1
00:00:09,270 --> 00:00:06,630
this is mission control and welcome to

2
00:00:12,150 --> 00:00:09,280
space station live for tuesday june 25th

3
00:00:13,830 --> 00:00:12,160
2013. it's been a busy uh start of the

4
00:00:15,589 --> 00:00:13,840
week for the crew up on board the

5
00:00:17,750 --> 00:00:15,599
orbiting complex there was a spacewalk

6
00:00:19,990 --> 00:00:17,760
that took place yesterday with fyodor

7
00:00:21,830 --> 00:00:20,000
yurchikhin and alexander misurkin two of

8
00:00:25,109 --> 00:00:21,840
the russian crew members conducting a

9
00:00:26,710 --> 00:00:25,119
six-hour 34-minute spacewalk the

10
00:00:29,269 --> 00:00:26,720
majority of the activities were to get

11
00:00:30,950 --> 00:00:29,279
ready for the upcoming brand new russian

12
00:00:32,310 --> 00:00:30,960
multi-purpose laboratory module that's

13
00:00:33,750 --> 00:00:32,320

going to be coming up

14
00:00:35,830 --> 00:00:33,760
later on this year that is actually

15
00:00:36,950 --> 00:00:35,840
going to replace the piers docking

16
00:00:38,630 --> 00:00:36,960
compartment

17
00:00:41,110 --> 00:00:38,640
but everything went according to plan as

18
00:00:41,750 --> 00:00:41,120
these two crew members ventured outside

19
00:00:43,110 --> 00:00:41,760
and

20
00:00:44,630 --> 00:00:43,120
took care of all the activities that

21
00:00:46,549 --> 00:00:44,640
they needed to

22
00:00:47,910 --> 00:00:46,559
to get ready for uh this brand new

23
00:00:48,869 --> 00:00:47,920
laboratory that's coming up here in just

24
00:00:50,869 --> 00:00:48,879
a few

25
00:00:53,029 --> 00:00:50,879
months they installed some cable clamps

26
00:00:55,189 --> 00:00:53,039
some handrails and uh tested some

27
00:00:57,350 --> 00:00:55,199
rendezvous equipment outside the station

28
00:00:59,349 --> 00:00:57,360
your teakin and mizurkin also swapped

29
00:01:00,869 --> 00:00:59,359
out a flow control valve that is part of

30
00:01:02,150 --> 00:01:00,879
the zarya module that was the first

31
00:01:03,110 --> 00:01:02,160
piece of the space station that was

32
00:01:05,189 --> 00:01:03,120
launched

33
00:01:07,030 --> 00:01:05,199
back in 1998

34
00:01:09,270 --> 00:01:07,040
that valve is part of the coolant system

35
00:01:11,910 --> 00:01:09,280
of that particular laboratory they also

36
00:01:15,350 --> 00:01:11,920
retrieved an experiment from outside

37
00:01:16,950 --> 00:01:15,360
this was the 169th spacewalk in support

38
00:01:19,350 --> 00:01:16,960

of the international space station's

39
00:01:21,670 --> 00:01:19,360
assembly and construction they now have

40
00:01:24,230 --> 00:01:21,680
a total of 1067

41
00:01:25,830 --> 00:01:24,240
hours and 43 minutes total

42
00:01:27,830 --> 00:01:25,840
to build this entire international

43
00:01:29,990 --> 00:01:27,840
research laboratory

44
00:01:32,950 --> 00:01:30,000
the crew also has reopened the hatches

45
00:01:34,789 --> 00:01:32,960
in between the albert einstein atv that

46
00:01:36,390 --> 00:01:34,799
is the european cargo craft that is on

47
00:01:37,590 --> 00:01:36,400
the back end of the international space

48
00:01:39,350 --> 00:01:37,600
station back there on the right side of

49
00:01:41,590 --> 00:01:39,360
the screen

50
00:01:43,830 --> 00:01:41,600
