



1
00:00:18,630 --> 00:00:15,990
station houston space round two we have

2
00:00:21,990 --> 00:00:18,640
you expect we may get a possible drop

3
00:00:24,310 --> 00:00:22,000
out at 2 46. we've gone to high power we

4
00:00:27,349 --> 00:00:24,320
may not get it but be

5
00:00:33,190 --> 00:00:27,359
alert iss this is houston are you ready

6
00:00:39,910 --> 00:00:36,430
we are ready for the event

7
00:00:42,229 --> 00:00:39,920
jscpao this is houston please call iss

8
00:00:44,950 --> 00:00:42,239
for a voice check

9
00:00:49,910 --> 00:00:44,960
endeavour iss this is jscpao how do you

10
00:00:54,229 --> 00:00:52,069
rob we have you loud and clear and uh

11
00:00:56,150 --> 00:00:54,239
happy to talk you talk and take your

12
00:00:57,670 --> 00:00:56,160
questions today

13
00:00:59,990 --> 00:00:57,680

good to talk to you jeff and the media

14

00:01:04,310 --> 00:01:02,470

hello everyone you all look great

15

00:01:07,109 --> 00:01:04,320

this is jill tulk representing the

16

00:01:09,109 --> 00:01:07,119

beacon villager in maynard massachusetts

17

00:01:11,030 --> 00:01:09,119

a question for nick patrick from air

18

00:01:13,510 --> 00:01:11,040

race pilot michael gulian

19

00:01:15,510 --> 00:01:13,520

michael says just being there to watch

20

00:01:17,749 --> 00:01:15,520

the launch for two nights in a row with

21

00:01:19,030 --> 00:01:17,759

changeable weather was a roller coaster

22

00:01:20,870 --> 00:01:19,040

of emotions

23

00:01:23,190 --> 00:01:20,880

when you get so close to a launch and

24

00:01:25,190 --> 00:01:23,200

it's delayed like it was last week how

25

00:01:31,109 --> 00:01:25,200

do you get psyched up to do it all over

26

00:01:34,310 --> 00:01:32,469

that's a that's a good question and

27

00:01:35,510 --> 00:01:34,320

hello to mike i'm glad he was able to

28

00:01:36,710 --> 00:01:35,520

watch with us

29

00:01:38,149 --> 00:01:36,720

um

30

00:01:40,310 --> 00:01:38,159

we were a little disappointed obviously

31

00:01:42,069 --> 00:01:40,320

to come off the launch pad uh in our

32

00:01:43,670 --> 00:01:42,079

suits rather than

33

00:01:45,270 --> 00:01:43,680

being pushed off it by the the main

34

00:01:47,350 --> 00:01:45,280

engines and the solid rockets the first

35

00:01:50,950 --> 00:01:47,360

night but it's not hard to get psyched

36

00:01:52,950 --> 00:01:50,960

up again when you know uh what's ahead

37

00:01:54,630 --> 00:01:52,960

the the second night

38

00:01:56,149 --> 00:01:54,640

was maybe even better than the first

39

00:01:57,990 --> 00:01:56,159
because we were all well prepared having

40

00:01:59,270 --> 00:01:58,000
just been through the night before and

41

00:02:01,030 --> 00:01:59,280
the launch went off the second time

42

00:02:03,350 --> 00:02:01,040
without a hitch so i would say

43

00:02:04,950 --> 00:02:03,360
it's it's not hard to get to to get

44

00:02:07,510 --> 00:02:04,960
really psyched up a second time for a

45

00:02:09,350 --> 00:02:07,520
launch like that

46

00:02:11,589 --> 00:02:09,360
thanks for the good words another

47

00:02:13,830 --> 00:02:11,599
question for you nick before your launch

48

00:02:16,550 --> 00:02:13,840
we had talked about captain james cook

49

00:02:18,630 --> 00:02:16,560
and his vessel the hmb endeavor i did

50

00:02:20,949 --> 00:02:18,640
find out that andy thomas flew a wooden

51
00:02:23,670 --> 00:02:20,959
piece of the anchor from cook's endeavor

52
00:02:25,430 --> 00:02:23,680
on shuttle endeavour in 1996.

