
EXPEDITION 31
OLEG KONONENKO
Commander

1
00:00:01,870 --> 00:00:04,260
Good morning this is
Mission Control Houston.

2
00:00:04,260 --> 00:00:06,530
Welcome and thank you for
joining us for today's edition

3
00:00:06,530 --> 00:00:09,660
of ISS update this
Monday, May 14.

4
00:00:09,660 --> 00:00:13,390
Aboard the orbiting complex
station Commander cosmonaut Oleg

5
00:00:13,390 --> 00:00:17,050
Kononenko and Flight Engineers
European Space Agency astronaut

6
00:00:17,050 --> 00:00:20,980
Andre Kuipers and NASA astronaut
Don Pettit began their third

7
00:00:20,980 --> 00:00:25,760
week as the Expedition 31 crew
and their 21st week in space.

8
00:00:25,760 --> 00:00:28,500
Meanwhile back on Earth
cosmonauts Gennady Padalka

9
00:00:28,500 --> 00:00:32,070
and Sergei Revin and NASA
astronaut Joe Acaba are now

10
00:00:32,070 --> 00:00:33,430
in their sleep period
in Baikonur,

11
00:00:33,430 --> 00:00:37,090
Kazakhstan from where they
will launch aboard their Soyuz

12
00:00:37,090 --> 00:00:38,870
[TMA-]04M to the
International Space Station

13
00:00:38,870 --> 00:00:41,020
in less than 12 hours.

14
00:00:41,020 --> 00:00:42,920
Final countdown of
tonight's launch

15
00:00:42,920 --> 00:00:44,210
from the Baikonur Cosmodrome

16
00:00:44,210 --> 00:00:47,850
in Kazakhstan will begin
at 2 PM central time.

17
00:00:47,850 --> 00:00:50,710
Live coverage at the launch will
begin here on NASA television

18
00:00:50,710 --> 00:00:55,010
at 9 PM central time,
10 PM Eastern time.

19
00:00:55,010 --> 00:00:56,660
That'll be followed
by the liftoff

20
00:00:56,660 --> 00:00:59,750
at 10:01 PM central time.

21
00:00:59,750 --> 00:01:02,550
The trio will join the crew

aboard the orbiting complex

22
00:01:02,550 --> 00:01:04,840
on Wednesday when their
Soyuz spacecraft docks

23
00:01:04,840 --> 00:01:08,870
to the Poisk module after their
two-day voyage to the station.

24
00:01:08,870 --> 00:01:10,990
Live coverage of
Soyuz launch, docking

25
00:01:10,990 --> 00:01:13,560
and hatch opening will be
aired here on NASA television.

26
00:01:13,560 --> 00:01:16,040
Again that launch
coverage will begin tonight

27
00:01:16,040 --> 00:01:18,670
at 9 PM central time.

28
00:01:18,670 --> 00:01:21,780
Today station Commander
Oleg Kononenko is busy

29
00:01:21,780 --> 00:01:24,310
with some maintenance
work to pump wastewater

30
00:01:24,310 --> 00:01:27,810
to water tank aboard Progress
for its eventual disposal,

31
00:01:27,810 --> 00:01:30,090
while flight engineers
Andre Kuipers

32
00:01:30,090 --> 00:01:33,100
and Don Pettit work together
to perform the closeout

33
00:01:33,100 --> 00:01:34,250
of a replacement of one

34
00:01:34,250 --> 00:01:38,090
of the station's attitude
control systems GPS.

35
00:01:38,090 --> 00:01:40,790
The repair work is to recover
communication connection

36
00:01:40,790 --> 00:01:44,250
of a failed GPS that was
discovered late last week.

37
00:01:44,250 --> 00:01:48,490
The replacement is necessary to
accommodate upcoming rendezvous

38
00:01:48,490 --> 00:01:52,010
and docking of SpaceX's
Dragon commercial spacecraft

39
00:01:52,010 --> 00:01:56,240
that is scheduled to launch at
the end of this week on may 19.

40
00:01:56,240 --> 00:01:59,230
Earlier this morning Commander
Kononenko spent some time

41
00:01:59,230 --> 00:02:02,010
monitoring a Russian study
known as Matryoshka that looks

42
00:02:02,010 --> 00:02:05,020
at radiation exposure of
long-term spaceflight.

43
00:02:05,020 --> 00:02:07,620
He also spent some time this
morning collecting air samples

44
00:02:07,620 --> 00:02:09,940
for analysis, performed
some maintenance

45
00:02:09,940 --> 00:02:12,350
to the Russian life
support system known as SOZh

46
00:02:12,350 --> 00:02:14,700
and also conducted the
quarterly maintenance

47
00:02:14,700 --> 00:02:17,800
to the onboard treadmill
exercise equipment.

48
00:02:17,800 --> 00:02:21,640
Flight Engineer Don Pettit
spent his morning working

49
00:02:21,640 --> 00:02:25,440
to reestablish the communication
connection with that failed GPS

50
00:02:25,440 --> 00:02:27,560
and also troubleshoot with
the ground controllers before

51
00:02:27,560 --> 00:02:30,960
setting up to remove and replace
it with an onboard spare.

52
00:02:30,960 --> 00:02:33,510
He and Andre Kuipers also
spent some time this morning

53
00:02:33,510 --> 00:02:36,820
collecting biological
samples and in participation

54
00:02:36,820 --> 00:02:38,310
in the ENERGY experiment.

55
00:02:38,310 --> 00:02:40,780
That experiment measures
the changes