



1
00:00:01,159 --> 00:01:10,340
can deal with

2
00:01:10,350 --> 00:01:27,540
hello thank you

3
00:01:27,550 --> 00:02:01,779
watch your heads

4
00:02:14,400 --> 00:02:05,510
where are the cosmonauts the crew

5
00:02:14,410 --> 00:02:25,440
let us enter

6
00:02:46,840 --> 00:02:35,949
thank you have you brought in the mass

7
00:02:49,810 --> 00:02:46,850
media guys from Kazakhstan yes we're not

8
00:02:52,630 --> 00:02:49,820
just a coal capital but we're also a

9
00:02:57,160 --> 00:02:52,640
spaceport I would like to welcome you

10
00:02:59,350 --> 00:02:57,170
for the first time in 1962 we there was

11
00:03:04,660 --> 00:02:59,360
a successful landing of Andrey Nikolov

12
00:03:08,110 --> 00:03:04,670
and Pavel Popovich on our soil we were

13
00:03:11,770 --> 00:03:08,120

also welcoming at the first female

14
00:03:15,040 --> 00:03:11,780
cosmonaut valentina Tereshkova were also

15
00:03:17,740 --> 00:03:15,050
welcome the first international cruise I

16
00:03:20,680 --> 00:03:17,750
would like to congratulate you on the

17
00:03:24,250 --> 00:03:20,690
successful landing I'd like to wish your

18
00:03:30,039 --> 00:03:24,260
health and may the earth always feel

19
00:03:36,610 --> 00:03:30,049
soft to you I would like give you some

20
00:03:38,590 --> 00:03:36,620
souvenirs you may proceed first

21
00:03:50,040 --> 00:03:38,600
traditionally you can give the

22
00:03:50,050 --> 00:04:05,140
thank you

23
00:04:28,310 --> 00:04:17,120
this is our traditional clothing this is

24
00:04:43,220 --> 00:04:28,320
the pride of our city they're holding a

25
00:04:48,880 --> 00:04:43,230
piece of coal to present this okay could

26
00:04:56,650 --> 00:04:53,810
painting so you can see what our step

27
00:04:59,090 --> 00:04:56,660
looks from looks like from above

28
00:05:12,879 --> 00:04:59,100
next time you can put a descent module

29
00:05:25,270 --> 00:05:22,970
this is something for could you show it

30
00:05:40,220 --> 00:05:25,280
to us please

31
00:05:45,110 --> 00:05:40,230
that's just show it to us I would like

32
00:05:53,810 --> 00:05:45,120
to say welcome to earth we believe the

33
00:06:00,710 --> 00:05:53,820
main result is successful landing like

34
00:06:02,960 --> 00:06:00,720
to wish you the quickest adjustment and

35
00:06:14,360 --> 00:06:02,970
would like to wish you further successes

36
00:06:23,150 --> 00:06:14,370
in your professional career and this is

37
00:06:41,080 --> 00:06:23,160
for you traditional nesting dolls

38
00:06:49,159 --> 00:06:45,470

first of all on behalf of the curled

39

00:06:53,200 --> 00:06:49,169

like to say thank you very much for such

40

00:06:57,680 --> 00:06:53,210

a warm welcome for all your attention

41

00:07:02,420 --> 00:06:57,690

thank you very much so much attention

42

00:07:04,540 --> 00:07:02,430

such a warm welcome we are really happy

43

00:07:10,330 --> 00:07:04,550

to be here

44

00:07:14,030 --> 00:07:10,340

this ground is sacred in a way because

45

00:07:18,350 --> 00:07:14,040

many crews come here land for after

46

00:07:23,060 --> 00:07:18,360

their missions thank you very much we

47

00:07:32,110 --> 00:07:23,070

would like to give you a gift this is a

48

00:07:45,290 --> 00:07:38,090

can we ask the questions do you still

49

00:07:51,350 --> 00:07:45,300

have it left in you yes definitely are

50

00:07:55,490 --> 00:07:51,360

you pointing Wow how was your birthday

51
00:07:58,430 --> 00:07:55,500
was celebrated that in the modest way in

52
00:08:01,550 --> 00:07:58,440
the evening the entire crew I got

53
00:08:04,750 --> 00:08:01,560
together but the guy started I can

54
00:08:08,029 --> 00:08:04,760
regulate in me in the morning Sasha I

55
00:08:11,839 --> 00:08:08,039
had some gifts ready there were gifts

56
00:08:13,310 --> 00:08:11,849
there were kind words but yes it was a

57
00:08:17,120 --> 00:08:13,320
lot more modest than it would have been

58
00:08:22,310 --> 00:08:17,130
on the ground are you pointing to fly

59
00:08:25,940 --> 00:08:22,320
again well I am ready to fly to space as

60
00:08:32,180 --> 00:08:25,950
long as I can yes I would love to I

61
00:08:40,010 --> 00:08:32,190
intend to unless the medical specialists

62
00:08:47,670 --> 00:08:45,090