53
00:02:27,110 --> 00:02:25,440
so what were your thoughts and feelings

54
00:02:29,589 --> 00:02:27,120
as you were sailing through your first

55
00:02:35,350 --> 00:02:29,599
eva and view of your childhood growing

56
00:02:39,430 --> 00:02:37,270
well in fact some somewhere through the

57
00:02:41,589 --> 00:02:39,440
eva our iv steve robinson pointed out

58
00:02:43,430 --> 00:02:41,599
that we were over over london at dawn

59
00:02:46,229 --> 00:02:43,440
and i was able to look down and see a

60
00:02:48,150 --> 00:02:46,239
large part of the uk below me um i

61
00:02:49,750 --> 00:02:48,160
didn't at that point have too much time

62
00:02:52,070 --> 00:02:49,760
to think about my childhood because the

63
00:02:53,990 --> 00:02:52,080

evas are very busy as you know but

64

00:02:55,509 --> 00:02:54,000

reflecting now

65

00:02:57,750 --> 00:02:55,519

it was a wonderful experience to have

66

00:02:59,910 --> 00:02:57,760

grown up in that part of the world

67

00:03:01,430 --> 00:02:59,920

it prepares you well for any weather you

68

00:03:03,110 --> 00:03:01,440

might encounter

69

00:03:05,270 --> 00:03:03,120

whether it's bad weather at launch or

70

00:03:07,670 --> 00:03:05,280

landing and

71

00:03:08,470 --> 00:03:07,680

i i do remember fondly going up to see

72

00:03:11,830 --> 00:03:08,480

the

73

00:03:13,750 --> 00:03:11,840

moors which was uh

74

00:03:15,589 --> 00:03:13,760

it's a treat to look back on that and

75

00:03:18,470 --> 00:03:15,599

think about how far we've come since his

76

00:03:19,910 --> 00:03:18,480

days of exploration

77

00:03:22,630 --> 00:03:19,920

thanks very much

78

00:03:25,030 --> 00:03:22,640

my last question is

79

00:03:27,830 --> 00:03:25,040

for steve and soichi

80

00:03:29,830 --> 00:03:27,840

stevie ray before we you launched you

81

00:03:31,430 --> 00:03:29,840

talked about being one brain

82

00:03:35,030 --> 00:03:31,440

with so each you because of your

83

00:03:38,390 --> 00:03:35,040

experience on 114 what's it been for you

84

00:03:45,589 --> 00:03:38,400

and suici together to work and

85

00:03:48,309 --> 00:03:46,869

well you know what you don't hear too

86

00:03:50,309 --> 00:03:48,319

much about in the space program i

87

00:03:51,990 --> 00:03:50,319

suppose you know you hear about rockets

88

00:03:54,070 --> 00:03:52,000

and space stations and international

89

00:03:55,589 --> 00:03:54,080

cooperation but you know there's there's

90

00:03:56,789 --> 00:03:55,599

real true friendship in the space

91

00:03:59,670 --> 00:03:56,799

program and

92

00:04:02,149 --> 00:03:59,680

to travel that far from the surface of

93

00:04:04,229 --> 00:04:02,159

the earth up to this tiny little star in

94

00:04:06,869 --> 00:04:04,239

the heavens and find my friends on board

95

00:04:08,710 --> 00:04:06,879

is almost miraculous and so it's been

96

00:04:09,990 --> 00:04:08,720

wonderful for uh

97

00:04:11,429 --> 00:04:10,000

for me to

98

00:04:12,710 --> 00:04:11,439

see all the folks here on board and

99

00:04:15,110 --> 00:04:12,720

suici and i of course we trained

100

00:04:17,030 --> 00:04:15,120

together for so long we're like brothers

101
00:04:20,069 --> 00:04:17,040
from other countries and it's been great

102
00:04:24,230 --> 00:04:22,390
yeah thanks you know uh living in space

103
00:04:26,550 --> 00:04:24,240
there's nothing more joyful other than

104
00:04:30,150 --> 00:04:26,560
having your friends on board and stevie

105
00:04:32,230 --> 00:04:30,160
ray just gave me a it was a great memory

106
00:04:36,070 --> 00:04:32,240
uh five years ago and this time also

107
00:04:40,469 --> 00:04:37,830
this is gera down with the german

108
00:04:43,430 --> 00:04:40,479
aerospace center dlr and space expert

109
00:04:45,670 --> 00:04:43,440
association question for tj agreement

110
00:04:47,830 --> 00:04:45,680
after about two months about the iss

111
00:04:54,629 --> 00:04:47,840
what were your most challenging moments

112
00:04:57,909 --> 00:04:56,230
after two months my first response is

113
00:04:58,870 --> 00:04:57,919

wow two months already

114

00:05:00,629 --> 00:04:58,880

um

115

00:05:02,950 --> 00:05:00,639

most challenging i tell you that

116

00:05:05,270 --> 00:05:02,960

everything we do around here it's

117

00:05:07,110 --> 00:05:05,280

amazing how much we miss uh

118

00:05:09,189 --> 00:05:07,120

gravity what i mean is you put something

119

00:05:10,550 --> 00:05:09,199

down and it of course doesn't stay down

120

00:05:11,430 --> 00:05:10,560

because it doesn't know where down is

121

00:05:13,270 --> 00:05:11,440

and so

122

00:05:15,590 --> 00:05:13,280

everything we do is it has a as an

123

00:05:17,270 --> 00:05:15,600

overhead associated with that activity

124

00:05:19,110 --> 00:05:17,280

that is just really surprising and it

125

00:05:20,950 --> 00:05:19,120

takes a while to get used to

126

00:05:22,550 --> 00:05:20,960

the highlights i tell you sharing the

127

00:05:25,430 --> 00:05:22,560

time with the friends that are on board

128

00:05:27,909 --> 00:05:25,440

and truly we it is friendship all around

129

00:05:29,510 --> 00:05:27,919

um and i think the the most spectacular

130

00:05:31,029 --> 00:05:29,520

aspect of that sharing is the

131

00:05:33,350 --> 00:05:31,039

discoveries from day to day that we

132

00:05:36,070 --> 00:05:33,360

encounter and of course the incredible

133

00:05:37,670 --> 00:05:36,080

views that we're able to uh to see

134

00:05:40,870 --> 00:05:37,680

throughout my two months here but now

135

00:05:43,350 --> 00:05:40,880

even better with cupola

136

00:05:45,749 --> 00:05:43,360

question for nick patrick you performed

137

00:05:47,590 --> 00:05:45,759

your first three evas on that mission

138

00:05:49,590 --> 00:05:47,600

please tell me about your emotions and

139

00:05:58,150 --> 00:05:49,600

impressions floating outside the station

140

00:06:01,110 --> 00:05:59,110

well

141

00:06:03,029 --> 00:06:01,120

it's

142

00:06:04,390 --> 00:06:03,039

evas are a challenge

143

00:06:06,390 --> 00:06:04,400

as i'm sure you know you've heard from

144

00:06:08,790 --> 00:06:06,400

other people

145

00:06:10,870 --> 00:06:08,800

and i think my primary emotion was wow i

146

00:06:12,870 --> 00:06:10,880

can't believe i'm really out here doing

147

00:06:14,469 --> 00:06:12,880

this after a year of training we had a

148

00:06:16,230 --> 00:06:14,479

lot of fun training in houston with a

149

00:06:17,909 --> 00:06:16,240

great team

150

00:06:19,670 --> 00:06:17,919

but it was hard sometimes to believe

151
00:06:21,350 --> 00:06:19,680
that we'd actually get here and and do

152
00:06:24,309 --> 00:06:21,360
these space walks and bring up the

153
00:06:26,469 --> 00:06:24,319
cupola and the node three

154
00:06:28,790 --> 00:06:26,479
so half the time i had to pinch myself

155
00:06:29,990 --> 00:06:28,800
which is hard to do through the suit

156
00:06:32,390 --> 00:06:30,000
because i couldn't believe we were up

157
00:06:34,950 --> 00:06:32,400
here i think the most challenging task

158
00:06:37,350 --> 00:06:34,960
from a big picture point of view was

