



1  
00:00:04,150 --> 00:00:02,310  
station this is houston acr please stand

2  
00:00:05,910 --> 00:00:04,160  
by for a voice check from the johnson

3  
00:00:08,629 --> 00:00:05,920  
space center

4  
00:00:12,629 --> 00:00:08,639  
station this is jscpao how do you hear

5  
00:00:19,670 --> 00:00:17,109  
jcpao we've got you loud and clear

6  
00:00:21,910 --> 00:00:19,680  
good morning and congratulations

7  
00:00:23,830 --> 00:00:21,920  
this is mark caro representing aviation

8  
00:00:26,070 --> 00:00:23,840  
week and space technology and i have a

9  
00:00:28,390 --> 00:00:26,080  
couple questions for you

10  
00:00:30,870 --> 00:00:28,400  
what in what in your minds is most

11  
00:00:33,430 --> 00:00:30,880  
remarkable about the achievement

12  
00:00:38,709 --> 00:00:33,440  
of 10 years of continuous habitation in

13  
00:00:44,389 --> 00:00:41,510

well i think what you said in itself is

14

00:00:45,270 --> 00:00:44,399

as a remarkable achievement 10 years of

15

00:00:48,229 --> 00:00:45,280

constant

16

00:00:50,470 --> 00:00:48,239

habitation in space is an amazing

17

00:00:52,630 --> 00:00:50,480

achievement in itself and

18

00:00:54,229 --> 00:00:52,640

i think along with that just assembling

19

00:00:56,709 --> 00:00:54,239

the space station while we're living in

20

00:01:00,389 --> 00:00:56,719

it is a remarkable remarkable

21

00:01:04,789 --> 00:01:03,029

thanks i wonder if you might uh

22

00:01:08,070 --> 00:01:04,799

maybe a couple of you kind of look in

23

00:01:09,990 --> 00:01:08,080

your crystal ball and uh

24

00:01:11,270 --> 00:01:10,000

and explain what sort of rings out to

25

00:01:13,030 --> 00:01:11,280

you

26

00:01:14,230 --> 00:01:13,040

might be the biggest challenges to

27

00:01:16,070 --> 00:01:14,240

sustaining

28

00:01:19,190 --> 00:01:16,080

your continuous presence on the space

29

00:01:20,950 --> 00:01:19,200

station what's what's out there that

30

00:01:23,109 --> 00:01:20,960

that really

31

00:01:30,630 --> 00:01:23,119

could upset this

32

00:01:34,550 --> 00:01:32,710

well i think with the uh you know the

33

00:01:36,950 --> 00:01:34,560

imminent uh retirement of the space

34

00:01:39,190 --> 00:01:36,960

shuttle logistics is uh certainly a

35

00:01:41,990 --> 00:01:39,200

challenge it's uh i think a challenge we

36

00:01:44,710 --> 00:01:42,000

will meet but uh you know clearly when

37

00:01:47,270 --> 00:01:44,720

we lose the capability to to fly the

38

00:01:49,670 --> 00:01:47,280

amount of mass up and down uh

39

00:01:51,429 --> 00:01:49,680

that the space shuttle provides we've uh

40

00:01:54,870 --> 00:01:51,439

you know lost a significant capability

41

00:01:56,789 --> 00:01:54,880

but i do think we will be able to

42

00:01:58,709 --> 00:01:56,799

you know continue

43

00:02:00,389 --> 00:01:58,719

uh supporting the space station but

44

00:02:03,350 --> 00:02:00,399

certainly it will be difficult without

45

00:02:07,670 --> 00:02:06,069

station this is houston acr please stand

46

00:02:11,750 --> 00:02:07,680

by for a voice check from the kennedy

47

00:02:17,750 --> 00:02:14,150

station this is kscpao how do you hear

48

00:02:20,949 --> 00:02:19,430

kennedy space center we have you loud

49

00:02:23,510 --> 00:02:20,959

and clear welcome aboard the space

50

00:02:25,030 --> 00:02:23,520

station

51

00:02:26,869 --> 00:02:25,040

hi this is robert perlman with

52

00:02:29,270 --> 00:02:26,879

collectspace.com

53

00:02:32,150 --> 00:02:29,280

ten years ago bill shepard initiated the

54

00:02:33,430 --> 00:02:32,160

space station's ship's log

55

00:02:35,270 --> 00:02:33,440

i wonder if

56

00:02:38,470 --> 00:02:35,280

if you've noted the passing of the first

57

00:02:48,830 --> 00:02:38,480

decade in that log or if you will and if

58

00:02:53,910 --> 00:02:51,509

written uh that's a good question robert

59

00:02:55,750 --> 00:02:53,920

yes the ship's log is here it's uh it's

60

00:02:58,390 --> 00:02:55,760

actually near the bell that was uh that

61

00:03:00,869 --> 00:02:58,400

was brought up as well to ring uh to

62

00:03:03,270 --> 00:03:00,879

bring new uh visiting vehicles aboard

63

00:03:06,630 --> 00:03:03,280

and uh and to sound their departure as

64

00:03:08,470 --> 00:03:06,640

well and um i've read uh some of the uh

65

00:03:10,149 --> 00:03:08,480

things in there i have not written uh my

66

