



1
00:00:19,500 --> 00:00:03,200
howdy I'm Bob Behnken spacewalker on

2
00:00:19,510 --> 00:00:45,120
you

3
00:00:50,680 --> 00:00:47,380
endeavour Houston good morning

4
00:00:52,479 --> 00:00:50,690
especially good morning the bobs good

5
00:00:54,700 --> 00:00:52,489
morning Houston thank you very much for

6
00:00:57,310 --> 00:00:54,710
that for I wake up music this morning

7
00:00:59,740 --> 00:00:57,320
and a special good morning tamiya life

8
00:01:02,410 --> 00:00:59,750
Megan who I really do look forward to

9
00:01:04,869 --> 00:01:02,420
seeing here in just a handful of days

10
00:01:07,150 --> 00:01:04,879
now so can't wait to be back in your

11
00:01:10,160 --> 00:01:07,160
arms and feedback in Florida and then

12
00:01:14,490 --> 00:01:12,359
this is Mission Control Houston as

13
00:01:16,500 --> 00:01:14,500

you've heard now the wake up song played

14

00:01:19,469 --> 00:01:16,510

for the on-orbit crew that song was

15

00:01:22,950 --> 00:01:19,479

entitled parabola performed by tool for

16

00:01:25,109 --> 00:01:22,960

Robert bankin the crew will now have a

17

00:01:27,510 --> 00:01:25,119

couple of hours of personal time for

18

00:01:29,430 --> 00:01:27,520

their start of day they'll have a

19

00:01:31,070 --> 00:01:29,440

personal time for breakfast and hygiene

20

00:01:33,270 --> 00:01:31,080

before starting with their task

21

00:01:35,160 --> 00:01:33,280

primarily the relocation of the

22

00:01:38,100 --> 00:01:35,170

pressurized mating adapter number three

23

00:01:40,109 --> 00:01:38,110

that will be relocated at the end of the

24

00:01:41,700 --> 00:01:40,119

space station robotic arm from its

25

00:01:45,320 --> 00:01:41,710

position on the harmony module to the

26
00:01:47,700 --> 00:01:45,330
now open port on the tranquility module

27
00:01:50,669 --> 00:01:47,710
other task for the day include the

28
00:01:52,889 --> 00:01:50,679
internal outfitting of the cupola that

29
00:01:54,630 --> 00:01:52,899
piece of hardware was relocated

30
00:01:56,219 --> 00:01:54,640
overnight during the crew day and now

31
00:01:58,980 --> 00:01:56,229
installed in its permanent location on

32
00:02:00,719 --> 00:01:58,990
the earth-facing port of tranquility on

33
00:02:03,059 --> 00:02:00,729
board crew also continue with some other

34
00:02:04,980 --> 00:02:03,069
interior outfitting work and then have

35
00:02:07,440 --> 00:02:04,990
the afternoon off they'll wrap up their

36
00:02:08,940 --> 00:02:07,450
day with a procedure review for the

37
00:02:10,949 --> 00:02:08,950
third and final spacewalk of this

38
00:02:15,120 --> 00:02:10,959

mission it will be conducted by rubber

39

00:02:18,730 --> 00:02:17,350

this is Mission Control Houston with the

40

00:02:20,980 --> 00:02:18,740

view on the outside of the International

41

00:02:23,680 --> 00:02:20,990

Space Station and Space Shuttle Endeavor

42

00:02:25,450 --> 00:02:23,690

complex the morning of activities will

43

00:02:28,290 --> 00:02:25,460

focus on the relocation of the

44

00:02:31,090 --> 00:02:28,300

pressurized mating adapter number three

45

00:02:35,160 --> 00:02:31,100

from its temporary location on the

46

00:02:38,440 --> 00:02:35,170

zenith or top of the Harmony node to its

47

00:02:44,470 --> 00:02:38,450

location on the end of the new

48

00:02:47,620 --> 00:02:44,480

tranquility node tranquility is seen

49

00:02:50,890 --> 00:02:47,630

here about in the top center view with

50

00:02:57,190 --> 00:02:50,900

the cupola now on the earth-facing port

51
00:03:00,130 --> 00:02:57,200
the top in this view inside the new

52
00:03:02,380 --> 00:03:00,140
tranquility node three astronaut soichi

53
00:03:04,180 --> 00:03:02,390