159
00:06:39,749 --> 00:06:37,360
connecting the ammonia jumpers

160
00:06:40,710 --> 00:06:39,759
and wrapping the mli around those that

161
00:06:42,710 --> 00:06:40,720
took us

162
00:06:44,150 --> 00:06:42,720
the best part of a whole eva

163
00:06:45,990 --> 00:06:44,160

and the single most challenging moment

164

00:06:48,230 --> 00:06:46,000

was probably when bob and i were rolling

165

00:06:50,550 --> 00:06:48,240

up the mli on the outside of the cupola

166

00:06:52,070 --> 00:06:50,560

the insulation that it launched in

167

00:06:53,510 --> 00:06:52,080

that just didn't behave the way it had

168

00:06:54,870 --> 00:06:53,520

on earth so those were some of the

169

00:06:56,950 --> 00:06:54,880

challenging moments but all in all it

170

00:06:59,270 --> 00:06:56,960

was really great fun and a wonderful

171

00:07:01,830 --> 00:06:59,280

experience

172

00:07:03,909 --> 00:07:01,840

my last question for steve robinson this

173

00:07:05,909 --> 00:07:03,919

is your fourth mission

174

00:07:11,909 --> 00:07:05,919

was was there anything new for you

175

00:07:15,909 --> 00:07:14,070

what's new for me personally well the

176
00:07:18,550 --> 00:07:15,919
space station must be almost twice the

177
00:07:19,830 --> 00:07:18,560
size as it was last time

178
00:07:22,870 --> 00:07:19,840
uh

179
00:07:24,469 --> 00:07:22,880
the type of things that that people do

180
00:07:25,589 --> 00:07:24,479
on space station the type of living here

181
00:07:26,469 --> 00:07:25,599
and of course

182
00:07:29,670 --> 00:07:26,479
you know

183
00:07:31,990 --> 00:07:29,680
the the brand new node three and and the

184
00:07:34,070 --> 00:07:32,000
cupola all these are new so it's like a

185
00:07:35,670 --> 00:07:34,080
brand new experience all over again and

186
00:07:37,909 --> 00:07:35,680
frankly i think every time you fly in

187
00:07:41,990 --> 00:07:37,919
space you sort of start over in a way

188
00:07:45,510 --> 00:07:43,990

this is jim obrecht with nbc news and

189

00:07:47,430 --> 00:07:45,520

hello to everyone up there

190

00:07:49,589 --> 00:07:47,440

i want i have a question from our

191

00:07:51,830 --> 00:07:49,599

network associates in london itn for

192

00:07:53,029 --> 00:07:51,840

nick patrick so you can it's for british

193

00:07:54,550 --> 00:07:53,039

television so you don't have to worry

194

00:07:56,070 --> 00:07:54,560

about yankees understanding what you how

195

00:07:56,790 --> 00:07:56,080

you answer

196

00:07:57,909 --> 00:07:56,800

but

197

00:08:00,390 --> 00:07:57,919

the question is now that you're

198

00:08:02,230 --> 00:08:00,400

fulfilling that your lifelong dream

199

00:08:03,670 --> 00:08:02,240

first for a second time

200

00:08:05,909 --> 00:08:03,680

how does it really feel to be in the

201
00:08:07,909 --> 00:08:05,919
shuttle doing that work that you were

202
00:08:09,270 --> 00:08:07,919
carrying out and how does it compare to

203
00:08:11,430 --> 00:08:09,280
your dreams

204
00:08:13,670 --> 00:08:11,440
and later what would you as a follow-up

205
00:08:17,670 --> 00:08:13,680
what would you say to someone else

206
00:08:22,950 --> 00:08:19,990
first how does it compare to your dreams

207
00:08:26,390 --> 00:08:22,960
those are interesting questions

208
00:08:27,990 --> 00:08:26,400
think

209
00:08:29,749 --> 00:08:28,000
i could almost say i haven't quite

210
00:08:31,270 --> 00:08:29,759
fulfilled my childhood dream because

211
00:08:33,350 --> 00:08:31,280
what what i think most of us here

212
00:08:35,110 --> 00:08:33,360
dreamed of when we were really young was

213
00:08:38,149 --> 00:08:35,120

walking on the moon when we watched the

214

00:08:39,990 --> 00:08:38,159

apollo moon landings and uh none of us

215

00:08:41,269 --> 00:08:40,000

has walked on the moon yet or on the

216

00:08:42,870 --> 00:08:41,279

surface of another planet we'd all

217

00:08:44,550 --> 00:08:42,880

really love to do that but of course in

218

00:08:46,310 --> 00:08:44,560

a very real sense we're all fulfilling

219

00:08:47,430 --> 00:08:46,320

our childhood dreams of flying in space

220

00:08:49,430 --> 00:08:47,440

and it is

221

00:08:51,829 --> 00:08:49,440

um just a wonderful experience it's both

222

00:08:55,269 --> 00:08:51,839

wonderful to to be here and experience

223

00:08:56,949 --> 00:08:55,279

it uh as a crew and it's also wonderful

224

00:08:58,949 --> 00:08:56,959

when you get back home to share it with

225

00:08:59,990 --> 00:08:58,959

friends family and and students and

226

00:09:00,949 --> 00:09:00,000

colleagues

227

00:09:02,870 --> 00:09:00,959

um

228

00:09:04,389 --> 00:09:02,880

the people who in the future will

229

00:09:06,230 --> 00:09:04,399

hopefully be inspired by what we're

230

00:09:07,990 --> 00:09:06,240

doing and the people who've helped us do

231

00:09:11,190 --> 00:09:08,000

it it's wonderful to go back and talk to

232

00:09:18,310 --> 00:09:13,590

and never iss this is houston acr that

233

00:09:25,750 --> 00:09:20,150

that concludes questions from jsc please

234

00:09:33,430 --> 00:09:28,550

endeavor iss this is kscpao how do you

235

00:09:40,150 --> 00:09:35,509

kscpao endeavor

236

00:09:44,389 --> 00:09:42,070

this is marcia dunham of the associated

237

00:09:47,030 --> 00:09:44,399

press and i'd like some reviews of the

238

00:09:48,710 --> 00:09:47,040

station's new observation deck how

239

00:09:50,710 --> 00:09:48,720

stunning are the views and what are some

240

00:09:52,710 --> 00:09:50,720

of your favorite views through the seven

241

00:10:02,389 --> 00:09:52,720

windows so far and maybe a couple of you

242

00:10:07,110 --> 00:10:04,470

it's going to be so hard to put into

243

00:10:09,910 --> 00:10:07,120

words the view that we see out those

244

00:10:11,990 --> 00:10:09,920

beautiful seven windows i think the best

245

00:10:13,990 --> 00:10:12,000

way i can think of is

246

00:10:17,030 --> 00:10:14,000

it's comparing

247

00:10:19,670 --> 00:10:17,040

a black and white analog picture to a

248

00:10:20,790 --> 00:10:19,680

super high def color picture

249

00:10:23,030 --> 00:10:20,800

it's just

250

00:10:24,550 --> 00:10:23,040

phenomenal what we can see out there

251
00:10:26,230 --> 00:10:24,560
although we really haven't spent a lot

252
00:10:28,150 --> 00:10:26,240
of time gazing out the windows yet

253
00:10:31,670 --> 00:10:28,160
because we're still working inside node

254
00:10:34,150 --> 00:10:31,680
three to get it all operational and

255
00:10:37,190 --> 00:10:34,160
the most uh stunning thing i've seen so

256
00:10:39,430 --> 00:10:37,200
far is just some beautiful thunderstorms

257
00:10:41,750 --> 00:10:39,440
from above it's really interesting to

258
00:10:51,430 --> 00:10:41,760
watch the way the lightning just jumps

259
00:10:55,670 --> 00:10:54,710
hi marcia um i'll add to that the first

260
00:10:58,069 --> 00:10:55,680
time

261
00:11:01,030 --> 00:10:58,079
every experience i've had here has been

262
00:11:03,430 --> 00:11:01,040
new and completely amazing for me since

263
00:11:04,790 --> 00:11:03,440

this is my first flight

264

00:11:05,990 --> 00:11:04,800

