



1  
00:00:01,540 --> 00:00:07,490  
[Music]

2  
00:00:28,640 --> 00:00:10,310  
foreign

3  
00:01:04,789 --> 00:00:35,140  
[Music]

4  
00:01:08,330 --> 00:01:06,770  
good day for Mission Control in Houston

5  
00:01:10,730 --> 00:01:08,340  
and the International Space Station

6  
00:01:13,070 --> 00:01:10,740  
flight control room here at the Johnson

7  
00:01:15,250 --> 00:01:13,080  
Space Center where the orbit one team of

8  
00:01:18,230 --> 00:01:15,260  
flight controllers on duty at this hour

9  
00:01:20,270 --> 00:01:18,240  
working in tandem with their Russian

10  
00:01:22,810 --> 00:01:20,280  
counterparts half a world away at the

11  
00:01:26,510 --> 00:01:22,820  
Russian Mission Control Center

12  
00:01:29,450 --> 00:01:26,520  
outside of Moscow preparing for the

13  
00:01:32,450 --> 00:01:29,460

undocking and relocation of three of the

14

00:01:36,289 --> 00:01:32,460

crew members aboard the soyuz ms-23

15

00:01:37,270 --> 00:01:36,299

spacecraft everything is in order for

16

00:01:41,569 --> 00:01:37,280

them

17

00:01:45,649 --> 00:01:41,579

that is scheduled at 3 45 a.m Central

18

00:01:46,929 --> 00:01:45,659

Time 4 45 a.m eastern time here in

19

00:01:49,550 --> 00:01:46,939

Mission Control

20

00:01:51,710 --> 00:01:49,560

the orbit one team is led by flight

21

00:01:54,289 --> 00:01:51,720

director Allison Bollinger who's on

22

00:01:56,870 --> 00:01:54,299

Console at this hour to her right she is

23

00:01:59,510 --> 00:01:56,880

joined by two veteran astronauts Kayla

24

00:02:02,389 --> 00:01:59,520

Baron who flew a crew dragon to the

25

00:02:04,730 --> 00:02:02,399

International Space Station and Canadian

26  
00:02:07,690 --> 00:02:04,740  
space agency astronaut David St jock who

27  
00:02:12,070 --> 00:02:07,700  
launched and landed on a soyuz vehicle

28  
00:02:15,350 --> 00:02:12,080  
launching in 2018 Landing in 2019.

