



1  
00:00:15,030 --> 00:00:11,110  
chairman of the commission the crew

2  
00:00:15,040 --> 00:00:36,549  
thank ready

3  
00:00:36,559 --> 00:00:47,110  
okay

4  
00:00:50,389 --> 00:00:48,310  
thank you very much do you have any

5  
00:00:56,310 --> 00:00:50,399  
questions no

6  
00:00:56,320 --> 00:01:15,910  
well good luck

7  
00:01:20,469 --> 00:01:18,230  
hello we would like to wish you

8  
00:01:24,230 --> 00:01:20,479  
good luck and ask how well you are

9  
00:01:30,069 --> 00:01:26,390  
thank you very much for wishing us luck

10  
00:01:32,069 --> 00:01:30,079  
we're ready for everything

11  
00:01:34,550 --> 00:01:32,079  
and we'll find out a little bit later

12  
00:01:36,550 --> 00:01:34,560  
what we should be

13  
00:01:39,429 --> 00:01:36,560

preparing for because we already pulled

14

00:01:43,749 --> 00:01:39,439

our cards our examination cards and

15

00:01:49,270 --> 00:01:47,350

now we just sign on the we're signing on

16

00:01:57,109 --> 00:01:49,280

the outside of the ticket we don't see

17

00:02:02,069 --> 00:01:59,910

i'm like a compressed spring ready for

18

00:02:06,870 --> 00:02:02,079

work

19

00:02:11,670 --> 00:02:09,510

well yesterday you had one examination

20

00:02:13,430 --> 00:02:11,680

day uh are you happy with the results of

21

00:02:15,990 --> 00:02:13,440

the tests

22

00:02:20,309 --> 00:02:16,000

yes well there's some minor injuries but

23

00:02:21,670 --> 00:02:20,319

some light injuries so to speak but we

24

00:02:23,270 --> 00:02:21,680

did try

25

00:02:26,390 --> 00:02:23,280

our best and

26

00:02:28,790 --> 00:02:26,400

overall everything is going on with our

27

00:02:30,550 --> 00:02:28,800

chests and uh the

28

00:02:40,630 --> 00:02:30,560

commission has

29

00:02:50,869 --> 00:02:44,150

yes i think the flight engineer has a

30

00:02:53,190 --> 00:02:52,309

about the flight crew

31

00:02:54,070 --> 00:02:53,200

yes

32

00:02:56,070 --> 00:02:54,080

well

33

00:02:58,070 --> 00:02:56,080

first uh they're good friends of mine

34

00:03:00,309 --> 00:02:58,080

and i enjoy being with them but they're

35

00:03:02,550 --> 00:03:00,319

also very competent at their jobs of

36

00:03:04,630 --> 00:03:02,560

being a cosmonauts and i really

37

00:03:07,910 --> 00:03:04,640

appreciate that because their control of

38

00:03:12,550 --> 00:03:07,920

this vehicle and uh i'm very happy to be

39

00:03:17,270 --> 00:03:14,710

for nasa tv this will be your final exam

40

00:03:18,869 --> 00:03:17,280

in the soyuz vehicle how long will be

41

00:03:20,790 --> 00:03:18,879

you be in the soyuz mock-up for your

42

00:03:22,790 --> 00:03:20,800

final exam training session today and

43

00:03:24,710 --> 00:03:22,800

what what might what scenarios might you

44

00:03:27,990 --> 00:03:24,720

expect to experience well we're going to

45

00:03:29,910 --> 00:03:28,000

start off with a launch going into the

46

00:03:31,509 --> 00:03:29,920

rendezvous and then after that we'll get

47

00:03:33,750 --> 00:03:31,519

a break and then we're going to come

48

00:03:35,190 --> 00:03:33,760

back and do a landing phase it's going

49

00:03:37,430 --> 00:03:35,200

to take most a day to get through all

50

00:03:39,270 --> 00:03:37,440

that so we'll be in here for uh in the

51  
00:03:44,830 --> 00:03:39,280  
vehicle for anywhere between six to

52  
00:03:49,270 --> 00:03:46,710  
alexander

53  
00:03:52,630 --> 00:03:49,280  
a question who helps the commander more

54  
00:03:56,149 --> 00:03:52,640  
flight engineer wonderful engineer too

55  
00:03:58,470 --> 00:03:56,159  
well you see at different stages uh each

56  
00:04:01,270 --> 00:03:58,480  
crew member member of the team can

57  
00:04:02,309 --> 00:04:01,280  
assist me so we support each other and i

58  
00:04:04,309 --> 00:04:02,319  
think

59  
00:04:06,710 --> 00:04:04,319  
right now the crew

60  
00:04:10,949 --> 00:04:06,720  
has really come together very well as a

61  
00:04:14,949 --> 00:04:13,750  
