



1
00:00:14,160 --> 00:00:17,269
balcony

2
00:00:17,279 --> 00:00:42,310
commander

3
00:00:42,320 --> 00:00:51,029
dining

4
00:00:53,510 --> 00:00:52,389
i always

5
00:00:55,830 --> 00:00:53,520
tell

6
00:01:00,389 --> 00:00:55,840
the guys to be

7
00:01:04,789 --> 00:01:02,549
so all the

8
00:01:07,510 --> 00:01:04,799
responsibilities with the two alexanders

9
00:01:07,520 --> 00:01:23,030
no that that we can discuss later

10
00:01:23,040 --> 00:01:26,230
foreign

11
00:01:26,240 --> 00:01:43,270
my

12
00:01:43,280 --> 00:02:16,949
uh

13
00:02:40,229 --> 00:02:18,630

the rubber band is going to fall out

14

00:02:40,239 --> 00:02:45,990

okay that's it guys we're running late

15

00:02:51,670 --> 00:02:48,229

i think your spacesuit

16

00:02:54,710 --> 00:02:51,680

fits very well

17

00:02:58,470 --> 00:02:54,720

yes have pressure in

18

00:03:03,270 --> 00:03:01,670

yes we have 135

19

00:03:17,589 --> 00:03:03,280

yes

20

00:03:17,599 --> 00:04:23,110

next

21

00:05:06,150 --> 00:04:24,710

right now we're going to conduct a hit

22

00:05:06,160 --> 00:05:22,710

foreign

23

00:05:22,720 --> 00:05:37,110

oh

24

00:06:12,070 --> 00:05:38,950

okay alexander

25

00:06:12,080 --> 00:06:37,510

um

26

00:07:24,710 --> 00:06:38,870

do you think you can put him on your

27

00:07:24,720 --> 00:08:23,909

because i think

28

00:08:23,919 --> 00:08:58,630

thank you

29

00:08:58,640 --> 00:09:22,310

foreign

30

00:09:22,320 --> 00:09:47,670

is

31

00:09:47,680 --> 00:09:51,110

1280.

