



1
00:00:08,070 --> 00:00:03,750
station this is houston are you ready

2
00:00:13,669 --> 00:00:10,709
we are ready for the event

3
00:00:17,750 --> 00:00:13,679
kgo tv this is mission control houston

4
00:00:19,830 --> 00:00:17,760
please call station for a voice check

5
00:00:23,429 --> 00:00:19,840
station this is kgo tv how do you hear

6
00:00:29,750 --> 00:00:25,109
we have you loud and clear welcome to

7
00:00:32,950 --> 00:00:31,109
thank you very much it's a pleasure to

8
00:00:35,830 --> 00:00:32,960
talk to you we wanted to talk to you

9
00:00:37,350 --> 00:00:35,840
today about taking pictures in space we

10
00:00:39,670 --> 00:00:37,360
have all these wonderful photographs

11
00:00:41,270 --> 00:00:39,680
from you guys and we want to know uh

12
00:00:47,910 --> 00:00:41,280
what what do you most enjoy taking

13
00:00:52,790 --> 00:00:50,310

okay i think all of us can agree that uh

14

00:00:54,389 --> 00:00:52,800

taking pictures of the earth is uh the

15

00:00:56,470 --> 00:00:54,399

most enjoyable

16

00:00:58,310 --> 00:00:56,480

uh every time we look down there's it's

17

00:01:00,709 --> 00:00:58,320

different the lighting is different the

18

00:01:02,950 --> 00:01:00,719

clouds are different uh so even though

19

00:01:04,229 --> 00:01:02,960

we pass over the same place several

20

00:01:05,990 --> 00:01:04,239

times

21

00:01:08,870 --> 00:01:06,000

it just always looks a little different

22

00:01:12,310 --> 00:01:08,880

and for me that is definitely the most

23

00:01:13,990 --> 00:01:12,320

fun thing to take pictures of

24

00:01:15,429 --> 00:01:14,000

now that looks like a very heavy camera

25

00:01:20,630 --> 00:01:15,439

but i would imagine it's not so heavy in

26

00:01:24,789 --> 00:01:22,710

well that's part of the beauty of it is

27

00:01:27,350 --> 00:01:24,799

that you can maneuver

28

00:01:29,749 --> 00:01:27,360

a gun like this and uh be very

29

00:01:31,429 --> 00:01:29,759

comfortable and moving it around and

30

00:01:33,190 --> 00:01:31,439

point a different direction without any

31

00:01:35,109 --> 00:01:33,200

fatigue so it's uh

32

00:01:36,950 --> 00:01:35,119

it's actually really nice it's kind of

33

00:01:38,710 --> 00:01:36,960

like this microphone i can let it go and

34

00:01:43,270 --> 00:01:38,720

and it stays there and and then you can

35

00:01:46,550 --> 00:01:44,950

how much time do you guys have to take

36

00:01:47,910 --> 00:01:46,560

pictures up there what sort of gear are

37

00:01:54,630 --> 00:01:47,920

you using is this a camera that i could

38

00:01:57,990 --> 00:01:56,469

well um i think you have to ask your

39

00:01:59,590 --> 00:01:58,000

employer that to make sure before you

40

00:02:01,030 --> 00:01:59,600

head off to that that to buy this

41

00:02:03,670 --> 00:02:01,040

expensive camera i think they're pretty

42

00:02:05,510 --> 00:02:03,680

pricey but you certainly can that's um

43

00:02:10,469 --> 00:02:05,520

they're uh commercially available

44

00:02:14,470 --> 00:02:12,390

it's it's it's really it's really pretty

45

00:02:16,070 --> 00:02:14,480

con convenient to have such a selection

46

00:02:18,150 --> 00:02:16,080

that would that we have we have a wall

47

00:02:20,630 --> 00:02:18,160

of lenses and different camera bodies

48

00:02:22,390 --> 00:02:20,640

that we can use at any given time and

49

00:02:24,309 --> 00:02:22,400

it's usually in the evenings that we

50

00:02:26,869 --> 00:02:24,319

have personal time to take pictures but

51
00:02:28,470 --> 00:02:26,879
during the day um there are certain

52
00:02:30,470 --> 00:02:28,480
events certain locations that are

53
00:02:32,470 --> 00:02:30,480
scheduled into our day that we that we

54
00:02:36,229 --> 00:02:32,480
try to get pictures of

55
00:02:39,190 --> 00:02:37,589
when you're taking pictures is it kind

56
00:02:40,229 --> 00:02:39,200
of like taking travel photos is it kind

57
00:02:41,589 --> 00:02:40,239
of like you're on a trip and you're

58
00:02:43,830 --> 00:02:41,599
taking pictures out the window of the

59
00:02:45,350 --> 00:02:43,840
car i mean are there certain things that

60
00:02:46,790 --> 00:02:45,360
you're that you're able to see from the

61
00:02:51,990 --> 00:02:46,800
space station that you're just dying to

62
00:02:57,030 --> 00:02:55,110
yeah well it a lot of times in fact our

63
00:02:58,949 --> 00:02:57,040

one of our exercise pieces of exercise

64

00:03:00,790 --> 00:02:58,959

equipment is right right

65