29  
00:02:17,390 --> 00:02:15,360  
today's activities to relocate the soyuz

30  
00:02:19,250 --> 00:02:17,400  
from the poisk module on the

31  
00:02:21,770 --> 00:02:19,260  
space-facing side of the Russian segment

32  
00:02:24,290 --> 00:02:21,780  
of the International Space Station to

33  
00:02:26,350 --> 00:02:24,300  
the prashal module on the earth facing

34  
00:02:29,210 --> 00:02:26,360  
side of the station that's the

35  
00:02:31,250 --> 00:02:29,220  
multi-hatched node module that is

36  
00:02:34,490 --> 00:02:31,260  
attached to the naoka multi-purpose

37  
00:02:38,630 --> 00:02:34,500  
laboratory module the reason for that

38  
00:02:41,809 --> 00:02:38,640

relocation today is twofold one to open

39

00:02:44,030 --> 00:02:41,819

up the poisk module and its airlock for

40

00:02:46,910 --> 00:02:44,040

a series of Russian spacewalks that are

41

00:02:50,570 --> 00:02:46,920

about to begin on April 18th April 25th

42

00:02:52,850 --> 00:02:50,580

and May 4th by Sergey prokopia the

43

00:02:55,850 --> 00:02:52,860

Expedition 69 commander and Dimitri

44

00:02:58,550 --> 00:02:55,860

patellen his Rose Cosmos Cosmonaut

45

00:03:01,009 --> 00:02:58,560

colleague those three spacewalks again

46

00:03:04,009 --> 00:03:01,019

coming up over a two-week period

47

00:03:06,290 --> 00:03:04,019

beginning in just a couple of weeks it

48

00:03:10,070 --> 00:03:06,300

also opens up the poisk module for the

49

00:03:12,649 --> 00:03:10,080

docking in May of the ISS progress 84

50

00:03:14,869 --> 00:03:12,659

cargo ship that will be launched from

51  
00:03:17,449 --> 00:03:14,879  
the baikonur cosmodrome and Kazakhstan

52  
00:03:19,790 --> 00:03:17,459  
on a tour but Rendezvous to reach the

53  
00:03:23,030 --> 00:03:19,800  
international Outpost

54  
00:03:26,330 --> 00:03:23,040  
11 34. a few hours ago the three crew

55  
00:03:28,250 --> 00:03:26,340  
members who will ride the soyuz ms-23 on

56  
00:03:31,369 --> 00:03:28,260  
this short trip around the block from

57  
00:03:33,770 --> 00:03:31,379  
one docking port to another uh prokopiev

58  
00:03:35,570 --> 00:03:33,780  
in the middle of your screen there he is

59  
00:03:38,030 --> 00:03:35,580  
the soyuz commander as well as the

60  
00:03:40,130 --> 00:03:38,040  
International Space Station Commander he

61  
00:03:42,289 --> 00:03:40,140  
is strapped Into The Descent module in

62  
00:03:44,330 --> 00:03:42,299  
the center seat of the center most

63  
00:03:47,449 --> 00:03:44,340

section of the three section soyuz

64

00:03:50,210 --> 00:03:47,459

vehicle to his left on the right of your

65

00:03:52,190 --> 00:03:50,220

screen is Rose Cosmos Cosmonaut Dimitri

66

00:03:55,550 --> 00:03:52,200

patellen serving as board engineer

67

00:03:57,649 --> 00:03:55,560

number one today and to procopias right

68

00:04:01,130 --> 00:03:57,659

on the left side of your screen NASA

69

00:04:02,930 --> 00:04:01,140

astronaut Frank Rubio the crew suited up

70

00:04:05,570 --> 00:04:02,940

in their so-called launch and entry

71

00:04:08,449 --> 00:04:05,580

suits a couple of hours ago conducted

72

00:04:10,729 --> 00:04:08,459

leak checks they are all set for the

73

00:04:13,250 --> 00:04:10,739

undocking that will begin with an

74

00:04:16,969 --> 00:04:13,260

undocking command that will be sent at 3

75

00:04:19,490 --> 00:04:16,979

43 in 30 seconds am central time it will

76

00:04:23,810 --> 00:04:19,500

take about 90 seconds for the hooks

77

00:04:25,810 --> 00:04:23,820

holding in the soyuz ms-23 to the poisk

78

00:04:28,790 --> 00:04:25,820

module to

79

00:04:30,469 --> 00:04:28,800

unhook basically open up and then

80

00:04:32,270 --> 00:04:30,479

Springs on both sides of the docking

81

00:04:34,730 --> 00:04:32,280

interface will push off against one

82

00:04:38,990 --> 00:04:34,740

another physical separation is expected

83

00:04:42,170 --> 00:04:39,000

at 3 45 a.m Central 4 45 a.m eastern

84

00:04:45,710 --> 00:04:42,180

time at that point procopia of flying

85

00:04:47,050 --> 00:04:45,720

the soyuz manually will back away from

86

00:04:49,610 --> 00:04:47,060

the vehicle

87

00:04:52,129 --> 00:04:49,620

basically above the International Space

88

00:04:54,830 --> 00:04:52,139

Station to a distance of about 40 to 60

89

00:04:58,490 --> 00:04:54,840

meters that will take about nine minutes

90

00:05:01,070 --> 00:04:58,500

to complete the soyuz will execute a 180

91

00:05:02,930 --> 00:05:01,080

degree rotation and then procopia will

92

00:05:04,850 --> 00:05:02,940

begin his fly around of the station

93

00:05:07,850 --> 00:05:04,860

moving in front of the international

94

00:05:10,909 --> 00:05:07,860

Outpost maintaining a distance all the

95

00:05:13,969 --> 00:05:10,919

time of between 40 and 60 meters then

96

00:05:16,249 --> 00:05:13,979

directly below the station for a short

97

00:05:19,070 --> 00:05:16,259

period of station keeping so that the

98

00:05:21,530 --> 00:05:19,080

soyuz can align itself properly with the

99

00:05:24,230 --> 00:05:21,540

prashal module tool before approval is

100

00:05:27,770 --> 00:05:24,240

given for Final Approach and docking

101  
00:05:31,430 --> 00:05:27,780  
that is scheduled to per shawl at 4 23

102  
00:05:33,890 --> 00:05:31,440  
a.m Central Time 5 23 a.m eastern time

103  
00:05:36,650 --> 00:05:33,900  
the hooks between the soyuz and the

104  
00:05:38,749 --> 00:05:36,660  
Purcell module will then close to form a

105  
00:05:40,909 --> 00:05:38,759  
hard mate there will be leak checks over

106  
00:05:43,370 --> 00:05:40,919  
the course of the next orbit before the

107  
00:05:46,370 --> 00:05:43,380  
crew will open up the hatches between

108  
00:05:48,409 --> 00:05:46,380  
the station and the soyuz vehicle and

109  
00:05:52,310 --> 00:05:48,419  
make their way inside the International

110  
00:05:56,749 --> 00:05:55,249  
this soyuz vehicle that the three crew

111  
00:05:59,390 --> 00:05:56,759  
members will ride on their short

112  
00:06:02,390 --> 00:05:59,400  
38-minute Transit from one docking port

113  
00:06:05,510 --> 00:06:02,400

to another today was launched back in

114

00:06:07,730 --> 00:06:05,520

February on a two-day Rendezvous to

115

00:06:10,730 --> 00:06:07,740

reach the International Space Station it

116

00:06:14,870 --> 00:06:10,740

is the vehicle replacing the damaged

117

00:06:17,590 --> 00:06:14,880

soyuz ms-22 spacecraft which was

118

00:06:21,170 --> 00:06:17,600

affected by a loss of its cooling

119

00:06:23,150 --> 00:06:21,180

capability through what Rose Cosmos has

120

00:06:26,210 --> 00:06:23,160

said the most probable cause of which

121

00:06:30,110 --> 00:06:26,220

was a micro meteorite strike back on

122

00:06:33,550 --> 00:06:30,120

December 14th that damaged soyuz ms-22

123

00:06:35,270 --> 00:06:33,560

vehicle without a crew on board undocked

124

00:06:38,090 --> 00:06:35,280

automatically from the International

125

00:06:41,450 --> 00:06:38,100

Space Station just eight days ago on

126  
00:06:45,170 --> 00:06:41,460  
March 28th actually almost nine days ago

127  
00:06:47,629 --> 00:06:45,180  
now and uh executed a an automated

128  
00:06:49,969 --> 00:06:47,639  
deorbit and a parachute assisted landing

129  
00:06:52,249 --> 00:06:49,979  
on the step of Kazakhstan where it is

130  
00:06:55,430 --> 00:06:52,259  
undergoing analysis by a Russian

131  
00:06:58,370 --> 00:06:55,440  
Specialists to determine how it fared

132  
00:07:09,790 --> 00:06:58,380  
during its re-entry back into the

133  
00:07:15,830 --> 00:07:12,290  
the flight control team here in Houston

134  
00:07:18,710 --> 00:07:15,840  
took a poll of its uh flight controllers

135  
00:07:21,710 --> 00:07:18,720  
a short time ago all uh the positions

136  
00:07:23,629 --> 00:07:21,720  
pulled go for undocking the Russian

137  
00:07:26,089 --> 00:07:23,639  
flight control team and Carl youth

138  
00:07:27,830 --> 00:07:26,099

outside of Moscow in charge of this

139

00:07:30,230 --> 00:07:27,840

operation that you see in this View From

140

00:07:33,230 --> 00:07:30,240

A Balcony camera on the right side of

141

00:07:36,290 --> 00:07:33,240

your screen they have been conversing

142

00:07:39,409 --> 00:07:36,300

with the cosmonauts and Frank Rubio on

143

00:07:41,450 --> 00:07:39,419

board the soyuz vehicle since they

144

00:07:44,270 --> 00:07:41,460

climbed on board and activated the soyuz

145

00:07:47,270 --> 00:07:44,280

systems a couple of hours ago

146

00:07:48,770 --> 00:07:47,280

this kicks off an extremely busy period

147

00:07:52,070 --> 00:07:48,780

of activity on board the International

148

00:07:53,930 --> 00:07:52,080

Space Station as mentioned uh there are

149

00:07:58,730 --> 00:07:53,940

three Russian spacewalks that are coming

150

00:08:01,490 --> 00:07:58,740

up April 18th 25th and May 4th those

151  
00:08:04,790 --> 00:08:01,500  
will be sandwiched around a U.S

152  
00:08:06,550 --> 00:08:04,800  
spacewalk out of the quest airlock to

153  
00:08:09,589 --> 00:08:06,560  
retrieve radio

154  
00:08:14,029 --> 00:08:09,599  
antenna equipment that was replaced

155  
00:08:17,390 --> 00:08:14,039  
during a December 2021 spacewalk that

156  
00:08:20,990 --> 00:08:17,400  
U.S spacewalk is scheduled on April 28th

157  
00:08:24,650 --> 00:08:21,000  
in the meantime the SpaceX 27 cargo

158  
00:08:25,969 --> 00:08:24,660  
dragon is scheduled to undock from the

159  
00:08:29,450 --> 00:08:25,979  
harmony module of the International

160  
00:08:32,329 --> 00:08:29,460  
Space Station on April 15th just six

161  
00:08:35,389 --> 00:08:32,339  
days later the Northrop grumman's cygnus

162  
00:08:38,389 --> 00:08:35,399  
cargo ship is scheduled to un to be

163  
00:08:40,850 --> 00:08:38,399

unbirthed and released robotically from

164

00:08:42,949 --> 00:08:40,860

