



1
00:00:05,990 --> 00:00:04,130
good morning and welcome to Mission

2
00:00:10,280 --> 00:00:06,000
Control Houston in the International

3
00:00:11,570 --> 00:00:10,290
Space Station update we're here with the

4
00:00:13,820 --> 00:00:11,580
International Space Station flight

5
00:00:16,519 --> 00:00:13,830
control team inside the space station

6
00:00:18,140 --> 00:00:16,529
flight control room and tamale Nelson is

7
00:00:20,450 --> 00:00:18,150
the day's flight director as she has

8
00:00:26,779 --> 00:00:20,460
been all week sitting beside her today

9
00:00:28,370 --> 00:00:26,789
is Capcom Kate Rubens onboard the space

10
00:00:30,470 --> 00:00:28,380
station the three members of the

11
00:00:31,939 --> 00:00:30,480
expedition 34 crew are more than halfway

12
00:00:34,880 --> 00:00:31,949
through their day which began at

13
00:00:36,889 --> 00:00:34,890

midnight central time commander Kevin

14

00:00:39,950 --> 00:00:36,899

Ford nasa and russian flight engineers

15

00:00:42,080 --> 00:00:39,960

oleg novitskiy and Evgeny tarelkin are

16

00:00:44,750 --> 00:00:42,090

all onboard the space station they have

17

00:00:47,479 --> 00:00:44,760

been since October 25th when their soyuz

18

00:00:50,450 --> 00:00:47,489

tma-06m vehicle docked to the russian

19

00:00:52,610 --> 00:00:50,460

poisk module now on their 50th day at

20

00:00:55,130 --> 00:00:52,620

the station and their 52nd day in space

21

00:00:57,470 --> 00:00:55,140

they're currently orbiting 251 miles

22

00:00:59,119 --> 00:00:57,480

above Russia having just passed over

23

00:01:02,660 --> 00:00:59,129

Kazakhstan which is where they launched

24

00:01:05,990 --> 00:01:02,670

from Ford novitskiy and tarelkin have

25

00:01:07,550 --> 00:01:06,000

been alone at the station since half of

26

00:01:09,080 --> 00:01:07,560

their career return to Earth last month

27

00:01:11,390 --> 00:01:09,090

but they are just stays away now from

28

00:01:13,789 --> 00:01:11,400

welcoming three new crewmates to the

29

00:01:15,020 --> 00:01:13,799

station one week from tomorrow they'll

30

00:01:17,780 --> 00:01:15,030

be joined by the remainder of the

31

00:01:22,399 --> 00:01:17,790

expedition 34 crew Chris Hadfield of the

32

00:01:24,969 --> 00:01:22,409

Canadian Space Agency Tom Marshburn of

33

00:01:27,620 --> 00:01:24,979

NASA and Roman Romanenko of Russia

34

00:01:30,080 --> 00:01:27,630

Hadfield Marshburn and romanenko are

35

00:01:32,179 --> 00:01:30,090

scheduled to launch into space at 612

36

00:01:34,670 --> 00:01:32,189

a.m. central time on wednesday december

37

00:01:36,920 --> 00:01:34,680

19th from the baikonur cosmodrome in

38

00:01:38,749 --> 00:01:36,930

kazakhstan and they're already there in

39

00:01:40,670 --> 00:01:38,759

kazakhstan awaiting their departure in

40

00:01:42,740 --> 00:01:40,680

fact they'll participate in their final

41

00:01:45,050 --> 00:01:42,750

unsuited fit check dress rehearsal for

42

00:01:46,130 --> 00:01:45,060

lunch tomorrow then following their

43

00:01:51,109 --> 00:01:46,140

lunch they'll docked to the space

44

00:01:53,510 --> 00:01:51,119

station on Friday in the meantime for

45

00:01:55,700 --> 00:01:53,520

drunken and vits ki are staying busy

46

00:01:57,020 --> 00:01:55,710

while they wait for word worked with a

47

00:01:58,490 --> 00:01:57,030

couple of different experiments today

48

00:02:00,590 --> 00:01:58,500

starting with the combustion integrated

49

00:02:03,380 --> 00:02:00,600

rack which holds the fluids and

50

00:02:05,270 --> 00:02:03,390

combustion facility after making some

51
00:02:06,620 --> 00:02:05,280
preparations for the task yesterday for

52
00:02:09,109 --> 00:02:06,630
it is working now to replace the

53
00:02:12,770 --> 00:02:09,119
facility's multi-use droplet combustion

54
00:02:13,260 --> 00:02:12,780
apparatus in preparation for an upcoming

55
00:02:17,640 --> 00:02:13,270
in

56
00:02:20,070 --> 00:02:17,650
facility he'll also spend some time

57
00:02:21,810 --> 00:02:20,080
later in the day updating his medical

58
00:02:26,760 --> 00:02:21,820
proficient to training by taking a self

59
00:02:28,290 --> 00:02:26,770
assessment quiz on the Russian side of

60
00:02:29,910 --> 00:02:28,300
the station novitskiy and tarelkin are

61
00:02:32,010 --> 00:02:29,920
spending some more time today taking

62
00:02:34,620 --> 00:02:32,020
inventory of the tools and hardware on

63
00:02:36,840 --> 00:02:34,630

the Russian side there are also a

64

00:02:38,430 --> 00:02:36,850

finding time for several science

65

00:02:40,830 --> 00:02:38,440

experiments including one that studies

66

00:02:42,420 --> 00:02:40,840

the earth's oceans and one that looks at

67

00:02:45,210 --> 00:02:42,430

leak detection methods on the space

68

00:02:46,950 --> 00:02:45,220

station earlier today the team on the

69

00:02:49,620 --> 00:02:46,960

ground had planned to perform a reboost

70

00:02:53,720 --> 00:02:49,630

of the space stations at altitude using

71

00:02:56,340 --> 00:02:53,730

a the progress 48 vehicles thrusters

72

00:02:57,900 --> 00:02:56,350

that was going to get the station into

73

00:02:59,880 --> 00:02:57,910

the correct position for the upcoming

74

00:03:01,470 --> 00:02:59,890

Soyuz launch and a progress launch that

75

00:03:02,970 --> 00:03:01,480

will follow it as well as per if I the

76

00:03:04,790 --> 00:03:02,980

team on the ground with an opportunity

77

00:03:06,750 --> 00:03:04,800

to test out the station's new

78

00:03:09,600 --> 00:03:06,760

predetermined debris avoidance maneuver

79

00:03:11,160 --> 00:03:09,610

procedures / flight controllers had some

80

00:03:14,040 --> 00:03:11,170

trouble locking down one of the

81

00:03:15,930 --> 00:03:14,050

station's beta gimbal assemblies which

82

00:03:18,449 --> 00:03:15,940

rotate the station's mathis solar arrays

83

00:03:20,580 --> 00:03:18,459

so that reboost was put off team and

84

00:03:25,020 --> 00:03:20,590

trim the team intends to try again on

85

00:03:26,490 --> 00:03:25,030

December 16th that's what's going on in