getting a look out the shuttle windows

265

00:11:07,590 --> 00:11:06,000

and the station windows have been

266

00:11:09,590 --> 00:11:07,600

awesome but when we looked out the

267

00:11:11,110 --> 00:11:09,600

cupola

268

00:11:12,470 --> 00:11:11,120

like case said it's impossible to put in

269

00:11:13,670 --> 00:11:12,480

the word into words but it took my

270

00:11:15,750 --> 00:11:13,680

breath away

271

00:11:17,110 --> 00:11:15,760

and we've only had a few opportunities

272

00:11:19,269 --> 00:11:17,120

to go down there because we have been

273

00:11:20,710 --> 00:11:19,279

busy inside doing work but i think the

274

00:11:22,389 --> 00:11:20,720

favorite view that i've had has been

275

00:11:23,829 --> 00:11:22,399

watching sunrise

276
00:11:25,430 --> 00:11:23,839
because

277
00:11:27,110 --> 00:11:25,440
you can see at night you can see cities

278
00:11:29,990 --> 00:11:27,120
if you're over land

279
00:11:33,350 --> 00:11:30,000
and then when you pass into the sunlight

280
00:11:36,550 --> 00:11:35,030
and then it turns into pink in different

281
00:11:38,870 --> 00:11:36,560
colors like that and then when the sun

282
00:11:39,910 --> 00:11:38,880
pops up it's like an instantaneous flood

283
00:11:41,829 --> 00:11:39,920
light in your eyes that kind of

284
00:11:43,430 --> 00:11:41,839
overwhelms you but the the view is

285
00:11:45,430 --> 00:11:43,440
amazing you can sit there and bend up

286
00:11:47,990 --> 00:11:45,440
and actually with your eye eyes

287
00:11:49,910 --> 00:11:48,000
at least perceive the entire earth limb

288
00:12:01,750 --> 00:11:49,920

and you can really see that the earth is

289

00:12:05,350 --> 00:12:03,590

so you can use the cupola for viewing or

290

00:12:07,670 --> 00:12:05,360

at least part of your crew and how do

291

00:12:11,030 --> 00:12:07,680

you plan to handle the up and down of

292

00:12:12,710 --> 00:12:11,040

the shutters over the course of

293

00:12:19,509 --> 00:12:12,720

what's left of your mission in missions

294

00:12:22,389 --> 00:12:20,870

well obviously we're going to have some

295

00:12:23,910 --> 00:12:22,399

restrictions for example we can't have

296

00:12:26,310 --> 00:12:23,920

the cupola open it when the shuttle

297

00:12:27,910 --> 00:12:26,320

undocks and probably for about two

298

00:12:30,389 --> 00:12:27,920

orbits after that after the shuttle

299

00:12:32,230 --> 00:12:30,399

leaves just due to the potential

300

00:12:34,710 --> 00:12:32,240

for contamination from the thrusters

301
00:12:37,670 --> 00:12:34,720
from the shuttle but we will use the the

302
00:12:38,949 --> 00:12:37,680
cupola a lot to get a very unique and

303
00:12:41,430 --> 00:12:38,959
new

304
00:12:44,150 --> 00:12:41,440
viewpoint of the earth that we haven't

305
00:12:45,190 --> 00:12:44,160
experienced before and as the others uh

306
00:12:46,870 --> 00:12:45,200
just said

307
00:12:49,509 --> 00:12:46,880
to be able to see the entire earth in

308
00:12:51,269 --> 00:12:49,519
one one glance and see the entire lamb

309
00:12:53,350 --> 00:12:51,279
of the earth all the way around and see

310
00:12:55,670 --> 00:12:53,360
the the spherical shape of the earth is

311
00:12:57,190 --> 00:12:55,680
going to be new to us obviously we've

312
00:12:59,269 --> 00:12:57,200
seen a lot of those segments of that

313
00:13:00,230 --> 00:12:59,279

view before but only one segment at a

314

00:13:03,269 --> 00:13:00,240

time

315

00:13:04,870 --> 00:13:03,279

through a narrower narrower view of of a

316

00:13:07,509 --> 00:13:04,880

field of view

317

00:13:09,030 --> 00:13:07,519

to the earth we will uh we have taken a

318

00:13:12,470 --> 00:13:09,040

lot of photography up here we will

319

00:13:14,949 --> 00:13:12,480

continue to do so uh and that the cupola

320

00:13:17,430 --> 00:13:14,959

will offer us a very unique and new

321

00:13:19,269 --> 00:13:17,440

opportunity for uh for photography in a

322

00:13:21,750 --> 00:13:19,279

new way particularly with wide-angle

323

00:13:24,550 --> 00:13:21,760

lenses which we're already playing with

324

00:13:26,069 --> 00:13:24,560

a little bit to try to be able to share

325

00:13:32,629 --> 00:13:26,079

that experience

326

00:13:37,110 --> 00:13:35,509

hi nancy atkinson from universe today

327

00:13:39,750 --> 00:13:37,120

and i have some questions submitted by

328

00:13:41,430 --> 00:13:39,760

our readers um speaking of the cupola a

329

00:13:44,150 --> 00:13:41,440

lot of people in the northern latitudes

330

00:13:46,310 --> 00:13:44,160

have been seeing some aurora recently

331

00:14:02,470 --> 00:13:46,320

and we were wondering if you have seen

332

00:14:05,829 --> 00:14:04,069

actually unfortunately for the shuttle

333

00:14:08,949 --> 00:14:05,839

crew here for the 130 crew we haven't

334

00:14:11,509 --> 00:14:08,959

had an opportunity to see aurora uh

335

00:14:14,230 --> 00:14:11,519

since they've docked but about a month

336

00:14:17,590 --> 00:14:14,240

ago i think it was we had some beautiful

337

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

aurora over the north pole and some of

338

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

us have experienced it also on previous

339

00:14:23,269 --> 00:14:21,760

flights and both in the north pole and

340

00:14:25,189 --> 00:14:23,279

the south pole

341

00:14:27,430 --> 00:14:25,199

but this about a month ago it was

342

00:14:30,310 --> 00:14:27,440

particularly stunning

343

00:14:34,790 --> 00:14:30,320

over canada and in parts of russia as

344

00:14:38,629 --> 00:14:36,629

another thing everybody seems to want to

345

00:14:40,790 --> 00:14:38,639

know is to know more about the internet

346

00:14:43,030 --> 00:14:40,800

that's on the space station now

347

00:14:45,189 --> 00:14:43,040

do you have access to any website or or

348

00:14:46,230 --> 00:14:45,199

that you have some that are blocked and

349

00:14:53,269 --> 00:14:46,240

people are wondering what kind of

350

00:14:56,389 --> 00:14:54,710

thanks for thanks for asking for this

351
00:14:58,069 --> 00:14:56,399
project that many people have worked on

352
00:14:59,829 --> 00:14:58,079
to make this

353
00:15:00,949 --> 00:14:59,839
possible for us and some have just

354
00:15:03,670 --> 00:15:00,959
pulled their hairs out to make it

355
00:15:05,110 --> 00:15:03,680
successful and many thanks go to these

356
00:15:07,750 --> 00:15:05,120
folks

357
00:15:09,350 --> 00:15:07,760
we have access to any website that we

358
00:15:12,790 --> 00:15:09,360
are allowed to go to as government

359
00:15:15,110 --> 00:15:12,800
employees that's my my best answer

360
00:15:17,829 --> 00:15:15,120
and in terms of download

361
00:15:21,110 --> 00:15:17,839
speeds you know back in the old days

362
00:15:23,750 --> 00:15:21,120
um it kind of compares to the the modems

363
00:15:25,910 --> 00:15:23,760

the 9.6 kilobyte and the 144 kilobyte

364

00:15:28,629 --> 00:15:25,920

modems so it's not really fast enough to

365

00:15:30,629 --> 00:15:28,639

do to good to do good file exchange or

366

00:15:32,069 --> 00:15:30,639

large file exchange or videos but it

