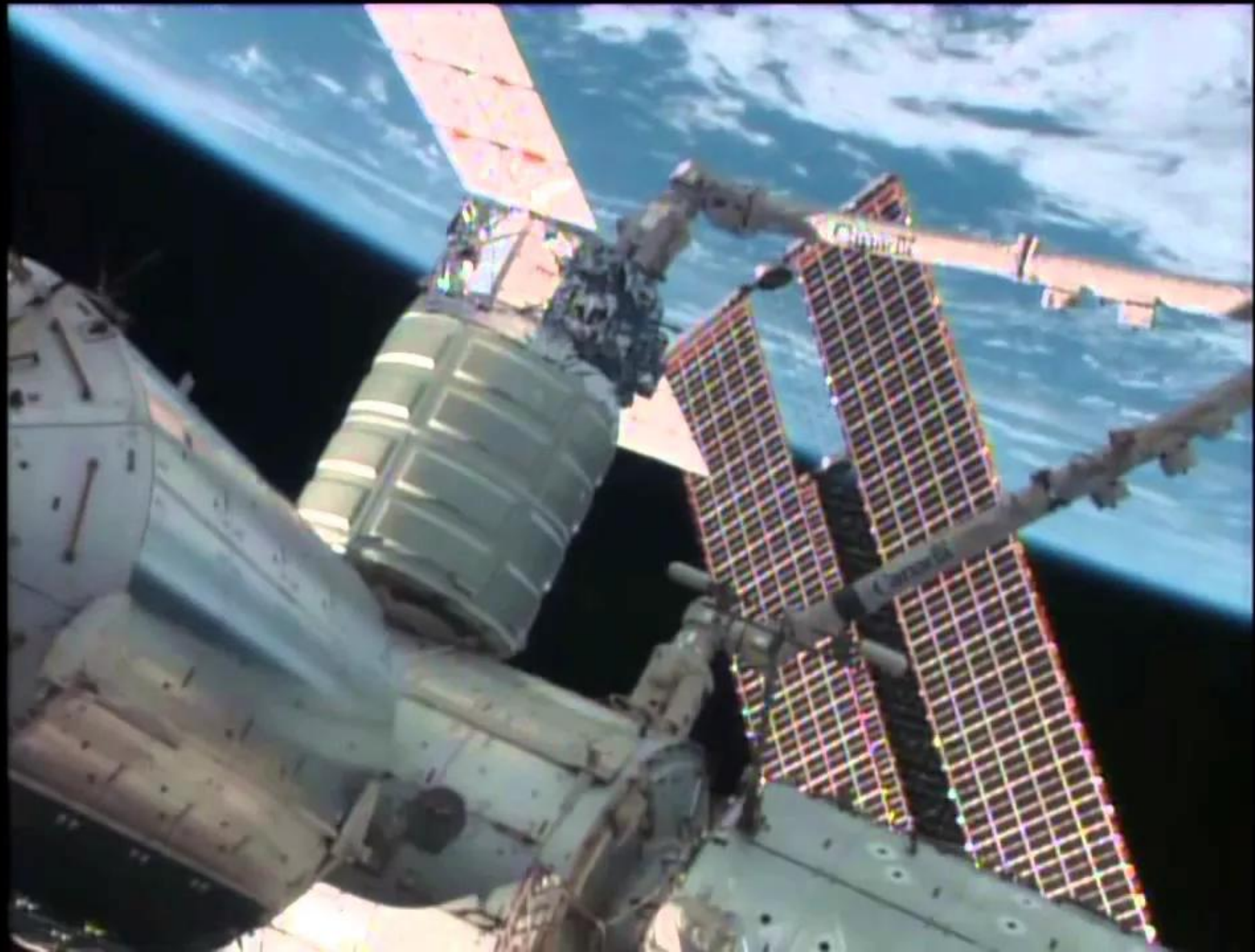

1
00:00:00,506 --> 00:00:04,766
[Music]

2
00:00:05,266 --> 00:00:07,176
>> It's Monday, October 21st.

3
00:00:07,486 --> 00:00:10,526
The International Space Station
crewmembers have focused their

4
00:00:10,526 --> 00:00:14,616
attention today on preparation
for departure on Tuesday

5
00:00:14,976 --> 00:00:18,416
of the Cygnus cargo vehicle,
as well as preparation

6
00:00:18,506 --> 00:00:20,886
for a planned spacewalk
next month

7
00:00:21,316 --> 00:00:25,426
that will be the longest leg in
the next Olympic torch relay.

8
00:00:26,106 --> 00:00:28,756
Station commander Fyodor
Yurchikhin kicked off the week

9
00:00:28,756 --> 00:00:31,196
with station maintenance,
working first

10
00:00:31,196 --> 00:00:35,526
on the laptop computers and then
on the Russian segment toilet.

11
00:00:36,076 --> 00:00:39,806

Afterwards, he joined fellow
Soyuz commander Oleg Kotov,

12
00:00:40,076 --> 00:00:42,956
as the two of them conducted
a test of communications

13
00:00:43,126 --> 00:00:44,856
between those two vehicles.