32

00:10:28,870 --> 00:09:52,550

probably wait until the end of the

33

00:10:48,310 --> 00:10:43,990

okay

34

00:10:48,320 --> 00:11:11,590

be careful

35

00:11:11,600 --> 00:12:01,670

um

36

00:12:01,680 --> 00:12:28,310

will that be tomorrow

37

00:12:28,320 --> 00:13:17,509

how are you feeling

38

00:13:17,519 --> 00:13:31,829

oh

39

00:13:31,839 --> 00:13:35,190
will be

40

00:13:39,750 --> 00:13:37,509
actually if all the shuttles go

41

00:13:41,350 --> 00:13:39,760
according to schedule there will be

42

00:13:42,389 --> 00:13:41,360
there will be one more

43

00:13:45,829 --> 00:13:42,399
uh

44

00:14:00,550 --> 00:13:45,839
after i leave so i will not be the last

45

00:14:00,560 --> 00:14:09,590
foreign

46

00:14:09,600 --> 00:14:27,829
is

47

00:14:27,839 --> 00:14:43,189
shining and uh

48

00:14:48,550 --> 00:14:45,110
now

49

00:14:50,310 --> 00:14:48,560
i'm very much looking forward to

50

00:14:52,230 --> 00:14:50,320
watching the expression on their face

51

00:14:53,269 --> 00:14:52,240

when we get to orbit

52

00:14:57,670 --> 00:14:53,279

and

53

00:15:24,949 --> 00:14:57,680

magnificent earth that we live on

54

00:15:29,590 --> 00:15:27,430

a delight to work with i'm

55

00:15:31,269 --> 00:15:29,600

i'm i feel like i have

56

00:15:34,389 --> 00:15:31,279

two very good friends

57

00:15:37,189 --> 00:15:34,399

and two big brothers and um

58

00:15:45,030 --> 00:15:37,199

friends for life

59

00:15:59,269 --> 00:15:47,749

he was fine when i flew with the

60

00:15:59,279 --> 00:16:47,189

foreign

61

00:16:47,199 --> 00:16:54,470

redwoods

62

00:17:15,029 --> 00:16:56,150

don't put too much water it's still cold

63

00:17:15,039 --> 00:17:25,669

right now we're going to take pictures

64

00:17:25,679 --> 00:17:42,150

are you feeling cold now

65

00:17:42,160 --> 00:18:07,590

yes

66

00:18:07,600 --> 00:18:20,549

foreign

67

00:18:20,559 --> 00:18:38,789

is everything fine thank you

68

00:18:38,799 --> 00:18:46,070

kingdom

69

00:18:46,080 --> 00:19:03,510

is

70

00:19:15,350 --> 00:19:08,070

i i think you didn't sit correctly

71

00:19:15,360 --> 00:19:25,750

how was your time did you plant anything

72

00:19:44,390 --> 00:19:27,590

were there any wishes coming from the

73

00:19:44,400 --> 00:19:55,830

it's filled with compressed gas

74

00:19:55,840 --> 00:20:11,110

um

75

00:20:22,149 --> 00:20:13,430

all the payloads that are being brought

76

00:20:22,159 --> 00:20:42,710

where did you put the iphone

77

00:20:47,029 --> 00:20:45,270

do not step here tracy don't pre don't

78

00:20:49,990 --> 00:20:47,039

step on the screen

79

00:21:08,630 --> 00:20:50,000

try not to step on it this is a soft

80

00:21:08,640 --> 00:21:25,270

yes

81

00:21:41,909 --> 00:21:26,710

the metal part is only going to be

82

00:21:52,070 --> 00:21:43,430

i think we can talk again about it

83

00:22:03,110 --> 00:21:54,149

okay let's take the

84

00:22:21,270 --> 00:22:04,549

i think you always are looking straight

85

00:22:24,549 --> 00:22:22,789

everything is great we touched

86

00:22:35,270 --> 00:22:24,559

everything with our hands

87

00:23:02,070 --> 00:22:37,350

it was as if it's the first time i

88

00:23:02,080 --> 00:23:14,149

can you move away in the microphone

89

00:23:14,159 --> 00:23:34,789

could you look at us now

90

00:23:34,799 --> 00:23:47,909

yes

91

00:23:53,190 --> 00:23:50,390

this is where there used to be the

92

00:23:54,549 --> 00:23:53,200

pool table prior to flight this is the

93

00:23:55,430 --> 00:23:54,559

photograph

94

00:24:00,710 --> 00:23:55,440

of

95

00:24:00,720 --> 00:24:10,149

this is where the gospels went fishing

96

00:24:14,789 --> 00:24:12,149

it used to be that the 10

