



1
00:00:07,590 --> 00:00:06,150
as we continue to take a look at this

2
00:00:09,669 --> 00:00:07,600
live view onboard the international

3
00:00:11,910 --> 00:00:09,679
space station as we mentioned you can

4
00:00:13,110 --> 00:00:11,920
see the progress 35 vehicle there uh

5
00:00:14,230 --> 00:00:13,120
docked with the piers docking

6
00:00:16,550 --> 00:00:14,240
compartment

7
00:00:18,470 --> 00:00:16,560
poisk is down below ready to receive the

8
00:00:19,910 --> 00:00:18,480
soyuz tma16

9
00:00:27,670 --> 00:00:19,920
there at the top right portion of your

10
00:00:27,680 --> 00:00:32,150
the indication is off

11
00:00:35,270 --> 00:00:33,830
okay

12
00:00:42,069 --> 00:00:35,280
we are

13
00:00:47,430 --> 00:00:45,590

so is the indication of yes

14

00:00:50,470 --> 00:00:47,440

yes

15

00:00:54,630 --> 00:00:52,709

okay so when

16

00:00:56,630 --> 00:00:54,640

okay just report to us

17

00:00:59,750 --> 00:00:56,640

when you have

18

00:01:23,190 --> 00:00:59,760

the indication of and then you will set

19

00:01:27,670 --> 00:01:24,710

and physical separation confirmed

20

00:01:30,789 --> 00:01:27,680

between the russian soyuz tma-16

21

00:01:32,310 --> 00:01:30,799

at 403 a.m central time

22

00:01:37,270 --> 00:01:32,320

as the two spacecraft are just to the

23

00:01:44,230 --> 00:01:38,870

okay

24

00:01:47,350 --> 00:01:45,109

are you

25

00:02:06,389 --> 00:01:47,360

monitoring the frame

26

00:02:06,399 --> 00:02:20,150

activated

27

00:02:24,070 --> 00:02:22,710

yes i understand

28

00:02:29,990 --> 00:02:24,080

just

29

00:02:34,869 --> 00:02:32,550

expedition 22 crew members max sariv and

30

00:02:37,110 --> 00:02:34,879

jeff williams continuing to back away

31

00:02:40,229 --> 00:02:37,120

from the international space station and

32

00:02:41,990 --> 00:02:40,239

the soyuz tma-16 spacecraft that brought

33

00:02:43,509 --> 00:02:42,000

them up to the station back in october

34

00:02:45,509 --> 00:02:43,519

of 2009

35

00:02:48,710 --> 00:02:45,519

that will also serve as their ride home

36

00:02:55,750 --> 00:02:50,550

as their time aboard the station comes

37

00:02:55,760 --> 00:02:58,470

translation

38

00:02:58,480 --> 00:03:17,190

handle is on okay it's on

39

00:03:17,200 --> 00:03:20,949

the soyuz around

40

00:03:26,550 --> 00:03:22,229

we start

41

00:03:34,390 --> 00:03:30,309

okay we're monitoring the picture

42

00:03:34,400 --> 00:03:44,830

oh yes vips is started already

43

00:04:19,830 --> 00:03:48,710

activation for program 3

44

00:04:19,840 --> 00:04:40,710

the range is about 20 meters round

45

00:04:59,990 --> 00:04:52,710

uh

46

00:05:04,390 --> 00:05:02,150

expedition 22 flight engineer and soyuz

47

00:05:05,590 --> 00:05:04,400

commander max survive continuing to

48

00:05:08,790 --> 00:05:05,600

rotate the

49

00:05:10,629 --> 00:05:08,800

russian soyuz tma16 around

50

00:05:12,950 --> 00:05:10,639

he is sitting in the center seat of the

51
00:05:14,790 --> 00:05:12,960
soyuz spacecraft jeff williams the

52
00:05:16,550 --> 00:05:14,800
expedition 22 commander and the flight

53
00:05:18,150 --> 00:05:16,560
engineer onboard the soyuz is sitting to

54
00:05:21,430 --> 00:05:18,160
his left

55
00:05:23,029 --> 00:05:21,440
the range is approximately 30 meters

56
00:05:24,629 --> 00:05:23,039
based on the visual asset the crew is

57
00:05:26,870 --> 00:05:24,639
reporting they're about 30 meters away

58
00:05:28,950 --> 00:05:26,880
from the station

59
00:05:31,830 --> 00:05:28,960
you can

60
