



1
00:00:05,670 --> 00:00:03,030
hi i'm barry wilmore the pilot of the

2
00:00:22,710 --> 00:00:05,680
sts-129 mission and you're watching nasa

3
00:00:28,470 --> 00:00:25,589
only imagine

4
00:00:31,509 --> 00:00:28,480
when that day comes

5
00:00:34,229 --> 00:00:31,519
and i find myself

6
00:00:37,590 --> 00:00:34,239
standing in the sun

7
00:00:40,630 --> 00:00:37,600
i can only imagine

8
00:00:52,229 --> 00:00:40,640
when all life will do

9
00:00:52,239 --> 00:00:59,189
i can only imagine

10
00:01:06,469 --> 00:01:01,990
surrounded by your glory

11
00:01:22,390 --> 00:01:06,479
one will my heart feel when i dance for

12
00:01:28,630 --> 00:01:25,350
good morning atlantis and a very special

13
00:01:32,950 --> 00:01:30,469

hey good morning to you somewhat a very

14

00:01:34,870 --> 00:01:32,960

pleasant thought to wake up to

15

00:01:39,990 --> 00:01:34,880

thank you for playing that and thanks to

16

00:01:43,749 --> 00:01:42,069

is mission control houston there's quite

17

00:01:46,310 --> 00:01:43,759

a number of activities on the schedule

18

00:01:48,069 --> 00:01:46,320

today for the crew the two major focuses

19

00:01:50,310 --> 00:01:48,079

of today's activities will be taking a

20

00:01:52,069 --> 00:01:50,320

look at atlantis heat shield making sure

21

00:01:53,590 --> 00:01:52,079

that the shuttle is in good shape after

22

00:01:55,590 --> 00:01:53,600

yesterday's launch from the kennedy

23

00:01:58,950 --> 00:01:55,600

space center while this activity is

24

00:02:01,109 --> 00:01:58,960

going on randy bresnik bobby satcher and

25

00:02:02,550 --> 00:02:01,119

mike foreman the three spacewalkers for

26

00:02:03,910 --> 00:02:02,560

this mission will be taking a look at

27

00:02:05,350 --> 00:02:03,920

their spacesuits that are on board

28

00:02:06,709 --> 00:02:05,360

atlantis

29

00:02:08,389 --> 00:02:06,719

getting them ready to go they'll be

30

00:02:10,309 --> 00:02:08,399

transferred over to the international

31

00:02:12,070 --> 00:02:10,319

space station after tomorrow's docking

32

00:02:13,589 --> 00:02:12,080

takes place the crew will also be

33

00:02:16,150 --> 00:02:13,599

setting up what's called the center line

34

00:02:17,110 --> 00:02:16,160

camera this will give commander charlie

35

00:02:19,110 --> 00:02:17,120

hoba

36

00:02:20,630 --> 00:02:19,120

and pilot barry wilmore

37

00:02:22,070 --> 00:02:20,640

a more detailed view of the

38

00:02:24,470 --> 00:02:22,080

international space station and

39

00:02:26,710 --> 00:02:24,480

pressurized mating adapter number two

40

00:02:30,150 --> 00:02:26,720

as atlantis closes in for tomorrow's

41

00:02:34,470 --> 00:02:31,830

mission specialist leland melvin there

42

00:02:35,990 --> 00:02:34,480

working on the mid-deck of atlantis

43

00:02:37,830 --> 00:02:36,000

the crew continues to work through their

44

00:02:39,270 --> 00:02:37,840

morning activities

45

00:02:41,430 --> 00:02:39,280

melvin as well as the rest of the crew

46

00:02:43,589 --> 00:02:41,440

will be taking turns today

47

00:02:45,910 --> 00:02:43,599

piloting atlantis robotic arm with its

48

00:02:47,750 --> 00:02:45,920

50-foot long orbiter boom sensor system

49

00:02:49,270 --> 00:02:47,760

extension on the end of it

50

00:03:05,030 --> 00:02:49,280

as they conduct this inspection of

51
00:03:05,040 --> 00:03:36,309
there is pilot barry wilmore

52
00:03:41,110 --> 00:03:38,869
nicole stott there in the forward part

53
00:03:44,309 --> 00:03:41,120
of your picture in her last few days as

54
00:03:45,830 --> 00:03:44,319
a member of expedition 21.

