



1
00:00:08,070 --> 00:00:06,389
this is mission control houston the

2
00:00:09,830 --> 00:00:08,080
international space station flight

3
00:00:12,070 --> 00:00:09,840
control room and its team of flight

4
00:00:15,190 --> 00:00:12,080
controllers is watching over systems

5
00:00:17,750 --> 00:00:15,200
aboard the station as it has for the

6
00:00:18,630 --> 00:00:17,760
entire week and around the clock

7
00:00:21,189 --> 00:00:18,640
the

8
00:00:23,990 --> 00:00:21,199
flight control team has been

9
00:00:26,390 --> 00:00:24,000
overseeing through the daytime hours by

10
00:00:28,390 --> 00:00:26,400
veteran flight director and vance ed van

11
00:00:30,390 --> 00:00:28,400
cise all week long

12
00:00:32,310 --> 00:00:30,400
he has served along with other flight

13
00:00:34,549 --> 00:00:32,320

directors to uh

14

00:00:37,510 --> 00:00:34,559

support station operations from here in

15

00:00:40,150 --> 00:00:37,520

houston uh around the clock as do flight

16

00:00:42,830 --> 00:00:40,160

control teams at other

17

00:00:45,990 --> 00:00:42,840

facilities around the world

18

00:00:48,229 --> 00:00:46,000

the station has been in excellent shape

19

00:00:50,389 --> 00:00:48,239

all week there have been no major

20

00:00:52,790 --> 00:00:50,399

systems problems whatsoever allowing the

21

00:00:55,590 --> 00:00:52,800

crew on board to focus on experiment

22

00:00:57,430 --> 00:00:55,600

activities and adjusting to

23

00:01:01,510 --> 00:00:57,440

life in space for some of the crew

24

00:01:03,670 --> 00:01:01,520

members as well the expedition 38 crew

25

00:01:05,429 --> 00:01:03,680

spent much of the week in various types

26
00:01:08,230 --> 00:01:05,439
of experiment operations around the

27
00:01:11,109 --> 00:01:08,240
station as they wrap up this week

28
00:01:13,429 --> 00:01:11,119
together as the newest expedition the

29
00:01:15,590 --> 00:01:13,439
six crew members will be together until

30
00:01:18,710 --> 00:01:15,600
mid-march when the next transition

31
00:01:20,870 --> 00:01:18,720
occurs to expedition 39. the continuous

32
00:01:22,550 --> 00:01:20,880
human presence and six crew members

33
00:01:25,429 --> 00:01:22,560
means a number of experiments can be

34
00:01:28,070 --> 00:01:25,439
ongoing and tended simultaneously in

35
00:01:30,310 --> 00:01:28,080
different experiment facilities the

36
00:01:32,230 --> 00:01:30,320
transition to expedition 38 actually

37
00:01:34,310 --> 00:01:32,240
dates back to last saturday when a

38
00:01:37,190 --> 00:01:34,320

formal ceremony was held

39

00:01:40,230 --> 00:01:37,200

to hand command of the station to oleg

40

00:01:42,550 --> 00:01:40,240

kotov from departing expedition 37 crew

41

00:01:43,830 --> 00:01:42,560

commander fyodor yurchikhin

42

00:01:45,670 --> 00:01:43,840

the

43

00:01:49,030 --> 00:01:45,680

that activity was preceded with a

44

00:01:51,030 --> 00:01:49,040

spacewalk by kotov and sergey ryazanskiy

45

00:01:52,550 --> 00:01:51,040

to gather some historic imagery of the

46

00:01:54,950 --> 00:01:52,560

olympic torch

47

00:01:58,550 --> 00:01:54,960

outside the station and also they worked

48

00:02:00,230 --> 00:01:58,560

on some other maintenance tasks as well

49

00:02:03,030 --> 00:02:00,240

along with karen nyberg and luca

50

00:02:05,270 --> 00:02:03,040

parmitano your chicken left the station

51
00:02:09,350 --> 00:02:05,280
sunday in the same soyuz capsule that

52
00:02:10,389 --> 00:02:09,360
delivered them to the station 166 days

53
00:02:13,190 --> 00:02:10,399
earlier

54
00:02:15,110 --> 00:02:13,200
they landed safely sunday night

55
00:02:17,270 --> 00:02:15,120
their excitement to be home was evident

56
00:02:19,270 --> 00:02:17,280
as they were greeted outside the capsule

57
00:02:21,750 --> 00:02:19,280
on the step of kazakhstan

58
00:02:23,350 --> 00:02:21,760
as they displayed the olympic torch

59
00:02:26,390 --> 00:02:23,360
returning with them

60
