



СПОЛИ
ПОЛИ

Сергей РЯЗАНСКИЙ

1
00:00:32,150 --> 00:00:17,550

[Music]

2
00:00:35,990 --> 00:00:32,160
the commission on approval

3
00:00:40,229 --> 00:00:38,310
we have been working in moscow but at

4
00:00:43,110 --> 00:00:40,239
baikonur

5
00:00:45,590 --> 00:00:43,120
preparation and the launch vehicle

6
00:00:47,670 --> 00:00:45,600
preparations were in progress and the

7
00:00:50,950 --> 00:00:47,680
members of the state exam

8
00:01:02,470 --> 00:00:50,960
board were working here and

9
00:01:02,480 --> 00:01:19,590
60 years old

10
00:01:23,190 --> 00:01:21,590
yet another member of the state exam

11
00:01:25,109 --> 00:01:23,200
board

12
00:01:27,749 --> 00:01:25,119
deputy of uh

13
00:01:29,910 --> 00:01:27,759

cosmonaut training center

14

00:01:33,670 --> 00:01:29,920

maxim karlamov

15

00:01:41,190 --> 00:01:33,680

had his 50th anniversary yesterday and

16

00:01:44,389 --> 00:01:42,789

and well now

17

00:01:47,190 --> 00:01:44,399

we're going to

18

00:01:48,789 --> 00:01:47,200

uh turn to the meeting

19

00:01:51,990 --> 00:01:48,799

by proposal of

20

00:01:55,030 --> 00:01:52,000

rse energy and approved

21

00:02:00,469 --> 00:01:55,040

by the general board of designers the

22

00:02:05,350 --> 00:02:02,870

has made the decision to

23

00:02:07,109 --> 00:02:05,360

launch on july 28

24

00:02:09,270 --> 00:02:07,119

to launch soyuz

25

00:02:10,710 --> 00:02:09,280

ms-05

26

00:02:12,309 --> 00:02:10,720

with

27

00:02:14,229 --> 00:02:12,319

crew members to

28

00:02:16,309 --> 00:02:14,239

the iss

29

00:02:18,869 --> 00:02:16,319

and

30

00:02:21,350 --> 00:02:18,879

integrated testing of the launch vehicle

31

00:02:23,589 --> 00:02:21,360

at launch site have been conducted

32

00:02:25,430 --> 00:02:23,599

all activities have been completed and

33

00:02:27,350 --> 00:02:25,440

then

34

00:02:28,949 --> 00:02:27,360

the agenda

35

00:02:31,670 --> 00:02:28,959

the report

36

00:02:34,229 --> 00:02:31,680

of yuri valentinovich lunchikov

37

00:02:36,229 --> 00:02:34,239

on the readiness of crew members and on

38

00:02:37,270 --> 00:02:36,239

his proposal

39

00:02:39,509 --> 00:02:37,280

about

40

00:02:41,350 --> 00:02:39,519

crew members prime and backup crew

41

00:02:43,910 --> 00:02:41,360

members

42

00:02:46,790 --> 00:02:43,920

will take place now please go ahead

43

00:02:46,800 --> 00:02:49,670

i would like to

44

00:02:53,509 --> 00:02:52,390

welcome everyone and the members of the

45

00:02:56,150 --> 00:02:53,519

commission

46

00:02:58,070 --> 00:02:56,160

the prime crew members

47

00:02:59,350 --> 00:02:58,080

the commander brzezonski sergey

48

00:03:02,470 --> 00:02:59,360

nicholevich

49

00:03:07,509 --> 00:03:02,480

flight engineer of increments 5253

50

00:03:10,149 --> 00:03:07,519

bresnik randolph flight engineer of

51
00:03:13,750 --> 00:03:10,159
soyuz and increment 52 commander of

52
00:03:16,710 --> 00:03:13,760
increment 53 paolo nespoli

53
00:03:19,589 --> 00:03:16,720
flight engineer of soyuz and

54
00:03:21,670 --> 00:03:19,599
of increments 5253

55
00:03:23,750 --> 00:03:21,680
alexander misurkin soyuz commander and

56
00:03:24,630 --> 00:03:23,760
flight engineer on the iss mark one day

57
00:03:27,190 --> 00:03:24,640
high

58
00:03:29,030 --> 00:03:27,200
uh flight engineer of soyuz and iss

59
00:03:32,070 --> 00:03:29,040
ander gishikane

60
00:03:34,710 --> 00:03:32,080
flight engineer of soyuz and the iss all

61
00:03:38,630 --> 00:03:34,720
the crew members have completed their

62
00:03:41,750 --> 00:03:38,640
integrated and evaluation simulations

63
00:03:50,550 --> 00:03:41,760

and all crew members

64

00:03:55,589 --> 00:03:53,830

has taken place at gctc we have reviewed

65

00:03:57,750 --> 00:03:55,599

all the results

66

00:04:01,030 --> 00:03:57,760

of the retraining program

67

00:04:05,190 --> 00:04:01,040

and we have decided that

68

00:04:07,589 --> 00:04:05,200

uh crew members of increments 52 and 53

69

00:04:09,110 --> 00:04:07,599

of long duration mission are ready for

70

00:04:11,670 --> 00:04:09,120

space flight

71

00:04:14,630 --> 00:04:11,680

and pre-launch program

72

00:04:18,550 --> 00:04:14,640

is 100 completed and based

73

00:04:21,590 --> 00:04:18,560

uh on the results we suggest that all

74

00:04:23,990 --> 00:04:21,600

crew members be approved

75

00:04:29,270 --> 00:04:24,000

prime crew

76
00:04:33,030 --> 00:04:31,510
flight engineering and the paolo nespoli

77
00:04:34,150 --> 00:04:33,040
flight engineering and then the backup

78
00:04:37,430 --> 00:04:34,160
crew

79
00:04:39,430 --> 00:04:37,440
uh commander mr ken alexander flight

80
00:04:43,110 --> 00:04:39,440
engineer marquande high and flight

81
00:04:45,270 --> 00:04:43,120
engineer nursery guy thank you and

82
00:04:47,830 --> 00:04:45,280
then

83
00:04:50,710 --> 00:04:47,840
sergey rycharamanov will make his

84
00:04:52,710 --> 00:04:50,720
presentation regarding the readiness of

85
00:04:54,310 --> 00:04:52,720
the space vehicle and

86
00:04:57,590 --> 00:04:54,320
readiness for lunch

87
00:05:00,070 --> 00:04:57,600
good afternoon uh the activities on of

88
00:05:01,270 --> 00:05:00,080

the first uh pre-launch day have been

89

00:05:04,310 --> 00:05:01,280
conducted

90

00:05:05,189 --> 00:05:04,320
uh at baikonur there are no comments

91

00:05:06,790 --> 00:05:05,199
and

92

00:05:08,270 --> 00:05:06,800
um

93

00:05:11,110 --> 00:05:08,280
the soyuz

94

00:05:13,270 --> 00:05:11,120
ms-05 spacecraft vehicle is ready for

95

00:05:19,590 --> 00:05:13,280
space flight uh

96

00:05:19,600 --> 00:05:30,390
the decision of the state commission

97

00:05:36,390 --> 00:05:33,590
haven't listened to the proposals

98

00:05:39,830 --> 00:05:36,400
on the prime crew and backup crew and

99

00:05:42,870 --> 00:05:39,840
also uh technical reports uh on the

100

00:05:46,870 --> 00:05:42,880
launch complex readiness the uh state

101
00:05:48,550 --> 00:05:46,880
exam board has decided that

102
00:05:50,710 --> 00:05:48,560
prime crew members

103
00:05:52,710 --> 00:05:50,720
be approved

104
00:05:54,150 --> 00:05:52,720
uh

105
00:05:55,110 --> 00:05:54,160
and the following crew members were

106
00:05:57,749 --> 00:05:55,120
approved

107
00:06:01,029 --> 00:05:57,759
the commander sergey ryazanki ryazanskiy

108
00:06:03,189 --> 00:06:01,039
flight engineer randall breznick and

109
00:06:06,390 --> 00:06:03,199
paolo nespoli flight engineer and then

110
00:06:08,710 --> 00:06:06,400
backup crew mr ken alexander

111
00:06:12,230 --> 00:06:08,720
ross cosmos flight engineer

112
00:06:16,790 --> 00:06:12,240
mark van der hai of nasa and flight

113
00:06:20,309 --> 00:06:16,800

engineer 2 kanai nerishigi of jackson

114

00:06:23,110 --> 00:06:20,319

and then my second statement is that the

115

00:06:27,909 --> 00:06:23,120

preparation of the lunch complex will

116

00:06:32,070 --> 00:06:29,909

and this decision

117

00:06:39,749 --> 00:06:32,080

of the state exam board has been

118

00:06:44,309 --> 00:06:41,189

dear colleagues

119

00:06:45,909 --> 00:06:44,319

this is a very important event

120

00:06:48,469 --> 00:06:45,919

the state

121

00:06:50,950 --> 00:06:48,479

board has approved prime and backup

122

00:06:52,309 --> 00:06:50,960

crews of course i'd like to congratulate

123

00:06:56,550 --> 00:06:52,319

both crews

124

00:07:08,469 --> 00:06:58,710

and then bresnik randolph and paolo

125

00:07:12,870 --> 00:07:10,550

a very challenging

126

00:07:14,629 --> 00:07:12,880

and lengthy

127

00:07:16,469 --> 00:07:14,639

trainings and preparations we have

128

00:07:18,790 --> 00:07:16,479

fulfilled all the requirements of the

129

00:07:21,110 --> 00:07:18,800

programs you have successfully completed

130

00:07:23,670 --> 00:07:21,120

and passed all exams and tests and the

131

00:07:25,189 --> 00:07:23,680

state commission has approved

132

00:07:28,150 --> 00:07:25,199

today and has

133

00:07:30,390 --> 00:07:28,160

you for flights and

134

00:07:32,230 --> 00:07:30,400

has approved

135

00:07:34,390 --> 00:07:32,240

your mission that will start in a day

136

00:07:35,589 --> 00:07:34,400

from now basically i'd like to thank you

137

00:07:37,749 --> 00:07:35,599

for your work

138

00:07:38,550 --> 00:07:37,759

and to thank everyone who took part in

139

00:07:39,749 --> 00:07:38,560

this

140

00:07:41,589 --> 00:07:39,759

work

141

00:07:44,150 --> 00:07:41,599

i'd like to congratulate everyone on

142

00:07:49,670 --> 00:07:44,160

successful work and i'd like to uh wish

143

00:07:55,029 --> 00:07:52,070

and uh

144

00:07:56,869 --> 00:07:55,039

kirk sariman head of uh

145

00:08:00,790 --> 00:07:56,879

guests and colleagues the

146

00:08:02,629 --> 00:08:00,800

isis program of nasa will take over now

147

00:08:04,790 --> 00:08:02,639

and completing all your training

148

00:08:07,189 --> 00:08:04,800

and especially i'd like to uh to

149

00:08:08,869 --> 00:08:07,199

congratulate you for your uh your

150

00:08:10,950 --> 00:08:08,879

adaptability to the changes that have

151

00:08:13,749 --> 00:08:10,960

occurred during your training

152

00:08:16,230 --> 00:08:13,759

alexander mark and uh nyson uh

153

00:08:18,070 --> 00:08:16,240

congratulations on the backup flow um

154

00:08:20,390 --> 00:08:18,080

your time to fly in space will come very

155

00:08:22,150 --> 00:08:20,400

very shortly so uh congratulations and

156

00:08:24,790 --> 00:08:22,160

we'll look forward to uh to your time

157

00:08:27,430 --> 00:08:24,800