00:05:37,670 --> 00:05:31,840
play a little bit with the lighting to

61
00:05:37,680 --> 00:05:46,629
yes i understand

62
00:05:49,990 --> 00:05:48,629
do whatever it is more convenient for

63
00:05:51,110 --> 00:05:50,000

you

64

00:05:54,469 --> 00:05:51,120

okay

65

00:05:59,270 --> 00:05:54,479

let me finish the roll maneuver first

66

00:06:04,070 --> 00:06:02,150

maneuver is complete

67

00:06:08,629 --> 00:06:04,080

we are

68

00:06:11,670 --> 00:06:08,639

approximately 30 meters on the os car

69

00:06:15,189 --> 00:06:11,680

so we can initiate the

70

00:06:15,199 --> 00:06:19,270

okay maximum

71

00:06:23,029 --> 00:06:21,270

the team here in houston as well as the

72

00:06:24,550 --> 00:06:23,039

russian flight control team is reporting

73

00:06:25,749 --> 00:06:24,560

that the roll maneuver is complete by

74

00:06:28,309 --> 00:06:25,759

sarayev

75

00:06:29,670 --> 00:06:28,319

the next step is to swing the soyuz up

76

00:06:31,830 --> 00:06:29,680

90 degrees

77

00:06:40,710 --> 00:06:31,840

to line it up with the poisk module and

78

00:06:46,150 --> 00:06:42,469

and there you see a very dramatic view

79

00:06:52,150 --> 00:06:46,160

of the soyuz tma-16 as they pass

80

00:06:56,790 --> 00:06:53,029

um

81

00:06:59,350 --> 00:06:56,800

is it a better quality of picture

82

00:07:01,830 --> 00:06:59,360

i have the lighting

83

00:07:18,790 --> 00:07:01,840

on the top and now it's not much better

84

00:07:24,629 --> 00:07:22,550

i do have any issues or comments on that

85

00:07:35,430 --> 00:07:24,639

no comments

86

00:07:39,830 --> 00:07:38,390

i believe that you didn't complete the

87

00:07:42,309 --> 00:07:39,840

role

88

00:07:48,790 --> 00:07:42,319

can you please add a little bit

89

00:07:52,390 --> 00:07:51,350

i am straight

90

00:08:11,029 --> 00:07:52,400

okay

91

00:08:26,309 --> 00:08:13,270

yes you have a girl

92

00:08:29,670 --> 00:08:28,309

now beginning to fly around of the

93

00:08:31,270 --> 00:08:29,680

russian segment of the international

94

00:08:37,589 --> 00:08:31,280

space station you can see the soyuz

95

00:08:41,509 --> 00:08:39,750

typically whenever soyuz or progress is

96

00:08:43,350 --> 00:08:41,519

approaching the international space

97

00:08:46,550 --> 00:08:43,360

station it is on

98

00:08:48,150 --> 00:08:46,560

an automatic pilot program called cures

99

00:08:50,389 --> 00:08:48,160

this is where the international space

100

00:08:51,829 --> 00:08:50,399

station and the spacecraft itself send

101
00:08:55,110 --> 00:08:51,839
radio signals back and forth toward a

102
00:08:58,949 --> 00:08:56,949
the crew can take over manual control at

103
00:09:00,310 --> 00:08:58,959
any point in time but the rendezvous and

104
00:09:01,590 --> 00:09:00,320
dockings are typically handled

105
00:09:03,269 --> 00:09:01,600
automatically

106
00:09:04,949 --> 00:09:03,279
that is different from today sarayev is

107
00:09:07,269 --> 00:09:04,959
actually at the controls himself so he

108
00:09:09,030 --> 00:09:07,279
is flying the soyuz around

109
00:09:10,070 --> 00:09:09,040
the back end of the international space

110
00:09:12,389 --> 00:09:10,080
station

111
00:09:15,670 --> 00:09:12,399
he will soon set up and line up for his

112
00:09:17,670 --> 00:09:15,680
final approach with poisk

113
00:10:15,190 --> 00:09:17,680

this is a view from on board the soyuz

114

00:10:19,590 --> 00:10:17,750

this fly around maneuver by sarayev and

115

00:10:21,269 --> 00:10:19,600

williams should take about four or five

116

