



1  
00:00:01,880 --> 00:00:04,660  
Good morning once again from  
NASA's Johnson Space Center.

2  
00:00:04,660 --> 00:00:06,680  
This is Mission Control Houston.

3  
00:00:06,680 --> 00:00:11,530  
A view inside the International Space  
Station flight control room as a team

4  
00:00:11,530 --> 00:00:15,980  
of flight controllers watches over  
systems aboard the orbiting complex.

5  
00:00:15,980 --> 00:00:20,940  
The team today is led by  
flight director Ed Van Cise.

6  
00:00:20,940 --> 00:00:28,400  
He is serving as the leader for the team  
overseeing this team throughout the daytime

7  
00:00:28,400 --> 00:00:37,180  
hours here in Houston which is essentially  
the midpoint of the crew's workday on orbit.

8  
00:00:37,180 --> 00:00:40,100  
Joining him is veteran astronaut Anna Fisher.

9  
00:00:40,100 --> 00:00:45,900  
She's handling the communications link  
between the Houston flight control room,

10  
00:00:45,900 --> 00:00:50,830  
the team here in mission control, and the  
crew onboard the International Space Station.

11  
00:00:50,830 --> 00:00:57,450

The ISS is tracking around the Earth every 92 minutes at an altitude

12

00:00:57,450 --> 00:01:03,690  
of about 250 statute miles just about to move into an orbital sunset off the coast

13

00:01:03,690 --> 00:01:09,350  
of Somalia tracking southeasterly that will take it high above the northern coastline

14

00:01:09,350 --> 00:01:13,030  
of the island of Madagascar and then out over the Indian Ocean

15

00:01:13,030 --> 00:01:17,820  
and then skirting along the western coast of New Zealand then

16

00:01:17,820 --> 00:01:21,840  
out across the Pacific into an orbital sunrise.

17

00:01:21,840 --> 00:01:27,030  
The crew onboard the International Space Station, Expedition 31,

18

00:01:27,030 --> 00:01:32,670  
is made up of Commander Oleg Kononenko, you see in the center of the picture.

19

00:01:32,670 --> 00:01:39,130  
On the right in this view is European Space Agency astronaut Andre Kuipers

20

00:01:39,130 --> 00:01:40,390  
from the Netherlands.

21

00:01:40,390 --> 00:01:45,540  
And on the left is astronaut from the United States Don Pettit.

22  
00:01:45,540 --> 00:01:55,040  
All three crew members have previous spaceflight experience and they're now in their 141st day

23  
00:01:55,040 --> 00:02:01,330  
in space 139 of those aboard the International Space Station on a long-duration mission headed

24  
00:02:01,330 --> 00:02:10,410  
for a total of about 193 days before they return home on their scheduled date of Sunday, July 1.

25  
00:02:11,450 --> 00:02:16,590  
On this Wednesday onboard the station, the crew is focusing on a number

26  
00:02:16,590 --> 00:02:18,920  
of activities around the station.

27  
00:02:18,920 --> 00:02:24,470  
They're spread out in the three different locations with Don Pettit working

28  
00:02:24,470 --> 00:02:29,120  
with some cargo transfer from the Automated Transfer Vehicle number three,

29  
00:02:29,120 --> 00:02:33,980  
the Edoardo Amaldi, supplied to the station program by the European Space Agency.

30  
00:02:33,980 --> 00:02:38,480  
He's also been working a great deal of time in a rack associated

31  
00:02:38,480 --> 00:02:42,450  
with the combustion experiment on board the station as well.

32  
00:02:42,450 --> 00:02:52,950  
He's been working with swapping out one of  
the fluid tanks associated with that piece

33  
00:02:52,950 --> 00:02:58,530  
of hardware that takes up almost an  
entire rack assembly inside the station's

34  
00:02:58,530 --> 00:03:00,930  
Destiny laboratory.

35  
00:03:02,030 --> 00:03:10,100  
Kuipers spent the day cleaning filters in three  
of the US connecting nodes and also working

36  
00:03:10,100 --> 00:03:15,050  
with the Japanese Kibo laboratory, straightening  
it up ahead of the arrival later this summer

37  
00:03:15,050 --> 00:03:21,000  
of the third H2 transfer vehicle that's provided  
to the International Space Station program

38  
00:03:21,000 --> 00:03:24,820  
by the Japanese Aerospace Exploration Agency.

39  
00:03:24,820 --> 00:03:29,440  
And Commander Oleg Kononenko is working  
in the Russian segment of the station.

40  
00:03:29,440 --> 00:03:34,290  
He's been using the counter measure system  
to take readings of any harmful contaminants