



1  
00:00:01,620 --> 00:00:03,400  
This is Mission Control Houston.

2  
00:00:03,400 --> 00:00:07,110  
The Expedition 33 crew members  
onboard the International Space

3  
00:00:07,110 --> 00:00:09,520  
Station kicked off  
the week focusing

4  
00:00:09,520 --> 00:00:13,030  
on upcoming visiting  
vehicle operations.

5  
00:00:13,030 --> 00:00:17,320  
Flight engineer Aki Hoshide  
first off activated the Re-Entry

6  
00:00:17,320 --> 00:00:19,900  
Breakup Recorder  
and installed it

7  
00:00:19,900 --> 00:00:22,870  
in the Automated Transfer  
Vehicle number three.

8  
00:00:22,870 --> 00:00:26,160  
During the ATV descent  
through the atmosphere

9  
00:00:26,160 --> 00:00:31,680  
after its undocking on [Tuesday]  
afternoon the REBR records data

10  
00:00:31,680 --> 00:00:35,180  
during that re-entry -- records  
temperature and acceleration,

11

00:00:35,180 --> 00:00:39,420  
rotational rates and more --  
all of that to be transmitted

12

00:00:39,420 --> 00:00:43,830  
and then studied to help design  
future spacecraft that pose less

13

00:00:43,830 --> 00:00:46,350  
of a hazard during re-entry.

14

00:00:46,350 --> 00:00:50,290  
Hoshide then joined Flight  
Engineer Yuri Malenchenko

15

00:00:50,290 --> 00:00:54,130  
for some ATV undocking  
training before they both went

16

00:00:54,130 --> 00:00:58,180  
to work closing the hatches  
between ATV and station.

17

00:00:58,180 --> 00:01:01,050  
The leak checks will be  
conducted through the night

18

00:01:01,050 --> 00:01:04,230  
in advance of the  
scheduled undocking of ATV

19

00:01:04,230 --> 00:01:09,360  
on Tuesday afternoon at  
5:35 PM Houston time.

20

00:01:09,360 --> 00:01:12,270  
Hoshide also worked with  
Commander Suni Williams

21

00:01:12,270 --> 00:01:14,940

on Monday training for  
next month's arrival

22

00:01:14,940 --> 00:01:18,360  
of the Dragon spacecraft --  
the commercial cargo ship,

23

00:01:18,360 --> 00:01:21,060  
which targeted for its  
first operational flight

24

00:01:21,060 --> 00:01:24,810  
to the International Space  
Station in early October.

25

00:01:24,810 --> 00:01:29,220  
The Dragon now targeted to  
launch on October 7 and dock

26

00:01:29,220 --> 00:01:32,540  
to the space station  
on October 10.

27

00:01:32,540 --> 00:01:35,630  
Crew members did some  
computer-based training using

28

00:01:35,630 --> 00:01:40,160  
the Canadarm2 to grapple Dragon  
when it approaches the station

29

00:01:40,160 --> 00:01:42,850  
and then berth it to  
the Harmony node just

30

00:01:42,850 --> 00:01:45,200  
as was done during  
the first Dragon visit

31

00:01:45,200 --> 00:01:48,310

to the station during its  
demonstration flight back

32

00:01:48,310 --> 00:01:49,830  
in May.

33

00:01:49,830 --> 00:01:53,240  
Williams spent time during  
her afternoon on maintenance

34

00:01:53,240 --> 00:01:55,160  
in the Tranquility module.

35

00:01:55,160 --> 00:01:57,570  
She's replacing air  
selector valves

36

00:01:57,570 --> 00:02:00,390  
in the Carbon Dioxide  
Removal Assembly.

37

00:02:00,390 --> 00:02:01,750  
That's a key component

38

00:02:01,750 --> 00:02:04,970  
of the station's regenerative  
life support system.

39

00:02:04,970 --> 00:02:07,150  
The CDRA and other elements

40

00:02:07,150 --> 00:02:10,910  
of that system maintain a  
healthful environment onboard

41

00:02:10,910 --> 00:02:15,110  
for the station crew members  
to live and do their work.

42

00:02:15,110 --> 00:02:18,260

On Tuesday the crew members  
will do maintenance and focus

43

00:02:18,260 --> 00:02:20,520

on gathering data  
for experiments

44

00:02:20,520 --> 00:02:23,270

into how the microgravity  
environment impacts the

45

00:02:23,270 --> 00:02:23,970

human body.

46

00:02:23,970 --> 00:02:28,380

And they will also have a midday  
nap built into their schedule.

47

00:02:28,380 --> 00:02:31,050

That's because they will  
be up later than usual

48

00:02:31,050 --> 00:02:35,220

on Tuesday afternoon to  
support the undocking of the ATV

49

00:02:35,220 --> 00:02:37,900

at 5:35 p.m. Central time.

50

00:02:37,900 --> 00:02:39,840

NASA TV coverage  
of the departure

51

00:02:39,840 --> 00:02:43,930

of the European Space Agency's  
Edoardo Amaldi cargo vehicle