Canada

1
00:00:09,190 --> 00:00:07,749
good morning thank you for joining us

2
00:00:10,870 --> 00:00:09,200
for space station live from the mission

3
00:00:13,030 --> 00:00:10,880
control center located at the johnson

4
00:00:14,629 --> 00:00:13,040
space center in houston texas

5
00:00:16,710 --> 00:00:14,639
on board the international space station

6
00:00:18,550 --> 00:00:16,720
we have the expedition 35 crew of nasa

7
00:00:21,109 --> 00:00:18,560
astronauts tom marshburn and chris

8
00:00:23,029 --> 00:00:21,119
cassidy joined by canadian space agency

9
00:00:25,429 --> 00:00:23,039
astronaut chris hadfield who is serving

10
00:00:27,910 --> 00:00:25,439
as expedition commander they're joined

11
00:00:30,550 --> 00:00:27,920
by cosmonauts alexander misurkin pavel

12
00:00:32,790 --> 00:00:30,560
vinogradov and roman romanenko

13
00:00:34,389 --> 00:00:32,800

the crew woke up at about 1am central

14
00:00:36,870 --> 00:00:34,399
time which is the standard wake-up time

15
00:00:38,709 --> 00:00:36,880
for the crew they usually have a few

16
00:00:40,069 --> 00:00:38,719
experiment sample collections and then

17
00:00:41,830 --> 00:00:40,079
some personal time for hygiene and

18
00:00:42,790 --> 00:00:41,840
breakfast before starting their tasks of

19
00:00:45,190 --> 00:00:42,800
the day

20
00:00:47,190 --> 00:00:45,200
some of the first activities included

21
00:00:49,270 --> 00:00:47,200
some data collections for commander

22
00:00:51,590 --> 00:00:49,280
chris hadfield who is participating in

23
00:00:54,549 --> 00:00:51,600
the energy european space agency

24
00:00:56,709 --> 00:00:54,559
experiment that is the 10-day experiment

25
00:00:58,389 --> 00:00:56,719
run that documents and studies the

26
00:01:00,630 --> 00:00:58,399
controlled diet and measuring of the

27
00:01:02,389 --> 00:01:00,640
oxygen intake of the crew members this

28
00:01:03,590 --> 00:01:02,399
is the first of a 10-day run of that

29
00:01:05,509 --> 00:01:03,600
experiment

30
00:01:07,670 --> 00:01:05,519
he also will be taking questions from

31
00:01:09,910 --> 00:01:07,680
students that will be part of a canadian

32
00:01:12,230 --> 00:01:09,920
space agency education event partnering

33
00:01:15,030 --> 00:01:12,240
with yuri's night and telus world of

34
00:01:16,710 --> 00:01:15,040
science in edmonton alberta canada

35
00:01:18,789 --> 00:01:16,720
meanwhile his counterparts astronaut

36
00:01:20,710 --> 00:01:18,799
chris cassidy continued with experiment

37
00:01:23,910 --> 00:01:20,720
work of his own continuing with work on

38
00:01:25,749 --> 00:01:23,920

the bass experiment that examines the

39
00:01:27,429 --> 00:01:25,759
burning and extinction characteristics

40
00:01:29,670 --> 00:01:27,439
of a wide variety of fuel samples in

41
00:01:31,910 --> 00:01:29,680
microgravity and will guide strategies

42
00:01:33,190 --> 00:01:31,920
for extinguishing fires in microgravity

43
00:01:35,510 --> 00:01:33,200
the results from this study will

44
00:01:36,950 --> 00:01:35,520
contribute to combustion computational

45
00:01:39,030 --> 00:01:36,960
models used in the design of fire

46
00:01:41,429 --> 00:01:39,040
detection and suppression systems in

47
00:01:43,910 --> 00:01:41,439
microgravity as well as on earth

48
00:01:46,870 --> 00:01:43,920
cassidy will also work on space station

49
00:01:49,190 --> 00:01:46,880
spare server laptop work as well as some

50
00:01:50,870 --> 00:01:49,200
exercise sessions he's also allocated

51
00:01:52,469 --> 00:01:50,880
for about an hour of continued