I think marzo is a long ways away and I

63
00:08:54,320 --> 00:08:47,680

love to go but we'll see what's in store

64

00:08:54,330 --> 00:09:03,410

corner who this yeah some pretty tipsy

65

00:09:08,400 --> 00:09:06,560

can you tell us briefly about your

66

00:09:15,150 --> 00:09:08,410

mission that you have just completed

67

00:09:20,040 --> 00:09:15,160

just a few words we had a significant

68

00:09:22,650 --> 00:09:20,050

mission shorter is still remaining on

69

00:09:28,320 --> 00:09:22,660

board for your chicken biscuits crew I

70

00:09:32,400 --> 00:09:28,330

remaining and a couple of weeks we will

71

00:09:35,790 --> 00:09:32,410

be replaced by a Sergei resent 708 part

72

00:09:37,500 --> 00:09:35,800

of our expedition was significant for

73

00:09:41,870 --> 00:09:37,510

the following reason but we're preparing

74

00:09:44,190 --> 00:09:41,880

this station of we perform three EVs

75

00:09:46,860 --> 00:09:44,200

we're preparing the station for the

76

00:09:50,160 --> 00:09:46,870

arrival of a new Russian module there

77

00:10:02,270 --> 00:09:50,170

was a lot of work to be done outside the

78

00:10:04,800 --> 00:10:02,280

station along with that several HTV

79

00:10:09,050 --> 00:10:04,810

undock from the station and Chris and

80

00:10:13,829 --> 00:10:09,060

Caren birthed it previously so we had a

81

00:10:16,230 --> 00:10:13,839

very busy expedition and a couple of

82

00:10:22,230 --> 00:10:16,240

weeks in new cargo vehicle will be

83

00:10:27,350 --> 00:10:22,240

flying to the station Cygnus we had had

84

00:10:32,130 --> 00:10:27,360

three progress vehicles arriving we were

85

00:10:34,050 --> 00:10:32,140

busy it was an interesting program a lot

86

00:10:39,990 --> 00:10:34,060

of experiments were performed on the

87

00:10:43,980 --> 00:10:40,000

Russian and us segments we are glad to

88

00:10:46,980 --> 00:10:43,990

have completed most of everything yes

89

00:10:49,740 --> 00:10:46,990

there were some intricacies some details

90

00:10:51,220 --> 00:10:49,750

we won we wish we could have done some

91

00:10:53,850 --> 00:10:51,230

things better but we have

92

00:10:57,010 --> 00:10:53,860

done everything that we were just to do

93

00:11:02,560 --> 00:10:57,020

and I think the results of our work will

94

00:11:08,320 --> 00:11:02,570

be that early next year a new module

95

00:11:10,900 --> 00:11:08,330

will be flying to the station will

96

00:11:14,380 --> 00:11:10,910

provide a lot of help in the science

97

00:11:17,350 --> 00:11:14,390

research into the career overall last

98

00:11:21,690 --> 00:11:17,360

question is there another question it

99

00:11:25,960 --> 00:11:21,700

was the very last question mr. Cassidy I

100

00:11:30,130 --> 00:11:25,970

experienced some ABA issues well you

101
00:11:33,430 --> 00:11:30,140
know I'm going to answer this there's

102
00:11:36,400 --> 00:11:33,440
some reason everybody asks about

103
00:11:42,430 --> 00:11:36,410
problems so you had problems EC station

104
00:11:45,460 --> 00:11:42,440
is enormous most complex and I cannot be

105
00:11:47,440 --> 00:11:45,470
without something going off yes we

106
00:11:55,980 --> 00:11:47,450
experienced some problems during the EBA

107
00:12:04,000 --> 00:12:00,550
yes they did not complete everything

108
00:12:06,910 --> 00:12:04,010
that could but some technical aspects

109
00:12:10,600 --> 00:12:06,920
fail sometimes we cannot were not

110
00:12:11,770 --> 00:12:10,610
allowed to fail they were just there was

111
00:12:15,620 --> 00:12:11,780
nothing major they were just going

112
00:12:21,170 --> 00:12:17,600
Lucas suit had a water leak on the

113
00:12:24,530 --> 00:12:21,180

inside and it was filling up the summit

114

00:12:26,780 --> 00:12:24,540

but once we noticed it we very quickly

115

00:12:28,790 --> 00:12:26,790

with the ground team we got back to the

116

00:12:33,439 --> 00:12:28,800

to the airlock and we're able to

117

00:12:35,960 --> 00:12:33,449

repressurize and it is some adopts a was

118

00:12:37,879 --> 00:12:35,970

nicer we didn't have school watch Dino

119

00:12:39,710 --> 00:12:37,889

Lukey and she wasn't issue about they

120