55
00:03:47,270 --> 00:03:45,840
once the shuttle docks tomorrow and the

56
00:03:48,830 --> 00:03:47,280
hatches are opened

57
00:03:52,630 --> 00:03:48,840
she will officially become a member of

58
00:03:54,550 --> 00:03:52,640
sts-129 an emissions specialist

59
00:04:31,350 --> 00:03:54,560
her time onboard the station coming to a

60
00:04:35,830 --> 00:04:34,390
nice expedition 21 flight engineer jeff

61
00:04:39,270 --> 00:04:35,840
williams who is soon to become the

62
00:04:41,510 --> 00:04:39,280
commander of expedition 22

63
00:04:42,950 --> 00:04:41,520

he is working inside

64

00:04:45,110 --> 00:04:42,960

unity

65

00:04:46,469 --> 00:04:45,120

as the connecting node between the u.s

66

00:04:49,270 --> 00:04:46,479

segment of the station and the russian

67

00:04:52,230 --> 00:04:49,280

segment of the station

68

00:04:57,430 --> 00:04:52,240

it is also where the

69

00:04:57,440 --> 00:04:59,830

okay

70

00:05:03,270 --> 00:05:01,830

and it is also where node 3 or

71

00:05:05,189 --> 00:05:03,280

tranquility

72

00:05:06,469 --> 00:05:05,199

will be attached early next year there's

73

00:05:08,070 --> 00:05:06,479

quite a bit of work

74

00:05:09,270 --> 00:05:08,080

that the crew has been

75

00:05:11,670 --> 00:05:09,280

working through

76

00:05:13,189 --> 00:05:11,680

over the past few weeks getting this

77

00:05:14,870 --> 00:05:13,199

part of the station ready to go for the

78

00:05:19,350 --> 00:05:14,880

connection of that brand new segment

79

00:05:20,870 --> 00:05:19,360

that's coming up on mission sts-130

80

00:05:22,150 --> 00:05:20,880

there's a lot of internal cable routing

81

00:05:23,749 --> 00:05:22,160

that the crew has been working on which

82

00:06:33,909 --> 00:05:23,759

you see williams they're participating

83

00:06:37,350 --> 00:06:35,749

a team here in houston reporting and as

84

00:06:38,950 --> 00:06:37,360

you can see the orbiter boom sensor

85

00:06:40,629 --> 00:06:38,960

system has now been lifted up out of

86

00:06:41,909 --> 00:06:40,639

atlantis payload bay

87

00:06:44,870 --> 00:06:41,919

okay stan

88

00:06:49,430 --> 00:06:44,880

abrs status light is green

89

00:06:54,070 --> 00:06:49,440

and the numbers for the cgba

90

00:06:57,749 --> 00:06:54,080

day zero 16 colon 45 temperature 10

91

00:06:57,759 --> 00:07:15,350

copy all thank you

92

00:07:18,950 --> 00:07:16,950

the crew of atlanta is now beginning the

93

00:07:20,469 --> 00:07:18,960

process of using the shuttle's robotic

94

00:07:23,029 --> 00:07:20,479

arm to reach over and grab on to the

95

00:07:25,670 --> 00:07:23,039

orbiter boom sensor system

96

00:07:27,670 --> 00:07:25,680

the shuttle now passing 131 miles above

97

00:07:29,670 --> 00:07:27,680

egypt crossing over israel and then

98

00:07:31,589 --> 00:07:29,680

syria

99

00:07:38,070 --> 00:07:31,599

and then heading up over azerbaijan in

100

00:07:41,830 --> 00:07:39,430

you're getting a good look down into

101

00:07:43,749 --> 00:07:41,840

atlantis payload bay now of

102

00:07:47,350 --> 00:07:43,759

the two express logistics carriers the

103

00:07:49,029 --> 00:07:47,360

elc's that are the focus of this mission

104

00:07:50,950 --> 00:07:49,039

elc-1 is the one that's uh you're

105

00:07:53,110 --> 00:07:50,960

looking at right now it's in the forward

106

00:08:00,869 --> 00:07:53,120

part of the payload bay elc2 is tucked

107

00:08:03,909 --> 00:08:02,550

mission specialist leland melvin

108

00:08:06,230 --> 00:08:03,919

continuing to

109

00:08:12,150 --> 00:08:06,240

edge atlantis robotic arm closer to the

110

00:08:16,070 --> 00:08:14,469

once he has captured this 50 foot long

111

00:08:18,550 --> 00:08:16,080

extension

112

00:08:20,629 --> 00:08:18,560

he will be in the process of lifting it

113

00:08:38,630 --> 00:08:20,639

up out of the right side of atlantis