00:10:23,190 --> 00:10:21,279

minutes

117

00:10:25,910 --> 00:10:23,200

the soyuz and the international space

118

00:10:28,550 --> 00:10:25,920

station at an altitude of 214 miles just

119

00:10:30,550 --> 00:10:28,560

about to cross the north eastern coast

120

00:10:32,470 --> 00:10:30,560

of africa and head out over the

121

00:10:46,389 --> 00:10:32,480

mediterranean and then up toward the

122

00:11:53,670 --> 00:10:51,350

about 45 degrees from the docking

123

00:11:57,670 --> 00:11:55,750

the mediterranean continues to pass more

124

00:12:00,870 --> 00:11:57,680

than 200 miles above the russian soyuz

125

00:12:06,550 --> 00:12:00,880

tma-16 as max sariev and jeff williams

126
00:12:10,870 --> 00:12:08,629
they're passing just to the southeast of

127
00:12:13,030 --> 00:12:10,880
greece at this point in time

128
00:12:16,069 --> 00:12:13,040
in just a few minutes sarayev will line

129
00:12:17,829 --> 00:12:16,079
up this soyuz

130
00:12:19,750 --> 00:12:17,839
for its final approach with the poisk

131
00:12:22,629 --> 00:12:19,760
module

132
00:12:25,430 --> 00:12:22,639
poisson will be the soyuz's home

133
00:12:29,110 --> 00:12:27,350
and williams are due to undock and come

134
00:12:43,590 --> 00:12:29,120
home that undocking due to take place on

135
00:13:09,910 --> 00:12:45,430
do we have the

136
00:13:13,750 --> 00:13:11,750
you're getting a very good view of the

137
00:13:15,350 --> 00:13:13,760
soyuz vehicle now and it's three main

138
00:13:16,550 --> 00:13:15,360

components you see the white part down

139

00:13:18,310 --> 00:13:16,560

at the bottom that is the main

140

00:13:20,069 --> 00:13:18,320

propulsion module

141

00:13:22,069 --> 00:13:20,079

at the very top is the orbital module

142

00:13:23,269 --> 00:13:22,079

that is what gives the crew a little bit

143

00:13:25,430 --> 00:13:23,279

of extra

144

00:13:27,030 --> 00:13:25,440

living uh and working space on the two

145

00:13:28,550 --> 00:13:27,040

days it takes them to get to the

146

00:13:30,629 --> 00:13:28,560

international space station in between

147

00:13:32,310 --> 00:13:30,639

their launch and docking

148

00:13:33,509 --> 00:13:32,320

the middle part that looks like a diving

149

00:13:34,470 --> 00:13:33,519

belt that is actually what they come

150

00:13:36,710 --> 00:13:34,480

home in

151
00:13:38,949 --> 00:13:36,720
us once this spacecraft undocks coming

152
00:13:41,350 --> 00:13:38,959
up in march that bottom section and the

153
00:13:43,910 --> 00:13:41,360
top section will actually separate

154
00:13:45,430 --> 00:13:43,920
that filming and williamson will finish

155
00:14:07,430 --> 00:13:45,440
their journey

156
00:14:07,440 --> 00:14:27,750
foreign

157
00:14:27,760 --> 00:14:41,670
okay

158
00:14:41,680 --> 00:14:55,189
then i will

159
00:14:59,030 --> 00:14:56,949
you can see the zvezda service module

160
00:15:00,470 --> 00:14:59,040
which is the aftmost portion

161
00:15:02,310 --> 00:15:00,480
of the russian segment of the station

162
00:15:08,470 --> 00:15:02,320
there that has been the home of this

163
00:15:13,110 --> 00:15:10,389

poisk is there in the middle just

164

00:15:15,350 --> 00:15:13,120

beginning to come into view

165

00:15:18,069 --> 00:15:15,360

you can also see the zarya module there

166

00:15:19,189 --> 00:15:18,079

just uh below the crosshairs

167

00:15:20,710 --> 00:15:19,199

that was the first piece of the

168

00:15:23,990 --> 00:15:20,720

international space station launched

169

00:15:26,310 --> 00:15:24,000

back in november of 1998.