noguchi is doing a checkout procedure

54
00:03:06,699 --> 00:03:04,190
for the advanced resistive exercise

55
00:03:12,820 --> 00:03:06,709
device which has been relocated to that

56
00:03:14,590 --> 00:03:12,830
node the biomedical engineers and flight

57
00:03:18,539 --> 00:03:14,600
surgeons are monitoring that check out

58
00:03:21,580 --> 00:03:18,549
from Mission Control through video as

59
00:03:25,720 --> 00:03:21,590
the first check out is an unmanned

60
00:03:29,620 --> 00:03:25,730
configuration Gucci's set maneuvering

61
00:03:34,720 --> 00:03:29,630
the device within it's a vibration

62
00:03:37,539 --> 00:03:34,730
isolation system and then as part of the

63
00:03:39,009 --> 00:03:37,549

check out to to exercise sessions will

64

00:03:48,699 --> 00:03:39,019

be conducted by two different crew

65

00:03:52,630 --> 00:03:48,709

members on the device later today okay

66

00:03:57,699 --> 00:03:52,640

Houston station is one to eric 06 is

67

00:04:00,550 --> 00:03:57,709

complete and old auntie scopa 20 within

68

00:04:02,860 --> 00:04:00,560

15 seconds and to each he were still

69

00:04:05,080 --> 00:04:02,870

with you on one that was a great views

70

00:04:05,920 --> 00:04:05,090

for the why and the x axis but we're

71

00:04:08,500 --> 00:04:05,930

still going to need for you to

72

00:04:14,410 --> 00:04:08,510

reposition the camera for Z and sorry we

73

00:04:28,940 --> 00:04:14,420

weren't clear about that okay so I want

74

00:04:34,280 --> 00:04:31,910

just come to a cpcs loud about it so you

75

00:04:40,610 --> 00:04:34,290

can check the view at your convenience

76

00:04:45,440 --> 00:04:40,620

we have the view suite g and it looks

77

00:04:47,420 --> 00:04:45,450

great this is looking out the port side

78

00:04:50,290 --> 00:04:47,430

of the International Space Station

79

00:04:53,390 --> 00:04:50,300

through a small window on the hatch on

80

00:04:55,700 --> 00:04:53,400

tranquility on the end of the node where

81

00:05:00,110 --> 00:04:55,710

the pressurized mating adapter number

82

00:05:05,600 --> 00:05:00,120

three will be relocated today a check go

83

00:05:10,160 --> 00:05:05,610

ahead zambo JPM le check cashed at three

84

00:05:18,529 --> 00:05:10,170

decimal nine pressure was zero at gmt

85

00:05:34,210 --> 00:05:21,299

that's a good number Zambo no need to

86

00:05:39,320 --> 00:05:36,950

shuttle commander george Samko reading

87

00:05:40,970 --> 00:05:39,330

down the pressure reading for the

88

00:05:44,030 --> 00:05:40,980

pressurized mating adapter number three

89

00:05:50,480 --> 00:05:44,040

that he completed in preparation for the

90

00:05:52,600 --> 00:05:50,490

relocation of that element a view inside

91

00:05:54,890 --> 00:05:52,610

the station's Destiny laboratory where

92

00:05:57,080 --> 00:05:54,900

commander jeff williams and flight

93

00:05:58,610 --> 00:05:57,090

engineer sweetie noguchi are working

94

00:06:00,410 --> 00:05:58,620

through the procedure to release the

95

00:06:02,030 --> 00:06:00,420

bolts that are holding the pressurized

96

00:06:06,170 --> 00:06:02,040

mating adapter number three to the

97

00:06:08,990 --> 00:06:06,180

Harmony node there are 16 bolts that

98

00:06:10,960 --> 00:06:09,000

secure an element into place on the

99

00:06:14,210 --> 00:06:10,970

common berthing mechanism and the

100

00:06:16,130 --> 00:06:14,220

procedure goes through releasing a half

101
00:06:21,950 --> 00:06:16,140
of those bolts first and then the second

102
00:06:25,190 --> 00:06:21,960
half subsequently actually the release

103
00:06:27,530 --> 00:06:25,200
of an element includes a releasing four

104
00:06:30,440 --> 00:06:27,540