the International Space Station so all

165

00:08:45,410 --> 00:08:42,959

of this activity laid out over the next

166

00:08:47,449 --> 00:08:45,420

several weeks so we'll keep the

167

00:08:50,389 --> 00:08:47,459

Expedition 69 crew on board the

168

00:08:53,990 --> 00:08:50,399

International Space Station quite busy

169

00:08:56,090 --> 00:08:54,000

Expedition 69 again under the command of

170

00:08:58,910 --> 00:08:56,100

uh Rose Cosmos Cosmonaut Sergey

171

00:09:02,030 --> 00:08:58,920

prokopiev joined on board the soyuz

172

00:09:05,769 --> 00:09:02,040

today by Dimitri patelan of Rose Cosmos

173

00:09:09,290 --> 00:09:05,779

and Frank Rubio of NASA who rode the

174

00:09:12,009 --> 00:09:09,300

ms-22 soyuz to the International Space

175

00:09:16,610 --> 00:09:12,019

Station back in September this is their

176

00:09:19,070 --> 00:09:16,620

197th day in space they will return to

177

00:09:21,889 --> 00:09:19,080

Earth in late September on board the

178

00:09:24,470 --> 00:09:21,899

same soyuz that they're taking today for

179

00:09:33,350 --> 00:09:24,480

their relocation from the poisk module

180

00:09:38,930 --> 00:09:35,750

the International Space Station is

181

00:09:41,690 --> 00:09:38,940

currently flying about 260 statute miles

182

00:09:44,690 --> 00:09:41,700

over the Southeastern Pacific Ocean

183

00:09:46,610 --> 00:09:44,700

about to cross the coast of Chile

184

00:09:49,490 --> 00:09:46,620

and then begin a Southwest to

185

00:09:51,410 --> 00:09:49,500

northeasterly track that will carry it

186

00:09:54,590 --> 00:09:51,420

across the Atlantic Ocean and the west

187

00:09:56,570 --> 00:09:54,600

coast of Africa a short time from now

188

00:09:59,389 --> 00:09:56,580

aboard the International Space Station

189

00:10:02,030 --> 00:09:59,399

other activities are ongoing

190

00:10:04,070 --> 00:10:02,040

gross Cosmos Cosmonaut Andrei fadallas

191

00:10:07,430 --> 00:10:04,080

is in the Russian segment of the station

192

00:10:10,009 --> 00:10:07,440

monitoring the activities involved with

193

00:10:12,350 --> 00:10:10,019

the soyuz spacecraft's relocation this

194

00:10:13,610 --> 00:10:12,360

morning while in the Russians while in

195

00:10:16,850 --> 00:10:13,620

the U.S segment of the International

196

00:10:21,350 --> 00:10:16,860

Space Station NASA astronauts Steve

197

00:10:26,710 --> 00:10:21,360

Bowen and Woody hoberg along with

198

00:10:34,910 --> 00:10:30,710

are busy working on stowage activities

199

00:10:37,430 --> 00:10:34,920

for both the SpaceX 27 cargo vehicle as

200

00:10:39,769 --> 00:10:37,440

well as the Northrop Grumman a cargo

201  
00:10:41,329 --> 00:10:39,779  
vehicle that is being loaded with items

202  
00:10:44,210 --> 00:10:41,339  
no longer needed on board the

203  
00:10:47,030 --> 00:10:44,220  
International Space Station SpaceX 27

204  
00:10:49,490 --> 00:10:47,040  
the cargo Dragon will bring home

205  
00:10:51,230 --> 00:10:49,500  
scientific experiments and Hardware to

206  
00:10:53,870 --> 00:10:51,240  
be refurbished on the ground to be

207  
00:10:56,030 --> 00:10:53,880  
reflown while the cygnus vehicle will

208  
00:10:59,030 --> 00:10:56,040  
burn up in the Earth's atmosphere once

209  
00:11:01,130 --> 00:10:59,040  
it is deorbited following its unbirth

210  
00:11:21,530 --> 00:11:01,140  
and robotic release from the

211  
00:11:27,350 --> 00:11:24,110  
the International Space Station is in

212  
00:11:30,710 --> 00:11:27,360  
the correct orientation for the

213  
00:11:33,290 --> 00:11:30,720

undocking of the soyuz once again this

214

00:11:36,590 --> 00:11:33,300

uh will be a manual operation where

215

00:11:39,710 --> 00:11:36,600

procopia will fly the soyuz away from

216

00:11:41,750 --> 00:11:39,720

the station basically backing away above

217

00:11:43,910 --> 00:11:41,760

the International Space Station on the

218

00:11:46,850 --> 00:11:43,920

space-facing side of the complex in the

219

00:11:50,150 --> 00:11:46,860

from the poisk module to a distance of

220

00:11:53,530 --> 00:11:50,160

about a hundred of about 40 to 60 meters

221

00:11:57,710 --> 00:11:53,540

above the station for a 180 degree

222

00:12:01,130 --> 00:11:57,720

rotation maneuver that will Orient the

223

00:12:04,250 --> 00:12:01,140

soyuz properly for its flyer on that fly

224

00:12:06,410 --> 00:12:04,260

around or fly over as the case may be is

225

00:12:10,430 --> 00:12:06,420

expected right around the top of the

226  
00:12:13,190 --> 00:12:10,440  
hour at 4 a.m Central Time 5 a.m eastern

227  
00:12:16,009 --> 00:12:13,200  
time the soyluz maintaining a distance of

228  
00:12:18,949 --> 00:12:16,019  
between 40 and 60 meters away from the

229  
00:12:20,810 --> 00:12:18,959  
station will then fly in front of the

230  
00:12:22,790 --> 00:12:20,820  
international Outpost along what is

231  
00:12:26,150 --> 00:12:22,800  
called the velocity vector or the

232  
00:12:28,910 --> 00:12:26,160  
positive  $V$  bar and then directly below

233  
00:12:31,190 --> 00:12:28,920  
the station again maintaining that 40 to

234  
00:12:34,310 --> 00:12:31,200  
60 meter distance away from the station

235  
00:12:37,810 --> 00:12:34,320  
a period of station keeping will

236  
00:12:41,569 --> 00:12:37,820  
commence at about 4 12 a.m central time

237  
00:12:43,850 --> 00:12:41,579  
before approval is given by the Russian

238  
00:12:46,370 --> 00:12:43,860

flight control team in Korea to begin

239

00:12:49,670 --> 00:12:46,380

Final Approach that should result in a

240

00:14:58,750 --> 00:12:49,680

redocking to the prashal module at 4 23

241

00:15:05,750 --> 00:15:02,930

there's a view of the poisk module near

242

00:15:08,389 --> 00:15:05,760

the top of your screen that is the

243

00:15:11,150 --> 00:15:08,399

module to which the soyuz ms-23 is

244

00:15:14,449 --> 00:15:11,160

currently docked and which will undock

245

00:15:18,290 --> 00:15:14,459

from the station about 15 and a half

246

00:15:21,590 --> 00:15:18,300

minutes from now at 3 45 a.m Central 4

247

00:15:25,069 --> 00:15:21,600

45 a.m eastern time the soyuz itself

248

00:15:27,410 --> 00:15:25,079

right at the bottom of your screen

249

00:15:30,170 --> 00:15:27,420

again the soyuz the three section

250

00:15:32,810 --> 00:15:30,180

spacecraft the forward most section is

251

00:15:34,490 --> 00:15:32,820

called the orbital module the center

252

00:15:37,310 --> 00:15:34,500

section where the crew is strapped into

253

00:15:40,910 --> 00:15:37,320

their respective seats is The Descent

254

00:15:43,790 --> 00:15:40,920

module with procopia and the center seat

255

00:15:47,569 --> 00:15:43,800

flanked to his left by Dimitri patellen

256

00:15:50,769 --> 00:15:47,579

and to his right by NASA's Frank Rubio

257

00:15:53,810 --> 00:15:50,779

during the course of today's relocation

258

00:15:56,569 --> 00:15:53,820

Russian flight controllers in conversing

259

00:16:00,470 --> 00:15:56,579

with prokopiev on board soyuz will be

260

00:16:03,650 --> 00:16:00,480

using the call sign altai which is the

261

00:16:42,490 --> 00:16:03,660

call sign that prokopiev has used for

262

00:16:49,009 --> 00:16:46,730

the hooks from the poisk side of the

263

00:16:53,150 --> 00:16:49,019

docking interface holding the soyuz in

264

00:16:56,389 --> 00:16:53,160

place were opened upon command

265

00:16:59,749 --> 00:16:56,399

about an hour or so ago these soyuz

266

00:17:02,329 --> 00:16:59,759

hooks will be commanded to open less

267

00:17:05,569 --> 00:17:02,339

than 12 and a half minutes from now and

268

00:17:08,630 --> 00:17:05,579

that will take about 90 seconds followed

269

00:17:11,390 --> 00:17:08,640

by the pushing off of uh Springs on both

270

00:17:14,870 --> 00:17:11,400

sides of the docking interface to enable

271

00:17:17,870 --> 00:17:14,880

the soyuz to confirm physical separation

272

00:18:13,669 --> 00:17:17,880

and begin its back away from the poisk

273

00:18:18,710 --> 00:18:16,010

the International Space Station has now

274

00:18:21,049 --> 00:18:18,720

crossed the east coast of Argentina

275

00:18:24,070 --> 00:18:21,059

beginning a swing across the Atlantic

276

00:18:29,510 --> 00:18:26,930

all of the station systems are operating

277

00:18:46,730 --> 00:18:29,520

in normal fashion in support of today's

278

00:18:51,169 --> 00:18:49,610

this is not the only vehicle relocation

279

00:18:53,510 --> 00:18:51,179

on tap

280

00:18:57,710 --> 00:18:53,520

over the course of the next few weeks

281

00:19:01,669 --> 00:18:57,720

the crew 6 crew dragon that launched

282

00:19:04,430 --> 00:19:01,679

Steve Bowen Woody hoberg Sultan al-niadi

283

00:19:06,650 --> 00:19:04,440

and Andre fed yayev to the International

284

00:19:09,310 --> 00:19:06,660

Space Station back in February will

285

00:19:13,970 --> 00:19:09,320

actually conduct a pair of relocations

286

00:19:17,150 --> 00:19:13,980

that will enable the various ports on

287

00:19:19,730 --> 00:19:17,160

the harmony module to be opened for the

288

00:19:22,909 --> 00:19:19,740

arrival of the Axiom 2 crew as well as

289

00:19:45,970 --> 00:19:22,919

the Boeing Starliner crew flight test

290

00:19:50,870 --> 00:19:48,350

just about nine and a half minutes now

291

00:19:52,789 --> 00:19:50,880

until the undocking command is issued to

292

00:19:56,750 --> 00:19:52,799

open up the soyuz hooks holding the

293

00:19:58,789 --> 00:19:56,760

vehicle in place to the poisk module 90

294

00:20:00,289 --> 00:19:58,799

seconds later Springs on both sides of

295

00:20:01,810 --> 00:20:00,299

the docking interface will push off

296

00:20:04,190 --> 00:20:01,820

against one another

297

00:20:08,450 --> 00:20:04,200

inducing physical separation of the

298

00:20:17,140 --> 00:20:08,460

soyuz at a rate of about uh 0.12 meters

299

00:20:17,150 --> 00:20:30,890

[Music]