114

00:08:38,640 --> 00:08:42,469

copy

115

00:08:47,269 --> 00:08:45,269

the inspection of the starboard wing

116

00:08:49,590 --> 00:08:47,279

or the right wing of atlantis now

117

00:08:52,230 --> 00:08:49,600

underway that got kicked off at 7 39 a.m

118

00:08:53,590 --> 00:08:52,240

central time

119

00:08:54,870 --> 00:08:53,600

the inspection of this part of the

120

00:08:57,110 --> 00:08:54,880

shuttle will take a little more than an

121

00:08:59,030 --> 00:08:57,120

hour after that is complete

122

00:09:00,790 --> 00:08:59,040

the crew will turn their attention

123

00:09:02,550 --> 00:09:00,800

to the nose cap the very front part of

124

00:09:03,990 --> 00:09:02,560

the shuttle

125

00:09:06,230 --> 00:09:04,000

they will take a look at the reinforced

126
00:09:08,550 --> 00:09:06,240
carving carbon material that makes up

127
00:09:10,310 --> 00:09:08,560
that part of the spacecraft and then

128
00:09:12,630 --> 00:09:10,320
once that is complete they will move the

129
00:09:14,389 --> 00:09:12,640
orbiter boom sensor system over to the

130
00:09:18,389 --> 00:09:14,399
port wing or the left wing

131
00:09:23,030 --> 00:09:20,630
commander charlie hobaugh pilot barry

132
00:09:24,870 --> 00:09:23,040
wilmore and mission specialist leland

133
00:09:27,910 --> 00:09:24,880
melvin who is the lead robotics officer

134
00:09:29,590 --> 00:09:27,920
for this flight are at the controls of

135
00:09:32,389 --> 00:09:29,600
atlantis's robotic arm at this point in

136
00:09:36,550 --> 00:09:34,150
as we mentioned earlier the team here in

137
00:09:38,070 --> 00:09:36,560
houston is watching along taking a look

138
00:09:39,910 --> 00:09:38,080

at this video footage that is coming

139

00:09:41,670 --> 00:09:39,920

down from the two sensor packages on the

140

00:09:43,350 --> 00:09:41,680

end of the obss

141

00:09:47,269 --> 00:09:43,360

they will take a look at this data and

142

00:09:51,350 --> 00:09:49,350

the crew on board recording this footage

143

00:09:53,110 --> 00:09:51,360

as well it will be played back in case

144

00:09:55,509 --> 00:09:53,120

the team here in houston

145

00:10:16,790 --> 00:09:55,519

misses any of it as shuttle atlantis

146

00:10:22,550 --> 00:10:18,470

getting a good look now at the forward

147

00:10:26,630 --> 00:10:24,870

that is the docking port that will be

148

00:10:28,710 --> 00:10:26,640

attached to the international space

149

00:10:30,389 --> 00:10:28,720

station tomorrow

150

00:10:32,069 --> 00:10:30,399

later on today after all this inspection

151
00:10:33,190 --> 00:10:32,079
activity has been wrapped up the crew

152
00:10:34,470 --> 00:10:33,200
will be setting up the center line

153
00:10:35,509 --> 00:10:34,480
birthing camera which will go in the

154
00:10:37,829 --> 00:10:35,519
middle

155
00:10:39,509 --> 00:10:37,839
of that docking ring it will allow

156
00:10:41,269 --> 00:10:39,519
the commander charlie hoba and the pilot

157
00:10:42,630 --> 00:10:41,279
barry wilmore to

158
00:10:44,630 --> 00:10:42,640
have a better view

159
00:10:46,949 --> 00:10:44,640
of pressurized mating adapter number two

160
00:10:49,269 --> 00:10:46,959
that is their destination tomorrow on

161
00:10:50,710 --> 00:10:49,279
the international space station

162
00:10:52,550 --> 00:10:50,720
they will also be extending out what's

163
00:10:53,750 --> 00:10:52,560

called the orbiter docking system ring

164

00:10:54,870 --> 00:10:53,760

that is

165

00:11:40,949 --> 00:10:54,880

the part of the shuttle that actually

166

00:11:46,550 --> 00:11:43,590

robotic arm operators uh butch wilmore

167

00:11:48,949 --> 00:11:46,560

and leland melvin

168

00:11:52,069 --> 00:11:48,959

storing away the ord boom sensor system

169

00:11:54,710 --> 00:11:52,079

and and its three-dimensional laser

170

00:11:56,949 --> 00:11:54,720

imaging devices

