feeding

52
00:02:45,626 --> 00:02:49,616
of spiders that are part of
the YouTube Spacelab experiment

53
00:02:49,716 --> 00:02:51,296
that was delivered on HTV.