52
00:01:54,950 --> 00:01:52,479
adaptation and familiarization time

53
00:01:57,030 --> 00:01:54,960
aboard the international space station

54
00:01:59,190 --> 00:01:57,040
fellow astronaut tom marshburn worked on

55
00:02:01,429 --> 00:01:59,200
the water processing assembly software

56
00:02:03,429 --> 00:02:01,439
update and also resumed some work with

57
00:02:04,469 --> 00:02:03,439
robonaut the first humanoid robot in

58
00:02:06,550 --> 00:02:04,479
space

59
00:02:08,869 --> 00:02:06,560
today he powered up robonaut so that the

60
00:02:11,190 --> 00:02:08,879
ground team could work with the robonaut

61
00:02:13,110 --> 00:02:11,200
to perform some tasks on the soft good

62
00:02:14,790 --> 00:02:13,120
box and also conduct some additional

63
00:02:16,710 --> 00:02:14,800

movement checkouts that will be

64
00:02:18,949 --> 00:02:16,720
continuing at throughout the crew day

65
00:02:20,790 --> 00:02:18,959
and later tom marshburn will power down

66
00:02:22,550 --> 00:02:20,800
robonaut and stow it

67
00:02:24,070 --> 00:02:22,560
he's also working on changeouts of the

68
00:02:26,229 --> 00:02:24,080
recycling tank for the regenerative

69
00:02:28,070 --> 00:02:26,239
environmental control system as part of

70
00:02:29,830 --> 00:02:28,080
its periodic maintenance and performing

71
00:02:31,830 --> 00:02:29,840
software upgrades to the water

72
00:02:34,390 --> 00:02:31,840
processing assembly device

73
00:02:35,990 --> 00:02:34,400
astronaut marshburn will also work with

74
00:02:38,390 --> 00:02:36,000
chris cassidy on some maintenance for

75
00:02:40,309 --> 00:02:38,400
the advanced resistive exercise device

76
00:02:42,229 --> 00:02:40,319
they'll be completing some cylinder

77
00:02:44,550 --> 00:02:42,239
maintenance for the flywheel on that

78
00:02:46,790 --> 00:02:44,560
exercise hardware he'll also collect

79
00:02:47,830 --> 00:02:46,800
some data collections for the nanoracks

80
00:02:49,910 --> 00:02:47,840
research

81
00:02:52,229 --> 00:02:49,920
their russian counterparts cosmonauts

82
00:02:53,670 --> 00:02:52,239
pavel vinogradov and roman romanenko

83
00:02:55,910 --> 00:02:53,680
continued preparations for their

84
00:02:57,190 --> 00:02:55,920
spacewalk planned for april 19th they

85
00:02:59,430 --> 00:02:57,200
are charging the batteries on their

86
00:03:01,509 --> 00:02:59,440
orlan spacesuits as well as gathering

87
00:03:03,670 --> 00:03:01,519
spacesuit tools and other personal gear

88
00:03:06,070 --> 00:03:03,680

for that eva they'll also spend some

89
00:03:07,910 --> 00:03:06,080
time studying the spacewalk tasks and

90
00:03:10,149 --> 00:03:07,920
translation paths that they'll use for

91
00:03:12,149 --> 00:03:10,159
that activity during that planned

92
00:03:13,670 --> 00:03:12,159
excursion outside the station the two

93
00:03:16,309 --> 00:03:13,680
cosmonauts will deploy and retrieve

94
00:03:18,070 --> 00:03:16,319
experiments and replace a retroreflector

95
00:03:20,550 --> 00:03:18,080
navigational aid on the exterior of the

96
00:03:23,990 --> 00:03:20,560
zvezda service module that will be later

97
00:03:25,750 --> 00:03:24,000
used by the european space agency's atv

98
00:03:27,750 --> 00:03:25,760
or automated transfer vehicle number

99
00:03:30,630 --> 00:03:27,760
four when it approaches the station for

100
00:03:32,630 --> 00:03:30,640
its docking in june

101
00:03:34,070 --> 00:03:32,640
that will wrap up the cruise activities

102
00:03:36,070 --> 00:03:34,080
they'll have some personal time and