



1
00:00:03,830 --> 00:00:02,230
good morning and welcome to mission

2
00:00:05,749 --> 00:00:03,840
control houston and the international

3
00:00:07,110 --> 00:00:05,759
space station update

4
00:00:09,190 --> 00:00:07,120
onboard the space station the three

5
00:00:10,470 --> 00:00:09,200
members of the expedition 34 crew are

6
00:00:12,950 --> 00:00:10,480
more than halfway through their day

7
00:00:15,110 --> 00:00:12,960
which began at midnight this is ford

8
00:00:16,950 --> 00:00:15,120
novitskiy and tarekin's last full week

9
00:00:18,710 --> 00:00:16,960
alone at the space station the other

10
00:00:21,109 --> 00:00:18,720
half of their original crew expedition

11
00:00:23,269 --> 00:00:21,119
33 returned to earth last month but the

12
00:00:25,830 --> 00:00:23,279
second half of their new crew expedition

13
00:00:26,710 --> 00:00:25,840

34 are just one week away from joining

14

00:00:28,470 --> 00:00:26,720

them

15

00:00:31,429 --> 00:00:28,480

chris hadfield with canadian space

16

00:00:33,430 --> 00:00:31,439

agency tom marshburn of nasa and roman

17

00:00:35,830 --> 00:00:33,440

romanenko of russia are scheduled to

18

00:00:37,990 --> 00:00:35,840

launch into space at 6 12 a.m central

19

00:00:40,470 --> 00:00:38,000

time on wednesday from the baikonur

20

00:00:41,830 --> 00:00:40,480

cosmodrome in kazakhstan and dock to the

21

00:00:44,229 --> 00:00:41,840

international space station one week

22

00:00:46,069 --> 00:00:44,239

from today at 8 12 a.m central time on

23

00:00:48,709 --> 00:00:46,079

december 21st

24

00:00:50,869 --> 00:00:48,719

but despite the decrease of numbers in

25

00:00:52,549 --> 00:00:50,879

space at the moment ford tarelkin and

26

00:00:53,590 --> 00:00:52,559

nowitzki have gotten quite a bit done

27

00:00:56,310 --> 00:00:53,600

this week

28

00:00:58,950 --> 00:00:56,320

on monday ford did some water sampling

29

00:01:00,950 --> 00:00:58,960

for the madonka experiment which looks

30

00:01:04,070 --> 00:01:00,960

at the effects of uh living in

31

00:01:05,990 --> 00:01:04,080

microgravity and what it does to bones

32

00:01:08,390 --> 00:01:06,000

using fish inside the new aquatic

33

00:01:10,469 --> 00:01:08,400

habitat in the kivo laboratory

34

00:01:13,109 --> 00:01:10,479

he also set the station's robotic crew

35

00:01:15,350 --> 00:01:13,119

member robonaut 2 up for work with its

36

00:01:16,710 --> 00:01:15,360

task board however some connectivity

37

00:01:19,190 --> 00:01:16,720

issues prevented the team here on the

38

00:01:20,870 --> 00:01:19,200

ground from completing that task tuesday

39

00:01:22,390 --> 00:01:20,880

was a day of maintenance as ford worked

40

00:01:24,390 --> 00:01:22,400

with the station's environmental control

41

00:01:26,870 --> 00:01:24,400

and life support system performed an

42

00:01:29,830 --> 00:01:26,880

inventory of bags used by the station's

43

00:01:31,429 --> 00:01:29,840

minus 80 degree laboratory freezer and

44

00:01:33,910 --> 00:01:31,439

did some analysis of the water produced

45

00:01:35,590 --> 00:01:33,920

by the station's water recycling system

46

00:01:37,350 --> 00:01:35,600

it was more robotic work on wednesday

47

00:01:39,510 --> 00:01:37,360

this time with the spheres satellites

48

00:01:41,590 --> 00:01:39,520

which he helped turn into robots that

49

00:01:43,429 --> 00:01:41,600

theoretically can be used to relieve the

50

00:01:45,109 --> 00:01:43,439

crew of some of their more mundane tasks

51
00:01:46,469 --> 00:01:45,119
by performing surveys of the station's

52
00:01:48,469 --> 00:01:46,479
environment

53
00:01:50,389 --> 00:01:48,479
that theory was tested on wednesday when

54
00:01:52,630 --> 00:01:50,399
one of the bowling ball-sized satellites

55
00:01:55,030 --> 00:01:52,640
was used to take photographic surveys of

56
00:01:56,709 --> 00:01:55,040
the station's interior yesterday ford

57
00:01:58,550 --> 00:01:56,719
focused his activity on the combustion

58
00:02:01,670 --> 00:01:58,560
integrated rack where he was replacing

59
00:02:04,310 --> 00:02:01,680
some parts of the multi-user droplet

60
00:02:05,510 --> 00:02:04,320
combustion apparatus which required some

61
00:02:07,109 --> 00:02:05,520
preventative maintenance due to the

62
00:02:08,790 --> 00:02:07,119
expected buildup of combustion

63
00:02:10,790 --> 00:02:08,800

byproducts and normal wear on the

64

00:02:12,790 --> 00:02:10,800

igniter tips ford is going to wrap up

65

00:02:15,350 --> 00:02:12,800

the week with more medaka maintenance

66

00:02:17,589 --> 00:02:15,360

and also some work on the in space 3

67

00:02:19,910 --> 00:02:17,599

experiment which looks at fluids that

68

00:02:22,070 --> 00:02:19,920

have ellipsoid shaped particles that can