



1  
00:00:01,700 --> 00:00:05,640  
Good day and welcome to Mission  
Control Houston, where it's another day

2  
00:00:05,640 --> 00:00:07,280  
for the flight control team watching

3  
00:00:07,280 --> 00:00:11,050  
over the Expedition 30 crew aboard  
the International Space Station.

4  
00:00:11,050 --> 00:00:14,260  
Everything working very well onboard  
the space station as the crew continues

5  
00:00:14,260 --> 00:00:18,670  
to do scientific research work as  
well as a lot of maintenance today.

6  
00:00:18,670 --> 00:00:21,960  
Among the different activities  
that are being conducted

7  
00:00:21,960 --> 00:00:29,620  
by the crew today are some cabin fan assembly  
cleaning where the crew does a full inspection

8  
00:00:29,620 --> 00:00:33,350  
and look at the vent system that's used

9  
00:00:33,350 --> 00:00:36,090  
to circulate air throughout the  
International Space Station.

10  
00:00:36,090 --> 00:00:40,850  
That's very important with the lack  
of gravity on board the station

11  
00:00:40,850 --> 00:00:45,690

because if you don't circulate the air properly  
you could have pockets of carbon dioxide buildup

12

00:00:45,690 --> 00:00:47,420

which could be harmful to the crew.

13

00:00:47,420 --> 00:00:52,930

This is some video recorded of Andre Kuipers  
as he worked with that assembly inspection

14

00:00:52,930 --> 00:00:58,130

of the various ventilation systems and pumps  
that move air throughout the space station.

15

00:00:58,130 --> 00:01:04,090

In addition the crew in the Russian segment  
of the space station working on an inspection

16

00:01:04,090 --> 00:01:06,820

of the Treadmill Vibration Isolation System.

17

00:01:06,820 --> 00:01:10,770

That's the treadmill in the floor  
of the Zvezda service module

18

00:01:10,770 --> 00:01:14,560

and use by Russian astronauts,  
cosmonauts to exercise.

19

00:01:14,560 --> 00:01:20,240

That treadmill system originally  
built by NASA has since been deeded

20

00:01:20,240 --> 00:01:26,880

to the Russian Federal Space Agency, one of the  
five partners in this international collection

21

00:01:26,880 --> 00:01:30,790

of agencies, and is used to,  
as a secondary exerciser,

22

00:01:30,790 --> 00:01:34,870

as a full gym in the Tranquility module of the International Space Station.

23

00:01:34,870 --> 00:01:39,260

Includes another treadmill, an Advanced Resistive Exercise Device

24

00:01:39,260 --> 00:01:43,070

and there are also several stationary bicycles on board the space station.

25

00:01:43,070 --> 00:01:46,320

Here in the flight control room Ron Spencer is the flight director that's

26

00:01:46,320 --> 00:01:47,610

in charge of the team.

27

00:01:47,610 --> 00:01:49,560

Hal Getzleman is the communicator.

28

00:01:49,560 --> 00:01:54,600

He'll be talking with the crew on anything that requires voice communication.

29

00:01:54,600 --> 00:01:57,600

The crew onboard the space station of course is Commander Dan Burbank,

30

00:01:57,600 --> 00:02:02,210

Flight Engineers Anton Shkaplerov and Anatoly Ivanishin,

31

00:02:02,210 --> 00:02:05,520

as well as Oleg Kononenko of the Russian Space Agency.

32

00:02:05,520 --> 00:02:08,080

Also on board, Flight Engineer Don Pettit

33

00:02:08,080 --> 00:02:12,120

and Flight Engineer Andre Kuipers  
of the European Space Agency.

34

00:02:12,120 --> 00:02:17,740

Today's activities in addition to  
do the maintenance will be work

35

00:02:17,740 --> 00:02:24,030

with several different experiments, and  
that will include fluid experiments,

36

00:02:24,030 --> 00:02:28,670

as well as some materials  
experiments that are going on today.

37

00:02:30,010 --> 00:02:34,560

All told, the activities on station  
going really well, and Commander Burbank

38

00:02:34,560 --> 00:02:38,440

and Flight Engineer Kuipers  
completed an educational event

39

00:02:38,440 --> 00:02:42,590

with the Tri-District Consortium  
of Schools of Newton New Jersey.