170

00:15:31,670 --> 00:15:26,320

and what is the range by your

171

00:15:35,110 --> 00:15:33,829

and you can see

172

00:16:20,550 --> 00:15:35,120

the target

173

00:16:24,710 --> 00:16:22,150

vesca

174

00:16:32,629 --> 00:16:24,720

my role is perfect

175

00:16:45,030 --> 00:16:34,389

nomination yes

176

00:16:50,790 --> 00:16:48,829

and the target the row is good

177

00:16:53,030 --> 00:16:50,800

copy

178

00:16:54,389 --> 00:16:53,040

sarai of reporting that he has the soyuz

179

00:16:56,150 --> 00:16:54,399

in the proper position he's taking a

180

00:16:56,949 --> 00:16:56,160

look at all the data that he has on

181

00:16:59,110 --> 00:16:56,959

board

182

00:17:00,629 --> 00:16:59,120

as well as the lineup of the solar

183

00:17:02,550 --> 00:17:00,639

arrays on the russian segment reporting

184

00:17:04,230 --> 00:17:02,560

that everything looks good

185

00:17:06,470 --> 00:17:04,240

he is continuing to close in on the

186

00:17:14,949 --> 00:17:06,480

poisk module very slowly it's 0.12

187

00:17:18,630 --> 00:17:17,029

that is zvezda at the top the zarya

188

00:17:19,669 --> 00:17:18,640

module at the bottom the two main

189

00:17:21,510 --> 00:17:19,679

components

190

00:17:23,669 --> 00:17:21,520

of the russian segment of the station

191

00:17:30,310 --> 00:17:23,679

this poisk module there in the middle it

192

00:17:34,710 --> 00:17:31,990

this area of the station almost serves

193

00:17:36,870 --> 00:17:34,720

as the uh four corners area of the

194

00:17:39,029 --> 00:17:36,880

russian segment of the international

195

00:17:44,310 --> 00:17:39,039

space station

196

00:17:44,320 --> 00:18:00,070

uh-huh

197

00:18:07,190 --> 00:18:02,070

yes we

198

00:18:07,200 --> 00:18:20,070

copy that tag

199

00:18:23,909 --> 00:18:22,710

we initiated one more time uh that

200

00:18:39,909 --> 00:18:23,919

command

201
00:18:44,710 --> 00:18:42,390
max arrive and jeff williams inside the

202
00:18:46,789 --> 00:18:44,720
russian soyuz tma-16

203
00:18:48,789 --> 00:18:46,799
now on the final approach to the poisk

204
00:19:00,549 --> 00:18:48,799
module as you can see it getting ever so

205
00:19:00,559 --> 00:19:16,789
hello

206
00:19:16,799 --> 00:19:29,590
sir

207
00:19:29,600 --> 00:19:43,909
and

208
00:19:43,919 --> 00:20:05,350
foreign

209
00:20:31,990 --> 00:20:07,909
does it fly like the simulator or better

210
00:20:32,000 --> 00:21:00,390
maxim please activate the number eight

211
00:21:03,750 --> 00:21:02,470
maxim to off

212
00:21:07,029 --> 00:21:03,760
or

213
00:21:12,149 --> 00:21:09,110

okay

214

00:21:15,430 --> 00:21:12,159

and if the picture quality is not good

215

00:21:21,830 --> 00:21:17,590

there's some lighting because we are not

216

00:21:21,840 --> 00:21:24,710

very normal

217

00:21:24,720 --> 00:21:38,470

roast is good

218

00:21:38,480 --> 00:22:06,630

the rate is good

219

00:22:13,110 --> 00:22:08,870

we have a contact

220

00:22:16,470 --> 00:22:14,549

this is mission control houston and with

221

00:22:19,510 --> 00:22:16,480

that docking is confirmed of the russian

222

00:22:21,830 --> 00:22:19,520

soyuz tma 16

223

00:22:23,830 --> 00:22:21,840

at 4 24 am central time that soyuz

224

00:22:26,149 --> 00:22:23,840

docked with the poisk module the first

225

00:22:29,270 --> 00:22:26,159

time a vehicle has docked with that part

226
00:22:32,710 --> 00:22:31,029
the two vehicles the international space

227
00:22:35,029 --> 00:22:32,720
station and the soyuz were passing

228
00:22:42,950 --> 00:22:35,039
directly above kazakhstan

229
00:22:46,950 --> 00:22:44,470
you have to

230
00:23:05,510 --> 00:22:46,960
go to page 72

231
00:23:08,789 --> 00:23:06,710
actually

232
00:23:16,149 --> 00:23:08,799
you have to go to page

233
00:23:16,159 --> 00:23:30,630
okay copy page 85

234
00:23:30,640 --> 00:23:40,310
foreign

235
00:23:45,510 --> 00:23:42,230
survive and williams continuing to work

236
00:23:47,190 --> 00:23:45,520
through their final checklist procedures

237
00:23:50,390 --> 00:23:47,200
once again the docking took place at 4

238
00:23:52,630 --> 00:23:50,400

24 a.m central time

239

00:23:56,310 --> 00:23:52,640

measurement of the pressure and the leak

240

00:24:01,909 --> 00:23:57,430

yes

241

00:24:16,190 --> 00:24:01,919

okay the timer is set at 13 25

242

00:24:16,200 --> 00:24:23,990

745 45.