very shortly and randy sergey and paulo

158

00:08:29,110 --> 00:08:27,440

uh you're all experienced flyers and and

159

00:08:32,070 --> 00:08:29,120

we look forward to you being in space

160

00:08:33,430 --> 00:08:32,080

very shortly while you're in space

161

00:08:35,670 --> 00:08:33,440

you with your other crewmates will

162

00:08:37,430 --> 00:08:35,680

conduct four spacewalks you'll have

163

00:08:38,870 --> 00:08:37,440

another soyuz visit

164

00:08:41,829 --> 00:08:38,880

one progress

165

00:08:43,509 --> 00:08:41,839

two dragons and one cygnus a visit

166

00:08:46,630 --> 00:08:43,519

while you're there the collective crew

167

00:08:48,870 --> 00:08:46,640

will produce or participate in 330

168

00:08:49,990 --> 00:08:48,880

different investigations

169

00:08:51,590 --> 00:08:50,000

85

170

00:08:53,910 --> 00:08:51,600

which have never occurred on space

171

00:08:56,389 --> 00:08:53,920

station before in addition you'll you'll

172

00:08:58,150 --> 00:08:56,399

be in space and witness something very

173

00:09:00,470 --> 00:08:58,160

very few people have ever witnessed

174

00:09:02,230 --> 00:09:00,480

you'll witness a solar eclipse from the

175

00:09:04,630 --> 00:09:02,240

vantage point of space and actually be

176

00:09:07,269 --> 00:09:04,640

able to see the shadow of the moon cast

177

00:09:10,070 --> 00:09:07,279

on the earth so we wish you a

178

00:09:12,550 --> 00:09:10,080

a very successful mission know that uh

179

00:09:15,030 --> 00:09:12,560

that all the people in this room and the

180

00:09:16,870 --> 00:09:15,040

people back at your various agencies are

181

00:09:20,710 --> 00:09:16,880

behind you and working very hard to make

182

00:09:33,670 --> 00:09:20,720

you successful all the best so

183

00:09:38,230 --> 00:09:36,630

good afternoon to you all and uh i like

184

00:09:40,630 --> 00:09:38,240

to join uh

185

00:09:42,550 --> 00:09:40,640

uh my colleagues who preceded me in

186

00:09:45,910 --> 00:09:42,560

congratulating the crew the prime crew

187

00:09:48,310 --> 00:09:47,110

which

188

00:09:49,829 --> 00:09:48,320

led to this

189

00:09:52,949 --> 00:09:49,839

successful successful

190

00:09:56,710 --> 00:09:52,959

decision by the state commission

191

00:09:59,269 --> 00:09:56,720

i would like to thank all of the

192

00:10:00,470 --> 00:09:59,279

people who worked with you in order to

193

00:10:03,509 --> 00:10:00,480

make

194

00:10:05,910 --> 00:10:03,519

this ready and to come to this

195

00:10:07,509 --> 00:10:05,920

moment and most of all to make your

196

00:10:13,590 --> 00:10:07,519

mission

197

00:10:18,630 --> 00:10:15,910

from an easel standpoint i'd like to

198

00:10:20,389 --> 00:10:18,640

also extend our thanks to azi who has

199

00:10:21,670 --> 00:10:20,399

been a very important partner and of

200

00:10:23,990 --> 00:10:21,680

course is in the frame of the

201
00:10:25,990 --> 00:10:24,000
partnership between us and us that we

202
00:10:28,470 --> 00:10:26,000
get this flight opportunity for one of

203
00:10:30,389 --> 00:10:28,480
our astronauts uh and i think this is

204
00:10:32,470 --> 00:10:30,399
going to be a very important mission as

205
00:10:34,230 --> 00:10:32,480
underlying for the science the

206
00:10:35,030 --> 00:10:34,240
technology and the

207
00:10:37,430 --> 00:10:35,040
uh

208
00:10:39,110 --> 00:10:37,440
work that you will be performing on the

209
00:10:41,110 --> 00:10:39,120
space station itself and this is very

210
00:10:43,910 --> 00:10:41,120
important for all of us i like to

211
00:10:47,590 --> 00:10:43,920
confirm as well that auto visa and ozzie

212
00:10:48,870 --> 00:10:47,600
are standing behind you on this mission

213
00:10:51,509 --> 00:10:48,880

and

214

00:10:55,269 --> 00:10:51,519

let me conclude by wishing you buona

215

00:10:57,110 --> 00:10:55,279

fortuna in italian in boca lupo i'm sure

216

00:10:58,630 --> 00:10:57,120

this would be a great mission thank you

217

00:11:12,230 --> 00:10:58,640

very much

218

00:11:15,829 --> 00:11:13,670

i'd like to congratulate you on

219

00:11:19,350 --> 00:11:15,839

successful completion

220

00:11:22,069 --> 00:11:19,360

of a very uh challenging

221

00:11:25,990 --> 00:11:22,079

stage of training and hopefully

222

00:11:27,910 --> 00:11:26,000

backup crew will also fly shortly in a

223

00:11:30,870 --> 00:11:27,920

few months from now and i'd like to

224

00:11:33,269 --> 00:11:30,880

assure you that

225

00:11:36,150 --> 00:11:33,279

the preparation of the launch vehicle

226
00:11:38,310 --> 00:11:36,160
and the launch site is in progress and

227
00:11:41,030 --> 00:11:38,320
it is on schedule

228
00:11:42,389 --> 00:11:41,040
and we're confident that your flight

229
00:11:44,150 --> 00:11:42,399
will be successful

230
00:11:45,990 --> 00:11:44,160
and of course i'd like to

231
00:11:48,150 --> 00:11:46,000
wish you a very

232
00:11:49,670 --> 00:11:48,160
successful launch

233
00:11:52,629 --> 00:11:49,680
and

234
00:11:54,710 --> 00:11:52,639
good luck with your activities aboard

235
00:11:56,310 --> 00:11:54,720
the iss

236
00:11:58,949 --> 00:11:56,320
and the good luck and completion of your

237
00:12:00,790 --> 00:11:58,959
challenging assignments on the iss and

238
00:12:02,870 --> 00:12:00,800

of course the soft landing federal

239

00:12:04,870 --> 00:12:02,880

chicken is telling me that everything is

240

00:12:07,350 --> 00:12:04,880

in order on the station and make sure

241

00:12:08,389 --> 00:12:07,360

that you keep it that way good luck and

242

00:12:11,269 --> 00:12:08,399

we'll be

243

00:12:13,269 --> 00:12:11,279

waiting for you to return the deputy of

244

00:12:14,629 --> 00:12:13,279

the federal medical and biological

245

00:12:20,470 --> 00:12:14,639

agency

246

00:12:26,470 --> 00:12:22,389

members of the prime crew and backup

247

00:12:27,829 --> 00:12:26,480

crew of course i would like to uh

248

00:12:30,150 --> 00:12:27,839

pass

249

00:12:31,829 --> 00:12:30,160

greetings from all the medical personnel

250

00:12:34,870 --> 00:12:31,839

who took part

251
00:12:37,509 --> 00:12:34,880
uh in your training and your preparation

252
00:12:39,590 --> 00:12:37,519
and of course your feed for flight your

253
00:12:42,150 --> 00:12:39,600
health

254
00:12:44,069 --> 00:12:42,160
will allow you to fulfill all objectives

255
00:12:45,829 --> 00:12:44,079
and the syrus of course you are special

256
00:12:49,269 --> 00:12:45,839
for us

257
00:12:50,710 --> 00:12:49,279
if you don't know his grandfather

258
00:12:52,870 --> 00:12:50,720
was a

259
00:12:53,990 --> 00:12:52,880
chief designer under sergey palivich

260
00:12:55,269 --> 00:12:54,000
korolov

261
00:12:56,470 --> 00:12:55,279
and so

262
00:12:59,509 --> 00:12:56,480
he

263
00:13:00,470 --> 00:12:59,519

graduated from moscow state university

264

00:13:02,629 --> 00:13:00,480

from

265

00:13:04,069 --> 00:13:02,639

the faculty of medicine this is his

266

00:13:05,110 --> 00:13:04,079

second flight

267

00:13:07,430 --> 00:13:05,120

and

268

00:13:10,550 --> 00:13:07,440

we hope that sergey

269

00:13:12,069 --> 00:13:10,560

after your second flight you will

270

00:13:14,629 --> 00:13:12,079

start

271

00:13:17,110 --> 00:13:14,639

working in the field of science

272

00:13:19,829 --> 00:13:17,120

and directly we just heard that there

273

00:13:21,910 --> 00:13:19,839

will be eight experiments on the iss and

274

00:13:25,030 --> 00:13:21,920

of course you're the one to continue

275

00:13:27,269 --> 00:13:25,040

this work here paolo you're um veteran

276

00:13:29,430 --> 00:13:27,279

here at baikonur we remember you we know

277

00:13:32,470 --> 00:13:29,440

you well

278

00:13:35,590 --> 00:13:32,480

we know yuri valentinovich has mentioned

279

00:13:36,710 --> 00:13:35,600

that your professional knowledge is

280

00:13:38,949 --> 00:13:36,720

excellent

281

00:13:41,750 --> 00:13:38,959

the same goes for end dolph and i'd like

282

00:13:43,269 --> 00:13:41,760

to wish you all the best

283

00:13:45,910 --> 00:13:43,279

and then um

284

00:13:46,829 --> 00:13:45,920

my words of consolation for

285

00:13:49,350 --> 00:13:46,839

the

286

00:13:53,590 --> 00:13:49,360

backup your mission

287

00:13:56,069 --> 00:13:53,600

right now is very important is to um

288

00:13:57,189 --> 00:13:56,079

ensure psychological stability so to

289

00:13:58,949 --> 00:13:57,199

speaking for

290

00:14:01,030 --> 00:13:58,959

the prime crew

291

00:14:02,790 --> 00:14:01,040

so once again i would like to

292

00:14:06,389 --> 00:14:02,800

wish you good luck you'll be successful

293

00:14:07,790 --> 00:14:06,399

knowing of your endeavors

294

00:14:10,629 --> 00:14:07,800

so use

295

00:14:13,829 --> 00:14:10,639

ms-05 spacecraft commander we'll take

296

00:14:16,470 --> 00:14:13,839

the floor now uh sergey ryazanskiy

297

00:14:17,590 --> 00:14:16,480

dear friends and their members of the

298

00:14:19,430 --> 00:14:17,600

board

299

00:14:21,750 --> 00:14:19,440

first of all i would like to thank you

300

00:14:24,710 --> 00:14:22,870

my heart

301
00:14:26,790 --> 00:14:24,720
and i would like to thank all the

302
00:14:28,069 --> 00:14:26,800
specialists who have been working with

303
00:14:30,389 --> 00:14:28,079
us

304
00:14:31,990 --> 00:14:30,399
who made sure that we're healthy

305
00:14:33,670 --> 00:14:32,000
all the specialists who share their

306
00:14:37,269 --> 00:14:33,680
knowledge their skills

307
00:14:41,350 --> 00:14:38,710