bolts at a time the capture of an

105
00:06:37,820 --> 00:06:30,450
element to when it is installed is done

106
00:06:39,200 --> 00:06:37,830
in the two-stage fashion the crew

107
00:06:46,130 --> 00:06:39,210
members are in the step of the procedure

108
00:06:48,740 --> 00:06:46,140
to remove the first set of four bolts in

109
00:06:50,570 --> 00:06:48,750
this view you also see endeavors mission

110
00:06:53,540 --> 00:06:50,580
specialist Nicholas Patrick getting set

111
00:06:55,730 --> 00:06:53,550
up at the robotics workstation he will

112
00:06:59,510 --> 00:06:55,740
be working with astronaut Bob Behnken to

113
00:07:01,790 --> 00:06:59,520

operate Canada too and relocate the

114

00:07:04,460 --> 00:07:01,800

pressurized mating adapter number three

115

00:07:08,420 --> 00:07:04,470

after it has been removed from harmony

116

00:07:16,070 --> 00:07:08,430

Canada arm too has a firm grasp on the

117

00:07:17,120 --> 00:07:16,080

PMA three at the moment this is a view

118

00:07:20,900 --> 00:07:17,130

on the outside of the International

119

00:07:23,870 --> 00:07:20,910

Space Station canadarm2 is working from

120

00:07:25,940 --> 00:07:23,880

its operating base on the outside of the

121

00:07:29,000 --> 00:07:25,950

Destiny lab on the right side of the

122

00:07:31,820 --> 00:07:29,010

view and it is extended down below this

123

00:07:34,160 --> 00:07:31,830

view and connected to the pressurized

124

00:07:37,730 --> 00:07:34,170

mating adapter number three while it is

125

00:07:44,710 --> 00:07:37,740

currently attached to the Xenocide or

126
00:07:49,660 --> 00:07:47,470
the PMA three will be positioned at the

127
00:07:53,650 --> 00:07:49,670
end of Tranquility which this is a view

128
00:07:56,310 --> 00:07:53,660
inside of the hatch behind astronaut TJ

129
00:08:00,250 --> 00:07:56,320
creamer the background of the view is

130
00:08:02,650 --> 00:08:00,260
where the PMA three will be relocated to

131
00:08:05,760 --> 00:08:02,660
and it is being positioned there to

132
00:08:08,560 --> 00:08:05,770
provide additional coverage or

133
00:08:14,290 --> 00:08:08,570
protection from micrometeoroid debris at

134
00:08:16,720 --> 00:08:14,300
on that port astronauts terry virts and

135
00:08:20,170 --> 00:08:16,730
k hire working on a procedure to outfit

136
00:08:23,440 --> 00:08:20,180
the cupola vestibule it's a new location

137
00:08:26,650 --> 00:08:23,450
and a permanent location now on the

138
00:08:27,790 --> 00:08:26,660

earth-facing port of Tranquility verts

139

00:08:30,250 --> 00:08:27,800
and higher working through that

140

00:08:37,420 --> 00:08:30,260
procedure to connect power and data

141

00:08:39,040 --> 00:08:37,430
utility cables the Operations Support

142

00:08:41,529 --> 00:08:39,050
Officer here in the International Space

143

00:08:42,820 --> 00:08:41,539
Station flight control room can see that

144

00:08:46,300 --> 00:08:42,830
the fourth set of bolts have been

145

00:08:47,920 --> 00:08:46,310
removed all 16 volts then disengaged

146

00:08:50,320 --> 00:08:47,930
from holding the pressurized mating

147

00:09:00,700 --> 00:08:50,330
adapter number three in place and now

148

00:09:03,400 --> 00:09:00,710
the four latches are being deployed and

149

00:09:14,329 --> 00:09:03,410
on the big loop the latches are deployed

150

00:09:28,879 --> 00:09:17,869
hf SS rms operator copies that we are go

151
00:09:30,799 --> 00:09:28,889
for the PMA 3 maneuver two sets of crew

152
00:09:32,569 --> 00:09:30,809
members working side by side inside the

153
00:09:34,939 --> 00:09:32,579
International Space Station on the

154
00:09:39,769 --> 00:09:34,949
process to relocate the pressurized

155
00:09:40,970 --> 00:09:39,779