00:03:12,470 --> 00:03:10,159

piece in there yet uh i've been thinking

67

00:03:14,949 --> 00:03:12,480

about it and probably will do so in the

68

00:03:17,990 --> 00:03:14,959

next couple of weeks probably we'll wait

69

00:03:20,149 --> 00:03:18,000

till uh uh the crew of discovery uh uh

70

00:03:21,430 --> 00:03:20,159

land safely back home and then

71

00:03:23,350 --> 00:03:21,440

sort of put my thoughts in there but

72

00:03:24,550 --> 00:03:23,360

it's it's fun to read and

73

00:03:28,869 --> 00:03:24,560

and to look at other people's

74

00:03:33,990 --> 00:03:32,149

and in uh preparation for uh first

75

00:03:36,309 --> 00:03:34,000

marking today i spent a little bit of

76  
00:03:38,630 --> 00:03:36,319  
time flipping through photos um from the

77  
00:03:40,550 --> 00:03:38,640  
past decade and and noticed that there

78  
00:03:42,070 --> 00:03:40,560  
were there were personal items left

79  
00:03:42,869 --> 00:03:42,080  
behind by uh

80  
00:03:45,270 --> 00:03:42,879  
by

81  
00:03:47,030 --> 00:03:45,280  
prior crews penance and and even action

82  
00:03:48,550 --> 00:03:47,040  
figures i wonder how often you come

83  
00:03:50,070 --> 00:03:48,560  
across these and are reminded of the

84  
00:03:51,110 --> 00:03:50,080  
prior crews that have come through the

85  
00:04:04,470 --> 00:03:51,120  
station

86  
00:04:08,949 --> 00:04:06,550  
scott scott's holding up a little robo

87  
00:04:10,550 --> 00:04:08,959  
guy that's left there that uh

88  
00:04:13,270 --> 00:04:10,560

that someone had brought as a little

89

00:04:15,990 --> 00:04:13,280

mascot for their robotic operations and

90

00:04:18,229 --> 00:04:16,000

we do see these uh these small uh uh

91

00:04:19,349 --> 00:04:18,239

things that uh we're unable to take home

92

00:04:21,509 --> 00:04:19,359

with us for

93

00:04:25,350 --> 00:04:21,519

whatever reason or they're left here uh

94

00:04:28,790 --> 00:04:25,360

as a as a sort of a token or a mascot

95

00:04:31,590 --> 00:04:28,800

for those that come come after but we do

96

00:04:34,710 --> 00:04:31,600

uh often run across uh

97

00:04:35,510 --> 00:04:34,720

things left uh you know notes left uh by

98

00:04:37,909 --> 00:04:35,520

uh

99

00:04:38,950 --> 00:04:37,919

former crews and that's it's kind of

100

00:04:42,150 --> 00:04:38,960

neat to get

101

00:04:44,150 --> 00:04:42,160

um the crew that left left us left us a

102

00:04:46,310 --> 00:04:44,160

nice note in the cupola

103

00:04:48,150 --> 00:04:46,320

and i think it's more

104

00:04:52,230 --> 00:04:48,160

it's more thoughts and very small

105

00:04:55,590 --> 00:04:53,909

yeah robert if i could uh just add

106

00:04:57,270 --> 00:04:55,600

something you know some of the some of

107

00:04:58,870 --> 00:04:57,280

the things are left intentionally like

108

00:05:02,469 --> 00:04:58,880

like doug was saying

109

00:05:06,150 --> 00:05:02,479

uh some you run across are unintentional

110

00:05:08,150 --> 00:05:06,160

sometimes useful sometimes not

111

00:05:15,189 --> 00:05:08,160

tracy caldwell left me her spoon which

112

00:05:20,310 --> 00:05:16,950

hi this is denise chao representing

113

00:05:22,710 --> 00:05:20,320

space.com first of all congratulations

114

00:05:24,790 --> 00:05:22,720

my question is uh if the space station

115

00:05:26,469 --> 00:05:24,800

program has extended you know through

116

00:05:28,310 --> 00:05:26,479

2020 and beyond

117

00:05:30,390 --> 00:05:28,320

for the next 10 years how do you

118

00:05:32,469 --> 00:05:30,400

envision that living and working aboard

119

00:05:39,029 --> 00:05:32,479

the space station will be different and

120

00:05:42,230 --> 00:05:40,870

well i think

121

00:05:44,310 --> 00:05:42,240

for the next

122

00:05:46,870 --> 00:05:44,320

many years however however many it is

123

00:05:48,629 --> 00:05:46,880

that the space station is is going uh

124

00:05:49,749 --> 00:05:48,639

life for six crew on board is going to

125

00:05:51,830 --> 00:05:49,759

be very similar to what we're

126

00:05:53,990 --> 00:05:51,840

experiencing now

127

00:05:56,230 --> 00:05:54,000

we have to maintain the station we have

128

00:05:57,670 --> 00:05:56,240

our science experiments to do and that

129

00:05:59,590 --> 00:05:57,680

certainly will all continue in the

130

00:06:02,309 --> 00:05:59,600

future so i think we'll get into a nice

131