300

00:20:49,430 --> 00:20:36,470

11 34 40. a closed receiver a close

301  
00:20:56,330 --> 00:20:52,789  
the primary server is

302  
00:20:58,909 --> 00:20:56,340  
in operation on board The Descent module

303  
00:21:00,310 --> 00:20:58,919  
of the soyuz vehicle procopia patellen

304  
00:21:03,770 --> 00:21:00,320  
and Frank Rubio

305  
00:21:06,789 --> 00:21:03,780  
are all set for their short ride from

306  
00:21:10,070 --> 00:21:06,799  
one docking port to another

307  
00:21:11,990 --> 00:21:10,080  
space suits have been leak checked

308  
00:21:15,289 --> 00:21:12,000  
everything is in order

309  
00:21:18,110 --> 00:21:15,299  
the small passageway the Connecting

310  
00:21:21,289 --> 00:21:18,120  
Point between the soyuz and the poisk

311  
00:21:24,409 --> 00:21:21,299  
module has been depressurized down to

312  
00:21:26,930 --> 00:21:24,419  
vacuum in advance of the physical

313  
00:21:42,730 --> 00:21:26,940

separation of the soyuz from the

314

00:21:42,740 --> 00:21:48,770

1137 ready to send the command E2

315

00:21:54,110 --> 00:21:50,810

copy

316

00:21:58,250 --> 00:21:54,120

this sends the command E2 of the

317

00:21:58,260 --> 00:22:13,789

uh copies come up in about one minute

318

00:22:13,799 --> 00:22:28,310

is it ready yes

319

00:22:45,250 --> 00:22:32,330

30 seconds remaining um

320

00:22:51,710 --> 00:22:48,289

and now you're seeing a view uh just as

321

00:22:53,090 --> 00:22:51,720

the crew is on board the soyuz ms-23 on

322

00:22:55,330 --> 00:22:53,100

the left side of your screen that

323

00:22:58,610 --> 00:22:55,340

familiar cross-haired engineering camera

324

00:23:01,250 --> 00:22:58,620

that will show flight controllers and

325

00:23:04,250 --> 00:23:01,260

curlyoff all of the engineering data

326  
00:23:06,049 --> 00:23:04,260  
about the separation distance between

327  
00:23:09,230 --> 00:23:06,059  
the soyuz and the International Space

328  
00:23:13,610 --> 00:23:09,240  
Station its rate of departure basically

329  
00:23:16,730 --> 00:23:13,620  
backing away at the correct rate to

330  
00:23:19,549 --> 00:23:16,740  
begin its fly around of the station at a

331  
00:23:22,430 --> 00:23:19,559  
distance of between 40 and 60 meters a

332  
00:23:24,350 --> 00:23:22,440  
radial fly around of the complex moving

333  
00:23:26,990 --> 00:23:24,360  
above the International Space Station

334  
00:23:29,049 --> 00:23:27,000  
from the poisk module then in front of

335  
00:23:32,149 --> 00:23:29,059  
the station then below the station

336  
00:23:35,510 --> 00:23:32,159  
aligning the forward docking Probe on

337  
00:23:37,970 --> 00:23:35,520  
the soyuz ms-23 with the prashal module

338  
00:23:40,490 --> 00:23:37,980

attached to the naoka multi-purpose

339

00:23:42,890 --> 00:23:40,500

laboratory module on the earth facing

340

00:23:45,470 --> 00:23:42,900

side of the Russian segment of the

341

00:24:11,870 --> 00:23:45,480

International Space Station

342

00:24:20,810 --> 00:24:16,130

each other inhibit is on

343

00:24:23,090 --> 00:24:20,820

yes I confirm if I inherit this one

344

00:24:24,830 --> 00:24:23,100

is always crying education five minutes

345

00:24:26,330 --> 00:24:24,840

away now from the issuance of the

346

00:24:29,330 --> 00:24:26,340

command to begin the opening of the

347

00:24:33,110 --> 00:24:29,340

hooks holding the soyuz to the poisk

348

00:24:35,930 --> 00:24:33,120

module initiating today's relocation of

349

00:24:37,970 --> 00:24:35,940

the spacecraft and the three crew

350

00:24:40,130 --> 00:24:37,980

members on board who will ride home in

351

00:24:46,730 --> 00:24:40,140

this vehicle in late September to

352

00:24:54,950 --> 00:24:51,010

that Oscar is not illuminated on uh

353

00:24:57,409 --> 00:24:54,960

there's seven indicator panel seven it

354

00:25:07,490 --> 00:24:57,419

is not illuminated

355

00:25:11,870 --> 00:25:10,490

the poisk module that you see uh at the

356

00:25:15,590 --> 00:25:11,880

top of your screen

357

00:25:18,649 --> 00:25:15,600

also is used as an airlock for Russian

358

00:25:21,590 --> 00:25:18,659

based spacewalks

359

00:25:23,750 --> 00:25:21,600

and that is one of the reasons for

360

00:25:26,570 --> 00:25:23,760

today's relocation is to open up the

361

00:25:29,330 --> 00:25:26,580

poisk module for use for the Russian

362

00:25:33,169 --> 00:25:29,340

spacewalks that are on tap by procopiev

363

00:25:34,730 --> 00:25:33,179

and patellen on April 18th April 25th

364

00:25:37,789 --> 00:25:34,740

and May 4th

365

00:25:40,070 --> 00:25:37,799

the spacewalks will move a radiator from

366

00:25:43,370 --> 00:25:40,080

the rosfat module to the naoka

367

00:25:46,250 --> 00:25:43,380

multi-purpose laboratory module then on

368

00:25:49,850 --> 00:25:46,260

April 25th to move an experiment airlock

369

00:25:54,169 --> 00:25:49,860

from Ross Fiat to naoka and then on May

370

00:25:57,289 --> 00:25:54,179

4th to deploy that radiator and hook up

371

00:26:00,289 --> 00:25:57,299

other hydraulic and fluid and electrical

372

00:26:03,890 --> 00:26:00,299

lines as the outfitting of naoka which

373

00:26:07,669 --> 00:26:03,900

was delayed back in December because of

374

00:26:10,010 --> 00:26:07,679

the coolant leak on the soyuz ms-22 just

375

00:26:12,049 --> 00:26:10,020

minutes before prokopiev and patellin

376

00:26:15,409 --> 00:26:12,059

were to begin in one of those spacewalks

377

00:26:19,430 --> 00:26:15,419

the spacewalks now rescheduled

378

00:26:25,549 --> 00:26:19,440

three of them over a two-week period to

379

00:26:29,390 --> 00:26:25,559

outfit naoka for future use has both a

380

00:26:31,490 --> 00:26:29,400

experiment module and a docking port the

381

00:26:34,669 --> 00:26:31,500

prashall module is a multi-hatched

382

00:26:39,049 --> 00:26:34,679

docking port able to receive multiple

383

00:26:44,350 --> 00:26:42,230

module again will be the destination for

384

00:26:48,049 --> 00:26:44,360

the next uncrewed

385

00:26:50,990 --> 00:26:48,059

progress resupply craft the ISS progress

386

00:26:53,990 --> 00:26:51,000

84 that will launch to the station on

387

00:26:57,110 --> 00:26:54,000

May 24th on a two orbit Rendezvous a

388

00:27:24,470 --> 00:26:57,120

dock to poisk the same port that soyuz

389

00:27:29,690 --> 00:27:26,810

I'll say you're going to activate the

390

00:27:31,130 --> 00:27:29,700

ssfa document transfer system in about

391

00:27:54,950 --> 00:27:31,140

one minute

392

00:28:02,450 --> 00:27:58,010

everything in order for undocking again

393

00:28:04,730 --> 00:28:02,460

scheduled at 3 45 a.m Central Time 4 45

394

00:28:07,610 --> 00:28:04,740

a.m Eastern Time

395

00:28:09,890 --> 00:28:07,620

so that procopia patellen and Rubio can

396

00:28:11,930 --> 00:28:09,900

begin about a 38-minute fly around to

397

00:28:14,930 --> 00:28:11,940

the station and a relocation and a

398

00:28:17,149 --> 00:28:14,940

redock to the preshaw module coming up

399

00:28:19,549 --> 00:28:17,159

on one minute until the issuance of the

400

00:28:23,870 --> 00:28:19,559

undocking command to begin the opening

401  
00:28:25,250 --> 00:28:23,880  
of the hooks holding soyuz to the poisk

402  
00:28:29,350 --> 00:28:25,260  
module of the International Space

403  
00:28:35,690 --> 00:28:32,450  
not illuminated

404  
00:28:38,630 --> 00:28:35,700  
guess 17 is illuminated

405  
00:28:41,750 --> 00:28:38,640  
the International Space Station now in

406  
00:28:43,370 --> 00:28:41,760  
free drift basically uh disabling all

407  
00:28:45,950 --> 00:28:43,380  
Thruster activity

408  
00:28:53,690 --> 00:28:45,960  
so as not to perturbate the undocking

409  
00:28:57,830 --> 00:28:55,250  
two minutes away from physical

410  
00:29:11,810 --> 00:28:57,840  
separation standing by for the issuance

411  
00:29:23,830 --> 00:29:15,230  
please send that 17 command

412  
00:29:23,840 --> 00:29:32,090  
at 11 43 30 the command was sent

413  
00:29:39,590 --> 00:29:35,450

Hook's indication is not eliminated s13

414

00:29:41,990 --> 00:29:39,600

is not eliminated it is off

415

00:29:44,690 --> 00:29:42,000

f11

416

00:29:46,970 --> 00:29:44,700

illuminated

417

00:29:48,830 --> 00:29:46,980

the command now issued for the opening

418

00:29:50,389 --> 00:29:48,840

of the hooks holding the soyuz to the

419

00:29:52,730 --> 00:29:50,399

poisk module

420

00:30:00,950 --> 00:29:52,740

physical separation is expected about a

421

00:30:00,960 --> 00:30:06,110

and you are on page

422

00:30:06,120 --> 00:30:27,190

inaudible yes Andre

423

00:30:38,330 --> 00:30:30,470

mechanical uh connection uh indication

424

00:30:50,810 --> 00:30:40,130

standing by

425

00:30:56,570 --> 00:30:52,850

docking confirmed

426  
00:31:01,010 --> 00:30:56,580  
right on time at 3 45 a.m Central Time 4

427  
00:31:03,409 --> 00:31:01,020  
45 a.m Eastern Time soyuz ms-23 on its

428  
00:31:13,130 --> 00:31:03,419  
way with procopia of patellin and Frank

429  
00:31:18,289 --> 00:31:15,110  
I'm turning off the

430  
00:31:20,029 --> 00:31:18,299  
wide angle or standby

431  
00:31:26,090 --> 00:31:20,039  
all right

432  
00:31:34,310 --> 00:31:29,630  
ER or data command

433  
00:31:38,029 --> 00:31:35,870  
use power

434  
00:31:39,350 --> 00:31:38,039  
is illuminated

435  
00:31:44,990 --> 00:31:39,360  
not a

436  
00:31:45,000 --> 00:31:52,909  
copy

437  
00:31:52,919 --> 00:31:59,149  
the target is within the four squares

438  
00:32:06,409 --> 00:32:01,669

you can see the Thruster firings on the