00:12:41,689 --> 00:12:39,720

took away design is from Australia which

121

00:12:43,790 --> 00:12:41,699

invisibility sub problem emotional

122

00:12:45,889 --> 00:12:43,800

depressed mr. stancy revealing not

123

00:12:47,749 --> 00:12:45,899

though the performance with our personal

124

00:12:49,550 --> 00:12:47,759

special will turn cotton cutter what

125

00:12:53,480 --> 00:12:49,560

about issues with the philosophy was

126
00:12:54,740 --> 00:12:53,490
only seasonal co-editor pedometers yes

127
00:12:57,319 --> 00:12:54,750
and we've actually done a lot of

128
00:12:59,540 --> 00:12:57,329
troubleshooting of that particular EMU

129
00:13:01,610 --> 00:12:59,550
suit on orbit and have a shamrock

130
00:13:03,410 --> 00:13:01,620
components home on this very point that

131
00:13:06,379 --> 00:13:03,420
we don't think back to stand and analyze

132
00:13:08,360 --> 00:13:06,389
the components there's a long term plan

133
00:13:10,850 --> 00:13:08,370
as far as getting us back to a normal

134
00:13:13,430 --> 00:13:10,860
ETA capability and in the short time

135
00:13:17,120 --> 00:13:13,440
short term we're certainly working on

136
00:13:19,579 --> 00:13:17,130
the analysis that we require to have us

137
00:13:21,530 --> 00:13:19,589
conduct a contingency EBA and we think

138
00:13:24,679 --> 00:13:21,540

we have that role in hand and we will do

139

00:13:27,530 --> 00:13:24,689

that in time we need to know someday des

140

00:13:28,910 --> 00:13:27,540

moines's waste on you might shame

141

00:13:31,699 --> 00:13:28,920

opposed to promote the program for

142

00:13:32,990 --> 00:13:31,709

inertia the family has to serve under

143

00:13:35,810 --> 00:13:33,000

you

144

00:13:37,850 --> 00:13:35,820

jealousy and water problem Houston never

145

00:13:39,860 --> 00:13:37,860

check no we're showing it to a hospital

146

00:13:43,460 --> 00:13:39,870

for teachers when I put in whatever

147

00:13:45,650 --> 00:13:43,470

Boston IV it was much less possible

148

00:13:47,480 --> 00:13:45,660

masturbation party do mine stop which is

149

00:13:53,390 --> 00:13:47,490

flora we will talk about more to

150

00:13:58,370 --> 00:13:53,400

training please gentlemen I would like

151
00:14:00,830 --> 00:13:58,380
to ask to flap right now Alexander I was

152
00:14:04,160 --> 00:14:00,840
energy hasn't said a word yet all the

153
00:14:06,760 --> 00:14:04,170
time hasn't come yet maybe that's it

154
00:14:16,370 --> 00:14:06,770
that's it that completes all the

155
00:14:20,500 --> 00:14:16,380
questions let us greet the crew Chris

156
00:14:24,140 --> 00:14:20,510
Cassidy expedition 36 welcome home Chris

157
00:14:27,200 --> 00:14:24,150
this was quite a memorable expedition

158
00:14:30,170 --> 00:14:27,210
for any number of reasons when you look

159
00:14:31,940 --> 00:14:30,180
back just a few hours ago you and

160
00:14:33,230 --> 00:14:31,950
undocked from the International Space

161
00:14:36,500 --> 00:14:33,240
Station and look back at this big

162
00:14:38,960 --> 00:14:36,510
complex that had been your home for a

163
00:14:40,940 --> 00:14:38,970

half a year basically what were your

164

00:14:43,760 --> 00:14:40,950

thoughts using you and your crewmates

165

00:14:46,400 --> 00:14:43,770

began the journey home well initially I

166

00:14:49,130 --> 00:14:46,410

remember thinking it seems just as big

167

00:14:50,660 --> 00:14:49,140

on departure as it does on arriving you

168

00:14:51,890 --> 00:14:50,670

know six months ago as we approached

169

00:14:53,960 --> 00:14:51,900

they looked out the window

170

00:14:56,120 --> 00:14:53,970

wow that's a big space station that was

171

00:14:57,380 --> 00:14:56,130

my same impression now but sort of a

172

00:15:00,620 --> 00:14:57,390

bigger picture what were my thoughts

173

00:15:02,900 --> 00:15:00,630

were what just happened those six months

174

00:15:05,810 --> 00:15:02,910

it was just a blur and a wonderful

175

00:15:08,240 --> 00:15:05,820

experience and so much happened and I

176

00:15:10,130 --> 00:15:08,250

was trying to think back we had the

177

00:15:12,260 --> 00:15:10,140

cargo vehicles the spacewalks both

178

00:15:15,140 --> 00:15:12,270

American in u.s.