training center

308
00:14:43,750 --> 00:14:41,360
specialists from rsc

309
00:14:47,509 --> 00:14:43,760
and specialist working here at baikonur

310
00:14:49,590 --> 00:14:47,519
of course this flight will be

311
00:14:52,470 --> 00:14:49,600
very exciting we'll have a busy

312
00:14:53,750 --> 00:14:52,480
challenging schedule and of course

313
00:14:55,910 --> 00:14:53,760

we

314

00:14:59,030 --> 00:14:55,920

are optimistic about upcoming flights

315

00:15:00,790 --> 00:14:59,040

and we are ready for space flight

316

00:15:02,389 --> 00:15:00,800

flight engineer

317

00:15:05,990 --> 00:15:02,399

uh of soyuz

318

00:15:08,870 --> 00:15:06,000

ms-05 randall bresnik

319

00:15:10,710 --> 00:15:08,880

well of course only thanks to

320

00:15:12,550 --> 00:15:10,720

our joint work

321

00:15:15,350 --> 00:15:12,560

and the professionalism

322

00:15:17,990 --> 00:15:15,360

professionalism we are ready and let's

323

00:15:18,000 --> 00:15:22,790

flight engineer too

324

00:15:29,430 --> 00:15:26,069

esteemed members of the state exam board

325

00:15:32,230 --> 00:15:29,440

i only have two words for you thank you

326

00:15:35,189 --> 00:15:32,240

thank you thank you very much and i'd

327

00:15:37,110 --> 00:15:35,199

like to thank russ cosmos and the nergie

328

00:15:38,790 --> 00:15:37,120

and mcc moscow

329

00:15:41,990 --> 00:15:38,800

because michigan

330

00:15:43,990 --> 00:15:42,000

against italian space agency and the

331

00:15:45,590 --> 00:15:44,000

european space agency

332

00:15:47,910 --> 00:15:45,600

as well as nasa

333

00:15:51,990 --> 00:15:47,920

and all specialists who have been

334

00:15:55,910 --> 00:15:52,000

working for our benefit thank you and as

335

00:15:59,189 --> 00:15:55,920

randy has said let's go finally

336

00:16:00,550 --> 00:15:59,199

alexander misurkin commander of uh

337

00:16:02,550 --> 00:16:00,560

backup group

338

00:16:15,269 --> 00:16:02,560

good afternoon uh the members of the

339

00:16:19,350 --> 00:16:16,389

and

340

00:16:21,269 --> 00:16:19,360

also the backup crew members

341

00:16:23,829 --> 00:16:21,279

are ready for flight

342

00:16:26,150 --> 00:16:23,839

mark vande high flight engineer of

343

00:16:28,230 --> 00:16:26,160

backup crew dear members of the

344

00:16:29,670 --> 00:16:28,240

commission dear friends

345

00:16:31,030 --> 00:16:29,680

thank you for

346

00:16:31,910 --> 00:16:31,040

uh

347

00:16:49,269 --> 00:16:31,920

your

348

00:16:54,949 --> 00:16:51,110

it is my pleasure to be working with

349

00:16:58,870 --> 00:16:54,959

such astronauts and cosmonauts this is

350

00:17:00,710 --> 00:16:58,880

excellent experience for me thank you

351

00:17:02,710 --> 00:17:00,720

sergey paolo

352

00:17:04,150 --> 00:17:02,720

randolph

353

00:17:06,870 --> 00:17:04,160

i would like to congratulate you on

354

00:17:10,069 --> 00:17:06,880

behalf of state exam board

355

00:17:13,270 --> 00:17:10,079

you are assigned as a prime crew of

356

00:17:16,390 --> 00:17:13,280

soyuz ms-05 we would like to wish a

357

00:17:19,829 --> 00:17:16,400

successful launch successful mission and

358

00:17:22,630 --> 00:17:19,839

we're waiting for you here on earth and

359

00:17:25,500 --> 00:17:22,640

this completes the session of state exam

360

00:17:38,470 --> 00:17:25,510

board thank you very much

361

00:17:42,150 --> 00:17:40,470

good afternoon dear colleagues and

362

00:17:42,870 --> 00:17:42,160

friends

363

00:17:45,430 --> 00:17:42,880

the

364

00:17:48,390 --> 00:17:45,440

meeting of state exam board has just

365

00:17:51,750 --> 00:17:48,400

ended and the prime and backup crews

366

00:17:55,110 --> 00:17:51,760

have been approved for a flight

367

00:17:57,190 --> 00:17:55,120

crews of increments 5253

368

00:18:01,830 --> 00:17:57,200

and the launch of soyuz zero five

369

00:18:03,990 --> 00:18:01,840

spacecraft is scheduled on july 28th

370

00:18:05,669 --> 00:18:04,000

good evening dear colleagues the st at

371

00:18:09,590 --> 00:18:05,679

21.41

372

00:18:12,549 --> 00:18:09,600

local time the crew members of the 52nd

373

00:18:14,950 --> 00:18:12,559

53rd long duration mission to the iss

374

00:18:19,190 --> 00:18:14,960

launch of soyuz semester 5 man transport

375

00:18:23,029 --> 00:18:19,200

week was scheduled on july 28 2017 at 21

376

00:18:30,230 --> 00:18:25,270

and allow me to introduce the members of

377

00:18:32,870 --> 00:18:30,240

the prime crew commander of soyuz ms-05

378

00:18:35,669 --> 00:18:32,880

spacecraft

379

00:18:37,669 --> 00:18:35,679

and um commander and flight engineer of

380

00:18:41,110 --> 00:18:37,679

increments 52-53

381

00:18:46,230 --> 00:18:41,120

sergey ryazanskiy ross cosmos russia is

382

00:18:48,630 --> 00:18:46,240

5253 sergey ryazanskiy roscosmos russia

383

00:18:51,990 --> 00:18:48,640

flight engineer one of soyuz and flight

384

00:18:56,310 --> 00:18:52,000

engineer of increment 52 commander of

385

00:18:58,390 --> 00:18:56,320

increment 53 randall bresnik of nasa

386

00:19:00,870 --> 00:18:58,400

flight engineer of the international

387

00:19:04,950 --> 00:19:00,880

space station 52 commander of the isis

388

00:19:07,430 --> 00:19:04,960

53 randall bresnik nasa usa

389

00:19:10,950 --> 00:19:07,440

engineer and flight engineer 2 of soyuz

390

00:19:13,510 --> 00:19:10,960

and flight engineer of increments 5253

391

00:19:15,310 --> 00:19:13,520

to the iss paolo nespoli

392

00:19:19,470 --> 00:19:15,320

of esa italy

393

00:19:21,150 --> 00:19:19,480

5253 paolo nespoli esa italy

394

00:19:22,830 --> 00:19:21,160

dublin

395

00:19:25,110 --> 00:19:22,840

backup

396

00:19:27,270 --> 00:19:25,120

engineering alexander soyuz commander

397

00:19:29,669 --> 00:19:27,280

and flight engineer of the iss alexander

398

00:19:32,150 --> 00:19:29,679

misurkin roscosmos russia engineer of

399

00:19:33,110 --> 00:19:32,160

the iss alexander missouri and roscosmos

400

00:19:35,430 --> 00:19:33,120

russia

401
00:19:39,190 --> 00:19:35,440
board engineering flight engineer of

402
00:19:41,990 --> 00:19:39,200
soyuz and flight engineer of the iss

403
00:19:44,390 --> 00:19:42,000
mark wenzel high of nasa usa

404
00:19:46,710 --> 00:19:44,400
iss flight engineer mark wonder high

405
00:19:49,190 --> 00:19:46,720
nurse usa

406
00:19:52,390 --> 00:19:49,200
board engineer flight engineer 2 of

407
00:19:53,830 --> 00:19:52,400
soyuz and flight engineer of the iss

408
00:19:55,350 --> 00:19:53,840
nourishing

409
00:19:59,830 --> 00:19:55,360
of jaxa

410
00:20:02,310 --> 00:19:59,840
japan flight engineer of the isis

411
00:20:08,070 --> 00:20:04,830
dear friends we're ready to start our

412
00:20:10,149 --> 00:20:08,080
conference please introduce yourselves

413
00:20:18,310 --> 00:20:10,159

and state where you're from

414

00:20:22,470 --> 00:20:19,029

so

415

00:20:25,190 --> 00:20:22,480

this time there are a lot of tourists at

416

00:20:27,510 --> 00:20:25,200

baikonur i think we've had a record this

417

00:20:31,190 --> 00:20:27,520

year so with that

418

00:20:32,789 --> 00:20:31,200

does mass tourism to baikonur help

419

00:20:34,070 --> 00:20:32,799

cosmonauts

420

00:20:36,950 --> 00:20:34,080

to

421

00:20:37,830 --> 00:20:36,960

do you think this should be promoted

422

00:20:40,549 --> 00:20:37,840

well

423

00:20:43,909 --> 00:20:40,559

i think that this is necessary and i'm

424

00:20:50,789 --> 00:20:43,919

happy that this time

425

00:20:54,070 --> 00:20:52,710

i think that in order to promote space

426

00:20:56,070 --> 00:20:54,080

flight

427

00:21:01,270 --> 00:20:56,080

it is necessary that students high

428

00:21:05,590 --> 00:21:03,830

can make it here to baikonur i have

429

00:21:08,470 --> 00:21:05,600

discussed it with head of russian space

430

00:21:09,270 --> 00:21:08,480

agency and he fully supports

431

00:21:12,470 --> 00:21:09,280

uh

432

00:21:14,470 --> 00:21:12,480

these activities and i think it will be

433

00:21:17,990 --> 00:21:14,480

widely available in the future question

434

00:21:22,870 --> 00:21:18,000

to paolo nespoli italy is

435

00:21:25,110 --> 00:21:22,880

a country of great works of art so um

436

00:21:26,470 --> 00:21:25,120

artists from australia are here at

437

00:21:28,310 --> 00:21:26,480

baikonur

438

00:21:31,510 --> 00:21:28,320

who support you are here and there's an

439

00:21:33,750 --> 00:21:31,520

interesting project space

440

00:21:35,510 --> 00:21:33,760

if i could here could you please

441

00:21:37,669 --> 00:21:35,520

share your thoughts about it space

442

00:21:40,149 --> 00:21:37,679

streets a project uh joint project

443

00:21:42,630 --> 00:21:40,159

between the italian space agency and the

444

00:21:45,270 --> 00:21:42,640

european space agency and the

445

00:21:47,669 --> 00:21:45,280

famous italian artist michelangelo

446

00:21:49,510 --> 00:21:47,679

pistoletto he designed

447

00:21:52,950 --> 00:21:49,520

a symbol which is the one that i have on

448

00:21:55,830 --> 00:21:52,960

my right hand here which represents

449

00:21:58,950 --> 00:21:55,840

the third paradise the third paradise is

450

00:22:00,149 --> 00:21:58,960

a protected area where things can happen

451
00:22:02,710 --> 00:22:00,159
because

452
00:22:04,310 --> 00:22:02,720
it's protected it's a haven and it's

453
00:22:07,669 --> 00:22:04,320
this

454
00:22:09,750 --> 00:22:07,679
paradise there are two extremes which

455
00:22:11,510 --> 00:22:09,760