439

00:32:08,630 --> 00:32:06,419

ms-23 vehicle under the manual flying of

440

00:32:14,690 --> 00:32:08,640

station and soyuz Commander Sergey

441

00:32:19,549 --> 00:32:17,510

Mickey Mouse yes agency good back away

442

00:32:31,669 --> 00:32:19,559

rate reported by the Russian flight

443

00:32:41,889 --> 00:32:35,210

yeah so one two and guess so indication

444

00:32:58,130 --> 00:32:46,370

AGC operations are in progress

445

00:33:04,789 --> 00:33:01,549

we are not getting a good video so uh

446

00:33:07,669 --> 00:33:04,799

please report on your actions

447

00:33:17,090 --> 00:33:11,750

range is around 12 meters

448

00:33:23,149 --> 00:33:20,029

another good view of the soyuz ms-23

449

00:33:25,310 --> 00:33:23,159

that undocked from the station

450

00:33:29,450 --> 00:33:25,320

just about two and a half minutes ago at

451  
00:33:30,649 --> 00:33:29,460  
3 45 a.m Central Time 4 45 a.m Eastern

452  
00:33:34,070 --> 00:33:30,659  
Time

453  
00:33:36,169 --> 00:33:34,080  
beginning to back away above the

454  
00:33:38,389 --> 00:33:36,179  
International Space Station having

455  
00:33:40,909 --> 00:33:38,399  
Departed the poisk module on the space

456  
00:33:43,310 --> 00:33:40,919  
facing side of the Russian segment of

457  
00:33:47,509 --> 00:33:43,320  
the complex moving to a distance of

458  
00:33:52,310 --> 00:33:47,519  
between 40 and 60 meters away before it

459  
00:33:55,430 --> 00:33:52,320  
initiates a 180 degree rotation and then

460  
00:34:01,490 --> 00:33:55,440  
its fly around of the complex

461  
00:34:06,470 --> 00:34:02,930  
but

462  
00:34:08,510 --> 00:34:06,480  
the ballistics are not recommended for

463  
00:34:11,990 --> 00:34:08,520

you to align early

464

00:34:12,000 --> 00:34:17,389

a modify

465

00:34:22,909 --> 00:34:19,190

so use

466

00:34:26,570 --> 00:34:22,919

a hard stop and then you would

467

00:34:32,270 --> 00:34:29,450

and perform the manual copies that so

468

00:34:34,490 --> 00:34:32,280

I'm starting at the heart stop and then

469

00:34:38,329 --> 00:34:34,500

an article

470

00:34:41,629 --> 00:34:38,339

a copy and please do not rush

471

00:34:43,250 --> 00:34:41,639

make sure that you do the fly around

472

00:34:46,690 --> 00:34:43,260

a line

473

00:34:49,070 --> 00:34:46,700

and the inaudible should be no more than

474

00:34:58,310 --> 00:34:49,080

0.3 copy

475

00:35:04,250 --> 00:35:01,550

the soyuz is currently about 20 meters

476  
00:35:06,470 --> 00:35:04,260  
away from the Poise module Port from

477  
00:35:08,150 --> 00:35:06,480  
which it separated just a few minutes

478  
00:35:11,089 --> 00:35:08,160  
ago

479  
00:35:13,490 --> 00:35:11,099  
this view uh

480  
00:35:16,010 --> 00:35:13,500  
is the engineering Crosshair view on the

481  
00:35:19,310 --> 00:35:16,020  
left side of your screen showing the

482  
00:35:21,650 --> 00:35:19,320  
poisk docking port as the soyuz backs

483  
00:35:23,810 --> 00:35:21,660  
away to a distance of some 40 to 60

484  
00:35:26,150 --> 00:35:23,820  
meters away

485  
00:35:34,430 --> 00:35:26,160  
where it will execute a 180 degree

486  
00:35:41,150 --> 00:35:36,589  
fly around is in progress

487  
00:35:45,290 --> 00:35:41,160  
current range is around 25. 25 meters

488  
00:35:47,810 --> 00:35:45,300

now separating soyuz from the station

489

00:35:49,490 --> 00:35:47,820

please confirm if you can see all the

490

00:35:56,930 --> 00:35:49,500

indications on the vector will be

491

00:36:01,910 --> 00:35:59,270

the soyuz and the International Space

492

00:36:03,770 --> 00:36:01,920

Station flying some 260 miles above the

493

00:36:05,930 --> 00:36:03,780

Earth crossing the west coast of Africa

494

00:36:22,490 --> 00:36:05,940

on a Southwest to northeasterly

495

00:36:22,500 --> 00:36:26,990

I'd like to point out

496

00:36:27,000 --> 00:36:30,530

that

497

00:36:35,530 --> 00:36:33,050

if you're not using the dissipating

498

00:36:38,930 --> 00:36:35,540

screen then you'll have to use the

499

00:36:41,450 --> 00:36:38,940

focusing mode I yes

500

00:36:44,329 --> 00:36:41,460

already have already been done it's set

501  
00:36:50,030 --> 00:36:44,339  
at Infinity the current ranges

502  
00:36:50,040 --> 00:36:54,109  
33 around 33

503  
00:36:54,119 --> 00:36:59,410  
. so I use now about 33 meters away

504  
00:37:11,210 --> 00:37:01,849  
continuing to back away from the station

505  
00:37:16,250 --> 00:37:14,089  
data received here indicates that the

506  
00:37:18,950 --> 00:37:16,260  
pressure module docking port has been

507  
00:37:22,550 --> 00:37:18,960  
powered up in preparation for the

508  
00:37:23,750 --> 00:37:22,560  
arrival and contact and capture of the

509  
00:37:26,510 --> 00:37:23,760  
soyuz

510  
00:37:29,510 --> 00:37:26,520  
with the relocation docking of the red

511  
00:37:32,150 --> 00:37:29,520  
docking of the soyuz to prashal the

512  
00:37:34,010 --> 00:37:32,160  
multi-hatched node module that is

513  
00:37:35,930 --> 00:37:34,020

attached to the naoka multi-purpose

514

00:37:39,410 --> 00:37:35,940

laboratory module that redocking

515

00:38:33,050 --> 00:37:39,420

scheduled at approximately 423

516

00:38:33,060 --> 00:38:38,569

the Rangers approaching 60 meters

517

00:38:47,690 --> 00:38:41,810

station keeping his uh in progress

518

00:38:51,410 --> 00:38:49,670

very smooth back away from the

519

00:38:52,970 --> 00:38:51,420

International Space Station under the

520

00:38:55,370 --> 00:38:52,980

control of

521

00:39:09,190 --> 00:38:55,380

ranges so I use commander and station

522

00:39:25,790 --> 00:39:12,589

and the soyuz now beginning its 180

523

00:39:31,370 --> 00:39:28,250

once this roll maneuver is complete

524

00:39:34,970 --> 00:39:31,380

prokopia then we'll fly the soyuz

525

00:39:37,190 --> 00:39:34,980

in a radial fly around to a point

526  
00:39:39,050 --> 00:39:37,200  
directly in front of the station and

527  
00:39:47,089 --> 00:39:39,060  
then below the station maintaining that

528  
00:40:04,089 --> 00:39:49,849  
90 degrees

529  
00:40:08,630 --> 00:40:06,770  
130 degrees

530  
00:40:11,930 --> 00:40:08,640  
which in um

531  
00:41:04,849 --> 00:40:11,940  
from the heart stop almost complete with

532  
00:41:04,859 --> 00:41:09,050  
approaching 180 degrees

533  
00:41:16,670 --> 00:41:13,430  
uh turn around is completed

534  
00:41:21,410 --> 00:41:16,680  
the roll maneuver now complete bacopia

535  
00:41:23,750 --> 00:41:21,420  
will soon begin to fly the soyuz

536  
00:41:24,829 --> 00:41:23,760  
from this point directly above the

537  
00:41:33,230 --> 00:41:24,839  
station

538  
00:41:38,089 --> 00:41:36,650

we increase the lateral rates

539

00:41:43,190 --> 00:41:38,099

coffee

540

00:41:46,069 --> 00:41:43,200

11 55 45 which taken probe extension

541

00:41:51,829 --> 00:41:48,349

copy

542

00:41:54,490 --> 00:41:51,839

and and the soyuz now has received a

543

00:41:57,910 --> 00:41:54,500

command to extend its docking probe in

544

00:42:00,890 --> 00:41:57,920

advance of its

545

00:42:03,170 --> 00:42:00,900

forthcoming red docking to the prashal

546

00:42:05,329 --> 00:42:03,180

module the multi-hatched node module

547

00:42:08,030 --> 00:42:05,339

that is attached to the naoka

548

00:42:10,849 --> 00:42:08,040

multi-purpose laboratory module that's

549

00:42:12,290 --> 00:42:10,859

on the earth facing side of the Russian

550

00:42:16,130 --> 00:42:12,300

segment of the International Space

551  
00:42:16,140 --> 00:42:22,810  
five

552  
00:42:27,410 --> 00:42:25,130  
patellen and Rubio running about four

553  
00:42:30,650 --> 00:42:27,420  
minutes ahead of their predicted

554  
00:42:33,589 --> 00:42:30,660  
timeline for this relocation today again

555  
00:42:35,990 --> 00:42:33,599  
the relocation serving a dual purpose to

556  
00:42:38,870 --> 00:42:36,000  
open up the poisk module for upcoming

557  
00:42:40,730 --> 00:42:38,880  
Russian spacewalks by procopia and

558  
00:42:44,390 --> 00:42:40,740  
patellin that will get underway on April

559  
00:42:47,450 --> 00:42:44,400  
18th and to clear the poisk for the

560  
00:42:53,930 --> 00:42:47,460  
arrival of the ISS progress 84 cargo

561  
00:43:00,050 --> 00:42:56,870  
once a redocked to the prashal module

562  
00:43:04,130 --> 00:43:00,060  
the soyuz ms-23 will remain at that

563  
00:43:06,950 --> 00:43:04,140

pressure port until Rubio precopiev and

564

00:43:18,770 --> 00:43:06,960

patellen depart the station for good

565

00:43:18,780 --> 00:43:30,109

and the fly around is now underway

566

00:43:34,790 --> 00:43:32,809

large diameter shows less than four

567

00:43:46,250 --> 00:43:34,800

squares and the range is around 60

568

00:43:51,230 --> 00:43:49,250

which is extended and that 13 is

569

00:43:55,430 --> 00:43:51,240

illuminated

570

00:44:04,550 --> 00:44:01,210

the arranges around for squares or 55

571

00:44:07,910 --> 00:44:04,560

meters popping

572

00:44:10,490 --> 00:44:07,920

the soyuz docking probe has now been

573

00:44:13,970 --> 00:44:10,500

extended as planned everything going

574

00:44:15,829 --> 00:44:13,980

extremely well very smoothly

575

00:44:18,349 --> 00:44:15,839

periodically you can see Thruster

576  
00:44:21,470 --> 00:44:18,359  
firings as procopia manually flies the

577  
00:44:23,750 --> 00:44:21,480  
soyuz currently to a point from directly

578  
00:44:31,920 --> 00:44:23,760  
above the station to a point directly in

579  
00:44:31,930 --> 00:44:48,410  
[Applause]