97

00:24:16,830 --> 00:24:14,799

days of adjustment after landing where

98

00:24:20,549 --> 00:24:16,840

the gusman stayed at

99

00:24:24,710 --> 00:24:20,559

baikonur this is the mock-up of the

100

00:24:24,720 --> 00:24:29,269

this is the landing strip for burun

101
00:24:35,029 --> 00:24:31,110
right now this is a

102
00:24:39,110 --> 00:24:36,950
we're watching all the launches on the

103
00:24:42,070 --> 00:24:39,120
second floor from the window

104
00:24:44,470 --> 00:24:42,080
it is very close

105
00:24:46,390 --> 00:24:44,480
this is the city

106
00:24:49,909 --> 00:24:46,400
near the cerda river

107
00:24:49,919 --> 00:25:09,269
thank you

108
00:25:09,279 --> 00:25:17,110
this is the tradition

109
00:25:17,120 --> 00:25:29,190
uh

110
00:25:29,200 --> 00:25:54,390
is

111
00:25:54,400 --> 00:26:30,549
yes it was my dream

112
00:26:37,350 --> 00:26:34,390
we're going to have this as part of our

113
00:26:39,590 --> 00:26:37,360

museum we're going to reduce it in size

114

00:26:44,789 --> 00:26:39,600

a little we're going to be very proud

115

00:26:57,430 --> 00:26:47,190

these are small gifts for you and for

116

00:26:57,440 --> 00:27:25,990

water

117

00:27:26,000 --> 00:27:39,669

thank you

118

00:27:39,679 --> 00:28:04,070

okay

119

00:28:04,080 --> 00:28:26,630

so

120

00:28:26,640 --> 00:28:33,350

good

121

00:28:33,360 --> 00:28:46,389

huh

122

00:28:46,399 --> 00:29:44,789

foreign

123

00:29:44,799 --> 00:30:14,470

oh

124

00:30:14,480 --> 00:30:34,830

so

125

00:30:34,840 --> 00:31:08,470

yeah looks very nice with the white

126
00:31:08,480 --> 00:32:06,470
oh

127
00:32:06,480 --> 00:32:15,509
foreign

128
00:32:15,519 --> 00:33:44,230
okay

129
00:33:44,240 --> 00:34:15,990
lunch for school

130
00:34:16,000 --> 00:34:25,669
there's

131
00:34:25,679 --> 00:34:59,430
so

132
00:34:59,440 --> 00:35:21,430
okay

133
00:35:25,109 --> 00:35:22,630
peggy

134
00:35:26,470 --> 00:35:25,119
another soyuz rocket ready to launch on

135
00:35:28,870 --> 00:35:26,480
friday

136
00:35:30,870 --> 00:35:28,880
you've had a chance to meet with tracy

137
00:35:32,870 --> 00:35:30,880
what's her state of readiness to begin

138
00:35:35,910 --> 00:35:32,880

her six months in space

139

00:35:38,230 --> 00:35:35,920

they're all very excited to go very

140

00:35:40,230 --> 00:35:38,240

concentrated and focused on what their

141

00:35:43,349 --> 00:35:40,240

tasks are going to be it's going to

142

00:35:45,109 --> 00:35:43,359

start off really busy with the arrival

143

00:35:47,589 --> 00:35:45,119

of the shuttle hopefully launching on

144

00:35:49,910 --> 00:35:47,599

the fifth and arriving two days later so

145

00:35:52,310 --> 00:35:49,920

they'll be jumping in almost immediately

146

00:35:54,230 --> 00:35:52,320

with very complicated operations joint

147

00:35:55,030 --> 00:35:54,240

operations with the shuttle

148

00:35:57,430 --> 00:35:55,040

so

149

00:35:59,430 --> 00:35:57,440

they're all thinking about their tasks

150

00:36:00,950 --> 00:35:59,440

that they will be doing in the next few

151
00:36:02,790 --> 00:36:00,960
weeks because it's going to be very

152
00:36:04,470 --> 00:36:02,800
concentrated effort

153
00:36:07,270 --> 00:36:04,480
to get started

154
00:36:09,510 --> 00:36:07,280
usually an arriving station crew has an

155
00:36:10,870 --> 00:36:09,520
opportunity for some days worth of

156
00:36:13,430 --> 00:36:10,880
orientation

157
00:36:14,870 --> 00:36:13,440
as you said tracy and her crewmates uh

158
00:36:15,990 --> 00:36:14,880
moving right into a joint shuttle

159
00:36:18,390 --> 00:36:16,000
mission

160
00:36:19,670 --> 00:36:18,400
any impacts there or are they just fully

161