243

00:24:24,000 --> 00:24:39,350

inaudible

244

00:24:39,360 --> 00:25:10,390

yes go ahead

245

00:25:13,269 --> 00:25:11,590

the team there in the russian flight

246

00:25:15,190 --> 00:25:13,279

control center continues to talk with

247

00:25:17,830 --> 00:25:15,200

sarayev and williams

248

00:25:20,070 --> 00:25:17,840

inside the soyuz tma-16 it has now

249

00:25:22,070 --> 00:25:20,080

pulled into its brand new port the poisk

250

00:25:23,430 --> 00:25:22,080

module this is the first time

251

00:25:28,710 --> 00:25:23,440

that that part of the station has

252

00:25:31,750 --> 00:25:30,230

you can see the new layout of all the

253

00:25:33,029 --> 00:25:31,760

different ports in the russian segment

254

00:25:36,470 --> 00:25:33,039

you can see the

255

00:25:38,070 --> 00:25:36,480

uh tme 16 now attached to its home uh

256

00:25:39,510 --> 00:25:38,080

for the next couple of months

257

00:25:41,350 --> 00:25:39,520

until the undocking of sariv and

258

00:25:43,350 --> 00:25:41,360

williams that will bring them home

259

00:25:45,909 --> 00:25:43,360

coming up on march 18th you also see the

260

00:25:47,350 --> 00:25:45,919

progress 35 there attached to the pierce

261

00:25:49,430 --> 00:25:47,360

docking compartment

262

00:25:52,149 --> 00:25:49,440

and the tma-17 that brought up oleg

263

00:25:56,950 --> 00:25:54,390

and tj creamer that is currently docked

264

00:25:59,909 --> 00:25:56,960

with the zarya module

265

00:26:01,430 --> 00:25:59,919

coming up in february all four of these

266

00:26:03,029 --> 00:26:01,440

uh

267

00:26:05,669 --> 00:26:03,039

docking ports in the russian segment

268

00:26:07,430 --> 00:26:05,679

will be full the progress 36 will arrive

269

00:26:09,510 --> 00:26:07,440

and dock with the zvezda service module

270

00:26:12,070 --> 00:26:09,520

which is the port that williams and

271

00:26:13,430 --> 00:26:12,080

sarai have just vacated so a very busy

272

00:26:15,830 --> 00:26:13,440

traffic pattern there on the russian

273

00:26:18,470 --> 00:26:15,840

segment

274

00:26:21,909 --> 00:26:18,480

as max sariev and jeff williams steer

275

00:26:24,230 --> 00:26:21,919

their soyuz tma-16 from zvezda over to

276
00:26:25,750 --> 00:26:24,240
piers now even though this flight took

277
00:26:27,350 --> 00:26:25,760
about 21 minutes it'll still take

278
00:26:29,350 --> 00:26:27,360
another couple of hours before the two

279
00:26:31,430 --> 00:26:29,360
can perform the leak checks get the

280
00:26:34,630 --> 00:26:31,440
soyuz powered down and open up the

281
00:26:38,470 --> 00:26:36,870
poisk or mrm2

282
00:27:02,630 --> 00:26:38,480
as it is also known

283
00:27:05,909 --> 00:27:04,390
so sariv and williams have several

284
00:27:08,630 --> 00:27:05,919
different tasks still left on their

285
00:27:10,630 --> 00:27:08,640