actually work together to protect at the

456
00:22:12,710 --> 00:22:11,520
center and what we put in the two

457
00:22:15,270 --> 00:22:12,720
streams is

458
00:22:17,190 --> 00:22:15,280
science in one side and education in the

459
00:22:18,310 --> 00:22:17,200
other side and in the middle they put

460
00:22:20,390 --> 00:22:18,320
the earth

461
00:22:22,149 --> 00:22:20,400
so in this project uh i will take

462
00:22:26,470 --> 00:22:22,159
pictures on space

463
00:22:28,789 --> 00:22:26,480

through an application on the on the um

464

00:22:30,870 --> 00:22:28,799

on the

465

00:22:33,669 --> 00:22:30,880

smartphone people would be able to take

466

00:22:35,830 --> 00:22:33,679

pictures and join them and they will

467

00:22:37,029 --> 00:22:35,840

produce a gigantic

468

00:22:39,029 --> 00:22:37,039

mosaic

469

00:22:41,270 --> 00:22:39,039

that should

470

00:22:42,390 --> 00:22:41,280

focus the attention on education

471

00:22:45,270 --> 00:22:42,400

earth

472

00:22:48,149 --> 00:22:45,280

and also our understanding of space and

473

00:22:52,470 --> 00:22:50,549

rob navies with nasa television two

474

00:22:53,590 --> 00:22:52,480

questions for randy bresnik randy first

475

00:22:55,190 --> 00:22:53,600

of all

476
00:22:57,110 --> 00:22:55,200
you guys are an experienced crew but

477
00:22:59,190 --> 00:22:57,120
you're launching into a very daunting

478
00:23:01,270 --> 00:22:59,200
time frame of operational and scientific

479
00:23:02,710 --> 00:23:01,280
research activities

480
00:23:04,549 --> 00:23:02,720
what do you intend to do to try to

481
00:23:05,990 --> 00:23:04,559
mitigate that and what is the importance

482
00:23:07,909 --> 00:23:06,000
of the extra

483
00:23:11,350 --> 00:23:07,919
crew member for the u.s segment that

484
00:23:13,029 --> 00:23:11,360
will help you face those challenges

485
00:23:15,510 --> 00:23:13,039
we're launching into a crew that's been

486
00:23:18,789 --> 00:23:15,520
up there by themselves for 57 days

487
00:23:20,310 --> 00:23:18,799
fyodor yurchikhin peggy whitson and jack

488
00:23:22,549 --> 00:23:20,320

fisher

489

00:23:24,710 --> 00:23:22,559

okay they uh

490

00:23:27,350 --> 00:23:24,720

they've got their groove on they are

491

00:23:30,149 --> 00:23:27,360

very working very very well they have a

492

00:23:32,070 --> 00:23:30,159

very good uh technique and tempo uh that

493

00:23:33,669 --> 00:23:32,080

they are operating under and we're gonna

494

00:23:35,430 --> 00:23:33,679

go up there and join them and we're

495

00:23:36,789 --> 00:23:35,440

there to add to what they're doing not

496

00:23:38,390 --> 00:23:36,799

change anything that they're doing and

497

00:23:40,470 --> 00:23:38,400

so we've got a time where we're going to

498

00:23:45,350 --> 00:23:40,480

jump in and join the team

499

00:23:45,360 --> 00:23:48,070

okay

500

00:23:52,070 --> 00:23:50,149

then once they leave the beginning of

501
00:23:53,909 --> 00:23:52,080
september we'll be joined by two of

502
00:23:55,750 --> 00:23:53,919
these three nemo have to wait for

503
00:23:57,750 --> 00:23:55,760
december um

504
00:23:58,789 --> 00:23:57,760
but joe acaba is going to join them and

505
00:24:00,310 --> 00:23:58,799
we've had the opportunity to get

506
00:24:02,310 --> 00:24:00,320
together and train uh these last few

507
00:24:03,909 --> 00:24:02,320
months um and

508
00:24:05,190 --> 00:24:03,919
the big thing is that we're gonna have

509
00:24:07,190 --> 00:24:05,200
like with peggy and two fish we have

510
00:24:08,669 --> 00:24:07,200
four us os crew members

511
00:24:12,070 --> 00:24:08,679
and with over

512
00:24:15,110 --> 00:24:12,080
330 possible experiments over which 85

513
00:24:17,350 --> 00:24:15,120

are new to the space station right now

514

00:24:19,269 --> 00:24:17,360

there is a ton of science for us to do

515

00:24:20,789 --> 00:24:19,279

and with that extra crew member we're

516

00:24:22,070 --> 00:24:20,799

going to have a lot more opportunity to

517

00:24:23,029 --> 00:24:22,080

not only do the science but we're also

518

00:24:25,190 --> 00:24:23,039

going to have an opportunity to do

519

00:24:27,510 --> 00:24:25,200

repairs on the station we've got evas

520

00:24:30,870 --> 00:24:27,520

that are planned and so we think the

521

00:24:33,029 --> 00:24:30,880

productivity of this huge laboratory up

522

00:24:35,190 --> 00:24:33,039

in space that's there for humankind will

523

00:24:37,750 --> 00:24:35,200

really go up quite a bit um having the

524

00:24:40,070 --> 00:24:37,760

four crew members

525

00:24:42,390 --> 00:24:40,080

and randy october 4th marks the 60th

526
00:24:43,350 --> 00:24:42,400
anniversary of the launch of sputnik

527
00:24:45,990 --> 00:24:43,360
that

528
00:24:47,510 --> 00:24:46,000
inaugurated the year of space flight

529
00:24:48,870 --> 00:24:47,520
that launch occurred from the same

530
00:24:51,269 --> 00:24:48,880
launch pad that you guys will be

531
00:24:52,549 --> 00:24:51,279
rocketing away from on friday night your

532
00:24:54,390 --> 00:24:52,559
thoughts on

533
00:24:57,669 --> 00:24:54,400
how that launch changed the world and

534
00:25:00,070 --> 00:24:57,679
how far we've come in 60 years

535
00:25:02,390 --> 00:25:00,080
so 60 years ago human beings looked up

536
00:25:05,029 --> 00:25:02,400
to the sky and beyond the realm of

537
00:25:06,390 --> 00:25:05,039
balloons and airplanes now we had

538
00:25:08,950 --> 00:25:06,400

satellites

539

00:25:10,310 --> 00:25:08,960

and shortly after that we had the first

540

00:25:11,830 --> 00:25:10,320

launch of the first human being off the

541

00:25:13,830 --> 00:25:11,840

same launch pad we're launching off of

542

00:25:15,110 --> 00:25:13,840

as well and now we have the first human

543

00:25:17,350 --> 00:25:15,120

being up there

544

00:25:19,909 --> 00:25:17,360

and since then look at what human beings

545

00:25:23,110 --> 00:25:19,919

have done and we put human beings you

546

00:25:24,950 --> 00:25:23,120

know on the surface of the moon as well

547

00:25:26,630 --> 00:25:24,960

the entirety of what we've accomplished

548

00:25:29,510 --> 00:25:26,640

as human beings in just those short 60

549

00:25:31,830 --> 00:25:29,520

years is amazing and we look at this

550

00:25:34,070 --> 00:25:31,840

national laboratory and the size of

551
00:25:36,630 --> 00:25:34,080
scope of the international space station

552
00:25:38,390 --> 00:25:36,640
something that in the future i think

553
00:25:39,909 --> 00:25:38,400
historians will look at is the greatest

554
00:25:42,710 --> 00:25:39,919
technological achievement in the history

555
00:25:44,390 --> 00:25:42,720
of humankind to this point

556
00:25:46,950 --> 00:25:44,400
and the fact that we did it together in

557
00:25:49,029 --> 00:25:46,960
an international team is what makes the

558
00:25:50,789 --> 00:25:49,039
difference if we could

559
00:25:52,149 --> 00:25:50,799
use the international space station and

560
00:25:54,830 --> 00:25:52,159
the cooperation between all the

561
00:25:57,029 --> 00:25:54,840
different countries and agencies and

562
00:25:58,950 --> 00:25:57,039
teams uh as an example for the way to

563
00:26:00,630 --> 00:25:58,960

operate around the world then maybe the

564

00:26:03,350 --> 00:26:00,640

world would be a better place and so we

565

00:26:05,990 --> 00:26:03,360

hope to be on station uh to show people

566

00:26:07,510 --> 00:26:06,000

what we can do and show also the beauty

567

00:26:10,310 --> 00:26:07,520

of the planet that it is that we live on

568

00:26:11,430 --> 00:26:10,320

that we need to go ahead and preserve

569

00:26:14,310 --> 00:26:11,440

the tv

570

00:26:17,110 --> 00:26:14,320

a question for paulo in fact we are so

571

00:26:18,789 --> 00:26:17,120

impressed about this 60 years of sputnik

572

00:26:20,789 --> 00:26:18,799

that i wanted to have your opinion on

573

00:26:22,830 --> 00:26:20,799

that one and especially since you're

574

00:26:25,990 --> 00:26:22,840

only also turning

575

00:26:29,110 --> 00:26:26,000

60. well dominic the

576

00:26:31,669 --> 00:26:29,120

year 1957 was a very important year as

577

00:26:34,149 --> 00:26:31,679

you know he also was born in 57 so but

578

00:26:36,390 --> 00:26:34,159

it was a moment after world war ii when

579

00:26:39,190 --> 00:26:36,400

there was a lot of fight in the world

580

00:26:40,549 --> 00:26:39,200

where people started looking outside and

581

00:26:44,549 --> 00:26:40,559

putting together

582

00:26:47,750 --> 00:26:44,559

technology science and tried to expand

583

00:26:49,590 --> 00:26:47,760

the capabilities of human beings and

584

00:26:52,390 --> 00:26:49,600

space seemed to be

585

00:26:55,350 --> 00:26:52,400

close enough that we could try

586

00:26:57,350 --> 00:26:55,360

as randy said in this 60 years we have

587

00:27:00,310 --> 00:26:57,360

accomplished a lot of things we have

588

00:27:02,390 --> 00:27:00,320

sent satellite expanded satellite today

589

00:27:04,390 --> 00:27:02,400

without satellites

590

00:27:06,470 --> 00:27:04,400

it would be very difficult to do what we

591

00:27:09,269 --> 00:27:06,480

do and then of course we started the

592

00:27:12,149 --> 00:27:09,279

exploration with robots in space and

593

00:27:14,870 --> 00:27:12,159

astronauts and pretty much soon

594

00:27:17,350 --> 00:27:14,880

we will have tourists in space and also

595

00:27:22,610 --> 00:27:17,360

we will look at other planets like going

596

00:27:27,350 --> 00:27:24,950

[Music]