00:36:21,589 --> 00:36:19,680
prepared for that

162
00:36:23,349 --> 00:36:21,599
well they've trained for it but it'll

163
00:36:25,670 --> 00:36:23,359

obviously be a little more complicated

164

00:36:27,430 --> 00:36:25,680

than usual because you do have to start

165

00:36:29,349 --> 00:36:27,440

off running

166

00:36:31,430 --> 00:36:29,359

usually in the first couple of weeks on

167

00:36:33,589 --> 00:36:31,440

board station we allow the crew members

168

00:36:35,190 --> 00:36:33,599

a little more orientation time just to

169

00:36:37,670 --> 00:36:35,200

figure out where everything's located

170

00:36:40,069 --> 00:36:37,680

and be able to find things easily

171

00:36:46,630 --> 00:36:40,079

and they won't have that luxury so

172

00:36:46,640 --> 00:36:51,950

ready to go space shuttle on the

173

00:36:57,589 --> 00:36:54,390

manhattan operations that lie ahead over

174

00:36:59,349 --> 00:36:57,599

the next week it's an amazing time for

175

00:37:01,589 --> 00:36:59,359

us to see the activity behind me here

176
00:37:03,589 --> 00:37:01,599
with the soyuz and watch the team get

177
00:37:05,030 --> 00:37:03,599
the rocket ready to go fly

178
00:37:06,950 --> 00:37:05,040
watch the guys start to make the

179
00:37:09,109 --> 00:37:06,960
umbilicals and get the rocket ready at

180
00:37:11,670 --> 00:37:09,119
the same time i have my blackberry here

181
00:37:13,030 --> 00:37:11,680
i get sasses from florida i see what the

182
00:37:15,270 --> 00:37:13,040
team's doing in florida getting the

183
00:37:16,710 --> 00:37:15,280
vehicle ready and they've just done some

184
00:37:18,230 --> 00:37:16,720
loading down in florida a little too

185
00:37:19,430 --> 00:37:18,240
cool to load some propellant and they'll

186
00:37:21,589 --> 00:37:19,440
do a little bit later and they'll get

187
00:37:23,670 --> 00:37:21,599
that taken care of but again it's neat

188
00:37:25,349 --> 00:37:23,680

seeing kind of in two different worlds

189

00:37:27,270 --> 00:37:25,359

two rockets getting ready to go to the

190

00:37:29,750 --> 00:37:27,280

same space station it's a pretty amazing

191

00:37:32,150 --> 00:37:29,760

time for us how complicated will tracy

192

00:37:35,109 --> 00:37:32,160

caldwell dyson's increment be she'll be

193

00:37:37,510 --> 00:37:35,119

very busy with lots of activities the

194

00:37:39,990 --> 00:37:37,520

russian modules coming up again you'll

195

00:37:41,190 --> 00:37:40,000

also see in this mplm some science racks

196

00:37:43,030 --> 00:37:41,200

that we're carrying up we're carrying

197

00:37:45,510 --> 00:37:43,040

out the window observation facility a

198

00:37:46,950 --> 00:37:45,520

new minus 80 degree freezer so we're not

199

00:37:48,310 --> 00:37:46,960

only bringing the spares up but we're

200

00:37:49,910 --> 00:37:48,320

starting to bring a lot of the research

201
00:37:51,829 --> 00:37:49,920
equipment up to kind of finish the

202
00:37:52,790 --> 00:37:51,839
outside of the research side of station

203
00:37:54,550 --> 00:37:52,800
so

204
00:37:56,390 --> 00:37:54,560
again it's neat seeing not only the

205
00:37:57,990 --> 00:37:56,400
station to get assembled but then seeing

206
00:37:59,589 --> 00:37:58,000
the final touches get put on the

207
00:38:01,030 --> 00:37:59,599
research equipment

208
00:38:03,589 --> 00:38:01,040
and finally bill

209
00:38:05,910 --> 00:38:03,599
this launch on friday begins

210
00:38:08,790 --> 00:38:05,920
the final year of shuttle operations

211
00:38:09,910 --> 00:38:08,800
soyuz kicking off this busy year

212
00:38:11,910 --> 00:38:09,920
but

213
00:38:13,910 --> 00:38:11,920

for everyone associated with the shuttle

214

00:38:16,550 --> 00:38:13,920

program a bittersweet

