1
00:00:00,006 --> 00:00:00,073
[Music]

2
00:00:00,073 --> 00:00:03,266
>> Good morning and welcome
to Mission Control Houston

3
00:00:03,266 --> 00:00:05,106
and Space Station Live.

4
00:00:05,106 --> 00:00:07,746
Activities are getting back to
normal both in space and here

5
00:00:07,746 --> 00:00:08,406
on the ground

6
00:00:08,406 --> 00:00:11,086
in the International Space
Station Flight Control Room

7
00:00:11,086 --> 00:00:14,186
after a few exceptionally busy
days over the weekend and Monday

8
00:00:14,186 --> 00:00:16,926
and one off-duty day
for the crew yesterday.

9
00:00:17,846 --> 00:00:18,746
Today, Flight Director,

10
00:00:18,806 --> 00:00:20,786
Chris Edelen is leading
the Orbit 2 team

11
00:00:20,786 --> 00:00:24,126
of flight controllers with Hal
Getzelman in the Capcom seat.

12
00:00:26,696 --> 00:00:31,436
In space, the 3 members of
Expedition 36 crew are working

13
00:00:31,436 --> 00:00:33,276
through their first
day of activities alone

14
00:00:33,276 --> 00:00:35,406
on the station following
the departure

15
00:00:35,406 --> 00:00:37,946
of their Expedition 35
crewmates on Monday.

16
00:00:38,696 --> 00:00:40,836
NASA Flight Engineer,
Chris Cassidy

17
00:00:40,836 --> 00:00:42,916
and Russian Flight
Engineers, Pavel Vinogradov

18
00:00:43,296 --> 00:00:46,216
and Alexander Misurkin
said goodbye on Monday

19
00:00:46,216 --> 00:00:49,056
to Tom Marshburn, Chris
Hadfield and Roman Romanenko.

20
00:00:49,616 --> 00:00:53,066
And they're now awaiting the
launch of their new crewmates,

21
00:00:53,066 --> 00:00:54,866
Karen Nyberg, Fyodor Yurchikhin,

22
00:00:55,216 --> 00:00:59,856
and Luca Parmitano
later this month.

23
00:01:00,486 --> 00:01:03,776
Cassidy, Vinogradov, and
Misurkin themselves launched

24
00:01:03,776 --> 00:01:06,776
at the station on March 28th
and docked that same day,

25
00:01:07,386 --> 00:01:10,756
leaving them with a tally of
47 days now of both in space

26
00:01:10,756 --> 00:01:11,816
and at the space station.

27
00:01:12,426 --> 00:01:14,996
They're currently
orbiting 256 miles

28
00:01:14,996 --> 00:01:19,176
above the South Pacific Ocean
heading Northeast towards the

29
00:01:19,176 --> 00:01:20,306
coast of Canada.

30
00:01:22,646 --> 00:01:25,486
The main task on the agenda
today for Flight Engineer,

31
00:01:25,486 --> 00:01:28,726
Chris Cassidy, is work with
the Burning and Suppression

32
00:01:28,726 --> 00:01:31,706

of Solids Experiment
or BASS which looks

33
00:01:31,706 --> 00:01:35,196
at how materials burn in zero
gravity and whether they're more

34
00:01:35,196 --> 00:01:37,806
or less flammable in space than
they are here on the ground.

35
00:01:39,306 --> 00:01:41,406
In addition to that
work, Cassidy also opened

36
00:01:41,406 --> 00:01:44,466
up the shutters on the window
in the Destiny Laboratory

37
00:01:44,866 --> 00:01:47,416
to allow the eye serve
experiment to run on its own.

38
00:01:47,996 --> 00:01:50,266
That investigation is
an automated system

39
00:01:50,266 --> 00:01:53,226
for taking photos of the earth's
surface from the space station.

40
00:01:53,856 --> 00:01:56,626
And, although, the photos can be
useful for disaster monitoring

41
00:01:56,626 --> 00:01:59,476
and assessment and
environmental decision making,

42
00:01:59,966 --> 00:02:02,256

the main purpose of
the experiment is

43
00:02:02,396 --> 00:02:04,446
to provide experience
and expertise

44
00:02:04,446 --> 00:02:07,056
in automated data acquisition
from the space station.

45
00:02:08,226 --> 00:02:09,996
Another experiment
running on its own today,

46
00:02:09,996 --> 00:02:13,216
in the background, is the
Amine Swingbed Investigation

47
00:02:13,906 --> 00:02:16,546
which is aimed at determining
whether a vacuum regenerated

48
00:02:16,546 --> 00:02:20,316
Amine system can effectively
remove carbon dioxide

49
00:02:20,316 --> 00:02:22,346
from the space station's
air more efficiently.

50
00:02:22,566 --> 00:02:29,346
And on the Russian side of
the space station today,

51
00:02:29,346 --> 00:02:32,436
Flight Engineer Alexander
Misurkin is working

52
00:02:32,436 --> 00:02:35,186

on the Identification
Experiment which looks

53
00:02:35,186 --> 00:02:38,636
at the dynamic loads put on the
space station during operations

54
00:02:38,636 --> 00:02:42,426
such as docking, reboost,
space walks and, of course,

55
00:02:42,426 --> 00:02:43,976
undocking such as
those performed

56
00:02:43,976 --> 00:02:46,536
by the departing members
of the Expedition 35 crew

57
00:02:46,976 --> 00:02:49,546
in their Soyuz TMA-07M
on Monday.

58
00:02:50,556 --> 00:02:52,956
That's what's going
on in space today