



TUESDAY, JULY 2 ON NASA TV

Expedition 36 Spacewalk Briefing

1:00pm CT / 2:00pm ET

1
00:00:12,310 --> 00:00:10,390
good morning everybody from mission

2
00:00:15,749 --> 00:00:12,320
control houston welcome to space station

3
00:00:17,269 --> 00:00:15,759
live for wednesday june 26 2013 this is

4
00:00:19,670 --> 00:00:17,279
a live view inside the international

5
00:00:21,189 --> 00:00:19,680
space station's flight control room here

6
00:00:22,550 --> 00:00:21,199
at the johnson space center in houston

7
00:00:26,150 --> 00:00:22,560
texas

8
00:00:27,589 --> 00:00:26,160
the expedition 36 crew is busy today as

9
00:00:28,870 --> 00:00:27,599
well as his team down here in houston

10
00:00:31,509 --> 00:00:28,880
they're being led by flight director

11
00:00:33,750 --> 00:00:31,519
brian smith the capcom which is the

12
00:00:37,110 --> 00:00:33,760
voice you'll hear up to the crew

13
00:00:39,270 --> 00:00:37,120

is serena anand

14

00:00:41,670 --> 00:00:39,280

the expedition 36 crew on board the

15

00:00:44,310 --> 00:00:41,680

orbiting complex is being led by

16

00:00:46,229 --> 00:00:44,320

commander pavel vinogradov he is there

17

00:00:48,389 --> 00:00:46,239

uh second from the left on the far left

18

00:00:49,430 --> 00:00:48,399

hand side is alexander mazurkin

19

00:00:51,430 --> 00:00:49,440

standing there in the middle is chris

20

00:00:53,670 --> 00:00:51,440

cassidy nasa astronaut right beside him

21

00:00:55,750 --> 00:00:53,680

also in the middle luca parmitano from

22

00:00:57,029 --> 00:00:55,760

the european space agency

23

00:00:58,790 --> 00:00:57,039

second from the right there is fielder

24

00:01:04,229 --> 00:00:58,800

you're teaching and there on the far

25

00:01:09,030 --> 00:01:06,710

as we talked about yesterday uh your

26
00:01:11,429 --> 00:01:09,040
chicken and misurkin had wrapped up a

27
00:01:13,190 --> 00:01:11,439
spacewalk earlier this week six hours 34

28
00:01:14,710 --> 00:01:13,200
minutes both of them

29
00:01:16,230 --> 00:01:14,720
venturing outside the russian segment of

30
00:01:17,590 --> 00:01:16,240
the international space station they

31
00:01:20,310 --> 00:01:17,600
still had some

32
00:01:21,910 --> 00:01:20,320
cleanup activities today also had a

33
00:01:24,630 --> 00:01:21,920
quick chat with the ground team to sort

34
00:01:26,710 --> 00:01:24,640
of take a look back at the spacewalk and

35
00:01:28,550 --> 00:01:26,720
talk about how it worked and also to

36
00:01:31,109 --> 00:01:28,560
look ahead at the next spacewalk that's

37
00:01:32,950 --> 00:01:31,119
coming up in august this crew had quite

38
00:01:35,190 --> 00:01:32,960

a number of activities that they needed

39

00:01:36,870 --> 00:01:35,200
to get accomplished on monday

40

00:01:38,469 --> 00:01:36,880
they pretty much checked off everything

41

00:01:40,710 --> 00:01:38,479
off the list the majority of this

42

00:01:42,550 --> 00:01:40,720
activity is getting ready for the

43

00:01:44,230 --> 00:01:42,560
brand new russian multipurpose

44

00:01:46,149 --> 00:01:44,240
laboratory module

45

00:01:48,149 --> 00:01:46,159
that module is going to be coming up

46

00:01:49,350 --> 00:01:48,159
to the international space station later

47

00:01:51,030 --> 00:01:49,360
on this year

48

00:01:52,710 --> 00:01:51,040
it's actually going to be replacing the

49

00:01:54,149 --> 00:01:52,720
piers docking compartment which is back

50

00:01:55,350 --> 00:01:54,159