this docked back on june 15th and has

51
00:01:46,789 --> 00:01:43,840
brought up 7.3 tons of science

52
00:01:48,389 --> 00:01:46,799
experiments and supplies for the crew

53
00:01:50,630 --> 00:01:48,399
the crew is actually way ahead of the

54
00:01:51,510 --> 00:01:50,640
timeline in terms of unloading atv they

55
00:01:54,230 --> 00:01:51,520
are

56
00:01:56,310 --> 00:01:54,240
basically taking about half the time

57
00:01:57,910 --> 00:01:56,320
that was planned to unload all of that

58
00:02:00,550 --> 00:01:57,920
cargo they will pack it full of trash

59
00:02:01,830 --> 00:02:00,560
and ultimately atv will be undocked and

60
00:02:03,990 --> 00:02:01,840
de-orbited down into the earth's

61
00:02:05,830 --> 00:02:04,000
atmosphere

62
00:02:07,590 --> 00:02:05,840
chris cassidy luca parmitano now getting

63
00:02:09,589 --> 00:02:07,600

ready for their spacewalk coming up on

64
00:02:11,510 --> 00:02:09,599
july 9th they will have another one on

65
00:02:12,790 --> 00:02:11,520
july 16th

66
00:02:14,470 --> 00:02:12,800
they're going to be taking care of quite

67
00:02:16,070 --> 00:02:14,480
a number of items outside the space

68
00:02:17,830 --> 00:02:16,080
station each one of those spacewalks

69
00:02:19,190 --> 00:02:17,840
will last about six and a half hours

70
00:02:21,510 --> 00:02:19,200
they're going to be replacing a space to

71
00:02:22,949 --> 00:02:21,520
ground communications receiver as well

72
00:02:24,470 --> 00:02:22,959
as replacing some wireless video

73
00:02:26,550 --> 00:02:24,480
equipment and installing some power and

74
00:02:28,070 --> 00:02:26,560
cables for that upcoming laboratory

75
00:02:29,589 --> 00:02:28,080
that's going to be part of the russian

76
00:02:31,750 --> 00:02:29,599
segment of the international space

77
00:02:33,350 --> 00:02:31,760
station so they will spend the majority

78
00:02:34,869 --> 00:02:33,360
of their day today taking a look at the

79
00:02:36,869 --> 00:02:34,879
procedures for

80
00:02:38,309 --> 00:02:36,879
those two spacewalks they will have a

81
00:02:39,910 --> 00:02:38,319
conference call with the underground

82
00:02:41,350 --> 00:02:39,920
teams here in houston

83
00:02:42,550 --> 00:02:41,360
to talk about what's ahead as they get

84
00:02:44,710 --> 00:02:42,560
ready for

85
00:02:46,229 --> 00:02:44,720
those two ventures outside the space

86
00:02:47,830 --> 00:02:46,239
station itself

87
00:02:50,309 --> 00:02:47,840
speaking of outside the station the

88
00:02:52,470 --> 00:02:50,319

dexter robot is getting ready for some

89
00:02:53,670 --> 00:02:52,480
activities and some trial runs later on

90
00:02:55,430 --> 00:02:53,680
this week

91
00:02:57,350 --> 00:02:55,440
this is another canadian robot outside

92
00:02:59,030 --> 00:02:57,360
the station you can see it has a two

93
00:03:00,630 --> 00:02:59,040
arms there

94
00:03:01,509 --> 00:03:00,640
each one of those arms is about 11 feet

95
00:03:03,190 --> 00:03:01,519
across

96
00:03:05,430 --> 00:03:03,200
dexter itself is about

97
00:03:06,710 --> 00:03:05,440
12 feet high

98
00:03:08,470 --> 00:03:06,720
but they're going to be retrieving some

99
00:03:09,750 --> 00:03:08,480
tools out of its tool belt today and

100
00:03:10,869 --> 00:03:09,760
then putting it through the paces later