215

00:38:19,030 --> 00:38:16,560

time to contemplate what lies ahead your

216

00:38:21,910 --> 00:38:19,040

thoughts as we begin this uh this

217

00:38:23,829 --> 00:38:21,920

very busy year and historic year

218

00:38:25,430 --> 00:38:23,839

yeah i think you know we're kind of you

219

00:38:27,349 --> 00:38:25,440

know reminded we know that the shuttle

220

00:38:29,109 --> 00:38:27,359

program is going to come to an end and

221

00:38:31,510 --> 00:38:29,119

and what we need to do is just take each

222

00:38:33,670 --> 00:38:31,520

flight one at a time work at our utmost

223

00:38:35,910 --> 00:38:33,680

be prepared be ready to go do what we

224

00:38:38,150 --> 00:38:35,920

need to do space flight's unforgiving we

225

00:38:39,910 --> 00:38:38,160

need to be prepared do our work but then

226

00:38:41,349 --> 00:38:39,920

also take a moment every once in a while

227

00:38:43,030 --> 00:38:41,359

to just cherish what we're doing and

228

00:38:45,270 --> 00:38:43,040

think about how it fits in a big scheme

229

00:38:46,870 --> 00:38:45,280

of things how this fits in doing

230

00:38:49,270 --> 00:38:46,880

research and really setting us up for

231

00:38:51,270 --> 00:38:49,280

the future so this is a unique time for

232

00:38:54,870 --> 00:38:51,280

us i think we'll look back on this time

233

00:38:56,069 --> 00:38:54,880

in a special way but as we do that

234

00:38:57,430 --> 00:38:56,079

we need to take each one of these

235

00:38:59,349 --> 00:38:57,440

flights and really think about what it

236

00:39:01,109 --> 00:38:59,359

means in a bigger context but but stay

237

00:39:02,710 --> 00:39:01,119

focused on their job do the work like we

238

00:39:05,109 --> 00:39:02,720

need to do be professionals and move

239

00:39:06,870 --> 00:39:05,119

forward so again i see a tremendously

240

00:39:08,790 --> 00:39:06,880

professional team here getting the soyuz

241

00:39:11,190 --> 00:39:08,800

ready the same spirit that drives the

242

00:39:12,710 --> 00:39:11,200

team here drives a team in florida and

243

00:39:15,349 --> 00:39:12,720

we'll be ready to go fly when it's time

244

00:39:16,310 --> 00:39:15,359

to go fly

245

00:39:18,790 --> 00:39:16,320

kirk

246

00:39:20,870 --> 00:39:18,800

so use on the pad as we head into the

247

00:39:22,710 --> 00:39:20,880

month of april which of course is always

248

00:39:24,470 --> 00:39:22,720

an historic time here at the baikonur

249

00:39:26,550 --> 00:39:24,480

cosmodrome your thoughts

250

00:39:28,230 --> 00:39:26,560

as the soyuz prepares to visit the

251

00:39:29,910 --> 00:39:28,240

international space station well like

252

00:39:31,430 --> 00:39:29,920

you said it's a very exciting time it's

253

00:39:33,589 --> 00:39:31,440

uh it's near the anniversary of yuri

254

00:39:35,589 --> 00:39:33,599

gagarin's first flight and uh and you

255

00:39:37,990 --> 00:39:35,599

can't help but think about the history

256

00:39:40,150 --> 00:39:38,000

of a human space flight

257

00:39:41,829 --> 00:39:40,160

when you're out here at baikonur it's

258

00:39:43,270 --> 00:39:41,839

really a busy time for international

259

00:39:44,230 --> 00:39:43,280

space station with this flight and the

260

00:39:46,470 --> 00:39:44,240

upcoming

261

00:39:48,790 --> 00:39:46,480

shuttle flight 19a in a few days as well

262

00:39:50,950 --> 00:39:48,800

so a really exciting time it's a great

263

00:39:52,630 --> 00:39:50,960

uh it's great opportunity to be here

264

00:39:54,230 --> 00:39:52,640

you almost need a traffic cop up the

265

00:39:55,910 --> 00:39:54,240

international space station to figure

266

00:39:57,990 --> 00:39:55,920

out the traffic pattern that's about to