00:06:07,590 --> 00:06:02,319

steady state pattern of of living and

132

00:06:11,830 --> 00:06:09,830

and how have each of you individually

133

00:06:21,510 --> 00:06:11,840

helped to make the station a home for

134

00:06:25,830 --> 00:06:24,150

well you know we have um i i haven't

135

00:06:28,390 --> 00:06:25,840

been here very long less than a month

136

00:06:30,629 --> 00:06:28,400

but we have these uh crew quarters uh

137

00:06:32,550 --> 00:06:30,639

that we sleep in that are kind of

138

00:06:34,950 --> 00:06:32,560

you know somewhat personalized with uh

139

00:06:37,670 --> 00:06:34,960

you know personal items pictures uh

140

00:06:39,350 --> 00:06:37,680

things you you bring you know on a

141

00:06:41,510 --> 00:06:39,360

personal level so

142

00:06:43,110 --> 00:06:41,520

that makes it uh you know having those

143

00:06:44,390 --> 00:06:43,120

those kind of items there makes it

144

00:06:46,469 --> 00:06:44,400

somewhat uh

145

00:06:50,309 --> 00:06:46,479

you know more like home i guess you

146

00:06:53,749 --> 00:06:52,469

hi everyone it's bill harwood with cbs

147

00:06:55,589 --> 00:06:53,759

news and uh

148

00:06:57,909 --> 00:06:55,599

i'd like to ask alexander kaleri if i

149

00:06:58,950 --> 00:06:57,919

could a little bit uh to mark the 10th

150

00:07:00,950 --> 00:06:58,960

anniversary you're one of the most

151  
00:07:02,309 --> 00:07:00,960  
veteran cosmonauts around and i'm i'm

152  
00:07:03,990 --> 00:07:02,319  
wondering what your impressions are of

153  
00:07:05,430 --> 00:07:04,000  
the lab now versus when you were there

154  
00:07:07,189 --> 00:07:05,440  
before and and

155  
00:07:10,469 --> 00:07:07,199  
and how you think the station can be

156  
00:07:22,390 --> 00:07:10,479  
sustained after the shuttle uh stops

157  
00:07:25,510 --> 00:07:24,550  
lap is very similar to the

158  
00:07:26,629 --> 00:07:25,520  
to

159  
00:07:30,550 --> 00:07:26,639  
that

160  
00:07:33,430 --> 00:07:30,560  
war seven years ago than i was here with

161  
00:07:37,990 --> 00:07:33,440  
mike fall in expedition 8

162  
00:07:39,670 --> 00:07:38,000  
but there are some new modules and

163  
00:07:41,189 --> 00:07:39,680

it's amazing and

164

00:07:43,110 --> 00:07:41,199

it's good

165

00:07:45,029 --> 00:07:43,120

it's well known from

166

00:07:49,110 --> 00:07:45,039

ground simulators

167

00:07:51,830 --> 00:07:49,120

but weightlessness is beautiful here

168

00:07:59,350 --> 00:07:55,430

shuttle stopping i think that

169

00:08:02,550 --> 00:07:59,360

it's not a real problem to supply

170

00:08:04,469 --> 00:08:02,560

the station and with consumables and

171

00:08:08,469 --> 00:08:04,479

some

172

00:08:11,029 --> 00:08:08,479

but i think it's real cheering real

173

00:08:12,390 --> 00:08:11,039

problem to deliver the

174

00:08:14,150 --> 00:08:12,400

results

175

00:08:17,909 --> 00:08:14,160

now we can

176

00:08:21,909 --> 00:08:17,919

deliver only data digital data

177

00:08:22,710 --> 00:08:21,919

but some sometimes it's necessary to

178

00:08:24,070 --> 00:08:22,720

to

179

00:08:27,110 --> 00:08:24,080

bring back

180

00:08:29,350 --> 00:08:27,120

some physical items like biotechnology

181

00:08:30,550 --> 00:08:29,360

biology and

182

00:08:32,949 --> 00:08:30,560

so on

183

00:08:35,670 --> 00:08:32,959

so it's a problem but i think it will be

184

00:08:39,990 --> 00:08:37,829

thanks and and and uh scott if i could

185

00:08:41,430 --> 00:08:40,000

ask you a similar question

186

00:08:42,709 --> 00:08:41,440

we were we were told at the pre-fight

187

00:08:43,909 --> 00:08:42,719

briefing john shannon was saying you

188

00:08:46,949 --> 00:08:43,919

know if they didn't get permission to

189

00:08:48,949 --> 00:08:46,959

fly 135 that in 2012 the station would

190

00:08:50,550 --> 00:08:48,959

really be in a crunch logistically uh if

191

00:08:52,550 --> 00:08:50,560

some of the commercial guys don't step

192

00:08:54,389 --> 00:08:52,560

up and get their vehicles flying

193

00:08:55,590 --> 00:08:54,399

he was implying that there might be some

194

00:08:57,110 --> 00:08:55,600

chance you have to go back down to a

195

00:08:58,870 --> 00:08:57,120

crew size of three

196

00:09:00,949 --> 00:08:58,880

if the commercial guys didn't step up

197

00:09:02,550 --> 00:09:00,959

how big of an impact would that be if

198

00:09:04,630 --> 00:09:02,560