171

00:11:59,269 --> 00:11:56,959

after successful completion of today's

172

00:12:01,110 --> 00:11:59,279

inspection activities next activity for

173

00:12:03,670 --> 00:12:01,120

the robotic arm

174

00:12:05,750 --> 00:12:03,680

is going to be the

175

00:12:07,990 --> 00:12:05,760

release of the order boom sensor system

176

00:12:10,550 --> 00:12:08,000

and then it will grapple the

177

00:12:13,030 --> 00:12:10,560

external logistics carrier number one

178

00:12:14,550 --> 00:12:13,040

let's be the first piece of uh equipment

179

00:12:16,230 --> 00:12:14,560

carrying spare parts delivered to the

180

00:12:19,590 --> 00:12:16,240

international space station following

181

00:12:38,870 --> 00:12:19,600

tomorrow's 10 53 am central time docking

182

00:12:46,710 --> 00:12:40,949

there's leland randy

183

00:12:56,550 --> 00:12:47,990

here's uh

184

00:12:56,560 --> 00:13:13,509

come up here just in a second

185

00:13:18,829 --> 00:13:14,949

randy making that like a good second

186

00:13:23,750 --> 00:13:21,110

there finally got unstrapped got a

187

00:13:29,509 --> 00:13:23,760

couple of shots to the ground

188

00:13:29,519 --> 00:13:33,670

i just fired a payload bay door opening

189

00:13:33,680 --> 00:13:45,350

there comes the starboard door

190

00:13:45,360 --> 00:13:54,230

and now for the port door

191

00:13:54,240 --> 00:14:02,310

smile

192

00:14:02,320 --> 00:14:09,750

there's bobby get him a drink of water

193

00:14:19,189 --> 00:14:13,350

i'm looking out at apds elc-1 elc-2 back

194

00:14:19,199 --> 00:14:23,110

arms already pre-cradle

195

00:14:33,030 --> 00:14:24,389

set up to get

196

00:14:37,110 --> 00:14:35,430

hey just the beginning of sunrise that

197

00:14:45,269 --> 00:14:37,120

little flash there

198

00:14:49,750 --> 00:14:47,269

bobby mike this is today now doing a

199

00:14:51,750 --> 00:14:49,760

little emu check out back in the airline

200

00:14:54,150 --> 00:14:51,760

we're just doing today even you check

201
00:14:55,110 --> 00:14:54,160
out here on flight day two having a fun

202
00:14:57,110 --> 00:14:55,120
time

203
00:14:59,509 --> 00:14:57,120
yeah apparently we have to do it before

204
00:15:04,310 --> 00:15:01,990
don't be talking that way

205
00:15:05,430 --> 00:15:04,320
have a good one all right thanks for

206
00:15:06,790 --> 00:15:05,440
watching

207
00:15:07,670 --> 00:15:06,800
we want to tell you a little bit about

208
00:15:09,430 --> 00:15:07,680
uh

209
00:15:10,870 --> 00:15:09,440
stay away from the red dot food man you

210
00:15:11,910 --> 00:15:10,880
shouldn't be stealing anything normal

211
00:15:13,990 --> 00:15:11,920
food

212
00:15:17,110 --> 00:15:14,000
it has blue dots on it

213
00:15:19,670 --> 00:15:17,120

it's got blue velcro so blue is my color

214

00:15:22,470 --> 00:15:20,870

see here

215

00:15:24,069 --> 00:15:22,480

that's my color

216

00:15:25,269 --> 00:15:24,079

blue no

217

00:15:27,350 --> 00:15:25,279

all right here we come again little

218

00:15:29,189 --> 00:15:27,360

flight dick uh

219

00:15:32,790 --> 00:15:29,199

mr rolex as we are

220

00:15:32,800 --> 00:15:39,590

terminator

221

00:15:44,150 --> 00:15:41,350

continuing with the inspection the nose

222

00:15:45,670 --> 00:15:44,160

cap inspection you can see the

223

00:15:47,269 --> 00:15:45,680

shuttle arm coming out in front of the

224

00:16:01,030 --> 00:15:47,279

vehicle

225

00:16:14,470 --> 00:16:02,949

and view over the pacific

226

00:16:22,069 --> 00:16:16,310

mike on the bike

227

00:16:22,079 --> 00:16:27,509

finishing up inspection

228

00:16:29,990 --> 00:16:28,870

and next i think it's a few words from

229

00:16:33,430 --> 00:16:30,000

charlie

230

00:16:35,749 --> 00:16:33,440

a really busy first day and uh then we

231

00:16:37,590 --> 00:16:35,759

got caught up pretty good today and