how how should i say that i think we

62  
00:04:18,469 --> 00:04:14,959  
will all

63  
00:04:20,150 --> 00:04:18,479

uh perform our functions our role

64

00:04:23,990 --> 00:04:20,160

uh during the fight

65

00:04:24,000 --> 00:04:27,990

okay

66

00:04:28,000 --> 00:04:31,590

let's get going

67

00:04:31,600 --> 00:04:37,430

please proceed here

68

00:04:37,440 --> 00:04:50,310

well good luck

69

00:04:50,320 --> 00:05:19,749

okay

70

00:05:25,990 --> 00:05:21,510

good morning

71

00:05:27,510 --> 00:05:26,000

the crew

72

00:05:37,189 --> 00:05:27,520

members

73

00:06:08,550 --> 00:05:39,029

yes i think she put it for you right

74

00:06:08,560 --> 00:06:11,670

do you have any questions

75

00:06:11,680 --> 00:06:14,870

no

76

00:06:18,469 --> 00:06:16,870

thanks i think we're ready as a group

77

00:06:19,830 --> 00:06:18,479

we're definitely ready for this uh to

78

00:06:21,670 --> 00:06:19,840

get started we've been training for a

79

00:06:23,110 --> 00:06:21,680

long time we're looking forward to these

80

00:06:25,110 --> 00:06:23,120

tests and we're looking forward them to

81

00:06:26,870 --> 00:06:25,120

being done also and we can get ready to

82

00:06:39,510 --> 00:06:26,880

go to baikonur and have some fun and go

83

00:06:44,150 --> 00:06:42,390

is it difficult for the young people to

84

00:06:46,390 --> 00:06:44,160

become cosmonauts

85

00:06:49,270 --> 00:06:46,400

no not complicated

86

00:06:51,510 --> 00:06:49,280

you just need to really want to

87

00:06:52,629 --> 00:06:51,520

fill out an application form go through

88

00:06:55,270 --> 00:06:52,639

the

89

00:06:59,350 --> 00:06:55,280

medical exams

90

00:07:02,870 --> 00:07:00,950

oh i have been thinking about that

91

00:07:05,749 --> 00:07:02,880

particular question for a while because

92

00:07:07,029 --> 00:07:05,759

we needed to show that one

93

00:07:11,110 --> 00:07:07,039

kilogram

94

00:07:28,469 --> 00:07:11,120

and i'm going to aubrey leopard

95

00:07:34,390 --> 00:07:30,629

language is very poor

96

00:07:34,400 --> 00:07:44,950

but alexander speaks very good english

97

00:07:48,390 --> 00:07:46,390

question two

98

00:07:51,830 --> 00:07:48,400

alexander alexander issue uh your point

99

00:07:55,510 --> 00:07:51,840

in two evas what are the plans

100

00:08:01,350 --> 00:07:58,790

scenario so far only one ava has been

101  
00:08:04,309 --> 00:08:01,360  
officially approved

102  
00:08:11,110 --> 00:08:04,319  
this second dba is still being

103  
00:08:14,869 --> 00:08:12,790  
to start thinking about eva's right

104  
00:08:16,550 --> 00:08:14,879  
prior to my exams uh

105  
00:08:18,550 --> 00:08:16,560  
hard for me

106  
00:08:20,950 --> 00:08:18,560  
well what were we

107  
00:08:23,830 --> 00:08:20,960  
mostly science

108  
00:08:27,350 --> 00:08:23,840  
so far we have

109  
00:08:31,430 --> 00:08:27,360  
exposed equipment for eva

110  
00:08:34,149 --> 00:08:31,440  
then some antenna activities

111  
00:08:36,149 --> 00:08:34,159  
by a risk the science experiment of

112  
00:08:37,190 --> 00:08:36,159  
course

113  
00:08:39,509 --> 00:08:37,200

and then

114

00:08:41,430 --> 00:08:39,519

test experiment has not yet been

115

00:08:44,470 --> 00:08:41,440

approved but most likely we're going to

116

00:08:46,949 --> 00:08:44,480

have experiment tests

117

00:08:49,590 --> 00:08:46,959

possibly if we have enough time we will

118

00:08:52,470 --> 00:08:49,600

perform the external

119

00:08:55,350 --> 00:08:52,480

inspection of the station

120

00:08:57,750 --> 00:08:55,360

and the second question about the

121

00:09:01,030 --> 00:08:57,760

abnormal situations of

122

00:09:02,790 --> 00:09:01,040

which are the most complex

123

00:09:06,070 --> 00:09:02,800

examiner criminals i'm talking about the

124

00:09:07,190 --> 00:09:06,080

tests you're our examinations

125

00:09:08,389 --> 00:09:07,200

well

126

00:09:11,670 --> 00:09:08,399

the most

127

00:09:13,990 --> 00:09:11,680