that happens down the road and you have

199

00:09:06,150 --> 00:09:04,640

to go back down to three people and i

200

00:09:11,990 --> 00:09:06,160

guess just your confidence level that

201  
00:09:16,470 --> 00:09:14,550  
well it certainly have an impact on you

202  
00:09:18,710 --> 00:09:16,480  
know our ability to to do what we're

203  
00:09:20,949 --> 00:09:18,720  
doing now the science maintaining the

204  
00:09:23,750 --> 00:09:20,959  
space station

205  
00:09:26,230 --> 00:09:23,760  
we as a crew of six are all of us are

206  
00:09:28,949 --> 00:09:26,240  
busy practically all the time so

207  
00:09:30,710 --> 00:09:28,959  
uh clearly there's an impact and and uh

208  
00:09:31,670 --> 00:09:30,720  
you know how

209  
00:09:33,829 --> 00:09:31,680  
what

210  
00:09:36,070 --> 00:09:33,839  
areas of station operations are impacted

211  
00:09:39,509 --> 00:09:36,080  
it'll have to be you know a decision the

212  
00:09:43,990 --> 00:09:41,430  
but clearly you know six people can do

213  
00:09:47,269 --> 00:09:44,000

twice as much work as three

214

00:09:48,630 --> 00:09:47,279

um my confidence on whether or not

215

00:09:50,630 --> 00:09:48,640

that'll happen

216

00:09:53,269 --> 00:09:50,640

you know that's not a really a good

217

00:09:55,269 --> 00:09:53,279

question for me to answer i'm not you

218

00:09:56,389 --> 00:09:55,279

know i'm familiar with this increment

219

00:09:58,630 --> 00:09:56,399

and

220

00:10:02,470 --> 00:09:58,640

you know what the uh

221

00:10:05,509 --> 00:10:02,480

the plan is to resupply the the station

222

00:10:06,870 --> 00:10:05,519

with spares and other logistical items

223

00:10:09,750 --> 00:10:06,880

years from now

224

00:10:11,590 --> 00:10:09,760

is uh you know not something i'm i'm an

225

00:10:13,430 --> 00:10:11,600

expert on but

226

00:10:15,110 --> 00:10:13,440

you know like like sasha said i think

227

00:10:17,110 --> 00:10:15,120

it's uh you know it's

228

00:10:18,790 --> 00:10:17,120

a challenge that we

229

00:10:20,630 --> 00:10:18,800

will be able to meet

230

00:10:22,069 --> 00:10:20,640

but certainly it's it's going to be a

231

00:10:23,670 --> 00:10:22,079

challenge

232

00:10:25,750 --> 00:10:23,680

thanks a lot and one last quick one for

233

00:10:27,190 --> 00:10:25,760

me it's election day down here and uh i

234

00:10:28,470 --> 00:10:27,200

know the discovery crew said they all

235

00:10:29,670 --> 00:10:28,480

voted before they flew to florida just

236

00:10:31,670 --> 00:10:29,680

wondering if you guys got a chance to

237

00:10:35,509 --> 00:10:31,680

vote the americans before you before you

238

00:10:40,470 --> 00:10:37,829

yeah actually all three of us uh did

239

00:10:42,790 --> 00:10:40,480

vote um i'm not sure when doug and

240

00:10:45,190 --> 00:10:42,800

shannon voted i know they voted on board

241

00:10:48,150 --> 00:10:45,200

uh like i did i voted on uh

242

00:10:50,310 --> 00:10:48,160

on sunday through a uh electronic email

243

00:10:53,430 --> 00:10:50,320

system that actually we have

244

00:10:56,069 --> 00:10:53,440

uh that i think texas actually passed a

245

00:10:57,030 --> 00:10:56,079

law uh where we could vote from space

246

00:10:59,590 --> 00:10:57,040

and uh

247

00:11:01,829 --> 00:10:59,600

you know we it was kind of it felt like

248

00:11:03,750 --> 00:11:01,839

an honor and a privilege to exercise our

249

00:11:06,150 --> 00:11:03,760

rights as u.s citizens from the

250

00:11:08,230 --> 00:11:06,160

international space station

251  
00:11:09,910 --> 00:11:08,240  
station this is houston acr we're back

252  
00:11:12,870 --> 00:11:09,920  
with you please stand by for a voice

253  
00:11:14,630 --> 00:11:12,880  
check from moscow pao

254  
00:11:15,910 --> 00:11:14,640  
station

255  
00:11:20,310 --> 00:11:15,920  
this is moscow

256  
00:11:24,069 --> 00:11:21,750  
moscow we've got you loud and clear

257  
00:11:29,269 --> 00:11:24,079  
welcome aboard the space station

258  
00:11:33,269 --> 00:11:31,030  
hello and congratulations my name is

259  
00:11:34,310 --> 00:11:33,279  
stacey bivens i'm with russia today and

260  
00:11:36,710 --> 00:11:34,320  
if you just look at the numbers

261  
00:11:38,870 --> 00:11:36,720  
associated with the iss it's extremely

262  
00:11:41,350 --> 00:11:38,880  
impressive 10 years continuous

263  
00:11:43,509 --> 00:11:41,360