597

00:27:29,510 --> 00:27:27,360

tv studio question for sergey ryazanskiy

598

00:27:32,230 --> 00:27:29,520

sergey you have mentioned that school

599

00:27:34,630 --> 00:27:32,240

students are here at baikonur but not

600

00:27:37,590 --> 00:27:34,640

everyone here knows that

601
00:27:39,830 --> 00:27:37,600
several hours ago about 100

602
00:27:43,269 --> 00:27:39,840
children from schools from all over

603
00:27:45,350 --> 00:27:43,279
russia were here and you were answering

604
00:27:48,230 --> 00:27:45,360
their questions why did you decide to

605
00:27:50,149 --> 00:27:48,240
become chairman of this association of

606
00:27:53,190 --> 00:27:50,159
school students of russia

607
00:27:55,510 --> 00:27:53,200
and you did find time to talk to them

608
00:27:57,590 --> 00:27:55,520
even during your pre-launch training

609
00:28:08,310 --> 00:27:57,600
despite the busy schedule well thank you

610
00:28:13,269 --> 00:28:10,950
so part of this job is to share

611
00:28:18,549 --> 00:28:15,350
experience of space flight with the

612
00:28:22,630 --> 00:28:18,559
children we meet with them we talk about

613
00:28:24,710 --> 00:28:22,640

space flight about our training etc and

614

00:28:27,029 --> 00:28:24,720

uh when you meet with the children and

615

00:28:27,909 --> 00:28:27,039

you uh ask them

616

00:28:33,190 --> 00:28:27,919

what

617

00:28:35,510 --> 00:28:33,200

are your goals and it is

618

00:28:36,549 --> 00:28:35,520

sad when they tell you that they don't

619

00:28:37,909 --> 00:28:36,559

know

620

00:28:40,070 --> 00:28:37,919

and

621

00:28:42,950 --> 00:28:40,080

we live in a world where information is

622

00:28:45,190 --> 00:28:42,960

widely available and i think that

623

00:28:47,269 --> 00:28:45,200

children are supposed to

624

00:28:49,110 --> 00:28:47,279

uh receive the information that's

625

00:28:50,310 --> 00:28:49,120

interesting

626
00:28:52,710 --> 00:28:50,320
for them

627
00:28:55,269 --> 00:28:52,720
very easily however it turns out that it

628
00:28:57,110 --> 00:28:55,279
is hard to for them to um

629
00:29:00,389 --> 00:28:57,120
pick out what they want sometimes they

630
00:29:03,510 --> 00:29:00,399
just can't do it sometimes parents

631
00:29:06,310 --> 00:29:03,520
should help etc so um

632
00:29:08,310 --> 00:29:06,320
with this first of all we would like to

633
00:29:11,350 --> 00:29:08,320
make the lives of children more

634
00:29:12,789 --> 00:29:11,360
interesting we must participate in

635
00:29:15,350 --> 00:29:12,799
volunteering

636
00:29:17,750 --> 00:29:15,360
projects in projects related to ecology

637
00:29:19,350 --> 00:29:17,760
and we would like to uh explain it to

638
00:29:21,190 --> 00:29:19,360

them that this is great to take care of

639

00:29:23,190 --> 00:29:21,200

your country of

640

00:29:28,389 --> 00:29:23,200

your planets of your neighbors and

641

00:29:33,590 --> 00:29:30,549

the personal development

642

00:29:34,630 --> 00:29:33,600

areas so this is promotion of science

643

00:29:36,389 --> 00:29:34,640

then

644

00:29:41,510 --> 00:29:36,399

and engineering

645

00:29:45,430 --> 00:29:43,430

figure out what they want in terms of

646

00:29:47,269 --> 00:29:45,440

profession and of course sometimes

647

00:29:49,669 --> 00:29:47,279

parents

648

00:29:52,389 --> 00:29:49,679

help their children and they're able to

649

00:29:55,110 --> 00:29:52,399

do it perfectly fine but sometimes

650

00:29:56,630 --> 00:29:55,120

children from small towns from the

651
00:29:59,430 --> 00:29:56,640
countryside

652
00:30:01,990 --> 00:29:59,440
finally uh they have a chance to

653
00:30:05,350 --> 00:30:02,000
travel here to baikonur

654
00:30:08,870 --> 00:30:07,300
summer we have had

655
00:30:11,750 --> 00:30:08,880
[Music]