267

00:40:00,870 --> 00:39:58,000

unfold over the next few days

268

00:40:02,710 --> 00:40:00,880

how how complex is this integrated

269

00:40:03,510 --> 00:40:02,720

arrival of the soyuz with a brand new

270

00:40:04,309 --> 00:40:03,520

crew

271

00:40:05,829 --> 00:40:04,319

and

272

00:40:08,150 --> 00:40:05,839

the arrival of the shuttle next week

273

00:40:09,910 --> 00:40:08,160

with all those critical uh components

274

00:40:11,829 --> 00:40:09,920

and cargo onboard sure it's a little

275

00:40:13,510 --> 00:40:11,839

it's a little complicated but but uh

276
00:40:14,790 --> 00:40:13,520
having gone to six person crew on board

277
00:40:16,870 --> 00:40:14,800
the international space station last

278
00:40:17,670 --> 00:40:16,880
year makes a big difference so

279
00:40:20,069 --> 00:40:17,680
uh

280
00:40:21,990 --> 00:40:20,079
when alexander and mchale and tracy get

281
00:40:23,670 --> 00:40:22,000
up to the space station uh they'll be

282
00:40:24,870 --> 00:40:23,680
new just like the shuttle crew will be

283
00:40:26,470 --> 00:40:24,880
new when they arrive there but we'll

284
00:40:29,190 --> 00:40:26,480
have three veterans who've been on board

285
00:40:30,470 --> 00:40:29,200
for sever for several months and so uh

286
00:40:31,670 --> 00:40:30,480
the fact that we have six people and

287
00:40:33,910 --> 00:40:31,680
three people who've been up there for

288
00:40:35,109 --> 00:40:33,920

quite a while that'll ease this whole uh

289

00:40:37,430 --> 00:40:35,119

this whole period and make it very

290

00:40:38,950 --> 00:40:37,440

productive so i'm confident that these

291

00:40:42,069 --> 00:40:38,960

two missions arriving very close

292

00:40:43,589 --> 00:40:42,079

together will work out very well

293

00:40:45,349 --> 00:40:43,599

now you're going to be re-upping to a

294

00:40:47,109 --> 00:40:45,359

six-person crew for the first time since

295

00:40:49,829 --> 00:40:47,119

last november and that's going to be the

296

00:40:51,910 --> 00:40:49,839

pattern from now on how important will

297

00:40:54,630 --> 00:40:51,920

the next several months be how complex

298

00:40:56,630 --> 00:40:54,640

is this expedition upcoming in terms of

299

00:40:59,430 --> 00:40:56,640

integrating the shuttle visits as well

300

00:41:01,349 --> 00:40:59,440

as uh getting us back to a full eclipse

301
00:41:03,670 --> 00:41:01,359
capability and all of that sure this

302
00:41:08,390 --> 00:41:03,680
expedition expedition 23 and

303
00:41:10,150 --> 00:41:08,400
24 will have 128 different scientific

304
00:41:12,710 --> 00:41:10,160
investigations that will support over

305
00:41:15,109 --> 00:41:12,720
400 scientists around the world and so

306
00:41:16,309 --> 00:41:15,119
it's a very robust science program the

307
00:41:18,550 --> 00:41:16,319
shuttle that's going to launch here in a

308
00:41:20,950 --> 00:41:18,560
few days is going to carry over 6 700

309
00:41:22,790 --> 00:41:20,960
pounds of research materials including

310
00:41:25,910 --> 00:41:22,800
four research facilities

311
00:41:27,829 --> 00:41:25,920
and and also scientific experiments mix

312
00:41:29,510 --> 00:41:27,839
that with this crew will see three

313
00:41:31,109 --> 00:41:29,520

different shuttles fly up to the

314

00:41:33,510 --> 00:41:31,119

international space station so not only

315

00:41:36,230 --> 00:41:33,520

they have a robust science program

316

00:41:37,510 --> 00:41:36,240

an education program but they'll also be

317

00:41:39,510 --> 00:41:37,520

finishing up the assembly of the

318

00:41:42,069 --> 00:41:39,520

international space station so very a

319

00:41:43,990 --> 00:41:42,079

very exciting time a very busy time but