14
00:00:45,406 --> 00:00:48,636
They then joined up with flight
engineer Sergey Ryazanskiy

15
00:00:48,706 --> 00:00:52,066
to record messages for
Russian public affairs use

16
00:00:52,066 --> 00:00:54,046
and finished their day wrapping

17
00:00:54,046 --> 00:00:56,186
up with their daily
exercise sessions.

18
00:00:56,846 --> 00:00:59,896
Kotov and Ryazanskiy spent
their morning gathering tools

19
00:01:00,066 --> 00:01:02,676
that will be used during
an upcoming spacewalk.

20
00:01:03,176 --> 00:01:06,266
Next month during the
direct handover period,

21
00:01:06,596 --> 00:01:08,506
while there will
be nine crewmembers

22
00:01:08,506 --> 00:01:09,826
on board the space station,

23
00:01:10,326 --> 00:01:14,356
Kotov and Ryazanskiy will go
outside to replace some antenna

24
00:01:14,356 --> 00:01:17,536
and configure communications
cables as part

25
00:01:17,536 --> 00:01:19,886
of the ongoing preparations
for the arrival

26
00:01:20,206 --> 00:01:23,076
of a new Russian
multipurpose laboratory module

27
00:01:23,076 --> 00:01:23,716
to the station.

28
00:01:24,326 --> 00:01:28,996
But they will also carry an
Olympic torch outside as part

29
00:01:28,996 --> 00:01:32,616
of the torch relay, leading
up to the winter Olympic Games

30
00:01:32,806 --> 00:01:35,366
in Sochi Russia,
beginning in February.

31
00:01:35,976 --> 00:01:37,466
That torch is going
to be delivered

32

00:01:37,466 --> 00:01:40,966
to the station onboard a Soyuz
vehicle early next month,

33
00:01:41,446 --> 00:01:43,976
and then returned to the
ground with Yurchikhin

34
00:01:43,976 --> 00:01:47,536
and his departing Soyuz
crew on November the 10th.

35
00:01:48,046 --> 00:01:50,536
The U.S. segment
crewmembers spent most

36
00:01:50,536 --> 00:01:54,166
of their day preparing the
Cygnus vehicle for departure.

37
00:01:54,426 --> 00:01:57,116
To wrap up its successful
demonstration flight

38
00:01:57,386 --> 00:01:59,486
when it leaves the
station on Tuesday,

39
00:01:59,596 --> 00:02:02,326
flight engineers Karen Nyberg

40
00:02:02,326 --> 00:02:06,376
and Luca Parmitano did the
last work inside the ship

41
00:02:06,616 --> 00:02:09,976
that arrived on September
the 29th, and closed it

42
00:02:09,976 --> 00:02:13,586

out for departure by removing
the ventilation ducting

43
00:02:13,836 --> 00:02:14,856
and some handrails.

44
00:02:15,446 --> 00:02:17,986
They then closed the
cargo ship's hatch

45
00:02:18,246 --> 00:02:20,336
at 5:42 this morning.

46
00:02:21,056 --> 00:02:23,146
Later in the day, Parmitano

47
00:02:23,146 --> 00:02:26,316
and Mike Hopkins
disconnected the power jumpers

48
00:02:26,316 --> 00:02:29,776
in the vestibule between
Cygnus and the Harmony module,

49
00:02:30,056 --> 00:02:32,796
and reinstalled the power
controller assemblies

50
00:02:32,796 --> 00:02:35,146
that operate the common
birthing mechanism.

51
00:02:35,606 --> 00:02:37,056
That is the mechanism

52
00:02:37,056 --> 00:02:40,466
which holds the cargo ship
tightly to the station.

53

00:02:41,126 --> 00:02:43,756
That was all done
so that Parmitano

54
00:02:43,756 --> 00:02:48,966
and Nyberg could then close the
Harmony hatch on that vestibule

55
00:02:49,356 --> 00:02:51,656
to begin deep pressurization
of that area

56
00:02:51,656 --> 00:02:53,116
between the two vehicles.

57
00:02:53,826 --> 00:02:56,206
Hopkins, Parmitano
and Nyberg will wrap

58
00:02:56,206 --> 00:03:00,036
up their day reviewing Cygnus
departure procedures before the

59
00:03:00,036 --> 00:03:01,876
Tuesday morning unbirthing.

60
00:03:02,206 --> 00:03:05,706
At that time, Parmitano
will be at the command

61
00:03:05,706 --> 00:03:07,476
of the station's Kenned
Dorm 2 [assumed spelling]

62
00:03:07,866 --> 00:03:10,596
to remove Cygnus from
its docking port,

63
00:03:11,046 --> 00:03:13,566
and move it out away from

the station structure,

64
00:03:13,956 --> 00:03:15,876
and release it into free flight.

65
00:03:16,396 --> 00:03:18,856
All of that activity will
start just a little bit

66
00:03:18,856 --> 00:03:21,796
after four o'clock
central time on Tuesday.

67
00:03:22,236 --> 00:03:24,896
The unbirthing starts
about five o'clock,

68
00:03:25,286 --> 00:03:29,306
and release of Cygnus
happens at 6:30 Central time.