179

00:15:19,460 --> 00:15:15,150

it just was a really busy time but very

180

00:15:22,340 --> 00:15:19,470

memorable and and to be with the crew of

181

00:15:25,910 --> 00:15:22,350

six we had now and the crew of six I was

182

00:15:27,500 --> 00:15:25,920

within 35 just really blessed with with

183

00:15:30,050 --> 00:15:27,510

wonderful crewmates and that's really

184

00:15:31,850 --> 00:15:30,060

when it comes out to his people and who

185

00:15:33,680 --> 00:15:31,860

you spend that time up there with and I

186

00:15:38,510 --> 00:15:33,690

was really happy to be up there with

187

00:15:40,910 --> 00:15:38,520

those guys and yeah you said throughout

188

00:15:42,980 --> 00:15:40,920

in fact pre-flight if not during the

189

00:15:44,600 --> 00:15:42,990

course of the increment that you were

190

00:15:46,970 --> 00:15:44,610

looking forward to the Soyuz ride home

191

00:15:49,100 --> 00:15:46,980

it has been affectionately described as

192

00:15:52,190 --> 00:15:49,110

the e-ticket how was it what were the

193

00:15:58,070 --> 00:15:52,200

most memorable milestones on the way

194

00:16:01,190 --> 00:15:58,080

down when that first parachute opening

195

00:16:03,940 --> 00:16:01,200

comes and before it gets reluctant under

196

00:16:07,070 --> 00:16:03,950

one canopy riser and spinning around

197

00:16:10,010 --> 00:16:07,080

like it really is like you're a sock

198

00:16:12,680 --> 00:16:10,020

inside of a clothes dryer that's the

199

00:16:15,320 --> 00:16:12,690

best way to describe it less maybe 15-20

200

00:16:17,000 --> 00:16:15,330

seconds until the it settles out and you

201
00:16:18,800 --> 00:16:17,010
get another parachute riser and you come

202
00:16:21,080 --> 00:16:18,810
down straight that was one big event and

203
00:16:24,110 --> 00:16:21,090
then our another really dynamic event

204
00:16:26,960 --> 00:16:24,120
was the heat shield jettison that was a

205
00:16:30,320 --> 00:16:26,970
pretty neat thing to see too and then of

206
00:16:31,730 --> 00:16:30,330
course landing itself but the

207
00:16:33,710 --> 00:16:31,740
interesting thing about landing is you

208
00:16:35,360 --> 00:16:33,720
can't see the ground coming up and you

209
00:16:38,510 --> 00:16:35,370
get a sort of a rough idea phone call

210
00:16:42,560 --> 00:16:38,520
from a radio call from the rescue folks

211
00:16:44,180 --> 00:16:42,570
but for about 30 or seconds or so you're

212
00:16:46,790 --> 00:16:44,190
okay is it coming now is it coming down

213
00:16:49,520 --> 00:16:46,800

so so it was just fun the whole the

214

00:16:51,980 --> 00:16:49,530

whole thing was was really neat to

215

00:16:53,990 --> 00:16:51,990

experience and that that vehicle does

216

00:16:55,910 --> 00:16:54,000

amazing things with with everything that

217

00:16:58,720 --> 00:16:55,920

happens from from the moment you are in

218

00:17:02,329 --> 00:16:58,730

dock from the space station to the land

219

00:17:04,579 --> 00:17:02,339

when the hatch opened and cool air began

220

00:17:06,429 --> 00:17:04,589

to come into the capsule beautiful

221

00:17:09,409 --> 00:17:06,439

morning out in the steppe of Kazakhstan

222

00:17:12,350 --> 00:17:09,419

what were your thoughts about the

223