367

00:15:34,230 --> 00:15:32,079

certainly lets us go out and browsing

368

00:15:35,910 --> 00:15:34,240

and and to do the fun reading that we

369

00:15:38,150 --> 00:15:35,920

want to do and get caught up in current

370

00:15:39,910 --> 00:15:38,160

events on on that day

371

00:15:41,509 --> 00:15:39,920

it's it's a nice out you know outreach

372

00:15:43,829 --> 00:15:41,519

for us and of course you've heard about

373

00:15:48,949 --> 00:15:43,839

the twittering which that's a nice

374

00:15:51,670 --> 00:15:50,790

and one final question for the shuttle

375

00:15:53,590 --> 00:15:51,680

crew

376

00:15:54,949 --> 00:15:53,600

we want to know the significance of the

377

00:16:10,870 --> 00:15:54,959

chickens that were in some of the

378

00:16:15,590 --> 00:16:13,990

okay i think uh what the consensus is uh

379

00:16:17,189 --> 00:16:15,600

is that we're not seeing those front

380

00:16:19,030 --> 00:16:17,199

pages it's probably on the front page of

381

00:16:20,870 --> 00:16:19,040

the uh

382

00:16:21,590 --> 00:16:20,880

of the execute package that we don't get

383

00:16:23,670 --> 00:16:21,600

so

384

00:16:25,509 --> 00:16:23,680

it's possibly an inside joke that we are

385

00:16:30,470 --> 00:16:25,519

not on the inside of

386

00:16:34,550 --> 00:16:32,550

hey thanks guys it's bill harwood with

387

00:16:36,069 --> 00:16:34,560

cbs news with two questions one for jeff

388

00:16:38,150 --> 00:16:36,079

williams

389

00:16:39,829 --> 00:16:38,160

you know with the cupola and the note 3

390

00:16:41,590 --> 00:16:39,839

there the station is virtually complete

391

00:16:44,230 --> 00:16:41,600

structurally anyway i guess you still

392

00:16:45,590 --> 00:16:44,240

have the mplm coming up at the end but

393

00:16:47,910 --> 00:16:45,600

can you give us a little state of the

394

00:16:49,910 --> 00:16:47,920

iss and and how you guys are feeling

395

00:16:51,509 --> 00:16:49,920

about reaching what is really an amazing

396

00:16:55,749 --> 00:16:51,519

milestone given all the work that's gone

397

00:16:59,990 --> 00:16:57,590

you're absolutely right bill it is an

398

00:17:02,710 --> 00:17:00,000

amazing milestone and this is an

399

00:17:04,630 --> 00:17:02,720

absolutely incredible facility the first

400

00:17:06,069 --> 00:17:04,640

time i visited it was just under 10

401
00:17:08,309 --> 00:17:06,079
years ago

402
00:17:10,870 --> 00:17:08,319
it was two modules at the time it was

403
00:17:13,189 --> 00:17:10,880
before expedition one launched so it was

404
00:17:15,750 --> 00:17:13,199
unmanned we came in and it was hot and

405
00:17:18,789 --> 00:17:15,760
smelly because the air

406
00:17:21,510 --> 00:17:18,799
had been stale for about a year or so

407
00:17:23,909 --> 00:17:21,520
and then of course an expedition 13

408
00:17:25,990 --> 00:17:23,919
back here a few years ago

409
00:17:27,750 --> 00:17:26,000
and it was about the living space was

410
00:17:30,390 --> 00:17:27,760
about half the size it is now it's

411
00:17:32,549 --> 00:17:30,400
virtually doubled in size and has grown

412
00:17:35,110 --> 00:17:32,559
both in the u.s opening segment with the

413
00:17:37,510 --> 00:17:35,120

the japanese and european modules

414

00:17:41,190 --> 00:17:37,520

as well as of course node 3

415

00:17:43,190 --> 00:17:41,200

now and node 2 which we're in right now

416

00:17:46,470 --> 00:17:43,200

as well as some growth in the russian

417

00:17:47,350 --> 00:17:46,480

segment it's an amazing facility

418

00:17:52,150 --> 00:17:47,360

it's

419

00:17:54,630 --> 00:17:52,160

here at this stage as we really

420

00:17:57,750 --> 00:17:54,640

transition from assembly to full

421

00:17:59,750 --> 00:17:57,760

utilization and we all look forward to

422

00:18:04,310 --> 00:17:59,760

reaping the benefits of the utilization

423

00:18:07,510 --> 00:18:06,150

thanks and one last one from ksc and

424

00:18:09,750 --> 00:18:07,520

i'll ask this from one of the space

425

00:18:11,909 --> 00:18:09,760

walkers uh can one of you guys compare

426

00:18:13,270 --> 00:18:11,919

the view through your helmet to the view

427

00:18:14,549 --> 00:18:13,280

through the cupola i'm just trying to

428

00:18:16,549 --> 00:18:14,559

get a sense if

429

00:18:18,630 --> 00:18:16,559

if that that room

430

00:18:23,909 --> 00:18:18,640

you know is even close to what an eva is

431

00:18:27,990 --> 00:18:25,669

well that's a great question and it's

432

00:18:29,669 --> 00:18:28,000

one that nick patrick was able to answer

433

00:18:30,950 --> 00:18:29,679

immediately following our third

434

00:18:33,029 --> 00:18:30,960

spacewalk

435

00:18:35,110 --> 00:18:33,039

immediately coming out of his suit he

436

00:18:36,710 --> 00:18:35,120

was able to go over to the cupola and

437

00:18:38,230 --> 00:18:36,720

actually have a look out of the window

438

00:18:39,270 --> 00:18:38,240

and compare it and i think his words

439

00:18:41,909 --> 00:18:39,280

were that

440

00:18:42,870 --> 00:18:41,919

it's at least comparable if if not

441

00:18:44,950 --> 00:18:42,880

better

442

00:18:47,590 --> 00:18:44,960

the reason being that you actually have

443

00:18:48,710 --> 00:18:47,600

time to look around through all of the

444

00:18:50,549 --> 00:18:48,720

windows

445

00:18:52,070 --> 00:18:50,559

usually during a spacewalk there's a

446

00:18:54,230 --> 00:18:52,080

fair amount of work to get done you know

447

00:18:56,870 --> 00:18:54,240

it's important for us to get out and on

448

00:18:58,630 --> 00:18:56,880

this flight get node 3

449

00:19:00,470 --> 00:18:58,640

it's a cooling system and it's

450

00:19:02,150 --> 00:19:00,480

electrical power hooked up and so there

451
00:19:03,750 --> 00:19:02,160
wasn't a lot of time for uh the

452
00:19:06,070 --> 00:19:03,760
sightseeing that you might like to do

453
00:19:07,990 --> 00:19:06,080
out of a window like cupola the other

454
00:19:09,750 --> 00:19:08,000
thing that the cupola affords you is the

455
00:19:11,350 --> 00:19:09,760
opportunity to share some of those views

456
00:19:13,190 --> 00:19:11,360
with other people

457
00:19:15,990 --> 00:19:13,200
we're really limited on the photography

458
00:19:18,390 --> 00:19:16,000
that we can do during a spacewalk but

459
00:19:20,230 --> 00:19:18,400
taking one of the hd cameras or some

460
00:19:22,070 --> 00:19:20,240
still photos inside of the cupola is

461
00:19:24,710 --> 00:19:22,080
really going to allow us to share those

462
00:19:26,950 --> 00:19:24,720
beautiful sunrises and sunsets and earth

463
00:19:28,549 --> 00:19:26,960

views in general with uh with everyone

464

00:19:32,230 --> 00:19:28,559

on the ground

465

00:19:36,230 --> 00:19:34,470

endeavor iss this is houston acr that

466

00:19:37,909 --> 00:19:36,240

concludes questions from ksc please

467

00:19:43,190 --> 00:19:37,919

stand by for a voice check from nasa

468

00:19:51,350 --> 00:19:45,430

endeavor iss this is headquarters pao

469

00:19:57,190 --> 00:19:53,430

headquarters pao endeavor and iss have

470

00:20:01,029 --> 00:19:58,870

hi this question is for nick patrick

471