580  
00:44:54,770 --> 00:44:51,430  
the angular size is

581  
00:45:03,829 --> 00:44:54,780  
4.5 squares and the current range is

582  
00:45:11,390 --> 00:45:07,910  
the 9 is eliminated at 11 55.09

583  
00:45:13,849 --> 00:45:11,400  
SM probe was extended and ssopath

584  
00:45:17,329 --> 00:45:13,859  
enjoyable

585  
00:45:25,970 --> 00:45:17,339  
which the docking probe extension on

586  
00:45:32,210 --> 00:45:28,730  
this soyuz again was launched on

587  
00:45:34,970 --> 00:45:32,220  
February 24th uncrewed from the baikonur

588  
00:45:37,910 --> 00:45:34,980

cosmodrome in Kazakhstan two days later

589

00:45:40,010 --> 00:45:37,920

executing an automated docking to the

590

00:45:42,770 --> 00:45:40,020

poisk module to replace the damaged

591

00:45:45,589 --> 00:45:42,780

soyuz ms-22 spacecraft

592

00:45:48,050 --> 00:45:45,599

that undocked from the station without a

593

00:45:50,569 --> 00:45:48,060

crew on board on March 28th

594

00:46:01,000 --> 00:45:50,579

Landing by Parachute on the step of

595

00:46:39,910 --> 00:46:18,640

[Applause]

596

00:46:45,230 --> 00:46:42,349

or in front of the International Space

597

00:46:48,230 --> 00:46:45,240

Station essentially uh looking down the

598

00:46:51,290 --> 00:46:48,240

barrel of the docking port of the zvezda

599

00:46:53,390 --> 00:46:51,300

service module as it continues its fly

600

00:46:56,030 --> 00:46:53,400

around under the control of Sergey

601  
00:47:15,770 --> 00:46:56,040  
prokopiev maintaining a distance of

602  
00:47:19,670 --> 00:47:17,210  
oh

603  
00:47:22,230 --> 00:47:19,680  
very nice you just have pets current

604  
00:47:43,920 --> 00:47:22,240  
range of five five

605  
00:47:46,390 --> 00:47:45,710  
[Applause]

606  
00:47:48,109 --> 00:47:46,400  
[Music]

607  
00:47:49,790 --> 00:47:48,119  
[Applause]