656
00:30:17,029 --> 00:30:14,389
volunteers working here non-stop

657
00:30:19,909 --> 00:30:17,039
and the children that are successful in

658
00:30:23,510 --> 00:30:19,919
various disciplines come here

659
00:30:28,950 --> 00:30:23,520
and for example young ecologists

660
00:30:33,590 --> 00:30:31,510
my schoolmates from the biological

661
00:30:36,470 --> 00:30:33,600
department of the moscow state

662
00:30:38,549 --> 00:30:36,480
university were here to help

663
00:30:39,830 --> 00:30:38,559

teaching they were teaching children

664

00:30:41,669 --> 00:30:39,840

then

665

00:30:43,669 --> 00:30:41,679

in the fall we're going to have the

666

00:30:46,549 --> 00:30:43,679

space flight session so to speak it will

667

00:30:48,870 --> 00:30:46,559

take place in various camps all over the

668

00:30:50,470 --> 00:30:48,880

country so overall i think that this

669

00:30:51,590 --> 00:30:50,480

direction is

670

00:30:52,630 --> 00:30:51,600

great

671

00:30:57,750 --> 00:30:52,640

and

672

00:31:01,029 --> 00:30:57,760

i'm glad that we were able to invite all

673

00:31:03,350 --> 00:31:01,039

children here and the children who are

674

00:31:05,190 --> 00:31:03,360

here they are winners of various

675

00:31:07,430 --> 00:31:05,200

competitions and they represent

676
00:31:08,870 --> 00:31:07,440
different regions of our country which

677
00:31:11,350 --> 00:31:08,880
is wonderful

678
00:31:12,630 --> 00:31:11,360
thank you anna korbatova

679
00:31:14,630 --> 00:31:12,640
channel one

680
00:31:17,110 --> 00:31:14,640
question for sergey ryazanskiy there

681
00:31:18,950 --> 00:31:17,120
will be two parts of the questions first

682
00:31:21,430 --> 00:31:18,960
part is regarding the experiments that

683
00:31:23,509 --> 00:31:21,440
you're going to conduct on the station

684
00:31:26,149 --> 00:31:23,519
in my brochure it states that you're

685
00:31:27,750 --> 00:31:26,159
going to have 50 experience but your

686
00:31:31,110 --> 00:31:27,760
colleague has just mentioned that there

687
00:31:33,590 --> 00:31:31,120
will be 335 experience and 85

688
00:31:34,789 --> 00:31:33,600

of them are unique so which experiments

689

00:31:37,830 --> 00:31:34,799

are unique

690

00:31:40,710 --> 00:31:37,840

and why well it is always challenging to

691

00:31:42,710 --> 00:31:40,720

answer such questions for some reason

692

00:31:43,990 --> 00:31:42,720

journalists

693

00:31:45,750 --> 00:31:44,000

think that

694

00:31:47,830 --> 00:31:45,760

crew members are supposed to have their

695

00:31:51,110 --> 00:31:47,840

favorite experiment but my favorite

696

00:31:53,590 --> 00:31:51,120

experiment is space flight because the

697

00:31:56,710 --> 00:31:53,600

station itself is a huge experiment it

698

00:31:59,269 --> 00:31:56,720

has been in space for more than 15 years

699

00:32:01,269 --> 00:31:59,279

and then the science program

700

00:32:02,230 --> 00:32:01,279

that you have featured in your brochure

701
00:32:05,430 --> 00:32:02,240
but

702
00:32:06,389 --> 00:32:05,440
that's only for our russian

703
00:32:10,630 --> 00:32:06,399
increment

704
00:32:12,870 --> 00:32:10,640
so we do have about three experiments

705
00:32:15,110 --> 00:32:12,880
some of them are joined with our

706
00:32:18,230 --> 00:32:15,120
colleagues from other countries

707
00:32:20,470 --> 00:32:18,240
so in about two days after we arrive

708
00:32:23,509 --> 00:32:20,480
we're going to start circle lab

709
00:32:25,669 --> 00:32:23,519
experiments russia

710
00:32:28,789 --> 00:32:25,679
and isa participate in this experiment

711
00:32:32,149 --> 00:32:28,799
and hardware for the experiment is as

712
00:32:34,310 --> 00:32:32,159
large as this room so basically it will

713
00:32:36,630 --> 00:32:34,320

take the entire european

714

00:32:39,269 --> 00:32:36,640

module almost

715

00:32:42,310 --> 00:32:39,279

so this is a very interesting

716

00:32:44,310 --> 00:32:42,320

comprehensive experiment and personally

717

00:32:46,149 --> 00:32:44,320

for me it is interesting because

718

00:32:48,070 --> 00:32:46,159

it is

719

00:32:49,990 --> 00:32:48,080

on the same subject

720

00:32:52,710 --> 00:32:50,000

of my dissertation the dissertation that

721

00:32:54,710 --> 00:32:52,720

i defended years ago so this experiment

722

00:32:56,470 --> 00:32:54,720

studies muscles

723

00:32:58,070 --> 00:32:56,480

and tendons

724

00:33:01,990 --> 00:32:58,080

unfortunately on the russian segment

725

00:33:03,669 --> 00:33:02,000

there are only uh two crew members

726

00:33:05,269 --> 00:33:03,679

thus we're going to have a very busy

727

00:33:07,110 --> 00:33:05,279

schedule

728

00:33:09,750 --> 00:33:07,120

some experiments will be done in

729

00:33:12,149 --> 00:33:09,760

cosmonauts personal time because we just

730

00:33:12,950 --> 00:33:12,159

can't schedule them to a different time

731

00:33:15,110 --> 00:33:12,960

so

732

00:33:16,230 --> 00:33:15,120

at night on the iss we'll be doing

733

00:33:17,990 --> 00:33:16,240

science

734

00:33:20,710 --> 00:33:18,000

last time your colleagues were trying to

735

00:33:22,470 --> 00:33:20,720

make fear on station were they

736

00:33:25,509 --> 00:33:22,480

successful well we're going to see it

737

00:33:27,430 --> 00:33:25,519

when we get there and my last question

738

00:33:28,470 --> 00:33:27,440

uh today you are going to watch salute

739

00:33:29,269 --> 00:33:28,480

sam

740

00:33:31,750 --> 00:33:29,279

and

741

00:33:33,430 --> 00:33:31,760

the white sun of the desert

742

00:33:35,669 --> 00:33:33,440

and this is not the first time that

743

00:33:37,190 --> 00:33:35,679

you're going to be watching this so what

744

00:33:38,789 --> 00:33:37,200

are your feelings about it how many

745

00:33:40,310 --> 00:33:38,799

times have you seen these movies

746

00:33:43,509 --> 00:33:40,320

alexandra do you know

747

00:33:46,630 --> 00:33:44,549

this

748

00:33:49,029 --> 00:33:46,640

movie is great

749

00:33:51,590 --> 00:33:49,039

and i think we've seen it more than 10

750

00:33:54,310 --> 00:33:51,600

times and there are a lot of jokes

751
00:33:57,590 --> 00:33:54,320
about this movie

752
00:34:00,310 --> 00:33:57,600
so the uh joke about the white sun of

753
00:34:02,950 --> 00:34:00,320
the desert cosmonauts were testing

754
00:34:06,950 --> 00:34:02,960
their knowledge of this movie for

755
00:34:08,710 --> 00:34:06,960
example uh what was the name of cat so

756
00:34:10,389 --> 00:34:08,720
who can answer this question i see one

757
00:34:13,349 --> 00:34:10,399
hand do you remember the cat in the

758
00:34:16,230 --> 00:34:14,149
well

759
00:34:17,829 --> 00:34:16,240
there was no cat in the movie but

760
00:34:19,990 --> 00:34:17,839
we do know

761
00:34:24,550 --> 00:34:20,000
its name so would you know the name of

762
00:34:28,230 --> 00:34:24,560
this sukhov's cat then salute 7 movie

763
00:34:30,869 --> 00:34:28,240

we're going to meet with the um

764

00:34:32,389 --> 00:34:30,879

the filming crew we're going to only see

765

00:34:33,349 --> 00:34:32,399

parts of this movie

766

00:34:35,589 --> 00:34:33,359

and then

767

00:34:38,230 --> 00:34:35,599

we will see the entire movie on board

768

00:34:39,909 --> 00:34:38,240

the station as far as the uh

769

00:34:43,589 --> 00:34:39,919

white sun of this

770

00:34:45,909 --> 00:34:43,599

desert is a wonderful movie and uh we

771

00:34:59,030 --> 00:34:45,919

will be uh watching it with pleasure and

772

00:35:02,630 --> 00:35:00,550

you've mentioned that you are going to

773

00:35:04,069 --> 00:35:02,640

have two

774

00:35:04,950 --> 00:35:04,079

mascots or

775

00:35:07,430 --> 00:35:04,960

two

776
00:35:09,829 --> 00:35:07,440
zero g indicators and the second one was

777
00:35:11,829 --> 00:35:09,839
supposed to be made by nergus so is it

778
00:35:12,710 --> 00:35:11,839
going to fly with you or not

779
00:35:14,069 --> 00:35:12,720
well

780
00:35:16,069 --> 00:35:14,079
you know we are in the following

781
00:35:18,150 --> 00:35:16,079
situation it has been a very dynamic

782
00:35:19,030 --> 00:35:18,160
process actually we are going to have

783
00:35:22,390 --> 00:35:19,040
three

784
00:35:26,069 --> 00:35:22,400
zero g indicators and there is no um

785
00:35:30,310 --> 00:35:26,079
sputnik among them my personal

786
00:35:33,990 --> 00:35:32,950
my family chose it

787
00:35:35,829 --> 00:35:34,000
so

788
00:35:36,950 --> 00:35:35,839

it is a small

789

00:35:39,670 --> 00:35:36,960

handmade

790

00:35:40,710 --> 00:35:39,680

gnome this is our

791

00:35:43,030 --> 00:35:40,720

main

792

00:35:45,030 --> 00:35:43,040

mascot and my colleagues also have

793

00:35:47,349 --> 00:35:45,040

chosen their mascots

794

00:35:50,069 --> 00:35:47,359

given to them by their children among

795

00:35:51,109 --> 00:35:50,079

them will be a small bear

796

00:35:53,430 --> 00:35:51,119

that

797

00:35:55,109 --> 00:35:53,440

has the colors of the

798

00:35:58,390 --> 00:35:55,119

u.s flag

799

00:36:00,950 --> 00:35:58,400

and then for paolo it will be a small

800

00:36:04,790 --> 00:36:00,960

italian transformer

801
00:36:07,589 --> 00:36:04,800
and then uh alexander will launch

802
00:36:09,349 --> 00:36:07,599
closer to the celebration

803
00:36:10,829 --> 00:36:09,359
so hopefully that he

804
00:36:13,589 --> 00:36:10,839
will have this

805
00:36:15,510 --> 00:36:13,599
um the first

806
00:36:17,349 --> 00:36:15,520
satellite

807
00:36:19,109 --> 00:36:17,359
talisman with him

808
00:36:22,390 --> 00:36:19,119
and you will ask him that question when

809
00:36:25,829 --> 00:36:22,400
he will be here in a few months

810
00:36:28,790 --> 00:36:25,839
to agency a question for sergey i

811
00:36:33,829 --> 00:36:28,800
apologize i cannot hear you well there

812
00:36:37,430 --> 00:36:35,750
you mentioned that

813
00:36:40,150 --> 00:36:37,440

in mid august you are going to have a

814

00:36:42,069 --> 00:36:40,160

space walk so could you please clarify

815

00:36:44,150 --> 00:36:42,079

what the dates are

816

00:36:46,390 --> 00:36:44,160

and what is the duration of this

817

00:36:48,870 --> 00:36:46,400

spacewalk and thank you

818

00:36:51,589 --> 00:36:48,880

thank you very much yes indeed we do uh

819

00:36:54,790 --> 00:36:51,599

plan to have an eva

820

00:36:57,109 --> 00:36:54,800

this will be the only russian eva

821

00:36:59,430 --> 00:36:57,119

while our u.s colleagues are going to

822

00:37:02,470 --> 00:36:59,440

have three spacewalks we're going to do

823

00:37:05,510 --> 00:37:02,480

it together with uh federer nikolai

824

00:37:08,470 --> 00:37:07,750

17th of

825

00:37:09,190 --> 00:37:08,480

and

826
00:37:11,270 --> 00:37:09,200
the

827
00:37:13,829 --> 00:37:11,280
program for this

828
00:37:15,910 --> 00:37:13,839
eva is mostly science as opposed to

829
00:37:18,150 --> 00:37:15,920
maintenance we're going to launch