complicated always is to be ready for

128

00:09:15,190 --> 00:09:14,000

unexpected things but during our

129

00:09:19,269 --> 00:09:15,200

training

130

00:09:21,590 --> 00:09:19,279

for all the phenomenal situations but

131

00:09:23,750 --> 00:09:21,600

how that's going to work out in the

132

00:09:26,230 --> 00:09:23,760

examination card

133

00:09:27,990 --> 00:09:26,240

we pulled we don't know but we're ready

134

00:09:28,790 --> 00:09:28,000

for all of nominal situations and i

135

00:09:30,870 --> 00:09:28,800

think

136

00:09:33,030 --> 00:09:30,880

it's not just the crew of work that is

137

00:09:34,790 --> 00:09:33,040

being evaluated but also the ability of

138

00:09:37,269 --> 00:09:34,800

the crew to work with the ground control

139

00:09:39,269 --> 00:09:37,279

center and the ground is going to help

140

00:09:41,590 --> 00:09:39,279

us during our flight

141

00:09:43,750 --> 00:09:41,600

the well-balanced work

142

00:10:01,350 --> 00:09:43,760

of the crew with the mission control and

143

00:10:08,069 --> 00:10:04,870

no we're not talking about the mentors

144

00:10:10,470 --> 00:10:08,079

the level of knowledge

145

00:10:12,710 --> 00:10:10,480

of the crew members is so high you can

146

00:10:15,430 --> 00:10:12,720

just

147

00:10:18,310 --> 00:10:15,440

help them understand how things work out

148

00:10:20,310 --> 00:10:18,320

in zero gravity and we can help them

149

00:10:21,910 --> 00:10:20,320

figure it out

150

00:10:24,710 --> 00:10:21,920

i think that is an experience they will

151  
00:10:26,389 --> 00:10:24,720  
gain but as far as training is concerned

152  
00:10:33,110 --> 00:10:26,399  
i'm not concerned about the outcome of

153  
00:10:33,120 --> 00:10:38,870  
good luck and thank you

154  
00:10:38,880 --> 00:10:54,710  
are you pointing any musical experiments

155  
00:10:59,110 --> 00:10:56,949  
i'm not sure about our

156  
00:11:01,190 --> 00:10:59,120  
crew members but now

157  
00:11:03,990 --> 00:11:01,200  
maybe we'll sing something maybe some

158  
00:11:05,590 --> 00:11:04,000  
songs for our own purposes but otherwise

159  
00:11:06,790 --> 00:11:05,600  
no

160  
00:11:10,630 --> 00:11:06,800  
that's it

161  
00:11:10,640 --> 00:11:17,190  
well this way this way please

162  
00:11:21,430 --> 00:11:18,389  
over there

163  
00:11:25,269 --> 00:11:23,750

waving to the mission control center

164

00:11:36,470 --> 00:11:25,279

thank you

165

00:11:36,480 --> 00:11:48,150

um

166

00:11:52,710 --> 00:11:50,069

what is the probability of the abnormal

167

00:11:56,230 --> 00:11:52,720

situations well the probability of these

168

00:11:58,470 --> 00:11:56,240

specific abdominal situations is um

169

00:12:00,470 --> 00:11:58,480

rather low but there can be different of

170

00:12:04,790 --> 00:12:00,480

nominal situations starting with the

171

00:12:07,350 --> 00:12:04,800

necessity of some small medical

172

00:12:09,430 --> 00:12:07,360

issues something got intake remember his

173

00:12:11,750 --> 00:12:09,440

eye and they need to talk to the ground

174

00:12:15,030 --> 00:12:11,760

and take some steps and the probability

175

00:12:17,430 --> 00:12:15,040

of such situations is rather high

176

00:12:18,389 --> 00:12:17,440

but as a rule we

177

00:12:20,710 --> 00:12:18,399

play

178

00:12:22,829 --> 00:12:20,720

very complicated abnormal situations

179

00:12:26,470 --> 00:12:22,839

depress or fire

180

00:12:29,829 --> 00:12:26,480

but we had one abnormal situation on the

181

00:12:32,550 --> 00:12:29,839

mirror station once over the 15 years

182

00:12:34,350 --> 00:12:32,560

and one with once we had

183

00:12:37,590 --> 00:12:34,360

or one and a half

184

00:12:40,710 --> 00:12:37,600

depressurization events one was a small

185

00:12:43,110 --> 00:12:40,720

leak and one was a major leak the

186

00:12:45,430 --> 00:12:43,120

probability is very low but the price of

187

00:12:47,590 --> 00:12:45,440

such of nominal situations is rather

188