608  
00:47:55,790 --> 00:47:49,800  
we had

609  
00:47:55,800 --> 00:48:02,150  
current range is around 60 meters

610  
00:48:02,160 --> 00:48:31,970  
copy

611  
00:48:38,089 --> 00:48:35,690  
this view from the engineering camera on

612  
00:48:40,190 --> 00:48:38,099  
the soyuz vehicle

613  
00:48:43,790 --> 00:48:40,200

showing an excellent view of the ISS

614

00:48:45,710 --> 00:48:43,800

progress 83 cargo craft that is docked

615

00:48:47,270 --> 00:48:45,720

to the AFT end of the zvezda service

616

00:48:50,089 --> 00:48:47,280

module

617

00:48:53,150 --> 00:48:50,099

Sergey procopia of continuing to fly the

618

00:48:54,170 --> 00:48:53,160

soyuz to a point now directly below the

619

00:48:56,270 --> 00:48:54,180

station

620

00:49:00,109 --> 00:48:56,280

and now in the field of view you can see

621

00:49:03,349 --> 00:49:00,119

that bulbous module that is the pressure

622

00:49:06,050 --> 00:49:03,359

module to which procopia will align the

623

00:49:09,170 --> 00:49:06,060

soyuz forward docking probe and move in

624

00:49:11,329 --> 00:49:09,180

for Final Approach and a red docking to

625

00:49:42,069 --> 00:49:11,339

the International Space Station

626  
00:49:47,450 --> 00:49:44,690  
the Sous and the International Space

627  
00:49:49,430 --> 00:49:47,460  
Station flying in tandem moving from

628  
00:49:52,370 --> 00:49:49,440  
Southwest to Northeast in an orbit

629  
00:49:53,450 --> 00:49:52,380  
incline 51.6 degrees to either side of

630  
00:49:55,430 --> 00:49:53,460  
the Equator

631  
00:49:56,930 --> 00:49:55,440  
about to pass the border between

632  
00:50:00,589 --> 00:49:56,940  
Southern Russia

633  
00:50:03,170 --> 00:50:00,599  
and Western Kazakhstan

634  
00:50:08,569 --> 00:50:03,180  
angular sizes

635  
00:50:08,579 --> 00:50:25,450  
copy

636  
00:50:31,849 --> 00:50:28,849  
and again the wide view showing now the

637  
00:50:34,910 --> 00:50:31,859  
soyuz as it uh slowly but surely

638  
00:50:37,910 --> 00:50:34,920

approaches uh its alignment Point some

639

00:50:40,730 --> 00:50:37,920

55 meters away from the prashall module

640

00:50:43,790 --> 00:50:40,740

that's on the left side of your screen

641

00:50:47,030 --> 00:50:43,800

that is the multi-hatched node module

642

00:50:49,370 --> 00:50:47,040

that is attached to the Nader or

643

00:51:02,630 --> 00:50:49,380

earth-facing side of the naoka

644

00:51:11,770 --> 00:51:05,510

and I am continuing to move

645

00:51:19,069 --> 00:51:16,190

the fly around is now complete the soyuz

646

00:51:21,049 --> 00:51:19,079

precisely aligning itself now with the

647

00:51:24,349 --> 00:51:21,059

person module

648

00:51:26,329 --> 00:51:24,359

in advance of uh a short period of

649

00:51:35,809 --> 00:51:26,339

station keeping

650

00:51:40,190 --> 00:51:38,270

and you see the pressure docking port

651  
00:51:42,530 --> 00:51:40,200  
now in the field of view from the

652  
00:51:50,030 --> 00:51:42,540  
Crosshair engineering camera on the

653  
00:51:56,210 --> 00:51:53,870  
I'm aligned with the uh

654  
00:51:59,089 --> 00:51:56,220  
back and forth boxes

655  
00:52:10,670 --> 00:52:01,730  
procopia reporting good alignment with

656  
00:52:16,309 --> 00:52:13,069  
fun please send the command on time

657  
00:52:17,950 --> 00:52:16,319  
command sent copy

658  
00:52:20,809 --> 00:52:17,960  
that's

659  
00:52:23,030 --> 00:52:20,819  
1206. brucopia of running about five

660  
00:52:26,390 --> 00:52:23,040  
minutes ahead of schedule

661  
00:52:30,770 --> 00:52:26,400  
set no problem with the timing

662  
00:52:37,730 --> 00:52:34,430  
soyuz flying 260 miles over Northwestern

663  
00:52:43,970 --> 00:52:40,910

copy the current range is around 40

664

00:52:53,630 --> 00:52:48,410

and I am our continuing the approach to

665

00:52:53,640 --> 00:52:59,930

to station keeping

666

00:53:07,670 --> 00:53:02,569

and you can continue at the rate of

667

00:53:11,690 --> 00:53:07,680

0.2.3 up to a 20 meter range and then on

668

00:53:11,700 --> 00:53:33,230

armed

669

00:53:40,609 --> 00:53:36,290

and continue to align

670

00:54:29,089 --> 00:53:43,670

the current range is 33 meters

671

00:54:34,190 --> 00:54:31,370

everything continuing to go very

672

00:54:37,670 --> 00:54:34,200

smoothly with the

673

00:54:39,349 --> 00:54:37,680

relocation of the soyuz ms-23 that you

674

00:54:42,470 --> 00:54:39,359

see in the field of view

675

00:54:49,069 --> 00:54:42,480

in the center section of the soyuz The

676

00:54:49,079 --> 00:54:53,230

current range is 25

677

00:54:58,910 --> 00:54:56,450

Final Approach now underway the soyuz

678

00:55:02,150 --> 00:54:58,920

now just 25 meters away from its final

679

00:55:27,069 --> 00:55:02,160

destination the prashal module the node

680

00:55:33,710 --> 00:55:31,130

strapped in to The Descent module

681

00:55:35,930 --> 00:55:33,720

Sergey prokopiev in the center seat of

682

00:55:38,450 --> 00:55:35,940

soyuz commander flanked on his left by

683

00:55:40,130 --> 00:55:38,460

Dimitri patelan and to his right NASA's

684

00:55:41,990 --> 00:55:40,140

Frank Rubio

685

00:55:45,650 --> 00:55:42,000

this again the vehicle that the three

686

00:55:53,990 --> 00:55:45,660

will ride home to Earth on on September

687

00:55:59,089 --> 00:55:57,770

after the soyuz redox to the prashal

688

00:56:01,010 --> 00:55:59,099

module

689

00:56:03,829 --> 00:56:01,020

and the hooks are closed to form a hard

690

00:56:06,109 --> 00:56:03,839

mate there will be about 90 minutes for

691

00:56:07,849 --> 00:56:06,119

the crew to conduct leak checks to make

692

00:56:10,730 --> 00:56:07,859

sure that we have an airtight seal

693

00:56:13,430 --> 00:56:10,740

between the soyuz and pressure before

694

00:56:15,109 --> 00:56:13,440

the hatches will be open to allow the

695

00:56:35,390 --> 00:56:15,119

three crew members back inside the

696

00:56:35,400 --> 00:56:40,309

Sergey

697

00:56:46,970 --> 00:56:43,490

on beccu video monitor

698

00:56:51,290 --> 00:56:46,980

I am seeing inaudible please repeat your

699

00:56:51,300 --> 00:56:57,470

copy

700

00:56:57,480 --> 00:57:05,210

you are coming in very long

701  
00:57:11,390 --> 00:57:08,870

we are seeing a

702  
00:57:12,710 --> 00:57:11,400

circular Target on the second video

703  
00:57:15,650 --> 00:57:12,720

monitor

704  
00:57:23,690 --> 00:57:15,660

or do you see can you confirm yes

705  
00:57:28,910 --> 00:57:26,089

of course here is aligned

706  
00:57:33,530 --> 00:57:28,920

the target is at the center

707  
00:57:36,410 --> 00:57:33,540

approximately 5.5 squares lower

708  
00:57:50,349 --> 00:57:36,420

continuing

709  
00:57:55,490 --> 00:57:52,970

again the view of a Russian ground

710  
00:57:57,650 --> 00:57:55,500

stations from the soyuz engineering

711  
00:58:01,250 --> 00:57:57,660

camera

712  
00:58:04,910 --> 00:58:01,260

as a procopia slowly but surely

713  
00:58:07,190 --> 00:58:04,920

flies soyuz in for its redocking to the

714

00:58:10,309 --> 00:58:07,200

prashal module

715

00:58:12,650 --> 00:58:10,319

that's the node module multiple hatches

716

00:59:32,990 --> 00:58:12,660

for multiple vehicles to arrive at the

717

00:59:33,000 --> 00:59:39,170

the target is of the center

718

00:59:39,180 --> 00:59:45,770

on the current range of 18 meters copy

719

00:59:53,089 --> 00:59:48,410

a copy of confirming 18 meters now

720

01:00:35,809 --> 00:59:55,190

soyuz in the International Space Station

721

01:00:42,410 --> 01:00:39,410

to recap so far soyuz undocked from the

722

01:00:44,450 --> 01:00:42,420

poisk module on the space-facing side of

723

01:00:46,190 --> 01:00:44,460

the International Space Station at 3 45

724

01:00:49,309 --> 01:00:46,200

a.m Central

725

01:00:52,010 --> 01:00:49,319

4 45 a.m Eastern Time

726  
01:00:54,049 --> 01:00:52,020  
backed away from that docking port to a

727  
01:00:57,950 --> 01:00:54,059  
distance of some

728  
01:01:00,230 --> 01:00:57,960  
40 meters or so began a fly around under

729  
01:01:03,470 --> 01:01:00,240  
the manual control of

730  
01:01:06,349 --> 01:01:03,480  
Rose Cosmos Cosmonaut and soyuz

731  
01:01:08,930 --> 01:01:06,359  
Commander Sergey prokopiev

732  
01:01:11,690 --> 01:01:08,940  
completed the fly around and now is in

733  
01:01:33,230 --> 01:01:11,700  
Final Approach for a redocking to the

734  
01:01:39,349 --> 01:01:36,109  
Sergey just perform

735  
01:01:42,890 --> 01:01:39,359  
station keeping up the mirrors and the

736  
01:01:44,930 --> 01:01:42,900  
target should be less than three squares

737  
01:01:48,530 --> 01:01:44,940  
at that point and continue with the

738  
01:01:48,540 --> 01:01:52,370

a copy

739

01:01:52,380 --> 01:01:58,010

current range is 15 meters

740

01:02:03,109 --> 01:02:00,170

copy 15.