830
00:37:20,390 --> 00:37:18,160
research satellites some of these

831
00:37:22,870 --> 00:37:20,400
satellites have been assembled by

832
00:37:24,550 --> 00:37:22,880
students we're going to install sydney

833
00:37:27,670 --> 00:37:24,560
science hardware

834
00:37:28,550 --> 00:37:27,680
and we're going to

835
00:37:30,710 --> 00:37:28,560
test

836
00:37:32,870 --> 00:37:30,720
the external parts of the station for

837
00:37:35,510 --> 00:37:32,880
microbiological contamination further

838
00:37:38,230 --> 00:37:35,520

nikolai which also

839

00:37:42,069 --> 00:37:38,240

will be the first one to be wearing the

840

00:37:43,750 --> 00:37:42,079

new uh space suit this is the new orlan

841

00:37:45,829 --> 00:37:43,760

with the automated

842

00:37:48,390 --> 00:37:45,839

thermal regulation system and further

843

00:37:49,990 --> 00:37:48,400

nikolaj which as an experience

844

00:37:51,910 --> 00:37:50,000

might not be

845

00:37:53,430 --> 00:37:51,920

and we'll be able to compare it to the

846

00:37:57,109 --> 00:37:53,440

previous version of the

847

00:38:00,150 --> 00:37:57,119

space suit which is um uh also

848

00:38:01,670 --> 00:38:00,160

uh available and can be used um we know

849

00:38:03,270 --> 00:38:01,680

how busy you're going to be with all

850

00:38:05,349 --> 00:38:03,280

your experiments you need to conduct

851
00:38:06,950 --> 00:38:05,359
during this mission and some experiments

852
00:38:08,069 --> 00:38:06,960
sound a little bit more strange than

853
00:38:11,109 --> 00:38:08,079
others

854
00:38:13,430 --> 00:38:11,119
one being the sensitivity to pain in

855
00:38:15,990 --> 00:38:13,440
zero gravity perhaps you could help

856
00:38:17,510 --> 00:38:16,000
explain what this involves and

857
00:38:20,310 --> 00:38:17,520
can we assume that you're not looking

858
00:38:22,470 --> 00:38:20,320
forward to this experiment

859
00:38:24,150 --> 00:38:22,480
uh my colleagues uh

860
00:38:27,030 --> 00:38:24,160
are joking that they are paying

861
00:38:28,550 --> 00:38:27,040
experiments uh starting from entering

862
00:38:31,670 --> 00:38:28,560
soyuz

863
00:38:34,069 --> 00:38:31,680

because they're tall guys and sitting in

864

00:38:34,870 --> 00:38:34,079

soyuz chair for at least eight hours

865

00:38:37,190 --> 00:38:34,880

it's

866

00:38:39,670 --> 00:38:37,200

not a really pleasant thing

867

00:38:41,829 --> 00:38:39,680

but really yes we have such experiment

868

00:38:43,510 --> 00:38:41,839

by the way it's from russian science

869

00:38:45,670 --> 00:38:43,520

program

870

00:38:48,069 --> 00:38:45,680

it's well known that

871

00:38:50,150 --> 00:38:48,079

in our body in weightlessness we have

872

00:38:54,109 --> 00:38:50,160

blood redistribution

873

00:38:55,910 --> 00:38:54,119

and this redistribution influence

874

00:38:57,589 --> 00:38:55,920

pharmacokinetics

875

00:38:59,589 --> 00:38:57,599

and many other

876
00:39:01,190 --> 00:38:59,599
physiological processes

877
00:39:02,950 --> 00:39:01,200
and also

878
00:39:03,829 --> 00:39:02,960
it changes

879
00:39:04,790 --> 00:39:03,839
the

880
00:39:06,390 --> 00:39:04,800
level

881
00:39:07,589 --> 00:39:06,400
barrier

882
00:39:11,990 --> 00:39:07,599
pain

883
00:39:13,430 --> 00:39:12,000
threshold

884
00:39:14,710 --> 00:39:13,440
so

885
00:39:17,510 --> 00:39:14,720
finally

886
00:39:18,630 --> 00:39:17,520
equipment for this experiment is now on

887
00:39:19,750 --> 00:39:18,640
board

888
00:39:23,750 --> 00:39:19,760

so

889

00:39:29,030 --> 00:39:26,790

how this threshold changes

890

00:39:30,550 --> 00:39:29,040

compared with the ground

891

00:39:32,310 --> 00:39:30,560

looking forward

892

00:39:35,270 --> 00:39:32,320

could you be a little bit more specific

893

00:39:37,349 --> 00:39:35,280

i mean what kind of how would you uh

894

00:39:40,630 --> 00:39:37,359

how would you create this pain does it

895

00:39:42,630 --> 00:39:40,640

involve some kind of instruments or

896

00:39:45,750 --> 00:39:42,640

yeah it's

897

00:39:49,910 --> 00:39:45,760

it doesn't uh i'm like it doesn't um

898

00:39:51,750 --> 00:39:49,920

need help from uh another crew members

899

00:39:54,710 --> 00:39:51,760

or they they would help

900

00:39:58,630 --> 00:39:54,720

um there's a special device where you

901
00:40:00,310 --> 00:39:58,640
place your finger and it starts

902
00:40:02,470 --> 00:40:00,320
squeezing it

903
00:40:03,910 --> 00:40:02,480
you can stop it immediately at any

904
00:40:06,790 --> 00:40:03,920
second

905
00:40:10,309 --> 00:40:06,800
just from the first signs of pain

906
00:40:13,990 --> 00:40:10,319
you're stopping it also it's uh small

907
00:40:15,910 --> 00:40:14,000
tablets heating tablets and uh you you

908
00:40:17,109 --> 00:40:15,920
have your arm on this tablet and it's

909
00:40:20,390 --> 00:40:17,119
warming up

910
00:40:21,829 --> 00:40:20,400
same thing you feel pain just uh remove

911
00:40:24,630 --> 00:40:21,839
your head

912
00:40:26,230 --> 00:40:24,640
sounds lots of fun

913
00:40:28,150 --> 00:40:26,240

and uh this question is for all three

914

00:40:30,390 --> 00:40:28,160

crew members please um we know how

915

00:40:32,630 --> 00:40:30,400

curious everybody is about space and you

916

00:40:34,630 --> 00:40:32,640

get um ask questions all the time

917

00:40:36,790 --> 00:40:34,640

probably about the smaller things of uh

918

00:40:38,630 --> 00:40:36,800

being in space such as how do you shower

919

00:40:40,710 --> 00:40:38,640

how do you brush your teeth how do you

920

00:40:42,550 --> 00:40:40,720

what does space smell like for instance

921

00:40:45,109 --> 00:40:42,560

what is the most common question that

922

00:40:48,230 --> 00:40:45,119

you get asked for all three of you and

923

00:40:50,390 --> 00:40:48,240

does it get a bit annoying

924

00:40:52,470 --> 00:40:50,400

i think there are two categories of

925

00:40:54,470 --> 00:40:52,480

questions the one that the ones that

926
00:40:55,270 --> 00:40:54,480
everybody would ask without problems

927
00:40:57,589 --> 00:40:55,280
like

928
00:41:00,309 --> 00:40:57,599
what do you see from their space how do

929
00:41:02,630 --> 00:41:00,319
you feel in zero g

930
00:41:04,390 --> 00:41:02,640
if you've seen aliens and then then the

931
00:41:06,710 --> 00:41:04,400
one that are a little bit more

932
00:41:07,670 --> 00:41:06,720
subtle or a little bit private like how

933
00:41:10,309 --> 00:41:07,680
do you go

934
00:41:12,550 --> 00:41:10,319
to the bathroom in space

935
00:41:14,630 --> 00:41:12,560
so i always say that there are not

936
00:41:17,990 --> 00:41:14,640
stupid answers

937
00:41:20,870 --> 00:41:18,000
but uh sorry stupid questions and the

938
00:41:23,430 --> 00:41:20,880

challenge from us is to turn around

939

00:41:25,030 --> 00:41:23,440

the question and make it interesting and

940

00:41:26,470 --> 00:41:25,040

also going to the bathroom can be very

941

00:41:28,550 --> 00:41:26,480

interesting and we can talk about

942

00:41:30,870 --> 00:41:28,560

science we can talk about recycling we

943

00:41:33,670 --> 00:41:30,880

can talk about a lot of things that are

944

00:41:37,910 --> 00:41:33,680

actually part of the core of the essence

945

00:41:41,910 --> 00:41:39,589

i think one of the uh more prominent

946

00:41:43,670 --> 00:41:41,920

questions that you always seem to get is

947

00:41:45,510 --> 00:41:43,680

now you've been to space and seen the

948

00:41:47,109 --> 00:41:45,520

earth from that point of view has it

949

00:41:48,710 --> 00:41:47,119

changed you

950

00:41:50,550 --> 00:41:48,720

you know the first time you get to see

951
00:41:52,470 --> 00:41:50,560
it and then we're excited for mark to

952
00:41:54,470 --> 00:41:52,480
see that in the middle of september the

953
00:41:56,470 --> 00:41:54,480
first time you see the earth where you

954
00:41:57,910 --> 00:41:56,480
can see the whole curve of it because

955
00:41:59,109 --> 00:41:57,920
your whole life the horizon has been

956
00:42:01,030 --> 00:41:59,119
flat

957
00:42:02,950 --> 00:42:01,040
and so if i drew a curve from here to

958
00:42:05,190 --> 00:42:02,960
here which is what you see of the earth

959
00:42:07,190 --> 00:42:05,200
when you're in orbit your eyes

960
00:42:09,430 --> 00:42:07,200
automatically and your brain already

961
00:42:12,069 --> 00:42:09,440
figures out this curve means a circle

962
00:42:14,950 --> 00:42:12,079
only this big and you extrapolate in

963
00:42:17,349 --> 00:42:14,960

your mind how big that thing is

964

00:42:19,589 --> 00:42:17,359

and you go around that circle every 90

965

00:42:21,910 --> 00:42:19,599

minutes and you realize that

966

00:42:23,750 --> 00:42:21,920

every experience you've ever had every

967

00:42:25,190 --> 00:42:23,760

person you've ever met every person

968

00:42:26,470 --> 00:42:25,200

who's ever lived

969

00:42:28,550 --> 00:42:26,480

is down on that little circle that

970

00:42:31,109 --> 00:42:28,560

you're going around every 90 minutes

971

00:42:32,950 --> 00:42:31,119

and at that point you cease being

972

00:42:35,349 --> 00:42:32,960

a person of your country or your space

973

00:42:37,829 --> 00:42:35,359

agency you are truly a member of the

974

00:42:40,550 --> 00:42:37,839

human race and you see our planet our

975

00:42:42,950 --> 00:42:40,560

home you know planet spaceship earth you

976
00:42:45,190 --> 00:42:42,960
know as as our home and i think everyone

977
00:42:47,349 --> 00:42:45,200
that sees that is changed by it the hope

978
00:42:49,349 --> 00:42:47,359
is that in our lifetimes we'll be able

979
00:42:50,870 --> 00:42:49,359
to get more people there to see that

980
00:42:52,230 --> 00:42:50,880
more people are changed than maybe we'll

981
00:42:53,190 --> 00:42:52,240
be able to change people down here on

982
00:42:56,550 --> 00:42:53,200
earth

983
00:43:00,150 --> 00:42:56,560
my question is for all of you three

984
00:43:04,069 --> 00:43:01,670
all of you

985
00:43:07,270 --> 00:43:04,079
have already been into international

986
00:43:08,470 --> 00:43:07,280
space station and you all have a lot of

987
00:43:10,470 --> 00:43:08,480
experience

988
00:43:12,390 --> 00:43:10,480

which things you

989

00:43:16,470 --> 00:43:12,400

will never do again

990

00:43:21,109 --> 00:43:18,790

first time i

991

00:43:23,270 --> 00:43:21,119

i really receive a

992

00:43:24,069 --> 00:43:23,280

hard question

993

00:43:35,510 --> 00:43:24,079

i

994

00:43:37,270 --> 00:43:35,520

well

995

00:43:38,870 --> 00:43:37,280

it was uh

996

00:43:41,030 --> 00:43:38,880

such an incredible experience at the

997

00:43:43,109 --> 00:43:41,040

beginning of the my last mission the

998

00:43:45,750 --> 00:43:43,119

first weeks that

999

00:43:47,109 --> 00:43:45,760

i ended up not going to bed when i was

1000

00:43:49,910 --> 00:43:47,119

supposed to