00:12:49,990 --> 00:12:47,600

high that's why all the crew members

189

00:12:59,269 --> 00:12:50,000

have to go through training and undergo

190

00:13:04,470 --> 00:13:01,350

chairman of the examination commission

191

00:13:06,790 --> 00:13:04,480

the backup crew of

192

00:13:09,509 --> 00:13:06,800

increment 39 40 is

193

00:13:10,949 --> 00:13:09,519

ready for the examination training

194

00:13:32,550 --> 00:13:10,959

commander of the cruise alexander

195

00:13:37,350 --> 00:13:35,670

the specifications thank you that is for

196

00:13:51,030 --> 00:13:37,360

us

197

00:13:57,430 --> 00:13:51,040

nominal situation report as you go

198

00:14:02,150 --> 00:13:59,670

can we ask

199

00:14:04,389 --> 00:14:02,160

could you could you walk here

200

00:14:06,550 --> 00:14:04,399

during the previous flight you were

201  
00:14:08,389 --> 00:14:06,560  
preparing for in a different process

202  
00:14:10,470 --> 00:14:08,399  
what is the difference is it more

203  
00:14:13,430 --> 00:14:10,480  
complicated for it to train

204  
00:14:15,910 --> 00:14:13,440  
well the training system has been honed

205  
00:14:17,910 --> 00:14:15,920  
within the 40-year application so the

206  
00:14:19,990 --> 00:14:17,920  
difference in training is

207  
00:14:22,629 --> 00:14:20,000  
minuscule it's just the

208  
00:14:24,150 --> 00:14:22,639  
rendezvous it used to be two days and

209  
00:14:26,230 --> 00:14:24,160  
now it's shorter and the crew members

210  
00:14:29,110 --> 00:14:26,240  
are different

211  
00:14:31,110 --> 00:14:29,120  
how was your experience of training with

212  
00:14:33,269 --> 00:14:31,120  
elena that's her first experience flying

213  
00:14:34,150 --> 00:14:33,279

to the station with the russian uh young

214

00:14:36,310 --> 00:14:34,160

lady

215

00:14:38,150 --> 00:14:36,320

well she's just as good as special as i

216

00:14:39,670 --> 00:14:38,160

am and she's ready to take over anytime

217

00:14:42,310 --> 00:14:39,680

she needs to

218

00:14:45,990 --> 00:14:42,320

elena are you worried are you nervous no

219

00:14:46,000 --> 00:14:53,350

any questions

220

00:14:56,790 --> 00:14:55,030

for elena

221

00:14:58,629 --> 00:14:56,800

what are some of the most important

222

00:15:04,389 --> 00:14:58,639

things that you're learning right now in

223

00:15:08,310 --> 00:15:06,389

i should say that

224

00:15:09,910 --> 00:15:08,320

during training

225

00:15:12,230 --> 00:15:09,920

for

226

00:15:14,790 --> 00:15:12,240

space flight there are no little things

227

00:15:16,389 --> 00:15:14,800

every little thing is important coach

228

00:15:17,670 --> 00:15:16,399

wilmore can you talk about some of the

229

00:15:20,389 --> 00:15:17,680

challenges of the things that you're

230

00:15:22,310 --> 00:15:20,399

learning compared uh to fly the soyuz

231

00:15:23,829 --> 00:15:22,320

vehicle and prep in comparison to your

232

00:15:24,629 --> 00:15:23,839

last flight which was aboard the space

233

00:15:26,790 --> 00:15:24,639

shuttle

234

00:15:28,389 --> 00:15:26,800

i would say that uh regardless of how

235

00:15:30,710 --> 00:15:28,399

you're flying in space what you're

236

00:15:33,509 --> 00:15:30,720

flying on uh there are challenges

237

00:15:35,110 --> 00:15:33,519

wherever you try to do such a thing when

238

00:15:36,550 --> 00:15:35,120

you push the edge of the envelope and

239

00:15:37,590 --> 00:15:36,560

fly into space it doesn't matter what

240

00:15:39,590 --> 00:15:37,600

you're doing

241

00:15:41,030 --> 00:15:39,600

it's challenging regardless i'm excited

242

00:15:43,350 --> 00:15:41,040

to be here i'm thrilled to be at this

243

00:15:45,350 --> 00:15:43,360

point it's been a long journey and it's

244

00:15:49,269 --> 00:15:45,360

been an exciting journey and excitement

245

00:15:54,150 --> 00:15:51,509

thank you very much uh does anyone else

246

00:15:55,990 --> 00:15:54,160

have questions for the crew members

247

00:16:03,670 --> 00:15:56,000

let us