checklist to perform

286
00:27:13,430 --> 00:27:10,640
after the successful relocation of the

287
00:27:17,029 --> 00:27:15,510
just a few short minutes ago the team

288
00:27:20,070 --> 00:27:17,039

here in houston confirmed that the probe

289

00:27:21,269 --> 00:27:20,080

was retracting on the soyuz

290

00:27:23,909 --> 00:27:21,279

the next major step will be the

291

00:27:26,710 --> 00:27:23,919

confirmation that the hooks have closed

292

00:27:28,149 --> 00:27:26,720

which will form the permanent hard mate

293

00:27:30,149 --> 00:27:28,159

in between the international space

294

00:27:31,350 --> 00:27:30,159

station and its vehicle

295

00:27:33,830 --> 00:27:31,360

and then the hatches are due to be

296

00:27:36,950 --> 00:27:33,840

opened around 7 30 a.m central time that

297

00:27:38,950 --> 00:27:36,960

could happen a little bit earlier

298

00:27:40,710 --> 00:27:38,960

but we'll have all the updates on that

299

00:27:46,549 --> 00:27:40,720

coming up at 10 a.m central time during

300

00:27:51,510 --> 00:27:48,070

while all of this activity was going on

301
00:27:54,630 --> 00:27:51,520
the remainder of the expedition 22 crew

302
00:27:55,590 --> 00:27:54,640
including kotov noguchi and creamer

303
00:27:59,510 --> 00:27:55,600
we're working throughout the

304
00:28:03,750 --> 00:27:59,520
international space station complex g2

305
00:28:04,549 --> 00:28:03,760
uh you can close the kerpika

306
00:28:55,830 --> 00:28:04,559
ok

307
00:29:00,630 --> 00:28:58,389
did you push push to talk about yes i

308
00:29:24,470 --> 00:29:08,470
it

309
00:29:29,510 --> 00:29:25,909
a team here in houston confirming that

310
00:29:31,590 --> 00:29:29,520
the hooks between the soyuz tma-16

311
00:29:32,870 --> 00:29:31,600
and poisk are beginning to drive as we

312
00:29:35,430 --> 00:29:32,880
mentioned this will form the hard meet

313
00:29:37,750 --> 00:29:35,440

between the two vehicles

314

00:29:39,909 --> 00:29:37,760

this is also the last major step

315

00:29:41,750 --> 00:29:39,919

in today's undocking and fly around and

316

00:29:47,190 --> 00:29:41,760

re-docking with poisk

317

00:29:47,200 --> 00:29:51,110

revolution

318

00:29:58,230 --> 00:29:53,029

mode

319

00:30:02,630 --> 00:29:59,590

okay

320

00:30:06,710 --> 00:30:02,640

could you please uh

321

00:30:06,720 --> 00:30:11,830

okay

322

00:30:16,230 --> 00:30:14,389

uh you want me to issue the command

323

00:30:20,789 --> 00:30:16,240

b4

324

00:30:20,799 --> 00:30:27,990

buddy

325

00:30:33,830 --> 00:30:30,470

now buffer battery

326

00:30:35,190 --> 00:30:33,840

uh also turn it off

327

00:30:39,269 --> 00:30:35,200

after

328

00:30:39,279 --> 00:30:49,350

okay well

329

00:30:49,360 --> 00:30:53,750

okay what stage are you in all right

330

00:30:59,350 --> 00:30:56,710

page 85.

