



1
00:00:00,506 --> 00:00:06,556
[Music]

2
00:00:07,056 --> 00:00:07,676
>> [Background Music]
Good morning.

3
00:00:07,826 --> 00:00:08,746
This is Mission Control

4
00:00:08,996 --> 00:00:11,066
at the Johnson Space
Center in Houston, Texas.

5
00:00:11,666 --> 00:00:14,216
On orbit we have the
Expedition 35 crew

6
00:00:14,556 --> 00:00:16,686
of Commander Chris
Hadfield joined

7
00:00:16,686 --> 00:00:19,806
by cosmonauts Pavel
Vinogradov, Alexander Misurkin,

8
00:00:19,956 --> 00:00:23,206
Roman Romanenko and NASA
astronauts Chris Cassidy

9
00:00:23,206 --> 00:00:24,186
and Tom Marshburn.

10
00:00:24,656 --> 00:00:26,186
First up for the crew,

11
00:00:26,186 --> 00:00:30,176
especially for Commander Chris
Hadfield was some dietary logs

12

00:00:30,176 --> 00:00:32,316
as part of the ongoing
energy experiment.

13

00:00:32,316 --> 00:00:35,476
This is a study being conducted
by the European Space Agency,

14

00:00:35,816 --> 00:00:37,226
which has the crew
members adhering

15

00:00:37,226 --> 00:00:40,016
to a strict regimented
diet and also,

16

00:00:40,016 --> 00:00:43,786
monitors their oxygen uptake
as a study of their metabolism.

17

00:00:43,786 --> 00:00:46,316
This will help ensure
proper nutrition

18

00:00:46,526 --> 00:00:48,936
to maximize crew performance
in future missions.

19

00:00:49,346 --> 00:00:50,546
[Background talking]
Chris Hadfield was joined

20

00:00:50,546 --> 00:00:54,956
by NASA astronaut Tom Marshburn
for work on the upgrades

21

00:00:54,956 --> 00:00:56,836
to the KU communications system.

22

00:00:57,146 --> 00:00:57,916

This morning they worked

23

00:00:57,916 --> 00:01:01,526

on the high rate communications
system Unit One installation.

24

00:01:01,526 --> 00:01:03,446

That lasted about
4 and a half hours.

25

00:01:03,846 --> 00:01:05,516

Hadfield and Marshburn
have spent most

26

00:01:05,516 --> 00:01:08,326

of the day installing the
redundant KU communications unit

27

00:01:08,636 --> 00:01:11,716

to complete the refurbishment
of the stations KU system.

28

00:01:12,186 --> 00:01:14,946

That KU Comm Unit Two, which
was installed and checked

29

00:01:14,946 --> 00:01:17,396

out last week will continue
to be the prime unit

30

00:01:17,396 --> 00:01:19,526

for the new high rate
communications system,

31

00:01:19,996 --> 00:01:22,826

with Unit One serving for
the time being as a backup.

32

00:01:23,686 --> 00:01:27,826
Their fellow crewmate Chris
Cassidy spent his morning doing

33
00:01:27,826 --> 00:01:30,266
a number of maintenance
tasks, including some work

34
00:01:30,266 --> 00:01:31,736
on the environmental
health system.

35
00:01:32,166 --> 00:01:36,566
He had about three hours
dedicated to the replacement

36
00:01:36,926 --> 00:01:38,656
of radiation area monitors.

37
00:01:38,656 --> 00:01:40,906
There was about 25 of
those placed throughout the

38
00:01:40,906 --> 00:01:42,076
International Space Station.

39
00:01:42,486 --> 00:01:45,646
The removed the original
25 and replaced them

40
00:01:45,646 --> 00:01:47,596
with new radiation monitors.

41
00:01:47,946 --> 00:01:49,866
It's Cassidy who's
also a new arrival

42
00:01:49,866 --> 00:01:52,616
on the International Space
Station has a few hours this

43

00:01:52,616 --> 00:01:55,406
afternoon dedicated to the
cleanup of the crew quarters

44

00:01:55,776 --> 00:01:58,686
that will continue throughout
the afternoon for him.

45

00:01:59,796 --> 00:02:02,546
He'll also have a private
routine medical checkup,

46

00:02:02,546 --> 00:02:03,936
and exercise sessions.

47

00:02:04,496 --> 00:02:07,676
Meanwhile their cosmonaut
counterparts Pavel Vinogradov

48

00:02:07,676 --> 00:02:09,796
and Roman Romanenko continued

49

00:02:09,796 --> 00:02:11,486
with their spacewalk
preparations.

50

00:02:12,056 --> 00:02:14,056
[Background talking] Today's
activities included preparations

51

00:02:14,056 --> 00:02:17,076
of the toolkit, as well as,
continued battery charging,

52

00:02:17,076 --> 00:02:18,976
as well as, some
sizing configurations

53

00:02:18,976 --> 00:02:19,826
for the two suits.

54

00:02:20,266 --> 00:02:22,086
That again, preparation
for a spacewalk

55

00:02:22,116 --> 00:02:23,756
that is scheduled
for April 19th.

56

00:02:23,886 --> 00:02:26,496
During that planning excursion
outside of the space station,

57

00:02:26,896 --> 00:02:29,496
the two cosmonauts will deploy
and retrieve experiments

58

00:02:29,496 --> 00:02:33,186
and replace a retro reflector
navigational aid on the exterior

59

00:02:33,186 --> 00:02:35,446
of the Zvezda service
module that will be used

60

00:02:36,026 --> 00:02:40,386
by the European Space Agency's
ATV vehicle named Albert

61

00:02:40,386 --> 00:02:42,966
Einstein, that is
planned to dock

62

00:02:42,966 --> 00:02:44,546
to the space station in June.

63

00:02:45,396 --> 00:02:48,406
Their fellow cosmonaut

Alexander Misurkin worked

64

00:02:48,406 --> 00:02:49,846
on some science experiments,

65

00:02:50,156 --> 00:02:53,226
including the Chromatamass
experiment,

66

00:02:53,226 --> 00:02:55,386
and also did some saliva
and blood collections.

67

00:02:55,786 --> 00:02:58,296
He also worked on the
Constanta experiment

68

00:02:58,296 --> 00:03:01,326
which studies the effect of
microgravity on a enzyme.

69

00:03:02,316 --> 00:03:04,356
Again all of those
activities going smoothly,

70

00:03:04,356 --> 00:03:07,586
and we're in the early part of
the crew day that will continue

71

00:03:07,586 --> 00:03:08,566
for the next several hours.

72

00:03:08,596 --> 00:03:11,196
They are scheduled for
off duty and personal time

73

00:03:11,366 --> 00:03:13,836
around 2:30 p.m. Central
Time and crew sleep planned