there on the russian segment that is

51

00:01:57,670 --> 00:01:55,360

actually going to be

52

00:01:59,190 --> 00:01:57,680

jettisoned at some point and we'll say

53

00:02:00,789 --> 00:01:59,200

farewell to the international space

54

00:02:02,789 --> 00:02:00,799

station that is one of the oldest pieces

55

00:02:04,630 --> 00:02:02,799

of the orbiting complex but this

56

00:02:05,670 --> 00:02:04,640

multi-purpose laboratory module that is

57

00:02:07,350 --> 00:02:05,680

coming up

58

00:02:08,630 --> 00:02:07,360

will offer a little bit more room for

59

00:02:11,830 --> 00:02:08,640

experiments

60

00:02:14,630 --> 00:02:11,840

and also vehicle arrivals and departures

61

00:02:17,830 --> 00:02:16,070

they also opened up the hatch study in

62

00:02:20,229 --> 00:02:17,840

between the zvezda service module and

63

00:02:21,830 --> 00:02:20,239

the progress 50 that is part of the

64

00:02:23,350 --> 00:02:21,840

international space station you see it

65

00:02:25,510 --> 00:02:23,360

back there that actually is attached to

66

00:02:27,110 --> 00:02:25,520

the piers docking compartment currently

67

00:02:29,510 --> 00:02:27,120

that progress got up to the station with

68

00:02:31,030 --> 00:02:29,520

two and a half tons of supplies

69

00:02:33,430 --> 00:02:31,040

back in february

70

00:02:35,430 --> 00:02:33,440

it will depart coming up in july and

71

00:02:37,350 --> 00:02:35,440

will be replaced by yet another progress

72

00:02:39,190 --> 00:02:37,360

here in the next couple of months

73

00:02:44,150 --> 00:02:39,200

bringing more supplies and food and

74

00:02:48,390 --> 00:02:46,470

things also beginning to get ramped up

75

00:02:49,830 --> 00:02:48,400

for the upcoming two spacewalks that

76

00:02:51,830 --> 00:02:49,840

will be conducted by chris cassidy and

77

00:02:53,270 --> 00:02:51,840

luca parmitano there is cassidy working

78

00:02:56,150 --> 00:02:53,280

with karen nyberg

79

00:02:58,149 --> 00:02:56,160

in the quest airlock earlier today

80

00:02:59,670 --> 00:02:58,159

cassidy parmitano and nyberg all three

81

00:03:01,589 --> 00:02:59,680

of them have been working inside that

82

00:03:03,110 --> 00:03:01,599

portion of the international space

83

00:03:05,670 --> 00:03:03,120

station to get the spacesuits and the

84

00:03:07,830 --> 00:03:05,680

tools ready to go for those upcoming

85

00:03:10,790 --> 00:03:07,840

spacewalks the first one will be on july

86

00:03:12,550 --> 00:03:10,800

9th the second one will be on july 16th

87

00:03:14,949 --> 00:03:12,560

we will have a news conference from here

88

00:03:16,309 --> 00:03:14,959

at the johnson space center on july 2nd

89

00:03:18,790 --> 00:03:16,319

to take a look at both of those

90

00:03:21,350 --> 00:03:18,800

spacewalks that will air at 1 pm central

91

00:03:23,509 --> 00:03:21,360

time 2 pm eastern time here on nasa

92

00:03:24,550 --> 00:03:23,519

television the david korth who is the

93

00:03:26,949 --> 00:03:24,560

flight director for both of those

94

00:03:28,789 --> 00:03:26,959

spacewalks as well as both spacewalk

95

00:03:31,270 --> 00:03:28,799

officers for each one of them

96

00:03:34,229 --> 00:03:31,280

will be here as well to look ahead at

97

00:03:36,149 --> 00:03:34,239

what's on task for both chris cassidy

98

00:03:38,789 --> 00:03:36,159

and luca parmitano as they're ready to

99

00:03:40,149 --> 00:03:38,799

step outside the u.s segment of the