habitation in space more than 600

264

00:11:45,430 --> 00:11:43,519

experiments conducted the corporation of

265

00:11:46,870 --> 00:11:45,440

15 nations and we all know that

266

00:11:48,949 --> 00:11:46,880

everybody associated has been the

267

00:11:50,790 --> 00:11:48,959

consummate and professionals but what do

268

00:11:52,790 --> 00:11:50,800

you do now this is a historic moment and

269

00:11:54,310 --> 00:11:52,800

you guys are human are you going to

270

00:11:56,389 --> 00:11:54,320

celebrate and how will you celebrate

271

00:11:58,230 --> 00:11:56,399

will you bust out some garth brooks have

272

00:12:03,910 --> 00:11:58,240

a dance-off have some cristal what will

273

00:12:07,670 --> 00:12:05,829

well right now we're celebrating by

274

00:12:09,030 --> 00:12:07,680

getting ready for hurricane discovery

275

00:12:12,310 --> 00:12:09,040

that's going to be on its way here in a

276

00:12:14,790 --> 00:12:12,320

couple of days uh but uh we we just have

277

00:12:17,110 --> 00:12:14,800

a few moments to pause and uh and uh and

278

00:12:18,949 --> 00:12:17,120

talk about old times and uh some maybe

279

00:12:21,350 --> 00:12:18,959

some experiences of the past but then

280

00:12:23,110 --> 00:12:21,360

it's time to get back to work but uh

281

00:12:25,190 --> 00:12:23,120

we're just uh

282

00:12:27,269 --> 00:12:25,200

excited to talk to you today and this is

283

00:12:37,430 --> 00:12:27,279

our celebration actually and then we're

284

00:12:43,110 --> 00:12:41,350

hello my name is saint petersburg and uh

285

00:12:45,030 --> 00:12:43,120

channel five i have a question to the

286

00:12:46,870 --> 00:12:45,040

russian cosmonauts first of all

287

00:12:50,310 --> 00:12:46,880

congratulations

288

00:12:53,509 --> 00:12:50,320

and second i do have any tradition which

289

00:12:55,430 --> 00:12:53,519

has been kept on board for 10 years

290

00:12:58,150 --> 00:12:55,440

further this is not your first time in

291

00:12:59,750 --> 00:12:58,160

flight could you tell us uh how the

292

00:13:01,430 --> 00:12:59,760

station changed

293

00:13:18,150 --> 00:13:01,440

in front of your eyes and what you were

294

00:13:21,590 --> 00:13:19,190

i would say

295

00:13:23,269 --> 00:13:21,600

it's like a baby you see a baby has been

296

00:13:27,430 --> 00:13:23,279

born and then

297

00:13:29,670 --> 00:13:27,440

the child has his 10th birthday and

298

00:13:31,750 --> 00:13:29,680

now he's intelligent and

299

00:13:34,790 --> 00:13:31,760

his wondering has questions and that's

300

00:13:37,269 --> 00:13:34,800

like the station looks it's quite big it

301  
00:13:40,710 --> 00:13:37,279  
has lots of volume

302  
00:13:42,790 --> 00:13:40,720  
and it's grown up it's it's nearly done

303  
00:13:44,790 --> 00:13:42,800  
as regards the traditions i would say

304  
00:13:49,350 --> 00:13:44,800  
that the imagination for me

305  
00:13:51,829 --> 00:13:50,949  
do everything they can

306  
00:13:53,829 --> 00:13:51,839  
they

307  
00:13:56,069 --> 00:13:53,839  
put their heart their soul in what

308  
00:13:57,590 --> 00:13:56,079  
they're doing during their lush time and

309  
00:13:59,670 --> 00:13:57,600  
during their

310  
00:14:01,590 --> 00:13:59,680  
business hours and this is probably the

311  
00:14:02,710 --> 00:14:01,600  
main tradition then second tradition is

312  
00:14:05,350 --> 00:14:02,720  
that

313  
00:14:07,350 --> 00:14:05,360

there are no u.s citizens there are no

314

00:14:09,030 --> 00:14:07,360

japanese citizens there are no russians

315

00:14:11,910 --> 00:14:09,040

in our crew

316

00:14:14,470 --> 00:14:11,920

what we have is like our crew we have

317

00:14:15,509 --> 00:14:14,480

doug we have scott we have oleg we have

318

00:14:17,269 --> 00:14:15,519

shannon

319

00:14:18,230 --> 00:14:17,279

we have alexander

320

00:14:20,710 --> 00:14:18,240

and uh

321

00:14:23,030 --> 00:14:20,720

the main tradition is that the crew

322

00:14:27,590 --> 00:14:23,040

has its crew members independent of

323

00:14:32,790 --> 00:14:28,829

hello my name

324

00:14:34,069 --> 00:14:32,800

is i'm from karalov tv

325

00:14:35,910 --> 00:14:34,079

in what manner are you going to

326

00:14:41,829 --> 00:14:35,920

celebrate the 10th anniversary and if

327

00:14:41,839 --> 00:14:45,750

meet me

328

00:14:50,870 --> 00:14:48,710

but by hard labor not only

329

00:14:53,189 --> 00:14:50,880