00:20:02,549 --> 00:20:01,039

nick this is sona from itv news so a

472

00:20:09,029 --> 00:20:02,559

little bit of british normality for you

473

00:20:11,590 --> 00:20:10,149

nick i know you've touched on this

474

00:20:13,190 --> 00:20:11,600

already sorry could you repeat the

475

00:20:14,870 --> 00:20:13,200

question please just explain to me the

476

00:20:16,950 --> 00:20:14,880

journey looking up at the stars of the

477

00:20:18,230 --> 00:20:16,960

boy in england and thinking you know one

478

00:20:18,950 --> 00:20:18,240

day i want to be a space man and even

479

00:20:20,310 --> 00:20:18,960

though you're not sort of

480

00:20:21,510 --> 00:20:20,320

stereotypically walking on the moon as

481

00:20:23,029 --> 00:20:21,520

you might have thought about it then

482

00:20:30,070 --> 00:20:23,039

just take it take us through how it

483

00:20:35,110 --> 00:20:32,789

it's it's really hard to describe

484

00:20:36,630 --> 00:20:35,120

it's it's a little hard to believe um

485

00:20:39,190 --> 00:20:36,640

that after all these years i think for

486

00:20:41,430 --> 00:20:39,200

any of us that we really uh

487

00:20:43,430 --> 00:20:41,440

made it to space um we've all been

488

00:20:46,070 --> 00:20:43,440

pursuing this dream for a long long time

489

00:20:49,909 --> 00:20:46,080

wherever we came from whether it's japan

490

00:20:51,909 --> 00:20:49,919

or or north america england

491

00:20:55,110 --> 00:20:51,919

and russia that's right we have uh

492

00:20:59,110 --> 00:20:55,120

cosmonauts with us today um

493

00:21:03,110 --> 00:21:00,870

it's just it's an it's an amazing set of

494

00:21:05,830 --> 00:21:03,120

things that have to go right and people

495

00:21:07,350 --> 00:21:05,840

who want to pursue this path uh really

496

00:21:10,310 --> 00:21:07,360

need to

497

00:21:12,549 --> 00:21:10,320

the one thing that we all have in common

498

00:21:13,990 --> 00:21:12,559

whether we're engineers scientists

499

00:21:16,310 --> 00:21:14,000

pilots

500

00:21:18,149 --> 00:21:16,320

doctors we've all really worked hard in

501
00:21:19,990 --> 00:21:18,159
school to get here we've stayed in

502
00:21:23,110 --> 00:21:20,000
school for a long time

503
00:21:24,950 --> 00:21:23,120
way too long for some of us and

504
00:21:26,870 --> 00:21:24,960
we've been very fortunate in our careers

505
00:21:28,789 --> 00:21:26,880
to have followed past that brought us

506
00:21:31,029 --> 00:21:28,799
here but it really is amazing you have

507
00:21:32,870 --> 00:21:31,039
to pinch yourself and i can't wait to

508
00:21:34,470 --> 00:21:32,880
get back and share this unbelievable

509
00:21:37,270 --> 00:21:34,480
experience with everybody back on the

510
00:21:41,029 --> 00:21:39,590
that's great and just um another one for

511
00:21:43,270 --> 00:21:41,039
nick just briefly

512
00:21:45,590 --> 00:21:43,280
moving from the uk to the u.s is one

513
00:21:47,909 --> 00:21:45,600

thing obviously but space is pretty much

514

00:21:49,350 --> 00:21:47,919

the ultimate culture shock surely do you

515

00:21:51,110 --> 00:21:49,360

sometimes dream of getting back to

516

00:21:53,190 --> 00:21:51,120

saltburn on sea i mean you're so far

517

00:22:05,430 --> 00:21:53,200

from home how does space compare with a

518

00:22:07,990 --> 00:22:06,630

well i

519

00:22:09,669 --> 00:22:08,000

i do look forward to getting back to

520

00:22:11,909 --> 00:22:09,679

saltburn after the flight and and

521

00:22:14,310 --> 00:22:11,919

talking to students there and explaining

522

00:22:16,789 --> 00:22:14,320

what what space flight is really like

523

00:22:18,789 --> 00:22:16,799

as for how this compares to to a pint in

524

00:22:21,270 --> 00:22:18,799

a pub i would have to say there's a lot

525

00:22:23,270 --> 00:22:21,280

of the same uh friendly atmosphere up

526
00:22:24,470 --> 00:22:23,280
here we don't have as much time as you

527
00:22:25,510 --> 00:22:24,480
might

528
00:22:29,830 --> 00:22:25,520
to

529
00:22:32,070 --> 00:22:29,840
but when we do it's a a very precious

530
00:22:34,789 --> 00:22:32,080
experience uh floating in the cupola as

531
00:22:37,350 --> 00:22:34,799
bob described with uh with a friend and

532
00:22:40,230 --> 00:22:37,360
looking out over a sunset of you that uh

533
00:22:41,750 --> 00:22:40,240
few have been fortunate to see it's uh

534
00:22:45,990 --> 00:22:41,760
if we had beer up here it would make the

535
00:22:49,270 --> 00:22:48,070
endeavor iss this is houston acr that

536
00:22:51,110 --> 00:22:49,280
concludes questions from nasa

537
00:22:57,750 --> 00:22:51,120
headquarters please stand by for a voice

538
00:22:57,760 --> 00:23:05,110

how do you hear me

539

00:23:13,909 --> 00:23:07,510

hey jax jack's appeal how are you loud

540

00:23:13,919 --> 00:23:16,470

hello

541

00:23:20,710 --> 00:23:19,590

my name is imoto of tbs

542

00:23:23,110 --> 00:23:20,720

so

543

00:23:25,510 --> 00:23:23,120

i would like to ask your comment

544

00:23:43,110 --> 00:23:25,520

you know impression of saying in iss and

545

00:23:47,830 --> 00:23:45,029

what's your impression

546

00:23:54,710 --> 00:23:47,840

of your stay in iss so far and your

547

00:23:59,029 --> 00:23:56,470

it's been two months now

548

00:24:01,350 --> 00:23:59,039

since i've been here at the iss but

549

00:24:03,669 --> 00:24:01,360

everything has been working smoothly

550

00:24:05,750 --> 00:24:03,679

and the people on the ground especially

551
00:24:08,470 --> 00:24:05,760
those at cuba

552
00:24:10,470 --> 00:24:08,480
we have been coordinating quite fine and

553
00:24:12,470 --> 00:24:10,480
so we're very grateful

554
00:24:15,190 --> 00:24:12,480
for their support

555
00:24:18,230 --> 00:24:15,200
and although the launch has been delayed

556
00:24:20,390 --> 00:24:18,240
in april we'll be expecting yamazaki to

557
00:24:25,750 --> 00:24:20,400
come so we'll have to

558
00:24:30,870 --> 00:24:27,909
this is the question to mr nogue

559
00:24:35,830 --> 00:24:33,750
and compared to the very onset of your

560
00:24:37,029 --> 00:24:35,840
extended mission uh what is the main

561
00:24:41,430 --> 00:24:37,039
difference you're feeling now that

562
00:24:46,549 --> 00:24:43,430
i must say that

563
00:24:48,870 --> 00:24:46,559

living in space i have started to adapt

564

00:24:50,149 --> 00:24:48,880

to the lifestyle both physically and

565

00:24:52,789 --> 00:24:50,159

mentally

566

00:24:55,029 --> 00:24:52,799

and i am being able to enjoy my life in

567

00:24:56,149 --> 00:24:55,039

space so that's a major change i've been

568

00:24:58,950 --> 00:24:56,159

um

569

00:25:01,669 --> 00:24:58,960

noticing and in this mission we have now

570

00:25:04,310 --> 00:25:01,679

a cupola with the large windows and i

571

00:25:05,830 --> 00:25:04,320

can see earth from that so i am hoping

572

00:25:11,029 --> 00:25:05,840

that there will be a new perspective

573

00:25:11,039 --> 00:25:26,950

my name is

574

00:25:31,110 --> 00:25:28,950

what is the significance of living up

575

00:25:37,750 --> 00:25:31,120

there can you please explain uh

576

00:25:40,830 --> 00:25:39,669