00:17:14,360 --> 00:17:12,360

efficiency of the recovery operation but

224

00:17:16,309 --> 00:17:14,370

the fact that you were back on mother

225

00:17:17,900 --> 00:17:16,319

earth yeah you're right about the

226

00:17:20,270 --> 00:17:17,910

efficiency of the recovery operation I

227

00:17:25,750 --> 00:17:20,280

mean we we landed and literally maybe

228

00:17:28,130 --> 00:17:25,760

two or three minutes we heard the chief

229

00:17:29,630 --> 00:17:28,140

rescue guy on the radio could tell he

230

00:17:31,250 --> 00:17:29,640

was running yourself in pumping so he

231

00:17:33,350 --> 00:17:31,260

was very close and then shortly after

232

00:17:34,490 --> 00:17:33,360

that I heard people around the capsule

233

00:17:36,380 --> 00:17:34,500

and I just couldn't believe it

234

00:17:38,450 --> 00:17:36,390

if they were there already I guess

235

00:17:40,760 --> 00:17:38,460

that's the blessing of nice weather and

236

00:17:42,710 --> 00:17:40,770

clear skies and no wind

237

00:17:46,700 --> 00:17:42,720

and then once we got out it was just

238

00:17:48,230 --> 00:17:46,710

really nice to feel a breeze that's one

239

00:17:51,169 --> 00:17:48,240

thing I noticed right away was a breeze

240

00:17:53,299 --> 00:17:51,179

coming across my face and and seeing all

241

00:17:57,190 --> 00:17:53,309

the familiar faces both American and

242

00:18:00,620 --> 00:17:57,200

Russian that was really special to a

243

00:18:02,810 --> 00:18:00,630

ninja's to reflect back on I'm actually

244

00:18:05,750 --> 00:18:02,820

back on earth and making my way back

245

00:18:07,400 --> 00:18:05,760

towards home and I'll be there soon

246

00:18:13,910 --> 00:18:07,410

that's exciting thought to think about

247

00:18:15,500 --> 00:18:13,920

as well so yeah Chris the I often ask

248

00:18:18,650 --> 00:18:15,510

the question of crew members who have

249

00:18:20,630 --> 00:18:18,660

come back had a quiet moment weeks from

250

00:18:22,940 --> 00:18:20,640

now months from now a year from now if

251

00:18:25,640 --> 00:18:22,950

you sat down and try to write the

252

00:18:28,480 --> 00:18:25,650

history of expedition 36 and what the

253

00:18:31,640 --> 00:18:28,490

Space Station means and its impact today

254

00:18:33,410 --> 00:18:31,650

how would you describe this complex that

255

00:18:37,460 --> 00:18:33,420

you spend a half a year of your life on

256

00:18:39,760 --> 00:18:37,470

train for years to live and work on and

257

00:18:42,230 --> 00:18:39,770

and what it means in the context of

258

00:18:46,160 --> 00:18:42,240

research that will benefit mankind back

259

00:18:49,700 --> 00:18:46,170

on earth so it's a really complex

260

00:18:51,830 --> 00:18:49,710

machine that's always assembled all over

261

00:18:54,080 --> 00:18:51,840

the world and the fact that it is

262

00:18:55,820 --> 00:18:54,090

working so beautifully now there's a

263

00:18:58,970 --> 00:18:55,830

true testament to the engineering teams

264

00:19:01,310 --> 00:18:58,980

all over the place I mean we yes we had

265

00:19:04,040 --> 00:19:01,320

a problem with Lucas spacesuit but that

266

00:19:07,460 --> 00:19:04,050

is sort of a one-off event the vehicle

267

00:19:09,919 --> 00:19:07,470

