
35

1
00:00:00,506 --> 00:00:06,266
[Music]

2
00:00:06,766 --> 00:00:10,156
>> The International Space
Station's Expedition 35 crew has

3
00:00:10,236 --> 00:00:14,036
kicked off week 6 on orbit
with a focus on preparing

4
00:00:14,036 --> 00:00:17,866
for upcoming science operations
while they have been tending

5
00:00:17,866 --> 00:00:21,226
to the maintenance of their
home and laboratory on orbit.

6
00:00:22,006 --> 00:00:24,296
After this morning's
daily planning conference,

7
00:00:24,366 --> 00:00:27,136
Commander Chris Hadfield
performed some setup work

8
00:00:27,136 --> 00:00:29,986
for later activities
with a variety

9
00:00:29,986 --> 00:00:31,816
of human life science studies.

10
00:00:32,216 --> 00:00:34,236
He then performed
routine maintenance

11
00:00:34,456 --> 00:00:38,236

on the station's advanced
resisted exercise device before

12
00:00:38,236 --> 00:00:41,606
conducting his own morning
exercise on that apparatus

13
00:00:41,956 --> 00:00:44,806
which helps simulate
weightlifting;

14
00:00:44,806 --> 00:00:48,066
it allows crew members to
put some load on their bones

15
00:00:48,066 --> 00:00:51,056
and muscles to maintain
their physical fitness.

16
00:00:51,576 --> 00:00:54,006
He also spent time today
gathering materials

17
00:00:54,006 --> 00:00:55,946
for a Tuesday maintenance task

18
00:00:56,186 --> 00:00:58,446
in which he'll be
replacing a water valve

19
00:00:58,446 --> 00:00:59,756
in the Columbus module.

20
00:01:00,396 --> 00:01:02,626
After lunch, Hadfield
talked with students

21
00:01:02,626 --> 00:01:05,896
at an event launching the
Canadian National Film Board's

22
00:01:05,896 --> 00:01:10,406
Interactive Multimedia Website
called NFB Space School.

23
00:01:11,076 --> 00:01:13,436
Hadfield then worked in
the unity module to set

24
00:01:13,436 --> 00:01:15,976
up for later testing
that will be done

25
00:01:15,976 --> 00:01:19,156
to characterize the electrical
current flow onboard the

26
00:01:19,156 --> 00:01:19,786
space station.

27
00:01:20,916 --> 00:01:23,906
Flight Engineer Chris Cassidy
started his day replacing

28
00:01:23,906 --> 00:01:27,236
hardware in the combustion
integrated rack to prepare

29
00:01:27,236 --> 00:01:30,556
for future operations with
a variety of experiments

30
00:01:30,556 --> 00:01:33,726
into the nature and
the behavior of flames

31
00:01:33,916 --> 00:01:35,456
in the microgravity environment.

32

00:01:35,796 --> 00:01:39,216
After lunch, Cassidy worked
to set up camera equipment

33
00:01:39,216 --> 00:01:43,176
in the lab window for the earth
cam experiment, an experiment

34
00:01:43,176 --> 00:01:46,076
that permits middle school
students to take pictures

35
00:01:46,076 --> 00:01:49,446
of specific targets on earth
from on board the station

36
00:01:49,916 --> 00:01:52,746
in order to complement
their study of geography.

37
00:01:53,086 --> 00:01:55,166
Flight Engineers
Alexander Mazurkin

38
00:01:55,166 --> 00:01:57,726
and Tom Marshburn worked
separately in the morning

39
00:01:57,726 --> 00:01:59,656
on computer maintenance tasks.

40
00:02:00,066 --> 00:02:03,996
Marshburn then stowed the
American spacewalking tools

41
00:02:04,346 --> 00:02:06,476
that had been used by Flight
Engineers [Foreign name]

42
00:02:06,606 --> 00:02:10,156

and Roman Romanenko
in Friday's spacewalk

43
00:02:10,406 --> 00:02:13,226
and Marshburn spent his
afternoon completing his

44
00:02:13,226 --> 00:02:16,596
scheduled exercise, as well
as some maintenance work

45
00:02:16,596 --> 00:02:18,966
on the toilet in the U.S.
segment of the station;

46
00:02:19,386 --> 00:02:21,706
while Mazurkin had his
own exercise session

47
00:02:22,036 --> 00:02:24,796
and then Russian systems
maintenance that continued

48
00:02:24,796 --> 00:02:25,986
after his lunch break.

49
00:02:26,826 --> 00:02:30,586
In the morning, [Foreign name]
and Romanenko completed practice

50
00:02:30,586 --> 00:02:33,336
with the [inaudible] system,
they were simulating use

51
00:02:33,336 --> 00:02:37,596
of a remote control system to
fly a progress cargo vehicle

52
00:02:37,766 --> 00:02:41,446
if that were to become necessary

during the progress' docking

53
00:02:41,686 --> 00:02:44,116
which is now scheduled
to take place on Friday.

54
00:02:44,686 --> 00:02:48,116
They followed that with
separate exercise sessions,

55
00:02:48,116 --> 00:02:51,256
as well as Russian systems
maintenance and after lunch,

56
00:02:51,516 --> 00:02:54,436
the two crew members had a tag
up with Russian specialists

57
00:02:54,436 --> 00:02:57,236
to review the activities
of Friday's spacewalk.

58
00:02:57,856 --> 00:03:00,846
On Tuesday, the Russian
crewmembers will be scheduled

59
00:03:00,846 --> 00:03:03,666
off duty in order to
get some extra rest

60
00:03:03,666 --> 00:03:05,586
after last Friday's spacewalk;

61
00:03:06,106 --> 00:03:08,726
while the three U.S. segment
crewmembers will be working

62
00:03:08,726 --> 00:03:11,376
on routine maintenance
and systems upgrades;

63
00:03:11,806 --> 00:03:15,126
plus some experiments in
the physics of fluid flows