mating adapter number three station

156
00:09:43,309 --> 00:09:40,980
commander jeff williams and flight

157
00:09:45,530 --> 00:09:43,319
engineer sweetie noguchi completed the

158
00:09:48,920 --> 00:09:45,540
procedure to release the bolts securing

159
00:09:50,629 --> 00:09:48,930
the PMA 3 in place I fill ground steps

160
00:09:57,139 --> 00:09:50,639
are in place you have a go to do your

161
00:09:59,989 --> 00:09:57,149
fill part 1 and also just deployed the

162
00:10:04,030 --> 00:09:59,999
four latches inside the common berthing

163
00:10:07,579 --> 00:10:04,040

mechanism on harmony got being worked

164

00:10:09,199 --> 00:10:07,589

now astronauts Bob bankin and Nicholas

165

00:10:13,670 --> 00:10:09,209

Patrick will operate the station's

166

00:10:22,549 --> 00:10:13,680

robotic arm canadarm2 which already has

167

00:10:24,049 --> 00:10:22,559

a grapple or a hold on the PMA 3 they

168

00:10:26,710 --> 00:10:24,059

will be working at this robotics

169

00:10:29,989 --> 00:10:26,720

workstation inside the Destiny lab to

170

00:10:32,679 --> 00:10:29,999

remove p.m. a three from the zenith port

171

00:10:36,230 --> 00:10:32,689

or space facing port on harmony and

172

00:10:46,940 --> 00:10:36,240

placing it on the port end of the

173

00:10:51,390 --> 00:10:49,440

in this view on the outside of the space

174

00:10:53,280 --> 00:10:51,400

station you can see the pressurized

175

00:10:56,640 --> 00:10:53,290

mating adapter number three is being

176
00:11:00,090 --> 00:10:56,650
removed from its location on the space

177
00:11:38,000 --> 00:11:00,100
facing or zenith port of the Harmony

178
00:11:42,350 --> 00:11:40,160
this is Mission Control Houston with the

179
00:11:44,300 --> 00:11:42,360
BU back outside the International Space

180
00:11:47,030 --> 00:11:44,310
Station with the pressurized mating

181
00:11:50,960 --> 00:11:47,040
adapter number three being relocated by

182
00:11:52,520 --> 00:11:50,970
the station's robotic arm canadarm2 the

183
00:11:54,170 --> 00:11:52,530
robotic arm is being operated by

184
00:11:55,940 --> 00:11:54,180
astronauts Bob bankin and Nicholas

185
00:11:59,090 --> 00:11:55,950
Patrick from inside the station's

186
00:12:03,950 --> 00:11:59,100
destiny lab it is being relocated to the

187
00:12:06,950 --> 00:12:03,960
port side of the station on the the end

188
00:12:11,660 --> 00:12:06,960

of the tranquility node the port is

189

00:12:13,190 --> 00:12:11,670

visible here as the adapter is being

190

00:12:34,790 --> 00:12:13,200

maneuvered closer and closer to its

191

00:12:40,040 --> 00:12:37,130

you can see the earth below as the

192

00:12:42,110 --> 00:12:40,050

station and shuttle complex orbit 217

193

00:12:57,759 --> 00:12:42,120

statute miles above the earth to the

194

00:13:03,489 --> 00:13:00,970

this is a view from a camera inside the

195

00:13:06,819 --> 00:13:03,499

port that PMA three will be attached to

196

00:13:08,889 --> 00:13:06,829

and is a camera set up for precise

197

00:13:20,700 --> 00:13:08,899

alignment of the element while it is

198

00:13:28,020 --> 00:13:23,190

Houston station on the big loop we are

199

00:13:32,250 --> 00:13:28,030

ready for the CBC SVU to monitor to copy

200

00:13:35,550 --> 00:13:32,260

Bob we will put that in work the

201
00:13:37,380 --> 00:13:35,560
movement of the canadarm2 to relocate

202
00:13:40,290 --> 00:13:37,390
the pressurized mating adapter number

203
00:13:43,470 --> 00:13:40,300
three is paused at this point in the

204
00:14:05,790 --> 00:13:43,480
procedure as the camera views are

205
00:14:10,720 --> 00:14:08,190
station astronauts Jeff Williams and

206
00:14:12,460 --> 00:14:10,730
Sweetie noguchi have prepared the