00:03:03,110 --> 00:03:00,800

and above or below the cupola depending

66

00:03:04,710 --> 00:03:03,120

how you're looking at it and a lot of

67

00:03:06,710 --> 00:03:04,720

times when i'm working out i'll look up

68

00:03:08,229 --> 00:03:06,720

and and uh oh man i gotta go get a

69

00:03:10,149 --> 00:03:08,239

picture something is just as beautiful

70

00:03:12,390 --> 00:03:10,159

and and so in that way it's very similar

71

00:03:13,990 --> 00:03:12,400

to vacation when you're

72

00:03:15,589 --> 00:03:14,000

when you're traveling and you just have

73

00:03:17,270 --> 00:03:15,599

to stop you see some beautiful view that

74

00:03:22,229 --> 00:03:17,280

you want to take a picture of and so

75

00:03:26,710 --> 00:03:24,229

i mean how much does the scenery out the

76

00:03:28,390 --> 00:03:26,720

window change how does earth fill the

77

00:03:29,750 --> 00:03:28,400

window are you always seeing different

78

00:03:30,949 --> 00:03:29,760

weather systems and different events

79

00:03:35,430 --> 00:03:30,959

does it make you feel like you're close

80

00:03:38,229 --> 00:03:36,550

yeah we

81

00:03:39,910 --> 00:03:38,239

we never get tired looking out the

82

00:03:41,670 --> 00:03:39,920

window and it's something that we talk

83

00:03:43,910 --> 00:03:41,680

among ourselves

84

00:03:46,229 --> 00:03:43,920

it's it's amazing how

85

00:03:48,309 --> 00:03:46,239

even though the orbit

86

00:03:50,470 --> 00:03:48,319

sooner or later will will

87

00:03:52,149 --> 00:03:50,480

let us pass again over some place that

88

00:03:54,869 --> 00:03:52,159

we've already been

89

00:03:56,309 --> 00:03:54,879

it the earth is always perfect and

90

00:03:58,070 --> 00:03:56,319

always different

91

00:04:00,789 --> 00:03:58,080

it's constantly changing

92

00:04:02,550 --> 00:04:00,799

you never look outside and see something

93

00:04:05,509 --> 00:04:02,560

that you've seen before that is not

94

00:04:08,789 --> 00:04:05,519

somehow different the lighting the angle

95

00:04:10,710 --> 00:04:08,799

uh the cloud cover and the sunlight so

96

00:04:12,470 --> 00:04:10,720

you you can never possibly get tired

97

00:04:14,550 --> 00:04:12,480

looking on the window and and

98

00:04:16,870 --> 00:04:14,560

discovering you think it's it's uh

99

00:04:18,789 --> 00:04:16,880

that's just the beauty of this uh these

100

00:04:21,990 --> 00:04:18,799

amazing site this amazing site that we

101
00:04:24,310 --> 00:04:22,000
have now personally my my favorite way

102
00:04:26,310 --> 00:04:24,320
to look out the truck down on earth is

103
00:04:28,310 --> 00:04:26,320
when i when i was outside using this

104
00:04:30,150 --> 00:04:28,320
camera and i think chris would agree

105
00:04:33,510 --> 00:04:30,160
with that that is that nothing can

106
00:04:36,070 --> 00:04:34,710
so you have three different cameras

107
00:04:37,749 --> 00:04:36,080
there there's one with looks like a very

108
00:04:39,350 --> 00:04:37,759
wide lens one with a long one and that

109
00:04:43,670 --> 00:04:39,360
special one that's made for for going on

110
00:04:47,110 --> 00:04:45,830
yeah that's that's exactly right um

111
00:04:48,710 --> 00:04:47,120
we're a little bit tricking you with

112
00:04:51,510 --> 00:04:48,720
this white one it's really the same

113
00:04:53,590 --> 00:04:51,520

camera body with with um thermal blanket

114

00:04:55,830 --> 00:04:53,600

material over the top of it and uh and

115

00:04:58,790 --> 00:04:55,840

we can put whichever type of lens we we

116

00:05:00,790 --> 00:04:58,800

prefer for that particular spacewalk

117

00:05:02,550 --> 00:05:00,800

and then the camera bodies are the same

118

00:05:05,189 --> 00:05:02,560

on these two just with different lenses

119

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

and then we use some unique lenses for

120

00:05:08,390 --> 00:05:06,800

inside

121

00:05:09,510 --> 00:05:08,400

shots when

122

00:05:11,749 --> 00:05:09,520

we want to get a little wider

123

00:05:13,830 --> 00:05:11,759

perspective on an air in a narrow space

124

00:05:17,029 --> 00:05:13,840

and uh and then the obviously the longer

125

00:05:19,430 --> 00:05:17,039

lens here for really trying to to zero

126

00:05:20,790 --> 00:05:19,440

in on on a particular city or our

127

00:05:21,990 --> 00:05:20,800

hometown or

128

00:05:25,830 --> 00:05:22,000

anything of interest that we're trying

129

00:05:29,350 --> 00:05:27,590

i know i've seen you guys take some some