the way it used to be in our country

330

00:14:54,389 --> 00:14:53,199

also in our countries and

331

00:14:56,389 --> 00:14:54,399

generally speaking this is the first

332

00:14:58,790 --> 00:14:56,399

time we're all together here

333

00:15:00,710 --> 00:14:58,800

are we going to have a joint dinner yes

334

00:15:03,110 --> 00:15:00,720

we're going to because that's the way we

335

00:15:05,350 --> 00:15:03,120

have it each and every day

336

00:15:07,750 --> 00:15:05,360

and probably today our dinner will take

337

00:15:10,069 --> 00:15:07,760

place so in the sm module in the service

338

00:15:12,230 --> 00:15:10,079

module the way it used to be 10 years

339

00:15:14,230 --> 00:15:12,240

ago and i hope micro members agree with

340

00:15:21,509 --> 00:15:14,240

me yes they're okay then that's the way

341

00:15:26,550 --> 00:15:25,829

hello this is a dmitry interfax

342

00:15:28,949 --> 00:15:26,560

have

343

00:15:31,189 --> 00:15:28,959

a question to fear

344

00:15:32,470 --> 00:15:31,199

i'm sorry to alexander

345

00:15:34,710 --> 00:15:32,480

what is

346

00:15:36,949 --> 00:15:34,720

your view on the uh technical abilities

347

00:15:39,749 --> 00:15:36,959

of the station can we extend its life

348

00:15:41,590 --> 00:15:39,759

beyond 2020 and what needs to be done

349

00:15:45,189 --> 00:15:41,600

for that

350

00:15:48,310 --> 00:15:45,199

and question number two to theodore

351

00:15:50,790 --> 00:15:48,320

were you disappointed because of

352

00:15:57,829 --> 00:15:50,800

two evas previously planned and now only

353

00:16:01,430 --> 00:15:59,829

well i'm probably going to talk about

354

00:16:03,509 --> 00:16:01,440

the technical aspects of the station i

355

00:16:06,550 --> 00:16:03,519

think it's for the special decide how

356

00:16:07,990 --> 00:16:06,560

exactly to extend its life beyond 2020

357

00:16:09,030 --> 00:16:08,000

because there are lots of technical

358

00:16:10,949 --> 00:16:09,040

issues

359

00:16:13,590 --> 00:16:10,959

resources and

360

00:16:16,389 --> 00:16:13,600

something to be tested and to be

361

00:16:18,230 --> 00:16:16,399

concluded by tests but if the decision

362

00:16:19,430 --> 00:16:18,240

is made i don't see why the station

363

00:16:22,389 --> 00:16:19,440

cannot

364

00:16:25,350 --> 00:16:22,399

continue its operations

365

00:16:27,829 --> 00:16:25,360

i guess the main reason is uh our target

366

00:16:30,870 --> 00:16:27,839

what for our goals our aims or what do

367

00:16:32,790 --> 00:16:30,880

we need to keep the station alive and we

368

00:16:35,350 --> 00:16:32,800

have 10 years to answer this question

369

00:16:37,590 --> 00:16:35,360

and to understand for ourselves what

370

00:16:43,189 --> 00:16:37,600

exactly we need the station for and then

371

00:16:50,389 --> 00:16:46,230

regarding my evas so not only me all

372

00:16:54,310 --> 00:16:52,629

when we launched we thought there were

373

00:16:56,150 --> 00:16:54,320

going to be three events now we have

374

00:16:59,110 --> 00:16:56,160

only two and

375

00:17:01,829 --> 00:16:59,120

this very eva depends very much on what

376

00:17:04,150 --> 00:17:01,839

a program the orbiter will have and i

377

00:17:05,990 --> 00:17:04,160

hope the shuttle will launch and the eva

378

00:17:07,750 --> 00:17:06,000

will take place of course three is

379

00:17:13,829 --> 00:17:07,760

better than two but two is better than

380

00:17:20,710 --> 00:17:16,390

alexander kovalev from a renovation news

381

00:17:25,270 --> 00:17:20,720

agency a question to alexander kaleri

382

00:17:29,830 --> 00:17:27,510

you happen to

383

00:17:32,470 --> 00:17:29,840

work as a

384

00:17:35,510 --> 00:17:32,480

as a specialist to dock the progress

385

00:17:40,870 --> 00:17:38,789

could you tell us what exactly happened

386

00:17:51,669 --> 00:17:40,880

and why did you have to

387

00:17:55,590 --> 00:17:53,669

ground specialists they're the ones who

388

00:17:56,950 --> 00:17:55,600

analyze the situation who provide

389

00:17:59,510 --> 00:17:56,960

conclusions

390

00:18:02,150 --> 00:17:59,520

i was told to switch to

391

00:18:04,630 --> 00:18:02,160

manual docking and what was the reason

392

00:18:24,950 --> 00:18:04,640

for that i think you have to ask

393

00:18:31,270 --> 00:18:28,390

you uh took part in the uh

394

00:18:32,789 --> 00:18:31,280

questionnaire on the board station