1001
00:43:51,589 --> 00:43:49,920
i ended up spending too much time doing

1002
00:43:54,069 --> 00:43:51,599
things calling people

1003
00:43:57,109 --> 00:43:54,079
watching the earth experimenting with

1004
00:43:58,950 --> 00:43:57,119
things and for a good 10 days i slept

1005
00:44:01,829 --> 00:43:58,960
like three hours per day

1006
00:44:03,510 --> 00:44:01,839
and this is far too little for me and i

1007
00:44:06,069 --> 00:44:03,520
recognize it when i start making

1008
00:44:08,790 --> 00:44:06,079
mistakes during the experiments during

1009
00:44:11,030 --> 00:44:08,800
the day when i started falling asleep

1010
00:44:13,670 --> 00:44:11,040
during the experiments and i understood

1011
00:44:15,670 --> 00:44:13,680
that you know i need to slow down take

1012
00:44:17,990 --> 00:44:15,680
my time rest

1013
00:44:19,190 --> 00:44:18,000

be as best as i can because i can

1014

00:44:21,750 --> 00:44:19,200

actually

1015

00:44:23,510 --> 00:44:21,760

produce or or get more of what was the

1016

00:44:25,910 --> 00:44:23,520

environment up there

1017

00:44:28,150 --> 00:44:25,920

so so out of the earth i felt like an

1018

00:44:30,550 --> 00:44:28,160

extraterrestrial person

1019

00:44:32,790 --> 00:44:30,560

but i did have to remember that after

1020

00:44:35,349 --> 00:44:32,800

all i am still a terrestrial one and i

1021

00:44:37,190 --> 00:44:35,359

need to sleep

1022

00:44:39,270 --> 00:44:37,200

there's definitely one thing that i uh

1023

00:44:40,390 --> 00:44:39,280

plan not to do this time

1024

00:44:43,670 --> 00:44:40,400

um

1025

00:44:46,150 --> 00:44:43,680

seven and a half years ago on a short uh

1026

00:44:49,109 --> 00:44:46,160

space shuttle flight on atlantis

1027

00:44:50,630 --> 00:44:49,119

um my amazing wife rebecca gave you

1028

00:44:52,710 --> 00:44:50,640

birth to this beautiful little girl over

1029

00:44:54,550 --> 00:44:52,720

here who's asleep on her arm

1030

00:45:00,069 --> 00:44:54,560

and so this time we plan on not having

1031

00:45:05,750 --> 00:45:02,710

and it's a question for all of you

1032

00:45:07,030 --> 00:45:05,760

what do you think the space smells like

1033

00:45:08,150 --> 00:45:07,040

just

1034

00:45:10,390 --> 00:45:08,160

well

1035

00:45:12,309 --> 00:45:10,400

frankly i was very interested in this

1036

00:45:14,309 --> 00:45:12,319

question because you cannot open windows

1037

00:45:17,270 --> 00:45:14,319

on station it's a problem

1038

00:45:19,109 --> 00:45:17,280

however you can deal with this

1039

00:45:21,270 --> 00:45:19,119

during my previous flight

1040

00:45:22,710 --> 00:45:21,280

i had three spacewalks

1041

00:45:23,510 --> 00:45:22,720

and

1042

00:45:28,150 --> 00:45:23,520

when

1043

00:45:30,550 --> 00:45:29,030

it is

1044

00:45:31,990 --> 00:45:30,560

still

1045

00:45:33,990 --> 00:45:32,000

remains in

1046

00:45:36,470 --> 00:45:34,000

anywhere from six to eight hours and

1047

00:45:37,349 --> 00:45:36,480

when we pressurize it back when we come

1048

00:45:40,069 --> 00:45:37,359

back

1049

00:45:42,550 --> 00:45:40,079

it is not a 100 percent pressurization

1050

00:45:44,870 --> 00:45:42,560

it's only 50

1051
00:45:45,670 --> 00:45:44,880
millimeters of mercury so

1052
00:45:47,750 --> 00:45:45,680
then

1053
00:45:50,230 --> 00:45:47,760
my task

1054
00:45:53,030 --> 00:45:50,240
i'm a small guy i was supposed to get

1055
00:45:55,430 --> 00:45:53,040
out of my spacesuit and help

1056
00:45:57,990 --> 00:45:55,440
my commander get out of his spacesuit

1057
00:46:00,870 --> 00:45:58,000
and he's a bigger guy and

1058
00:46:02,150 --> 00:46:00,880
there i had this very unique opportunity

1059
00:46:04,790 --> 00:46:02,160
to

1060
00:46:06,470 --> 00:46:04,800
check what space smells like it smells

1061
00:46:07,750 --> 00:46:06,480
like welding

1062
00:46:10,710 --> 00:46:07,760
and this is

1063
00:46:12,390 --> 00:46:10,720

a very a zone metallic

1064

00:46:15,030 --> 00:46:12,400

very distinctive

1065

00:46:17,190 --> 00:46:15,040

smell so this is what it smells like

1066

00:46:19,990 --> 00:46:17,200

thank you very much on the american

1067

00:46:21,430 --> 00:46:20,000

segment the same thing after an eva when

1068

00:46:23,589 --> 00:46:21,440

they open the hatch and we've

1069

00:46:25,030 --> 00:46:23,599

repressurized there's a very strong

1070

00:46:28,710 --> 00:46:25,040

smell

1071

00:46:30,630 --> 00:46:28,720

knew what it was and i asked another

1072

00:46:33,190 --> 00:46:30,640

crew member before i said anything to

1073

00:46:34,870 --> 00:46:33,200

see what they said and nicole stott said

1074

00:46:36,550 --> 00:46:34,880

the exact same thing

1075

00:46:39,190 --> 00:46:36,560

what space smelled like on the american

1076
00:46:44,309 --> 00:46:39,200
segment or the usos segment smells like

1077
00:46:51,940 --> 00:46:47,589
sergey i have one more question for you

1078
00:46:54,790 --> 00:46:53,190
[Music]

1079
00:46:56,470 --> 00:46:54,800
i think this is not

1080
00:46:59,910 --> 00:46:56,480
the first time but

1081
00:47:00,950 --> 00:46:59,920
at baikonur currently it is very hot

1082
00:47:03,910 --> 00:47:00,960
so

1083
00:47:05,270 --> 00:47:03,920
how have you been dealing with the heat

1084
00:47:06,790 --> 00:47:05,280
during your preparations of course i

1085
00:47:09,270 --> 00:47:06,800
know that nothing will happen to the

1086
00:47:11,510 --> 00:47:09,280
launch vehicle however do you have any

1087
00:47:13,030 --> 00:47:11,520
type of ac system

1088
00:47:15,270 --> 00:47:13,040

in soyuz

1089

00:47:17,430 --> 00:47:15,280

thank you well yes we are going to have

1090

00:47:19,400 --> 00:47:17,440

ventilation and

1091

00:47:20,950 --> 00:47:19,410

you shouldn't ask randy

1092

00:47:22,950 --> 00:47:20,960

[Music]

1093

00:47:24,950 --> 00:47:22,960

frenzy comes from texas it's always hot

1094

00:47:27,910 --> 00:47:24,960

there and then the same for paolo i

1095

00:47:29,589 --> 00:47:27,920

think paolo is used to heat

1096

00:47:30,950 --> 00:47:29,599

he's from italy but he also lives in

1097

00:47:33,030 --> 00:47:30,960

houston

1098

00:47:35,190 --> 00:47:33,040

well let's uh ask

1099

00:47:36,870 --> 00:47:35,200

backup crew members because i think

1100

00:47:38,710 --> 00:47:36,880

they're bored there they need to answer

1101

00:47:41,430 --> 00:47:38,720

some questions right

1102

00:47:44,230 --> 00:47:41,440

good afternoon friends sergey thank you

1103

00:47:47,750 --> 00:47:44,240

uh for this wonderful opportunity

1104

00:47:49,589 --> 00:47:47,760

despite the fact that the prime crew

1105

00:47:59,430 --> 00:47:49,599

are used to

1106

00:48:03,910 --> 00:48:02,549

we painted uh the launch vehicle and the

1107

00:48:06,710 --> 00:48:03,920

spacecraft

1108

00:48:09,109 --> 00:48:06,720

white and i think that

1109

00:48:11,589 --> 00:48:09,119

they will have a comfortable flight

1110

00:48:13,910 --> 00:48:11,599

and we will be just

1111

00:48:15,670 --> 00:48:13,920

happy for you uh and i'm sure they'll be

1112

00:48:18,309 --> 00:48:15,680

successful and we'll be looking forward

1113

00:48:20,790 --> 00:48:18,319

to their successes on station

1114

00:48:21,829 --> 00:48:20,800

thank you very much and the

1115

00:48:23,430 --> 00:48:21,839

friends

1116

00:48:30,150 --> 00:48:23,440

i

1117

00:48:32,309 --> 00:48:30,160

uh european space agency to uh talk to

1118

00:48:34,630 --> 00:48:32,319

paul in italian and

1119

00:48:37,270 --> 00:48:34,640

paolo will share what uh

1120

00:48:38,870 --> 00:48:37,280

they have discussed who flew in space on

1121

00:48:42,390 --> 00:48:38,880

a very interesting mission it was a

1122

00:48:44,630 --> 00:48:42,400

joint uh italian american project on the

1123

00:48:48,150 --> 00:48:44,640

space shuttle it was called the theater

1124

00:48:51,190 --> 00:48:48,160

at satellite system a system that was uh

1125

00:48:52,950 --> 00:48:51,200

studied by the university of padua where

1126

00:48:54,790 --> 00:48:52,960

satellite was deployed by the shuttle in

1127

00:48:57,589 --> 00:48:54,800

a very strange and complicated

1128

00:48:58,549 --> 00:48:57,599

configuration it was a very challenging

1129

00:49:00,710 --> 00:48:58,559

mission

1130

00:49:02,710 --> 00:49:00,720

and italy provided the first astronaut

1131

00:49:04,470 --> 00:49:02,720

this opened

1132

00:49:06,950 --> 00:49:04,480

even more the cooperation between the

1133

00:49:09,510 --> 00:49:06,960

united states nasa the italian space

1134

00:49:10,790 --> 00:49:09,520

agency the european space agency for

1135

00:49:13,510 --> 00:49:10,800

space

1136

00:49:15,670 --> 00:49:13,520

and there was a question about what is

1137

00:49:18,150 --> 00:49:15,680

written in my dna

1138

00:49:20,150 --> 00:49:18,160

and uh and i don't know i mean i am an

1139

00:49:22,150 --> 00:49:20,160

aerospace engineer so i'm not quite sure

1140

00:49:23,990 --> 00:49:22,160

exactly what is written there but i'm

1141

00:49:26,710 --> 00:49:24,000

pretty sure that it's written the same

1142

00:49:30,390 --> 00:49:26,720

thing as written in everybody which is

1143

00:49:33,270 --> 00:49:30,400

uh we are curious we are explorers we

1144

00:49:35,589 --> 00:49:33,280

are not uh satisfied until we do things

1145

00:49:37,829 --> 00:49:35,599

we touch with our hands we expand our

1146

00:49:41,430 --> 00:49:37,839

knowledge and this is what we are doing

1147

00:49:43,430 --> 00:49:41,440

tomorrow uh for uh for essentially

1148

00:49:46,069 --> 00:49:43,440

expanding our knowledge but for making

1149

00:49:49,030 --> 00:49:46,079

also the world the world better for all

1150

00:49:52,390 --> 00:49:49,910

thank you

1151

00:49:54,870 --> 00:49:52,400

and dear colleagues

1152

00:49:56,549 --> 00:49:54,880

this completes our press conference

1153

00:49:58,950 --> 00:49:56,559

thank you very much for interesting

1154

00:50:00,710 --> 00:49:58,960

questions and i would like to thank the

1155

00:50:01,910 --> 00:50:00,720

all crew members for their

1156

00:50:38,710 --> 00:50:01,920

answers

1157

00:50:38,720 --> 00:50:43,730

thank you

1158

00:50:43,740 --> 00:50:50,950

[Music]

1159

00:50:55,670 --> 00:50:53,190

and now let's take pictures

1160

00:51:17,910 --> 00:50:55,680

of prime crews and backup crews

1161

00:51:21,430 --> 00:51:19,990

thank you

1162

00:51:23,829 --> 00:51:21,440

and your guests

1163

00:51:26,549 --> 00:51:23,839

i'm expecting

1164

00:51:28,069 --> 00:51:26,559

all of you here at saturn

1165

00:51:30,870 --> 00:51:28,079

movie theater there will be a

1166

00:51:47,349 --> 00:51:30,880

presentation of solid 7 movie and i'd

1167

00:51:47,359 --> 00:52:05,060

thank you

1168

00:52:28,309 --> 00:52:24,210

[Music]

1169

00:52:28,319 --> 00:52:32,290

oh

1170

00:52:32,300 --> 00:52:39,109

[Music]