this international space station is a

577

00:25:43,669 --> 00:25:40,840

wonderful

578

00:25:44,789 --> 00:25:43,679

facility there are a lot of scientific

579

00:25:46,789 --> 00:25:44,799

achievements

580

00:25:50,549 --> 00:25:46,799

but it has been done

581

00:25:51,590 --> 00:25:50,559

under a very great international

582

00:25:54,549 --> 00:25:51,600

project

583

00:25:57,110 --> 00:25:54,559

and japanese people are involved in such

584

00:25:58,230 --> 00:25:57,120

projects and here we have

585

00:26:07,190 --> 00:25:58,240

uh

586

00:26:08,230 --> 00:26:07,200

that there is japanese amongst them is a

587

00:26:10,789 --> 00:26:08,240

fact

588

00:26:14,070 --> 00:26:10,799

that well i'm sure it will inspire the

589

00:26:16,230 --> 00:26:14,080

children in japan and give clues that

590

00:26:21,190 --> 00:26:16,240

there will be such future

591

00:26:24,470 --> 00:26:22,310

that i would like to send to the

592

00:26:28,310 --> 00:26:24,480

japanese children from here

593

00:26:30,390 --> 00:26:28,320

is that the earth is so beautiful

594

00:26:32,549 --> 00:26:30,400

and i would like to convey that

595

00:26:36,470 --> 00:26:32,559

information through various pictures

596

00:26:36,480 --> 00:26:39,510

from jiji

597

00:26:43,269 --> 00:26:41,269

and you discussed about the photographs

598

00:26:46,149 --> 00:26:43,279

and the internet environment has

599

00:26:48,950 --> 00:26:46,159

improved on board so almost real time i

600

00:26:49,830 --> 00:26:48,960

think you can submit your tweets in

601
00:26:50,710 --> 00:26:49,840
twitter

602
00:26:52,470 --> 00:26:50,720
now

603
00:26:54,549 --> 00:26:52,480
do you feel that the distance between

604
00:26:56,149 --> 00:26:54,559
earth and iss compared to your previous

605
00:27:00,630 --> 00:26:56,159
flights is there a change in the

606
00:27:04,870 --> 00:27:02,390
yes now

607
00:27:06,470 --> 00:27:04,880
the internet is available on board

608
00:27:07,269 --> 00:27:06,480
the distance

609
00:27:09,590 --> 00:27:07,279
has

610
00:27:11,990 --> 00:27:09,600
become more closer i think it's very

611
00:27:15,269 --> 00:27:12,000
effective in that sense we can

612
00:27:17,350 --> 00:27:15,279
transmit information from the iss but we

613
00:27:19,669 --> 00:27:17,360

have better access to the information

614

00:27:23,750 --> 00:27:19,679

that's going on today

615

00:27:26,230 --> 00:27:23,760

so i can access the olympic results just

616

00:27:27,190 --> 00:27:26,240

like you on earth

617

00:27:28,789 --> 00:27:27,200

tokyo

618

00:27:30,549 --> 00:27:28,799

my name is

619

00:27:45,990 --> 00:27:30,559

now on twitter

620

00:27:50,870 --> 00:27:48,870

actually i did have such sushi parties

621

00:27:53,750 --> 00:27:50,880

but when the shuttle crew came i think

622

00:27:57,430 --> 00:27:53,760

it was last week we had lunch together

623

00:28:00,470 --> 00:27:57,440

and so one of the menu was the sushi

624

00:28:03,430 --> 00:28:00,480

well we had the naughty seaweed and rice

625

00:28:06,310 --> 00:28:03,440

but at that time i used salmon

626
00:28:06,320 --> 00:28:09,430
and the russian crew

627
00:28:12,870 --> 00:28:10,950
ate

628
00:28:29,669 --> 00:28:12,880
shrimp with mayonnaise and they liked it

629
00:28:33,990 --> 00:28:31,990
so stephen robinson is with you again so

630
00:28:35,350 --> 00:28:34,000
you are reunited in space with your

631
00:28:37,669 --> 00:28:35,360
former colleague

632
00:28:40,070 --> 00:28:37,679
and um also how do you feel about that

633
00:28:41,990 --> 00:28:40,080
and in iss you currently have 11 on

634
00:28:44,549 --> 00:28:42,000
board how is the lifestyle

635
00:28:52,230 --> 00:28:44,559
life on board with 11 people and they

636
00:28:55,110 --> 00:28:54,310
yes stephen robinson

637
00:28:58,230 --> 00:28:55,120
we

638
00:29:00,230 --> 00:28:58,240

of course worked together five years ago

639

00:29:02,710 --> 00:29:00,240

and we were able to garner a great

640

00:29:04,630 --> 00:29:02,720

friendship for that mission but now he's

641

00:29:06,230 --> 00:29:04,640

visiting us and

642

00:29:09,110 --> 00:29:06,240

on this iss

643

00:29:12,549 --> 00:29:11,190

one of the most enjoyable events when

644

00:29:14,789 --> 00:29:12,559

you are able to

645

00:29:16,950 --> 00:29:14,799

greet your friends on board

646

00:29:19,350 --> 00:29:16,960

and the shuttle crew will finish their

647

00:29:22,230 --> 00:29:19,360

mission today on board iss and they will

648

00:29:24,389 --> 00:29:22,240

be leaving us tomorrow so that's quite

649

00:29:27,029 --> 00:29:24,399

lonely yes we will miss them but we will

650

00:29:28,389 --> 00:29:27,039

get reunited again on earth and we will

651
00:29:30,389 --> 00:29:28,399
have a new

652
00:29:38,870 --> 00:29:30,399
um friends coming on board so we'll

653
00:29:42,070 --> 00:29:39,990
mr

654
00:29:43,110 --> 00:29:42,080
i'm sure you have a busy schedule every

655
00:29:45,190 --> 00:29:43,120
day

656
00:29:48,630 --> 00:29:45,200
but in your life

657
00:29:50,710 --> 00:29:48,640
uh lively a life schedule so what is the

658
00:30:01,830 --> 00:29:50,720
thing that you look forward to the most

659
00:30:06,070 --> 00:30:04,070
the earth that we can look from the

660
00:30:07,269 --> 00:30:06,080
window is something that really delights

661
00:30:10,630 --> 00:30:07,279
me every day

662
00:30:12,230 --> 00:30:10,640
and we have busy schedules every day but

663
00:30:15,029 --> 00:30:12,240

this beautiful

664

00:30:16,070 --> 00:30:15,039

earth i would want people to enjoy the

665

00:30:19,110 --> 00:30:16,080

most

666

00:30:21,190 --> 00:30:19,120

and i have been sending this and

667

00:30:24,389 --> 00:30:21,200

i have been receiving

668

00:30:25,909 --> 00:30:24,399

responses via twitter and so i would

669

00:30:27,110 --> 00:30:25,919

like to remain in touch with the people

670

00:30:31,190 --> 00:30:27,120

on ground

671

00:30:33,990 --> 00:30:31,200

and uh fulfill my mission

672

00:30:34,870 --> 00:30:34,000

and of course i do miss

673

00:30:37,669 --> 00:30:34,880

food

674

00:30:40,070 --> 00:30:37,679

from in japan and meeting with my family

675

00:30:41,990 --> 00:30:40,080

but there are many things that uh i can

676

00:30:44,230 --> 00:30:42,000

do only here up here in the space and

677

00:30:46,630 --> 00:30:44,240

i'd like to enjoy that yes this is my

678

00:30:50,630 --> 00:30:46,640

name is helia ryder and in the previous

679

00:30:53,750 --> 00:30:50,640

mission you did an eva and you actually

680

00:30:56,310 --> 00:30:53,760

said quoting you that you felt equal on

681

00:30:57,830 --> 00:30:56,320

the same footing with the earth but

682

00:31:00,389 --> 00:30:57,840

what's the difference you felt and is

683

00:31:02,470 --> 00:31:00,399

there a specific impression you are left

684

00:31:06,310 --> 00:31:02,480

with regarding the land of japan that

685

00:31:09,509 --> 00:31:06,320

you see from the space

686

00:31:12,630 --> 00:31:09,519

yes last time in the eva i was alone

687

00:31:14,549 --> 00:31:12,640

floating in space and uh i felt as

688

00:31:17,509 --> 00:31:14,559

though i came um