395

00:18:34,789 --> 00:18:32,799

and is there something else that you

396

00:18:46,710 --> 00:18:34,799

have to do when you're up there what

397

00:18:52,710 --> 00:18:49,909

we celebrated uh by uh we had a progress

398

00:18:55,750 --> 00:18:52,720

vehicle that came aboard and so uh

399

00:18:57,830 --> 00:18:55,760

um in in in the states we celebrate uh

400

00:18:59,750 --> 00:18:57,840

by uh dressing up and uh

401  
00:19:03,190 --> 00:18:59,760  
and going from uh home to home

402  
00:19:05,830 --> 00:19:03,200  
trick-or-treating uh for candy and uh

403  
00:19:08,710 --> 00:19:05,840  
so uh we had a progress vehicle that uh

404  
00:19:11,590 --> 00:19:08,720  
that came aboard on on saturday and so

405  
00:19:14,470 --> 00:19:11,600  
on halloween we were able to get our

406  
00:19:16,789 --> 00:19:14,480  
our crew care packages from home

407  
00:19:19,029 --> 00:19:16,799  
and so we had uh we had lots of treats

408  
00:19:28,150 --> 00:19:19,039  
in there so and we celebrated just as a

409  
00:19:33,909 --> 00:19:31,750  
if oleg and i had had our eva prior to

410  
00:19:36,710 --> 00:19:33,919  
halloween we would have taken orange

411  
00:19:51,190 --> 00:19:36,720  
paint and we would have painted per or

412  
00:19:55,350 --> 00:19:53,029  
could you let us know what scientific

413  
00:20:06,789 --> 00:19:55,360

experiments are taking place as of now

414

00:20:10,149 --> 00:20:08,070

there's a wide range of experiments

415

00:20:12,630 --> 00:20:10,159

taking place

416

00:20:15,830 --> 00:20:12,640

this is a fluid behavior in the

417

00:20:20,710 --> 00:20:16,950

then uh

418

00:20:23,750 --> 00:20:20,720

crystal growing protein crystal growing

419

00:20:24,870 --> 00:20:23,760

and if our eva does take place we're

420

00:20:28,310 --> 00:20:24,880

going to

421

00:20:30,470 --> 00:20:28,320

mount certain hardware let's say a rock

422

00:20:32,470 --> 00:20:30,480

station for mountain new scientific

423

00:20:34,789 --> 00:20:32,480

hardware

424

00:20:37,430 --> 00:20:34,799

yeah what's this to it in addition we're

425

00:20:38,789 --> 00:20:37,440

going to have some research

426  
00:20:42,149 --> 00:20:38,799  
looking into

427  
00:20:45,190 --> 00:20:42,159  
how a mission a space flight

428  
00:20:48,070 --> 00:20:45,200  
impacts the outer shell of the station

429  
00:20:51,830 --> 00:20:48,080  
etc etc etc i'd like to add something

430  
00:20:56,149 --> 00:20:53,990  
experiment the scientific program

431  
00:20:58,630 --> 00:20:56,159  
started 10 years ago with experiment a

432  
00:21:04,230 --> 00:20:58,640  
plasma crystal and now we started a new

433  
00:21:09,190 --> 00:21:06,549  
station this is houston acr that

434  
00:21:10,789 --> 00:21:09,200  
concludes questions from mccm

435  
00:21:13,669 --> 00:21:10,799  
please stand by for a voice check from

436  
00:21:20,549 --> 00:21:13,679  
jackson pao

437  
00:21:24,149 --> 00:21:22,630  
jaxa pao we have you loud and clear

438  
00:21:38,950 --> 00:21:24,159

welcome aboard the international space

439

00:21:44,870 --> 00:21:42,870

the congratulations to you on the 10th

440

00:21:46,070 --> 00:21:44,880

anniversary

441

00:21:48,230 --> 00:21:46,080

last year

442

00:21:49,110 --> 00:21:48,240

kibo was complete

443

00:21:50,070 --> 00:21:49,120

and

444

00:21:52,870 --> 00:21:50,080

from

445

00:21:54,470 --> 00:21:52,880

the earth we are really amazed that the

446

00:21:55,270 --> 00:21:54,480

kibo

447

00:21:58,230 --> 00:21:55,280

is

448

00:21:59,270 --> 00:21:58,240

working really well and the how do you

449

00:22:02,470 --> 00:21:59,280

feel

450

00:22:04,950 --> 00:22:02,480

about it do you think that kibo is

451  
00:22:08,070 --> 00:22:04,960  
functioning well and have experienced

452  
00:22:14,310 --> 00:22:08,080  
any problem or trouble or communicating

453  
00:22:19,669 --> 00:22:17,590  
i think the kibo laboratory is is an

454  
00:22:22,390 --> 00:22:19,679  
extremely nice facility to have up here

455  
00:22:23,590 --> 00:22:22,400  
it's one of my favorite places to be on

456  
00:22:25,510 --> 00:22:23,600  
the station

457  
00:22:28,070 --> 00:22:25,520  
all the equipment functions very well

458  
00:22:29,510 --> 00:22:28,080  
and every experiment that i have worked

459  
00:22:33,590 --> 00:22:29,520  
on

460  
00:22:52,789 --> 00:22:33,600  
very well so i'm i'm

461  