100

00:03:41,430 --> 00:03:40,159

international space station they have

101
00:03:42,869 --> 00:03:41,440
quite a number of activities they need

102
00:03:47,190 --> 00:03:42,879
to get accomplished

103
00:03:50,710 --> 00:03:48,869
transfer work is also continuing in

104
00:03:52,149 --> 00:03:50,720
between the albert einstein automated

105
00:03:53,750 --> 00:03:52,159
transfer vehicle which is back on the

106
00:03:55,670 --> 00:03:53,760
russian end of the international space

107
00:03:58,309 --> 00:03:55,680
station that is the service module you

108
00:03:59,910 --> 00:03:58,319
see they're down below the atv

109
00:04:02,070 --> 00:03:59,920
this brought up more than seven tons of

110
00:04:03,589 --> 00:04:02,080
supplies to the international space

111
00:04:06,149 --> 00:04:03,599
station crew

112
00:04:09,670 --> 00:04:06,159
uh 7.3 tons to be exact you see the

113
00:04:11,509 --> 00:04:09,680

entire layout of atv there on the screen

114

00:04:13,589 --> 00:04:11,519

the crew is way ahead of the timeline in

115

00:04:14,470 --> 00:04:13,599

terms of the cargo transfer they're more

116

00:04:16,150 --> 00:04:14,480

than

117

00:04:17,509 --> 00:04:16,160

50 percent complete

118

00:04:19,349 --> 00:04:17,519

with everything and they're taking

119

00:04:21,509 --> 00:04:19,359

basically about half the amount of time

120

00:04:23,430 --> 00:04:21,519

that they have allocated to them

121

00:04:25,110 --> 00:04:23,440

so they're working fast and feverishly

122

00:04:27,749 --> 00:04:25,120

to get everything

123

00:04:29,749 --> 00:04:27,759

unloaded from the einstein atv they will

124

00:04:31,590 --> 00:04:29,759

pack it full of items that are no longer

125

00:04:33,670 --> 00:04:31,600

needed and ultimately

126
00:04:40,710 --> 00:04:33,680
that atv will be undocked and deorbited

127
00:04:43,510 --> 00:04:42,310
outside the international space station

128
00:04:45,270 --> 00:04:43,520
today there's also some robotic

129
00:04:47,430 --> 00:04:45,280
activities taking place there is a good

130
00:04:48,870 --> 00:04:47,440
shot of the dexter robot on the end of

131
00:04:52,469 --> 00:04:48,880
the station's

132
00:04:54,310 --> 00:04:52,479
uh giant 58-foot robotic arm

133
00:04:56,230 --> 00:04:54,320
dexter is being put through the paces

134
00:04:57,830 --> 00:04:56,240
this week that activity actually started

135
00:04:59,110 --> 00:04:57,840
yesterday but today

136
00:05:01,270 --> 00:04:59,120
they're going to be testing to see if

137
00:05:03,670 --> 00:05:01,280
dexter can open up some of the bay doors

138
00:05:05,670 --> 00:05:03,680

on the outside of the station's truss

139

00:05:06,950 --> 00:05:05,680

specifically there on the s zero truss

140

00:05:07,909 --> 00:05:06,960

that's the starboard truss sort of

141

00:05:09,670 --> 00:05:07,919

toward the

142

00:05:12,790 --> 00:05:09,680

middle of the station but you see these

143

00:05:15,189 --> 00:05:12,800

arms being moved dexter's arms are

144

00:05:17,350 --> 00:05:15,199

fairly long they're about 11 feet each

145

00:05:20,469 --> 00:05:17,360

dexter itself is about to 12 feet tall

146

00:05:22,070 --> 00:05:20,479

so quite a very large robot there on the

147

00:05:23,830 --> 00:05:22,080

outside of the station that

148

00:05:25,749 --> 00:05:23,840

hopefully once it gets tested and checks

149

00:05:28,950 --> 00:05:25,759

out can be used to perform

150