00:02:29,270 --> 00:02:26,400
it will continue its journey to the 2014

61
00:02:31,350 --> 00:02:29,280
winter olympics in sochi russia uh this

62
00:02:33,750 --> 00:02:31,360
next february

63
00:02:36,470 --> 00:02:33,760

setting in uh settling in as the newest

64

00:02:38,710 --> 00:02:36,480

expedition crew members

65

00:02:41,750 --> 00:02:38,720

mikhail turin rick mastracchio and

66

00:02:43,509 --> 00:02:41,760

koichi wakata

67

00:02:45,670 --> 00:02:43,519

have been orienting

68

00:02:47,190 --> 00:02:45,680

themselves and adapting to their new

69

00:02:49,270 --> 00:02:47,200

environment

70

00:02:51,270 --> 00:02:49,280

that was essentially a part of their

71

00:02:52,150 --> 00:02:51,280

daily routine for the week

72

00:02:56,869 --> 00:02:52,160

as

73

00:02:59,430 --> 00:02:56,879

for any emergency that may take place

74

00:03:01,110 --> 00:02:59,440

aboard while they are there as well

75

00:03:04,149 --> 00:03:01,120

experiments also of course were the

76

00:03:07,350 --> 00:03:04,159

focus with work on the

77

00:03:09,430 --> 00:03:07,360

in space experiment that is

78

00:03:11,830 --> 00:03:09,440

ongoing on board the station

79

00:03:14,309 --> 00:03:11,840

periodically as well

80

00:03:16,070 --> 00:03:14,319

hopkins spent part of his week also

81

00:03:18,630 --> 00:03:16,080

working with a multi-user droplet

82

00:03:21,509 --> 00:03:18,640

combustion apparatus that's

83

00:03:23,350 --> 00:03:21,519

part of the combustion integrated rack

84

00:03:25,350 --> 00:03:23,360

which contains hardware and software to

85

00:03:27,350 --> 00:03:25,360

conduct unique droplet combustion

86

00:03:30,070 --> 00:03:27,360

experiments in space

87

00:03:33,430 --> 00:03:30,080

mastracchio also worked with that in

88

00:03:36,070 --> 00:03:33,440

space experiment mentioned a moment ago

89

00:03:38,710 --> 00:03:36,080

which investigates structures of

90

00:03:40,949 --> 00:03:38,720

paramagnetic aggregates for colloidal

91

00:03:43,270 --> 00:03:40,959

emulsions essentially

92

00:03:45,589 --> 00:03:43,280

studying colloidal fluid fluids and how

93

00:03:48,070 --> 00:03:45,599

they're classified as smart materials as

94

00:03:50,070 --> 00:03:48,080

it transitions through a solid-like

95

00:03:51,190 --> 00:03:50,080

state in the presence of a magnetic

96

00:03:53,190 --> 00:03:51,200

field

97

00:03:54,949 --> 00:03:53,200

russian cosmonauts spent their week

98

00:03:56,309 --> 00:03:54,959

primarily on the russian segment of the

99

00:03:58,390 --> 00:03:56,319

station

100

00:03:59,990 --> 00:03:58,400

cleaning up after the spacewalk and

101
00:04:01,750 --> 00:04:00,000
putting their suits away that were used

102
00:04:04,789 --> 00:04:01,760
this past saturday

103
00:04:07,990 --> 00:04:04,799
and they have a spacewalk planned later

104
00:04:11,429 --> 00:04:08,789
the

105
00:04:13,030 --> 00:04:11,439
selectable optics diagnostic instrument

106
00:04:15,030 --> 00:04:13,040
or sodi

107
00:04:17,749 --> 00:04:15,040
experiment is being prepared on board

108
00:04:19,509 --> 00:04:17,759
this week for future testing that will

109
00:04:21,110 --> 00:04:19,519
be conducted when samples for that

110
00:04:24,070 --> 00:04:21,120
experiment arrive

111
00:04:25,110 --> 00:04:24,080
later this year with future arriving

112
00:04:27,270 --> 00:04:25,120
vehicles

113
00:04:29,510 --> 00:04:27,280

so as you can see it's been a very busy

114

00:04:32,230 --> 00:04:29,520

week first week full week for three of

115

00:04:34,550 --> 00:04:32,240

the crew members on board as all six

116

00:04:38,230 --> 00:04:34,560

crew members settle in together

117

00:04:40,950 --> 00:04:38,240

for expedition 38 and obviously uh

118

00:04:43,909 --> 00:04:40,960

we'll be back next week with another

119

00:04:45,990 --> 00:04:43,919

hour of coverage each day of expedition

120

00:04:47,990 --> 00:04:46,000

38 and its voyage aboard the