331

00:31:02,830 --> 00:30:59,360

six minutes have passed

332

00:31:09,110 --> 00:31:05,430

measurement we'll do that

333

00:31:13,190 --> 00:31:09,120

okay let's do the uh check the hard mate

334

00:31:20,230 --> 00:31:14,950

there 15

335

00:31:21,029 --> 00:31:20,240

is is not lit yet we're waiting

336

00:31:40,149 --> 00:31:21,039

uh

337

00:31:40,159 --> 00:31:45,509

and the video files are in the oca

338

00:31:45,519 --> 00:32:22,870

okay copy

339

00:32:25,830 --> 00:32:24,389

this is mission control houston the

340

00:32:28,789 --> 00:32:25,840

international space station currently

341

00:32:31,029 --> 00:32:28,799

passing 211 miles over south korea

342

00:32:33,669 --> 00:32:31,039

about to cross out over japan then out

343

00:32:36,230 --> 00:32:33,679

over the pacific ocean we are continuing

344

00:32:38,630 --> 00:32:36,240

to stand by

345

00:32:40,830 --> 00:32:38,640

for a confirmation that the hooks

346

00:32:43,430 --> 00:32:40,840

have been completely

347

00:32:45,269 --> 00:32:43,440

driven the

348

00:32:47,190 --> 00:32:45,279

indicator is lit

349

00:32:48,710 --> 00:32:47,200

copy

350

00:32:50,950 --> 00:32:48,720

these hooks will form the hard mate

351

00:32:54,870 --> 00:32:50,960

between the soyuz tma-16

352

00:32:58,710 --> 00:32:57,269

the 13 is

353

00:33:00,549 --> 00:32:58,720

and the team here in houston confirming

354

00:33:06,789 --> 00:33:00,559

at 4 34 a.m central time that those

355

00:33:11,110 --> 00:33:08,630

so now there is a good secure connection

356

00:33:12,710 --> 00:33:11,120

between the soyuz tma-16

357

00:33:34,549 --> 00:33:12,720

and poisk

358

00:33:58,230 --> 00:33:37,350

did you turn off the vr yes i did okay

359

00:34:01,430 --> 00:33:59,750

now that the hooks have been closed and

360

00:34:03,029 --> 00:34:01,440

the team there in russia

361

00:34:05,750 --> 00:34:03,039

as well as the teams here in houston are

362

00:34:08,869 --> 00:34:05,760

confirming that there's a good solid

363

00:34:11,829 --> 00:34:08,879

mate between the soyuz tma-16

364

00:34:13,990 --> 00:34:11,839

and the russian poisk segment

365

00:34:17,270 --> 00:34:14,000

okay just to recap today's activities at

366

00:34:18,950 --> 00:34:17,280

403 am central time

367

00:34:21,510 --> 00:34:18,960

the undocking was confirmed between that

368

00:34:22,629 --> 00:34:21,520

soyuz and the zvezda service module max

369

00:34:25,430 --> 00:34:22,639

sarajev

370

00:34:26,310 --> 00:34:25,440

and jeff williams began a uh 21-minute

371

00:34:27,669 --> 00:34:26,320

flight

372

00:34:28,790 --> 00:34:27,679

around the russian segment of the

373

00:34:30,790 --> 00:34:28,800

station

374

00:34:32,069 --> 00:34:30,800

sarai was at the controls he rolled the

375

00:34:34,310 --> 00:34:32,079

soyuz around

376
00:34:36,470 --> 00:34:34,320
began a 90-degree translation maneuver

377
00:34:38,230 --> 00:34:36,480
to bring the soyuz back up

378
00:34:41,109 --> 00:34:38,240
toward poise to line it up with their

379
00:34:42,869 --> 00:34:41,119
brand new docking target

380
00:34:43,990 --> 00:34:42,879
and then the docking was confirmed at 4

381
00:34:46,069 --> 00:34:44,000
24

382
00:34:48,470 --> 00:34:46,079
am central time

383
00:34:49,909 --> 00:34:48,480
as the soyuz and the international space

384
00:34:51,270 --> 00:34:49,919
station were passing directly above

385
00:34:53,190 --> 00:34:51,280
kazakhstan

386
00:34:55,909 --> 00:34:53,200
that is where williamson survived will

387
00:34:58,630 --> 00:34:55,919
land coming up in march

388
00:35:01,109 --> 00:34:58,640

so the russian soyuz tma-16 now has a

389

00:35:03,510 --> 00:35:01,119

new home the poisk module has welcomed

390

00:35:05,670 --> 00:35:03,520

its first russian spacecraft the next

391

00:35:07,270 --> 00:35:05,680

several steps for williamson survive

392

00:35:08,230 --> 00:35:07,280

will be to perform a series of leak

393

00:35:10,390 --> 00:35:08,240

checks

394

00:35:12,550 --> 00:35:10,400

and to get out of their launch and entry

395

00:35:15,430 --> 00:35:12,560

suits and they will open up the hatches

396

00:35:17,750 --> 00:35:15,440

coming up around 7 30 a.m central time

397

00:35:19,270 --> 00:35:17,760

we will have the latest information on

398

00:35:23,750 --> 00:35:19,280

the rest of the morning's activities on

399

00:35:25,349 --> 00:35:23,760

the nasa website at www.nasa.gov

400

00:35:27,270 --> 00:35:25,359

we will also have a recap of today's

401

00:35:29,510 --> 00:35:27,280

activities as well as an update on the

402

00:35:32,310 --> 00:35:29,520

actual hatch opening time coming up

403

00:35:33,750 --> 00:35:32,320

during the iss update hour here on nasa

404

00:35:37,190 --> 00:35:33,760

television we will bring that to you

405

00:35:39,109 --> 00:35:37,200

live at 10 a.m central time

406

00:35:40,390 --> 00:35:39,119

until next time this is mission control