207
00:14:14,410 --> 00:14:12,470
tranquility nodes common berthing

208
00:14:16,300 --> 00:14:14,420
mechanism for the attachment of the

209
00:14:19,300 --> 00:14:16,310
pressurized mating adapter number three

210
00:14:22,180 --> 00:14:19,310
and shuttle astronauts Nicholas Patrick

211
00:14:25,300 --> 00:14:22,190
and Bob Behnken will resume maneuvering

212
00:14:29,860 --> 00:14:25,310
canadarm2 to bring the adapter in for

213
00:14:35,889 --> 00:14:29,870

its attachment to tranquility 13 of 1.5

214

00:14:44,929 --> 00:14:35,899

10 for robotics these season copies on

215

00:14:50,400 --> 00:14:47,960

Canada arm two is now in motion again to

216

00:14:53,609 --> 00:14:50,410

move the pressurized mating adapter

217

00:15:31,180 --> 00:14:53,619

number three into its new location on

218

00:15:36,100 --> 00:15:33,250

Euston station on the big loop for

219

00:15:39,400 --> 00:15:36,110

robotics we're at eight centimeters for

220

00:15:43,200 --> 00:15:39,410

showing only RTLS three and four and we

221

00:15:46,360 --> 00:15:43,210

think that a positive pitch is I'm sorry

222

00:15:52,120 --> 00:15:46,370

we think a negative is what we

223

00:15:57,910 --> 00:15:52,130

need we're missing one and two houston

224

00:16:02,680 --> 00:15:57,920

concur negative pitch okay here comes a

225

00:16:04,630 --> 00:16:02,690

negative pitch the pressurized mating

226
00:16:06,850 --> 00:16:04,640
adapter number three has made initial

227
00:16:09,930 --> 00:16:06,860
contact with the mechanism on

228
00:16:12,610 --> 00:16:09,940
tranquility but only half of the four

229
00:16:14,800 --> 00:16:12,620
indications have been received that the

230
00:16:19,960 --> 00:16:14,810
element is in place and ready to be

231
00:16:22,540 --> 00:16:19,970
latched in place Houston we've got just

232
00:16:30,270 --> 00:16:22,550
RTL number Q missing now so we'll give

233
00:16:30,280 --> 00:16:41,680
concur on negative pitch positive yah

234
00:16:46,240 --> 00:16:44,770
when Euston station on the big loop

235
00:16:49,090 --> 00:16:46,250
we're going to give our go to the CBM

236
00:16:56,860 --> 00:16:49,100
operator that maneuver to RTL is

237
00:16:58,780 --> 00:16:56,870
complete Houston copy the pressurized

238
00:17:01,480 --> 00:16:58,790

mating adapter number three is in place

239

00:17:03,430 --> 00:17:01,490

and ready for station crew members Jeff

240

00:17:05,170 --> 00:17:03,440

Williams and Sweetie noguchi to pick up

241

00:17:07,870 --> 00:17:05,180

with the procedure to secure it in place

242

00:17:10,750 --> 00:17:07,880

using four latches first and then

243

00:17:17,949 --> 00:17:10,760

securing the 16 bolts in place in a

244

00:17:20,470 --> 00:17:17,959

two-stage fashion this is a view inside

245

00:17:23,410 --> 00:17:20,480

the tranquility node looking down at the

246

00:17:25,420 --> 00:17:23,420

hatch way into the cupola where

247

00:17:27,520 --> 00:17:25,430

astronauts can hire and terry virts had

248

00:17:30,250 --> 00:17:27,530

been meeting the power and data

249

00:17:32,770 --> 00:17:30,260

connections into the cupola restaurant

250

00:17:38,140 --> 00:17:32,780

Steve Robinson also in view working with

251
00:17:39,520 --> 00:17:38,150
them astronauts at Nicholas Patrick and

252
00:17:41,770 --> 00:17:39,530
Bob bank and are done with their

253
00:17:43,270 --> 00:17:41,780
activities for the day until they

254
00:17:45,370 --> 00:17:43,280
reconvene with the rest of the crew

255
00:17:48,280 --> 00:17:45,380
members to review the procedures for the

256
00:17:50,170 --> 00:17:48,290
missions third spacewalk that is

257
00:17:54,340 --> 00:17:50,180
scheduled to start just after three a.m.