741

01:02:52,730 --> 01:02:03,119

15 meters down separating soyuz from pre

742

01:03:00,109 --> 01:02:56,329

current range is 12. the target is in

743

01:03:00,119 --> 01:03:34,730

copy

744

01:03:45,230 --> 01:03:38,450

so I use now flying over Southeastern

745

01:03:50,510 --> 01:03:47,450

about to move inside 10 meters from

746

01:04:58,569 --> 01:03:54,170

the range is 10 meters

747

01:05:13,730 --> 01:05:02,630

smoothly closing in for its uh redocking

748

01:05:19,849 --> 01:05:16,609

you can see the docking probe fully

749

01:05:21,650 --> 01:05:19,859

extended from the orbital module or the

750

01:05:35,390 --> 01:05:21,660

uppermost section of the soyuz

751  
01:05:35,400 --> 01:05:39,470  
the range is seven meters

752  
01:05:43,430 --> 01:05:41,390  
and getting ready to perform station

753  
01:05:45,890 --> 01:05:43,440  
keeping

754  
01:05:49,190 --> 01:05:45,900  
there will be a very brief period of

755  
01:05:50,750 --> 01:05:49,200  
station keeping one more check of the

756  
01:06:00,410 --> 01:05:50,760  
precise alignment of that forward

757  
01:06:10,309 --> 01:06:02,870  
that brief period of station keeping

758  
01:06:14,809 --> 01:06:12,109  
Target is aligned with the center

759  
01:06:19,309 --> 01:06:14,819  
current range is five

760  
01:06:19,319 --> 01:06:31,430  
set up the agency mode

761  
01:06:36,890 --> 01:06:33,829  
station keeping is in progress

762  
01:06:47,029 --> 01:06:39,890  
and procopia let's put the brakes on for

763  
01:06:52,010 --> 01:06:49,970

and they now have a final go from

764

01:07:12,670 --> 01:06:52,020

Russian flight controllers for Final

765

01:07:19,309 --> 01:07:16,490

as the station and soyuz fly 260 miles

766

01:07:22,849 --> 01:07:19,319

over Osaka Japan

767

01:07:25,130 --> 01:07:22,859

a great view of the ms-23 spacecraft now

768

01:07:27,470 --> 01:07:25,140

just two meters away from contact and

769

01:07:47,029 --> 01:07:27,480

capture

770

01:07:49,569 --> 01:07:47,039

docking occurring at 4 22 a.m Central

771

01:07:52,130 --> 01:07:49,579

Time 5 22 a.m Eastern Time

772

01:07:55,730 --> 01:07:52,140

congratulations was a successful be

773

01:08:00,650 --> 01:07:58,069

oh thank you please accept our

774

01:08:05,329 --> 01:08:00,660

congratulations as well

775

01:08:08,630 --> 01:08:05,339

I'm activating the translational

776

01:08:10,730 --> 01:08:08,640

and controller copy the docking probe

777

01:08:12,130 --> 01:08:10,740

now retracting to form a hard mate

778

01:08:15,289 --> 01:08:12,140

between

779

01:08:18,110 --> 01:08:15,299

soyuz and per shell it was a 37 minute

780

01:08:21,950 --> 01:08:18,120

Transit from the poised module to the

781

01:08:25,189 --> 01:08:21,960

personal module a Flawless execution by

782

01:08:28,189 --> 01:08:25,199

soyuz Commander Sergey procopiov along

783

01:08:32,390 --> 01:08:28,199

with his soyuz crewmates Dimitri Patel

784

01:08:34,970 --> 01:08:32,400

of Rose Cosmos and Frank Rubio of NASA

785

01:08:36,370 --> 01:08:34,980

a great job

786

01:08:39,650 --> 01:08:36,380

also

787

01:08:42,050 --> 01:08:39,660

my uh best regards to you guys and I

788

01:08:44,749 --> 01:08:42,060

guess I'll talk to you next time

789

01:08:50,630 --> 01:08:44,759

during the progress operations

790

01:08:56,390 --> 01:08:53,870

once again the redocking of soyuz to the

791

01:08:59,990 --> 01:08:56,400

international space stations pre-shaw

792

01:09:04,189 --> 01:09:00,000

module occurring at 4 22 a.m Central

793

01:09:06,829 --> 01:09:04,199

Time 5 22 a.m Eastern Time

794

01:09:09,890 --> 01:09:06,839

as the International Space Station and

795

01:09:17,570 --> 01:09:09,900

soyuz flew just uh off the east coast of

796

01:09:17,580 --> 01:09:22,550

ready to report on the parameters

797

01:09:27,849 --> 01:09:25,189

the historical section one pressure is

798

01:09:31,450 --> 01:09:27,859

one where three

799

01:09:41,570 --> 01:09:31,460

and for number two is one eight three

800

01:10:05,510 --> 01:09:43,789

copy

801  
01:10:21,530 --> 01:10:10,130  
so the actions on page 106 I am turning

802  
01:10:34,090 --> 01:10:24,950  
and if we please monitor everything and

803  
01:10:41,030 --> 01:10:38,510  
closing our one evolve

804  
01:10:44,810 --> 01:10:41,040  
this is Mission Control Houston uh once

805  
01:10:46,790 --> 01:10:44,820  
again the soyuz ms-23 has successfully

806  
01:10:51,709 --> 01:10:46,800  
redocked to the International Space

807  
01:10:57,350 --> 01:10:54,709  
after a 37-minute fly around

808  
01:11:01,390 --> 01:10:57,360  
undocking from the poisk module at 3 45

809  
01:11:05,630 --> 01:11:01,400  
a.m Central Time 4 45 a.m Eastern

810  
01:11:12,590 --> 01:11:05,640  
redocking at 4 22 a.m Central 5 22 a.m

811  
01:11:21,050 --> 01:11:14,689  
we are waiting for the hooks to close

812  
01:11:27,470 --> 01:11:24,530  
the departure from the poisk module

813  
01:11:30,050 --> 01:11:27,480

opens up poisk for a trio of Russian

814

01:11:33,350 --> 01:11:30,060

spacewalks set to begin from the poisk

815

01:11:36,050 --> 01:11:33,360

airlock on April 18th

816

01:11:37,970 --> 01:11:36,060

that will stretch through May 4th and

817

01:11:42,050 --> 01:11:37,980

the arrival in late May of the next

818

01:12:16,790 --> 01:11:42,060

progress resupply craft the ISS progress

819

01:12:22,330 --> 01:12:19,850

uh Sergey please keep monitoring SS

820

01:12:25,610 --> 01:12:22,340

weapon docking and internal transfer

821

01:12:28,010 --> 01:12:25,620

mode execution

822

01:12:30,410 --> 01:12:28,020

and reports on the command's execution

823

01:12:33,530 --> 01:12:30,420

yes standing by

824

01:12:36,850 --> 01:12:33,540

the inaudible is eliminated hooks closed

825

01:12:41,149 --> 01:12:36,860

is illuminated

826

01:12:45,350 --> 01:12:41,159

standing by uh for authentications to

827

01:13:06,590 --> 01:12:45,360

illuminate they have not come on yet

828

01:13:23,270 --> 01:13:09,590

if the Titian does not eliminate could

829

01:13:27,770 --> 01:13:25,490

we have confirmation that the soyuz

830

01:13:28,850 --> 01:13:27,780

hooks have closed now standing by for

831

01:13:30,950 --> 01:13:28,860

the final

832

01:14:10,030 --> 01:13:30,960

step here that would be the closure of

833

01:14:17,270 --> 01:14:15,649

Sergey do you see s 13 eliminated

834

01:14:20,750 --> 01:14:17,280

no not yet

835

01:14:25,070 --> 01:14:20,760

uh the lectures are retracted and this

836

01:14:26,950 --> 01:14:25,080

led is on but s13 is not eliminated okay

837

01:14:28,550 --> 01:14:26,960

but the

838

01:14:35,330 --> 01:14:28,560

d

839

01:14:40,310 --> 01:14:35,340

what about D15

840

01:14:40,320 --> 01:14:47,510

uh you cannot say it again please

841

01:14:52,910 --> 01:14:49,430

all right uh

842

01:15:06,290 --> 01:14:52,920

uh send s13 manually

843

01:15:13,130 --> 01:15:11,149

12 29 15 is the time of s13

844

01:15:17,870 --> 01:15:13,140

issues

845

01:15:24,410 --> 01:15:17,880

yes now the apple is on uh transfer

846

01:15:28,970 --> 01:15:26,330

space station flying into an orbital

847

01:15:31,250 --> 01:15:28,980

Sunset over the Pacific Ocean Rod

848

01:15:36,910 --> 01:15:31,260

standing by for a confirmation of the

849

01:15:43,610 --> 01:15:42,410

uh on so far it's still eliminated copy

850

01:15:45,530 --> 01:15:43,620

okay

851  
01:15:50,630 --> 01:15:45,540  
do you understand correctly that you are

852  
01:15:50,640 --> 01:16:00,970  
is on we are ready to turn it off

853  
01:16:07,430 --> 01:16:05,090  
d11 SM Rod is it retracted LED

854  
01:16:09,350 --> 01:16:07,440  
eliminated okay then you'll go to

855  
01:16:12,470 --> 01:16:09,360  
Genesis repair off

856  
01:16:15,350 --> 01:16:12,480  
this is what they often work

857  
01:16:17,390 --> 01:16:15,360  
I sent the command

858  
01:16:27,770 --> 01:16:17,400  
the

859  
01:16:31,310 --> 01:16:27,780  
five minute measurement yes go ahead

860  
01:16:37,189 --> 01:16:34,430  
as a pressure 779

861  
01:16:40,270 --> 01:16:37,199  
Delta plus one

862  
01:16:43,610 --> 01:16:40,280  
Barrel pressure 749

863  
01:16:45,830 --> 01:16:43,620

Delta one plus one

864

01:16:47,870 --> 01:16:45,840

and then instrumentation compartment

865

01:17:01,689 --> 01:16:47,880

case for nine

866

01:17:07,689 --> 01:17:04,850

in addition give me the oxygen parcel

867

01:17:14,510 --> 01:17:07,699

partial pressure

868

01:17:14,520 --> 01:17:31,430

okay

869

01:17:35,810 --> 01:17:33,830

this view of the Russian

870

01:17:39,169 --> 01:17:35,820

flight control room

871

01:17:41,930 --> 01:17:39,179

at the Russian Mission Control Center in

872

01:17:44,090 --> 01:17:41,940

Coral youth outside Moscow to execute in

873

01:17:45,470 --> 01:17:44,100

page 107.

874

01:17:48,350 --> 01:17:45,480

carpet

875

01:17:50,990 --> 01:17:48,360

the soyuz hooks are closed at the

876  
01:17:53,570 --> 01:17:51,000  
pressure module waiting for confirmation

877  
01:18:33,910 --> 01:17:53,580  
that the prashall module hooks

878  
01:18:38,750 --> 01:18:36,890  
and we are receiving a Telemetry here in

879  
01:20:12,669 --> 01:18:38,760  
Mission Control indicating that the

880  
01:20:17,510 --> 01:20:15,830  
should be just a moment or two before we

881  
01:21:41,750 --> 01:20:17,520  
receive confirmation that the prashall

882  
01:23:16,189 --> 01:21:44,990  
the pressure hooks continue to drive

883  
01:23:20,990 --> 01:23:18,830  
foreign and Russian flight controllers

884  
01:23:23,149 --> 01:23:21,000  
have now confirmed the closure of the

885  
01:23:25,610 --> 01:23:23,159  
pressure hooks

886  
01:23:29,209 --> 01:23:25,620  
so we have a hard mate now between the

887  
01:23:31,790 --> 01:23:29,219  
soyuz ms-23 and the prashal module

888  
01:23:35,630 --> 01:23:31,800

following a Flawless undocking and

889

01:23:38,450 --> 01:23:35,640

redocking of the soyuz vehicle with uh

890

01:23:40,790 --> 01:23:38,460

Frank Rubio of NASA and Rose Cosmos

891

01:23:42,770 --> 01:23:40,800

Cosmonaut Sergey prokopiev and Dimitri

892

01:23:45,890 --> 01:23:42,780

patelan on board

893

01:23:48,229 --> 01:23:45,900

the trio undocked from the poisk module

894

01:23:49,850 --> 01:23:48,239

on the space facing side of the Russian

895

01:23:53,930 --> 01:23:49,860

segment of the International Space

896

01:23:55,610 --> 01:23:53,940

Station at 3 45 a.m Central 4 45 a.m

897

01:23:58,669 --> 01:23:55,620

Eastern Time

898

01:24:02,450 --> 01:23:58,679

procopia manually flew the soyuz to a

899

01:24:05,390 --> 01:24:02,460

distance of almost 50 meters above the

900

01:24:07,250 --> 01:24:05,400

station then in front of the station and

901  
01:24:09,229 --> 01:24:07,260  
then below the station a radial fly

902  
01:24:13,130 --> 01:24:09,239  
around of the complex

903  
01:24:17,390 --> 01:24:13,140  
before moving in for Final Approach

904  
01:24:20,870 --> 01:24:17,400  
and redocking that occurred at 4 22 a.m

905  
01:24:23,810 --> 01:24:20,880  
Central 5 22 a.m Eastern Time

906  
01:24:33,910 --> 01:24:23,820  
a 37-minute fly around and redocking

907  
01:24:40,910 --> 01:24:37,850  
the relocation of the soyuz vehicle

908  
01:24:44,810 --> 01:24:40,920  
today opens up the poisk module

909  
01:24:47,689 --> 01:24:44,820  
and it's airlock for a trio of Russian

910  
01:24:51,290 --> 01:24:47,699  
spacewalks that will begin on April 18th

911  
01:24:53,450 --> 01:24:51,300  
by procopia Van patellen to uh

912  
01:24:55,490 --> 01:24:53,460  
outfit the naoka multi-purpose

913  
01:24:59,630 --> 01:24:55,500

laboratory module

914

01:25:03,110 --> 01:24:59,640

with the relocation of a radiator from

915

01:25:05,390 --> 01:25:03,120

the rosfat module to naoka

916

01:25:08,450 --> 01:25:05,400

then on the second of the spacewalks the

917

01:25:10,970 --> 01:25:08,460

relocation of an experiment airlock from

918

01:25:13,310 --> 01:25:10,980

rosfiat to naoka

919

01:25:15,649 --> 01:25:13,320

and then the deployment of that radiator

920

01:25:18,530 --> 01:25:15,659

and the hookup of other fluid and

921

01:25:20,510 --> 01:25:18,540

electrical lines on Majorca on the third

922

01:25:21,590 --> 01:25:20,520

of the three spacewalk schedule for May

923

01:25:24,229 --> 01:25:21,600

4th

924

01:25:27,229 --> 01:25:24,239

poisk now also is available for the

925

01:25:30,110 --> 01:25:27,239

arrival of the ISS progress 84 cargo

926  
01:25:33,050 --> 01:25:30,120  
ship that is scheduled to launch on May

927  
01:25:35,270 --> 01:25:33,060  
24th to the international Outpost

928  
01:25:38,510 --> 01:25:35,280  
so with that we'll wrap up our coverage

929  
01:25:40,970 --> 01:25:38,520  
for today a Flawless undocking and

930  
01:25:44,570 --> 01:25:40,980  
redocking the relocation of the soyuz

931  
01:25:47,090 --> 01:25:44,580  
ms-23 now complete with a hard mate of

932  
01:25:49,130 --> 01:25:47,100  
the soyuz vehicle to the prashal module

933  
01:25:51,350 --> 01:25:49,140  
on the earth-facing side of the

934  
01:25:53,090 --> 01:25:51,360  
International Space Station you can

935  
01:25:56,090 --> 01:25:53,100  
follow all the activities of the

936  
01:25:59,209 --> 01:25:56,100  
Expedition 69 crew on the website at

937  
01:26:01,430 --> 01:25:59,219  
nasa.gov station and until we see you

938  
01:26:02,750 --> 01:26:01,440

again have a good day this is Mission