689

00:31:20,789 --> 00:31:17,519

head on with earth as one living thing

690

00:31:23,509 --> 00:31:20,799

to another living organism but this time

691

00:31:24,710 --> 00:31:23,519

on the iss i am looking at earth through

692

00:31:27,509 --> 00:31:24,720

the window

693

00:31:30,789 --> 00:31:27,519

and i wonder about the people's lives on

694

00:31:32,470 --> 00:31:30,799

earth in each region they have different

695

00:31:33,830 --> 00:31:32,480

cities and towns

696

00:31:35,830 --> 00:31:33,840

and i

697

00:31:38,470 --> 00:31:35,840

am more interested in these people's

698

00:31:39,990 --> 00:31:38,480

individual lives and japan is beautiful

699

00:31:42,630 --> 00:31:40,000

anywhere you look at it

700

00:31:46,789 --> 00:31:42,640

and the snow in hokkaido and tokyo's

701
00:31:49,190 --> 00:31:46,799
night lights and also sakurajama islands

702
00:31:52,389 --> 00:31:49,200
eruption all these are beautiful but

703
00:31:53,830 --> 00:31:52,399
even the smallest towns let's say water

704
00:31:56,070 --> 00:31:53,840
prefecture

705
00:31:58,710 --> 00:31:56,080
there's this a port fishing port which

706
00:32:01,430 --> 00:31:58,720
is very beautiful to see as well

707
00:32:07,750 --> 00:32:01,440
so until my very last day on board i

708
00:32:07,760 --> 00:32:12,830
from nhk mr

709
00:32:17,669 --> 00:32:15,509
nobody the iss

710
00:32:19,669 --> 00:32:17,679
will be extended for five more years in

711
00:32:22,310 --> 00:32:19,679
its operation i'm sure that you have

712
00:32:24,630 --> 00:32:22,320
heard of about the news but well what is

713
00:32:28,070 --> 00:32:24,640

your thoughts on your future careers

714

00:32:32,389 --> 00:32:31,110

it was extended to 2020 and i think that

715

00:32:36,149 --> 00:32:32,399

was wonderful

716

00:32:41,029 --> 00:32:39,430

last year there were three astronauts

717

00:32:43,190 --> 00:32:41,039

added

718

00:32:46,149 --> 00:32:43,200

to the group so as a representative of

719

00:32:48,470 --> 00:32:46,159

japan they're training themselves now

720

00:32:51,590 --> 00:32:48,480

and so it is sure that they will have a

721

00:32:54,549 --> 00:32:51,600

chance to fly and come on board as for

722

00:32:57,430 --> 00:32:54,559

myself i really don't know my tomorrow's

723

00:33:02,230 --> 00:32:57,440

schedule yes so what i would like to do

724

00:33:05,669 --> 00:33:04,230

murata from tv asaki

725

00:33:07,669 --> 00:33:05,679

you said that

726

00:33:10,310 --> 00:33:07,679

you were watching and keeping an eye on

727

00:33:13,350 --> 00:33:10,320

the developments at the olympic games

728

00:33:15,509 --> 00:33:13,360

now what is the event or an athlete that

729

00:33:16,710 --> 00:33:15,519

you are keep an eye on uh with a gesture

730

00:33:19,669 --> 00:33:16,720

if you could give a

731

00:33:22,630 --> 00:33:19,679

message to of encouragement to the uh

732

00:33:27,909 --> 00:33:25,029

all right

733

00:33:29,909 --> 00:33:27,919

of course um i think the japanese

734

00:33:32,630 --> 00:33:29,919

already won few medals so i'm looking

735

00:33:36,830 --> 00:33:32,640

forward to the excellence and skin

736

00:33:40,230 --> 00:33:36,840

jumping um i did send out my ski jump on

737

00:33:42,789 --> 00:33:40,240

iss and skiing and figure skating is

738

00:33:45,110 --> 00:33:42,799

also another event i know that there are

739

00:33:47,269 --> 00:33:45,120

wonderful athletes there so we're hoping

740

00:33:54,149 --> 00:33:47,279

a great medal so i look forward to that

741

00:33:58,950 --> 00:33:56,310

but i'd like to ask you about the

742

00:34:01,590 --> 00:33:58,960

changes in your body up in space

743

00:34:04,389 --> 00:34:01,600

now uh you said that you're swimming in

744

00:34:17,990 --> 00:34:04,399

the space just like a tuna a wakata-san

745

00:34:22,149 --> 00:34:20,389

everything had to go very slow but now

746

00:34:24,629 --> 00:34:22,159

i'm accustomed

747

00:34:26,710 --> 00:34:24,639

uh in terms of physical and mental

748

00:34:27,909 --> 00:34:26,720

aspects and i've been i've been swimming

749

00:34:36,310 --> 00:34:27,919

well

750

00:34:41,270 --> 00:34:37,990

and two months has already passed on

751
00:34:42,950 --> 00:34:41,280
board the iss and i'm sure uh have you

752
00:34:46,069 --> 00:34:42,960
chatted with your family members or

753
00:34:49,190 --> 00:34:46,079
friends via the internet and in a long

754
00:34:51,270 --> 00:34:49,200
extended mission um is there any um

755
00:34:57,190 --> 00:34:51,280
effect to that um psychologically or

756
00:35:01,990 --> 00:34:59,990
so with my friends or family i exchange

757
00:35:05,430 --> 00:35:02,000
emails

758
00:35:07,750 --> 00:35:05,440
i use the tv conference system so we can

759
00:35:09,670 --> 00:35:07,760
see them and also with a telephone line

760
00:35:12,470 --> 00:35:09,680
i am able to talk to them and since it's

761
00:35:14,710 --> 00:35:12,480
a long extended mission

762
00:35:16,550 --> 00:35:14,720
it's important to speak with your

763
00:35:18,310 --> 00:35:16,560

friends and people on

764

00:35:22,390 --> 00:35:18,320

earth and it's important for the

765

00:35:27,190 --> 00:35:24,150

this is my second question

766

00:35:30,230 --> 00:35:27,200

for astronomy this is the

767

00:35:32,950 --> 00:35:30,240

first uh iss understandable

768

00:35:34,630 --> 00:35:32,960

activities in four years but what is the

769

00:35:39,750 --> 00:35:34,640

most thing that you we were impressed

770

00:35:44,710 --> 00:35:41,990

yes compared with five years ago this

771

00:35:45,829 --> 00:35:44,720

patient has become a big uh it has been

772

00:35:49,910 --> 00:35:45,839

widened

773

00:35:52,950 --> 00:35:49,920

the two and columbus gem were added jlp

774

00:35:55,430 --> 00:35:52,960

was added and at this time node 3 was

775

00:35:56,470 --> 00:35:55,440

attached as well so the space has become

776

00:35:59,829 --> 00:35:56,480

very

777

00:36:03,670 --> 00:35:59,839

wide and a variety of activities can be

778

00:36:06,069 --> 00:36:03,680

held so with this uh the interior of the

779

00:36:08,069 --> 00:36:06,079

iss have been almost completed so the

780

00:36:09,910 --> 00:36:08,079

fact that i've been uh be able to

781

00:36:14,870 --> 00:36:09,920

observe the completion of iss is

782

00:36:17,510 --> 00:36:16,630

you had i likened yourself to kill a

783

00:36:19,030 --> 00:36:17,520

fish

784

00:36:21,349 --> 00:36:19,040

uh earlier

785

00:36:37,270 --> 00:36:21,359

but what is your uh

786

00:36:41,589 --> 00:36:39,670

the eva in the airlock and then it came

787

00:36:46,069 --> 00:36:41,599

back to the shut and and with the

788

00:36:52,950 --> 00:36:48,150

mr wakata has been

789

00:36:55,430 --> 00:36:52,960

swimming very swiftly in the big sea

790

00:36:58,870 --> 00:36:55,440

compared with him i'm just a killer fish

791

00:37:04,550 --> 00:37:01,109

endeavor iss this is houston acr that

792

00:37:10,870 --> 00:37:08,150

thank you media at jsc ksc nasa

793

00:37:14,069 --> 00:37:10,880

headquarters and in tokyo

794

00:37:17,430 --> 00:37:14,079

iss sir we are now resuming normal