258
00:17:56,410 --> 00:17:54,350
central time and then bankin and Patrick

259
00:17:58,570 --> 00:17:56,420
will spend their night inside the

260
00:18:05,430 --> 00:17:58,580
station's quest airlock to prepare for

261
00:18:09,820 --> 00:18:07,960
astronauts k hire and terry virts are

262
00:18:12,520 --> 00:18:09,830
working inside the new tranquility node

263
00:18:14,620 --> 00:18:12,530

this is the hatchway leading into the

264

00:18:16,540 --> 00:18:14,630

cupola that they're making the

265

00:18:21,160 --> 00:18:16,550

connections for power and data for that

266

00:18:24,070 --> 00:18:21,170

new observation deck future robotic arm

267

00:18:27,160 --> 00:18:24,080

operations will be able to be conducted

268

00:18:29,290 --> 00:18:27,170

from the cupola once the spare robotics

269

00:18:32,260 --> 00:18:29,300

workstation inside the Destiny lab is

270

00:18:36,930 --> 00:18:32,270

relocated into the new element that is

271

00:18:41,110 --> 00:18:38,920

outfitting of the new cupola will

272

00:18:43,470 --> 00:18:41,120

continue over the next day also while

273

00:18:46,330 --> 00:18:43,480

the mission spacewalk is ongoing

274

00:18:48,880 --> 00:18:46,340

including installing an auto audio

275

00:18:50,950 --> 00:18:48,890

terminal unit so that crew members can

276

00:18:53,530 --> 00:18:50,960

use the station's communication system

277

00:18:54,970 --> 00:18:53,540

while inside the cupola as well as that

278

00:18:57,610 --> 00:18:54,980

power ports for

279

00:18:59,680 --> 00:18:57,620

equipment and the spacewalkers will be

280

00:19:02,350 --> 00:18:59,690

removing the thermal covers on the

281

00:19:05,590 --> 00:19:02,360

outside of the element and crew members

282

00:19:15,310 --> 00:19:05,600

inside will be checking out the shutters

283

00:19:16,870 --> 00:19:15,320

on the windows this is a view on the

284

00:19:18,789 --> 00:19:16,880

outside of the International Space

285

00:19:22,030 --> 00:19:18,799

Station and Space Shuttle Endeavor as

286

00:19:23,919 --> 00:19:22,040

the two vehicles orbit together 217

287

00:19:25,480 --> 00:19:23,929

statute miles above the earth over the

288

00:19:57,880 --> 00:19:25,490

South Pacific Ocean they are passing

289

00:19:57,890 --> 00:20:03,500

you

290

00:20:10,130 --> 00:20:06,100

this is Mission Control Houston the

291

00:20:11,900 --> 00:20:10,140

expedition 22 and STS 130 endeavour

292

00:20:13,880 --> 00:20:11,910

crews have joined together inside the

293

00:20:20,000 --> 00:20:13,890

unity note on board the International

294

00:20:23,390 --> 00:20:20,010

Space Station for lunch unity was the

295

00:20:29,920 --> 00:20:23,400

first u.s. built element of the

296

00:20:37,030 --> 00:20:34,940

assembled to the zarya module the first

297

00:20:40,730 --> 00:20:37,040

element to launch for the space station

298

00:20:46,010 --> 00:20:40,740

unity was launched by the space shuttle

299

00:20:48,560 --> 00:20:46,020

Endeavour in December of 1998 it is a

300

00:20:52,760 --> 00:20:48,570

little bit shorter than the European

301
00:21:01,220 --> 00:20:52,770
built node 2 and node 3 the harmony and

302
00:21:03,860 --> 00:21:01,230
tranquility nodes this is now view on

303
00:21:07,040 --> 00:21:03,870
the outside of the complex provided by a

304
00:21:12,920 --> 00:21:07,050
video camera on endeavour looking at the

305
00:21:16,330 --> 00:21:12,930
new tranquility node tranquility is

306
00:21:19,160 --> 00:21:16,340
attached to the port side of unity on

307
00:21:26,150 --> 00:21:19,170
the other side of unity is the station's

308
00:21:29,270 --> 00:21:26,160
quest airlock the unity node also serves

309
00:21:31,790 --> 00:21:29,280
as a passageway between the Russian

310
00:21:34,340 --> 00:21:31,800
segment of the station in the u.s.

