1
00:00:00,833 --> 00:00:05,004
>> Good morning.

2
00:00:05,004 --> 00:00:06,906
This is Mission Control Houston.

3
00:00:06,906 --> 00:00:09,308
Welcome and thank you for
joining us for today's edition

4
00:00:09,308 --> 00:00:13,746
of "Space Station Live"
this Wednesday, August 21st.

5
00:00:13,746 --> 00:00:16,215
In a final preparation
for tomorrow's spacewalk

6
00:00:16,215 --> 00:00:19,718
that will start outside the
Pirs docking compartment,

7
00:00:19,718 --> 00:00:22,988
flight engineers
Yurchikhin and Misurkin had

8
00:00:22,988 --> 00:00:24,723
to review their timeline
with specialists

9
00:00:24,723 --> 00:00:27,460
on the ground this morning for
their planned excursion again

10
00:00:27,460 --> 00:00:30,096
that is planned for
tomorrow morning.

11
00:00:30,096 --> 00:00:34,066

That spacewalk is to begin
at 6:40 a.m. Central Time.

12
00:00:34,066 --> 00:00:37,336
The two cosmonauts will venture
outside the orbiting complex

13
00:00:37,336 --> 00:00:40,206
to replace a laser
communications experiment

14
00:00:40,206 --> 00:00:42,975
with a platform for
the installation

15
00:00:42,975 --> 00:00:47,813
of a small optical telescope and
also to remove a docking target

16
00:00:47,813 --> 00:00:49,648
from the Pirs docking assembly.

17
00:00:49,648 --> 00:00:53,419
The crew will also be inspecting
the Vesda service module antenna

18
00:00:53,419 --> 00:00:56,889
covers to ensure they
are securely fastened.

19
00:00:56,889 --> 00:00:59,558
This additional task coming
after the crew discovered

20
00:00:59,558 --> 00:01:02,228
on Monday one of these
antenna covers had come loose

21
00:01:02,228 --> 00:01:06,499
and floated away as you

can see here in this video.

22
00:01:06,499 --> 00:01:08,534
Misurkin also will
have some time along

23
00:01:08,534 --> 00:01:10,703
with Space Station
commander Vinogradov

24
00:01:10,703 --> 00:01:14,440
and flight engineer Chris
Cassidy for a suited fit check

25
00:01:14,440 --> 00:01:17,243
of their customized body
contoured seats inside their

26
00:01:17,243 --> 00:01:20,379
Soyuz spacecraft that brought
them to the Space Station

27
00:01:20,379 --> 00:01:22,815
and is docked to the
[inaudible] module.

28
00:01:22,815 --> 00:01:25,351
The trio, who arrived at the
Space Station together back

29
00:01:25,351 --> 00:01:27,853
in March earlier this year,
will don their [inaudible] suits

30
00:01:27,853 --> 00:01:31,257
and get into their tailor-made
shock absorbing seats

31
00:01:31,257 --> 00:01:34,126
to ensure a safe and proper fit

before their scheduled return

32
00:01:34,126 --> 00:01:36,529
to Earth next month
in Kazakhstan.

33
00:01:36,529 --> 00:01:41,000
In addition to preparing for
his departure in a few weeks,

34
00:01:41,000 --> 00:01:43,502
Cassidy is shown here
in this video has worked

35
00:01:43,502 --> 00:01:47,406
to replace a filter component
for the water recovery system.

36
00:01:47,406 --> 00:01:49,975
The water recovery system
converts urine, sweat,

37
00:01:49,975 --> 00:01:53,979
and condensation into
drinkable water for the crew,

38
00:01:53,979 --> 00:01:57,550
and flight engineer Luca
Parmitano will perform regularly

39
00:01:57,550 --> 00:01:58,784
scheduled maintenance

40
00:01:58,784 --> 00:02:02,188
of the compound specific
analyzer combustion products

41
00:02:02,188 --> 00:02:04,023
that is used on the
International Space Station

42
00:02:04,023 --> 00:02:07,860
as a warning monitor of
smoldering or combustion events,

43
00:02:07,860 --> 00:02:12,031
and after any fire event, too,
indicate toxic gas levels.

44
00:02:12,031 --> 00:02:15,201
Parmitano and flight engineer
Nyberg also will work together

45
00:02:15,201 --> 00:02:18,938
to replace rope hardware within
the onboard gym equipment known

46
00:02:18,938 --> 00:02:21,640
as the advanced resistive
exercise device

47
00:02:21,640 --> 00:02:24,243
that simulates weight
lifting here on Earth.

48
00:02:24,243 --> 00:02:25,678
Each of the crew
members will then put

49
00:02:25,678 --> 00:02:28,814
in their daily two hours of
exercise using onboard equipment

50
00:02:28,814 --> 00:02:32,718
that includes the station
bicycle, the treadmill,

51
00:02:32,718 --> 00:02:36,722
and also an advanced
resistive exercise device.

52
00:02:36,722 --> 00:02:38,123
The crew will then
wrap up the day

53
00:02:38,123 --> 00:02:41,260
with a final daily planning
conference with the ground

54
00:02:41,260 --> 00:02:43,996
and will then have time for
dinner and personal wind

55
00:02:43,996 --> 00:02:46,699
down time before entering
their sleep period.

56
00:02:46,699 --> 00:02:49,368
The crew will begin their
sleep period early today