00:05:31,270 --> 00:05:28,960

uh some repair and replace techniques

151

00:05:32,870 --> 00:05:31,280

of different items such as the sort of

152

00:05:33,990 --> 00:05:32,880

the circuit boxes that are part of the

153

00:05:35,990 --> 00:05:34,000

station's

154

00:05:37,590 --> 00:05:36,000

power structure uh maybe one of these

155

00:05:39,990 --> 00:05:37,600

days it could be used to replace some

156

00:05:41,189 --> 00:05:40,000

ammonia tanks or anything such as that

157

00:05:44,469 --> 00:05:41,199

that the crews have had to do in the

158

00:05:45,670 --> 00:05:44,479

past but dexter's checkout will continue

159

00:05:47,189 --> 00:05:45,680

through the rest of this week on

160

00:05:48,070 --> 00:05:47,199

tomorrow on thursday they're going to be

161

00:05:50,230 --> 00:05:48,080

checking

162

00:05:52,150 --> 00:05:50,240

to see if it can remove some bolts

163

00:05:54,230 --> 00:05:52,160

using a new technique that is typically

164

00:05:56,230 --> 00:05:54,240

not used uh and then on friday they will

165

00:05:57,430 --> 00:05:56,240

stow it back into its safe configuration

166

00:05:58,710 --> 00:05:57,440

and hopefully all those checkout

167

00:06:01,749 --> 00:05:58,720

activities will go

168

00:06:04,390 --> 00:06:03,029

finally today the crew has several

169

00:06:06,390 --> 00:06:04,400

different crew earth observation

170

00:06:08,150 --> 00:06:06,400

opportunities down on the ground this is

171

00:06:09,430 --> 00:06:08,160

a chance for them to take a look at the

172

00:06:11,189 --> 00:06:09,440

planet below

173

00:06:12,950 --> 00:06:11,199

and to take photos and video if they can

174

00:06:14,950 --> 00:06:12,960

as they pass over certain

175

00:06:16,950 --> 00:06:14,960

man-made and natural phenomena and

176

00:06:17,990 --> 00:06:16,960

landmarks

177

00:06:20,230 --> 00:06:18,000

they're going to be passing over parts

178

00:06:21,270 --> 00:06:20,240

of rwanda today as well as damascus

179

00:06:22,469 --> 00:06:21,280

syria

180

00:06:24,870 --> 00:06:22,479

they're going to be passing over parts

181

00:06:27,430 --> 00:06:24,880

of armenia as well as andorra

182

00:06:28,950 --> 00:06:27,440

and also the sierra el tigre which is a

183

00:06:31,110 --> 00:06:28,960

section of mexico

184

00:06:32,710 --> 00:06:31,120

and also over the state of kansas here

185

00:06:34,390 --> 00:06:32,720

in the united states if you would like

186

00:06:35,430 --> 00:06:34,400

to take a look at any of these photos at

187

00:06:37,350 --> 00:06:35,440

the crew

188

00:06:39,749 --> 00:06:37,360

gatherers also take a look at

189

00:06:43,070 --> 00:06:39,759

what your city your home city looks like

190

00:06:48,710 --> 00:06:43,080

down on the ground below just log on to

191

00:06:54,309 --> 00:06:50,870

and as always you can log on to the

192

00:06:55,270 --> 00:06:54,319

station home page www.nasa.gov

193

00:06:57,830 --> 00:06:55,280

station

194

00:06:59,589 --> 00:06:57,840

www.nasa.gov

195

00:07:01,350 --> 00:06:59,599

station take a look on the left hand

196

00:07:03,670 --> 00:07:01,360

side you can see all kinds of photos and

197

00:07:04,790 --> 00:07:03,680

also tracking of the orbiting complex if

198

00:07:07,029 --> 00:07:04,800

you've never had a chance to step

199

00:07:08,390 --> 00:07:07,039

outside and see what the space station

200

00:07:10,230 --> 00:07:08,400

looks like as it flies overhead above