101
00:03:12,710 --> 00:03:10,879
on this week

102
00:03:14,949 --> 00:03:12,720
they're going to be testing

103
00:03:16,710 --> 00:03:14,959
some removal of some bolts and also

104
00:03:18,550 --> 00:03:16,720
opening up some doors outside the

105
00:03:20,149 --> 00:03:18,560
station in case a dexter ever needed to

106
00:03:21,830 --> 00:03:20,159
be used to replace

107
00:03:22,790 --> 00:03:21,840
uh some of the parts that part of the

108
00:03:24,470 --> 00:03:22,800
station's

109
00:03:26,149 --> 00:03:24,480
power control outside so they're gonna

110
00:03:28,470 --> 00:03:26,159
be opening up the bay doors outside

111
00:03:30,630 --> 00:03:28,480
there and making sure that dexter

112
00:03:33,030 --> 00:03:30,640
actually operates as expected

113
00:03:35,190 --> 00:03:33,040

the crew also had a chance here just

114
00:03:37,830 --> 00:03:35,200
several days ago to take some pictures

115
00:03:39,030 --> 00:03:37,840
of the southern colorado wildfires that

116
00:03:41,110 --> 00:03:39,040
are taking place

117
00:03:43,430 --> 00:03:41,120
down in that state quite a

118
00:03:47,110 --> 00:03:43,440
dramatic photo there of these wildfires

119
00:03:48,710 --> 00:03:47,120
as of june 24th which was yesterday

120
00:03:50,070 --> 00:03:48,720
one of the largest fires there in that

121
00:03:53,830 --> 00:03:50,080
area

122
00:03:56,949 --> 00:03:53,840
has destroyed 75 150 acres

123
00:03:58,390 --> 00:03:56,959
as the firefighters there try to put out

124
00:04:00,309 --> 00:03:58,400
these fires that are threatening certain

125
00:04:01,750 --> 00:04:00,319
cities down there in colorado they're

126
00:04:03,190 --> 00:04:01,760
having a tough time dealing with this

127
00:04:05,350 --> 00:04:03,200
because of the winds

128
00:04:07,350 --> 00:04:05,360
but the winds are expected to hopefully

129
00:04:09,509 --> 00:04:07,360
die down later on this week and they

130
00:04:12,229 --> 00:04:09,519
should hopefully get most of those fires

131
00:04:13,589 --> 00:04:12,239
under control later on

132
00:04:14,949 --> 00:04:13,599
the crew has several different crew

133
00:04:16,710 --> 00:04:14,959
earth observations today they're going

134
00:04:18,629 --> 00:04:16,720
to be flying over the volga euro delta

135
00:04:19,670 --> 00:04:18,639
which is part of the caspian sea

136
00:04:21,349 --> 00:04:19,680
hopefully they'll be able to take some

137
00:04:23,110 --> 00:04:21,359
pictures of that they're going to be

138
00:04:24,629 --> 00:04:23,120

flying over the island of saint vincent

139
00:04:26,790 --> 00:04:24,639
down in the caribbean

140
00:04:28,469 --> 00:04:26,800
and also flying over parts of phoenix

141
00:04:30,469 --> 00:04:28,479
arizona of course if you would like to

142
00:04:34,270 --> 00:04:30,479
learn more or see some of these photos

143
00:04:34,280 --> 00:04:37,870
eol.jsc.nasa.gov once again

144
00:04:42,990 --> 00:04:39,510
eol.jse.nasa.gov of course you can

145
00:04:44,629 --> 00:04:43,000
always log on to the nasa website at

146
00:04:45,670 --> 00:04:44,639
www.nasa.gov

147
00:04:47,030 --> 00:04:45,680
station

148
00:04:48,150 --> 00:04:47,040
take a look at what the crew is up to

149
00:04:49,749 --> 00:04:48,160
today and learn about all the science