311
00:21:37,520 --> 00:21:34,350
operating segment which includes the

312
00:22:12,400 --> 00:21:37,530
Destiny laboratory module and the

313
00:22:18,010 --> 00:22:15,280

petrelli from some human interest story

314

00:22:20,770 --> 00:22:18,020

shop for pilot Gerry bird sitting down

315

00:22:25,470 --> 00:22:20,780

some video the crusin dubs has recorded

316

00:22:34,180 --> 00:22:31,360

deviled eggs here and Terry we're

317

00:22:41,850 --> 00:22:34,190

getting we're getting good video and

318

00:22:41,860 --> 00:22:48,140

something to do they're good

319

00:23:00,500 --> 00:22:51,530

morning after shave his face with

320

00:23:03,290 --> 00:23:00,510

intensive lactating Oh over here from

321

00:23:06,800 --> 00:23:03,300

the movie get things that the guild in

322

00:23:08,630 --> 00:23:06,810

order to incident is more positive of

323

00:23:54,090 --> 00:23:08,640

Ireland which is where the way I didn't

324

00:23:54,100 --> 00:24:19,170

choice for breakfast this morning

325

00:24:25,410 --> 00:24:21,690

Jeff comes he comes over quite often for

326

00:24:28,650 --> 00:24:25,420

meals for breakfast for us the technique

327

00:24:36,390 --> 00:24:28,660

of us eating your food to bag that way

328

00:24:38,400 --> 00:24:36,400

it doesn't make as much a mess here are

329

00:24:42,060 --> 00:24:38,410

Nick and Bob doing the robotic ops today

330

00:24:44,280 --> 00:24:42,070

they got to move module called p.m. 83

331

00:24:45,990 --> 00:24:44,290

which is a connecting module and they

332

00:24:49,110 --> 00:24:46,000

moved it from a temporary storage

333

00:24:53,700 --> 00:24:49,120

location back to the left end of the

334

00:24:56,280 --> 00:24:53,710

port and of those trees and that is now

335

00:24:57,660 --> 00:24:56,290

where Cooper was when we launched so

336

00:24:59,820 --> 00:24:57,670

it's been a little bit of a shell game

337

00:25:05,160 --> 00:24:59,830

moving modules around to make sure they

338

00:25:39,790 --> 00:25:05,170

all fit they cleave the main operator

339

00:25:53,630 --> 00:25:48,560

diaper service good night view the

340

00:25:55,520 --> 00:25:53,640

kooples how will we have the whole we

341

00:25:56,900 --> 00:25:55,530

got all the covering and everything open

342

00:25:59,660 --> 00:25:56,910

so we really had our first use of the

343

00:26:01,670 --> 00:25:59,670

coop with it over to join eyes and God

344

00:26:07,100 --> 00:26:01,680

right there is the port in a no true

345

00:26:10,760 --> 00:26:07,110

which is now we're p.m. a truth that you

346

00:26:11,840 --> 00:26:10,770

give it an Essie so what you hear there

347

00:26:13,790 --> 00:26:11,850

is the sound of that thing

348

00:26:15,350 --> 00:26:13,800

repressurizing we were letting air from

349

00:26:17,720 --> 00:26:15,360

the station go into that market all that

350

00:26:19,790 --> 00:26:17,730

humming and hissing of stuff was they're

351
00:26:21,740 --> 00:26:19,800
going in there she can ck down there

352
00:26:24,560 --> 00:26:21,750
doing work in the coupon I'm getting

353
00:26:26,600 --> 00:26:24,570
some tools you can tell both getting the

354
00:26:27,950 --> 00:26:26,610
cupola wired up today and so there's

355
00:26:29,780 --> 00:26:27,960
just a lot of things going on there was

356
00:26:31,610 --> 00:26:29,790
a lot of hey reg activity which is that

357
00:26:34,360 --> 00:26:31,620
exercise machine right above the cupola

358
00:26:36,230 --> 00:26:34,370
so that it's been a very busy place

359
00:26:39,410 --> 00:26:36,240
you'll notice the Air Force Academy

360
00:26:44,390 --> 00:26:39,420
better there on the side what you know

361
00:26:46,280 --> 00:26:44,400
it's you ready for a crew lunch this was

362
00:26:47,720 --> 00:26:46,290
really nice Jeff put together a crew

363
00:26:49,340 --> 00:26:47,730

watch for it for the whole cruise down

364

00:26:55,529 --> 00:26:49,350

there and node one having once together