00:22:59,190 --> 00:22:55,830  
a tough looking vehicle so what do you

462  
00:22:59,200 --> 00:23:08,870  
r2 is a robot i mean

463  
00:23:12,470 --> 00:23:10,630

well we're we're going to be glad to

464

00:23:14,310 --> 00:23:12,480

welcome robonaut aboard we're not we

465

00:23:15,909 --> 00:23:14,320

don't know too much about him so we're

466

00:23:18,630 --> 00:23:15,919

going to be a little apprehensive i

467

00:23:21,510 --> 00:23:18,640

think getting to know the new robot uh

468

00:23:23,270 --> 00:23:21,520

but i know there's a lot of uh uh

469

00:23:25,750 --> 00:23:23,280

just really sharp engineers that have

470

00:23:28,149 --> 00:23:25,760

worked on this project and we're we're

471

00:23:30,950 --> 00:23:28,159

very excited to add that to um

472

00:23:33,350 --> 00:23:30,960

to the technology that's on board and uh

473

00:23:35,830 --> 00:23:33,360

and actually get some data for them to

474

00:23:38,710 --> 00:23:35,840

be able to to expand a little bit on

475

00:23:40,710 --> 00:23:38,720

this robotic technology

476  
00:24:02,710 --> 00:23:40,720  
to assist us in the future both inside

477  
00:24:06,470 --> 00:24:04,789  
you are really veterans

478  
00:24:10,230 --> 00:24:06,480  
would you please hear us your

479  
00:24:13,029 --> 00:24:10,240  
observation about how this food on

480  
00:24:15,430 --> 00:24:13,039  
spaceship has changed over the last 10

481  
00:24:25,350 --> 00:24:15,440  
years and also i appreciate your comment

482  
00:24:29,190 --> 00:24:27,110  
well one of the great things about this

483  
00:24:29,909 --> 00:24:29,200  
being an international program is that

484  
00:24:32,310 --> 00:24:29,919  
we

485  
00:24:35,269 --> 00:24:32,320  
now have an international menu unlike on

486  
00:24:37,510 --> 00:24:35,279  
my my first flight which was a mission

487  
00:24:40,070 --> 00:24:37,520  
to the hubble space telescope hubble

488  
00:24:41,909 --> 00:24:40,080

repair mission we only had the u.s menu

489

00:24:43,990 --> 00:24:41,919

and when you're in space for a really

490

00:24:46,070 --> 00:24:44,000

long time variety and

491

00:24:48,630 --> 00:24:46,080

in many things but particularly food is

492

00:24:49,510 --> 00:24:48,640

important so it's uh great to have the

493

00:24:52,070 --> 00:24:49,520

option

494

00:24:54,789 --> 00:24:52,080

of having the menu choices that this

495

00:25:06,789 --> 00:24:54,799

international partnership brings and

496

00:25:12,390 --> 00:25:09,190

my name is hayashi free writer i have a

497

00:25:25,430 --> 00:25:12,400

question for alexander kaleri you were

498

00:25:29,990 --> 00:25:27,750

space station to operate another 10

499

00:25:58,789 --> 00:25:30,000

years what is the most important thing

500

00:26:03,909 --> 00:26:02,070

i guess so there is no crisis right now

501  
00:26:06,230 --> 00:26:03,919  
at least that's our point of view the

502  
00:26:07,350 --> 00:26:06,240  
cruise point of view we work together we

503  
00:26:09,510 --> 00:26:07,360  
perform

504  
00:26:11,510 --> 00:26:09,520  
the activities where we're supposed to

505  
00:26:13,669 --> 00:26:11,520  
be formed so i guess if we continue to

506  
00:26:32,470 --> 00:26:13,679  
work together there is no way we might

507  
00:26:36,950 --> 00:26:33,830  
red shirts

508  
00:26:41,669 --> 00:26:36,960  
i wonder whether we can buy

509  
00:26:49,590 --> 00:26:41,679  
your shirts at nasa shops or nasa

510  
00:26:53,029 --> 00:26:52,149  
yes actually our cruise our crew shirts

511  
00:26:55,110 --> 00:26:53,039  
are

512  
00:26:58,710 --> 00:26:55,120  
we get them from a company in the us but

513  
00:27:01,350 --> 00:26:58,720

uh they are available the the logo for

514

00:27:03,669 --> 00:27:01,360

for our mission is available as well and

515

00:27:05,669 --> 00:27:03,679

so they're avail available for purchase

516

00:27:09,269 --> 00:27:05,679

in any type of style or color that you'd

517

00:27:16,870 --> 00:27:11,669

station this is houston acr and um

518

00:27:21,750 --> 00:27:18,310

that concludes the event thank you all

519

00:27:21,760 --> 00:27:25,430

okay thank you guys

520

00:27:30,070 --> 00:27:27,750

thank you to nasa administrator bolden

521

00:27:33,269 --> 00:27:30,080

to the media at nasa centers to the

522

00:27:35,909 --> 00:27:33,279

russian media at mcc moscow and the

523

00:27:38,310 --> 00:27:35,919

japanese media in tokyo