itself had performed flawlessly really I

268

00:19:11,270 --> 00:19:09,929

mean we had some a few nuances and

269

00:19:13,280 --> 00:19:11,280

things like this but we're that the

270

00:19:15,350 --> 00:19:13,290

ground teams are able to handle it

271

00:19:19,619 --> 00:19:15,360

really well but as a whole that vehicle

272

00:19:23,279 --> 00:19:19,629

is just really coming along and and

273

00:19:26,499 --> 00:19:23,289

that is the technology that we've

274

00:19:28,629 --> 00:19:26,509

fine-tuned it really will help us as we

275

00:19:30,820 --> 00:19:28,639

go forward in our space program but to

276

00:19:33,669 --> 00:19:30,830

another planet or whatever is in store

277

00:19:36,519 --> 00:19:33,679

would for a big picture long-term plans

278

00:19:37,840 --> 00:19:36,529

at the space agency and in terms of bed

279

00:19:40,450 --> 00:19:37,850

everything back on earth there's many

280

00:19:45,850 --> 00:19:40,460

all the experiments that we participated

281

00:19:47,859 --> 00:19:45,860

in both as subjects ourselves and as

282

00:19:50,859 --> 00:19:47,869

sort of the eyes in the ears if you will

283

00:19:55,869 --> 00:19:50,869

of the scientists on the ground one of

284

00:19:58,779 --> 00:19:55,879

my favorites was the dealing with with

285

00:20:03,489 --> 00:19:58,789

fluid in the different size shapes of

286

00:20:05,769 --> 00:20:03,499

containers to use all that like a fuel

287

00:20:09,909 --> 00:20:05,779

tank if you will without pumps and then

288

00:20:12,639 --> 00:20:09,919

for ourselves when you think about

289

00:20:14,889 --> 00:20:12,649

remote areas of the world that can't

290

00:20:18,009 --> 00:20:14,899

have access to some of the medical care

291

00:20:21,249 --> 00:20:18,019

that we do in large cities or or in our

292

00:20:22,899 --> 00:20:21,259

own country it's nice to think about

293

00:20:24,759 --> 00:20:22,909

medical care that can reach those places

294

00:20:27,070 --> 00:20:24,769

and some of the experiments that we're

295

00:20:29,759 --> 00:20:27,080

doing do exactly that and I think I'm

296

00:20:32,889 --> 00:20:29,769

very hopeful hope very soon

297

00:20:35,109 --> 00:20:32,899

advanced medical care can get remote to

298

00:20:36,729 --> 00:20:35,119

remote locations from some of the

299

00:20:38,070 --> 00:20:36,739

experiments and research has been going

300

00:20:40,659 --> 00:20:38,080

on the space station

301
00:20:43,119 --> 00:20:40,669
biggest moment of your life the last six

302
00:20:47,289 --> 00:20:43,129
months in the last six months the

303
00:20:50,950 --> 00:20:47,299
biggest one of my life was probably that

304
00:20:55,720 --> 00:20:50,960
parachute opening it's an important

305
00:20:56,560 --> 00:20:55,730
event in the six months I think Chris

306
00:21:22,270 --> 00:20:56,570
welcome home

307
00:21:34,910 --> 00:21:27,110
the crew of Soyuz TMA your age has

308
00:21:45,710 --> 00:21:34,920
arrived to the ground congratulations

309
00:21:59,470 --> 00:21:45,720
happy happy birthday great right after

310
00:22:01,730 --> 00:21:59,480
landing dear crew let's proceed

311
00:22:08,720 --> 00:22:01,740
everything is fine and everything is

312
00:22:21,820 --> 00:22:08,730
fine it will get better and better let's