365

00:26:58,349 --> 00:26:55,539

Bob so everybody has utensils idea

366

00:27:05,299 --> 00:26:58,359

rockton gay hello you got your formal

367

00:27:05,309 --> 00:27:09,159

wrote something there

368

00:27:09,169 --> 00:27:18,340

she was part of the sushi food

369

00:27:18,350 --> 00:27:22,980

and so proper

370

00:27:30,460 --> 00:27:27,190

it's already some of this is that wrong

371

00:27:32,320 --> 00:27:30,470

because what is that sweetie it's a

372

00:27:35,290 --> 00:27:32,330

space machine in space sushi with

373

00:27:39,700 --> 00:27:35,300

Simon's space cooked sushi yeah anyone

374

00:27:46,680 --> 00:27:39,710

to make once again let me get casey

375

00:27:49,810 --> 00:27:46,690

kasem space in 1840 number five russian

376

00:27:52,300 --> 00:27:49,820

food and japanese food three to get that

377

00:27:53,920 --> 00:27:52,310

space sushi forth and i was a really

378

00:28:01,190 --> 00:27:53,930

good lesson to lube up out for american

379

00:28:01,200 --> 00:28:06,899

oh yeah

380

00:28:06,909 --> 00:28:12,159

ah

381

00:28:20,830 --> 00:28:17,229

Oh generico NASA sabbagh she know this

382

00:28:29,469 --> 00:28:20,840

is entirely the marmalade I wish you may

383

00:28:34,310 --> 00:28:31,759

that's the version with a stripper

384

00:28:37,489 --> 00:28:34,320

intellectualizing marmo days which is

385

00:28:40,070 --> 00:28:37,499

the eddy hooked know the story behind

386

00:28:44,119 --> 00:28:40,080

the mark marmalade is we got a toxic

387

00:28:47,359 --> 00:28:44,129

shot dry run out it's free frozen that

388

00:28:49,459 --> 00:28:47,369

is it's ok it's good oh that is more

389

00:28:52,219 --> 00:28:49,469

money but amazing no it's hoping our

390

00:28:56,149 --> 00:28:52,229

mother okay oh yeah he's doing homemade

391

00:28:58,510 --> 00:28:56,159

it's it's a yeah my um really did really

392

00:29:01,360 --> 00:28:58,520

we can't get we made stuff said

393

00:29:03,370 --> 00:29:01,370

second try to help me sell Ojai today

394

00:29:06,070 --> 00:29:03,380

getting back in chan suspension pelvic

395

00:29:09,520 --> 00:29:06,080

room is K has a Mardi Gras banner up

396

00:29:11,350 --> 00:29:09,530

there is yet the moon pies which were

397

00:29:15,130 --> 00:29:11,360

that the best food to having spacious

398

00:29:16,570 --> 00:29:15,140

all right sweetie noguchi son I'm scheme

399

00:29:18,460 --> 00:29:16,580

in the mower epic for this tonight here

400

00:29:31,170 --> 00:29:18,470

three key with his Japanese ski team

401

00:29:35,140 --> 00:29:31,180

skis on nice job sweetie to the farm

402

00:29:48,320 --> 00:29:35,150

slalom and downhill on the same one but

403

00:30:04,560 --> 00:29:59,250

speed 100 miles per hour away all right

404

00:30:07,470 --> 00:30:04,570

good job all right all right then hey

405

00:30:15,160 --> 00:30:07,480

demonstrating your shooting at triple

406

00:30:15,170 --> 00:30:23,600

okay ready sting

407

00:30:37,610 --> 00:30:35,510

oh very good very nice very nice round

408

00:30:42,020 --> 00:30:37,620

the world can we love that for angular

409

00:30:48,210 --> 00:30:42,030

momentum Russians good all right sweetie

410

00:30:48,220 --> 00:30:58,580

okay there you go

411

00:30:58,590 --> 00:31:14,239

r32

412

00:31:14,249 --> 00:31:21,789

hey stop man gimme yeah

413

00:31:33,840 --> 00:31:26,890

somewhere I'll be clear for diving nice

414

00:31:42,930 --> 00:31:35,490

your hands can take that moves in this

415

00:31:45,779 --> 00:31:42,940

rotation there you go that and here are

416

00:31:48,419 --> 00:31:45,789

is our crew getting ready for the state

417

00:31:49,830 --> 00:31:48,429

for tomorrow every day before spacewalk

418

00:31:51,779 --> 00:31:49,840

we have a briefing where they talk about

419

00:31:53,610 --> 00:31:51,789

how we're going to go out the door how

420

00:31:55,320 --> 00:31:53,620

they're going to conduct this space log