130

00:05:31,189 --> 00:05:29,360

selfies so to speak some self-portraits

131

00:05:32,310 --> 00:05:31,199

some trick photos what what what stuff

132

00:05:41,510 --> 00:05:32,320

do you do with the cameras when you're

133

00:05:46,070 --> 00:05:43,830

well i think every every crew of every

134

00:05:48,230 --> 00:05:46,080

expedition tries to tries to come up

135

00:05:49,749 --> 00:05:48,240

with something that um

136

00:05:52,150 --> 00:05:49,759

can somehow

137

00:05:53,350 --> 00:05:52,160

identify them and

138

00:05:54,950 --> 00:05:53,360

i think that something that's very

139

00:05:57,350 --> 00:05:54,960

peculiar about our crew is that he's one

140

00:05:59,990 --> 00:05:57,360

of the youngest crew overall that has

141

00:06:02,469 --> 00:06:00,000

been on the station i'm i'm 36 years old

142

00:06:04,550 --> 00:06:02,479

and my crew members are only slightly

143

00:06:07,430 --> 00:06:04,560

older than i am so we we like to send

144

00:06:09,909 --> 00:06:07,440

down pictures to the ground uh to the

145

00:06:11,749 --> 00:06:09,919

people that work with us every day

146

00:06:13,590 --> 00:06:11,759

to let them know that we think of them

147

00:06:16,390 --> 00:06:13,600

and and that we're having fun and even

148

00:06:18,629 --> 00:06:16,400

when things get um

149

00:06:20,790 --> 00:06:18,639

hard and it's a long day we still like

150

00:06:22,870 --> 00:06:20,800

to take a funny pictures that where we

151
00:06:25,350 --> 00:06:22,880
are we're all smiling or we are you know

152
00:06:27,909 --> 00:06:25,360
in some funny position or something

153
00:06:29,830 --> 00:06:27,919
funny happen and we like to uh to take a

154
00:06:31,590 --> 00:06:29,840
shot at that and let people know that

155
00:06:33,189 --> 00:06:31,600
that we're having fun and it's this is a

156
00:06:37,350 --> 00:06:33,199
great place to work and we're grateful

157
00:06:41,110 --> 00:06:39,189
is it fun is it especially fun to be in

158
00:06:42,870 --> 00:06:41,120
microgravity are there things you can do

159
00:06:48,550 --> 00:06:42,880
there to take cool pictures that you

160
00:06:52,870 --> 00:06:50,550
actually uh yeah one of the one of the

161
00:06:54,950 --> 00:06:52,880
coolest things

162
00:06:56,870 --> 00:06:54,960
well yeah you can be superman you can

163
00:06:57,670 --> 00:06:56,880

but also playing with other objects that

164

00:07:01,990 --> 00:06:57,680

um

165

00:07:04,309 --> 00:07:02,000

water i'm sure you've seen those

166

00:07:06,070 --> 00:07:04,319

pictures where you get a bubble of water

167

00:07:07,830 --> 00:07:06,080

in front of you and of course in the

168

00:07:09,110 --> 00:07:07,840

water because of refraction your face is

169

00:07:11,189 --> 00:07:09,120

upside down

170

00:07:12,790 --> 00:07:11,199

and you just can't do that anywhere else

171

00:07:15,189 --> 00:07:12,800

this is the only place that that's

172

00:07:18,150 --> 00:07:15,199

possible so things like that really make

173

00:07:21,990 --> 00:07:19,909

now i wanted to talk real briefly about

174

00:07:24,070 --> 00:07:22,000

that spacewalk and i know luca you were

175

00:07:25,270 --> 00:07:24,080

you had some tense moments there can you

176

00:07:32,790 --> 00:07:25,280

guys talk a little bit about what

177

00:07:37,110 --> 00:07:35,189

um yeah um

178

00:07:38,870 --> 00:07:37,120

for i think that for a couple of minutes

179

00:07:41,029 --> 00:07:38,880

there um maybe more than a couple of

180

00:07:42,950 --> 00:07:41,039

minutes i experienced what it's like to

181

00:07:45,430 --> 00:07:42,960

be a goldfish in a fishbowl from the

182

00:07:46,629 --> 00:07:45,440

point of view of the or the goldfish

183

00:07:48,790 --> 00:07:46,639

so

184

00:07:49,990 --> 00:07:48,800

about half an hour into the eva 45

185

00:07:51,670 --> 00:07:50,000

minutes maybe

186

00:07:53,110 --> 00:07:51,680

chris and i were we're ahead on our

187

00:07:55,909 --> 00:07:53,120

tasks so

188

00:07:57,990 --> 00:07:55,919

we were starting our third task and i

189

00:08:01,110 --> 00:07:58,000

felt some water on the back of my head

190

00:08:03,589 --> 00:08:01,120

and i realized that it was cold water it

191

00:08:05,350 --> 00:08:03,599

it was a it was not a normal feeling so

192

00:08:07,670 --> 00:08:05,360

i i told ground

193

00:08:09,270 --> 00:08:07,680

chris cam came by to to give up to give

194

00:08:11,589 --> 00:08:09,280

it a look he couldn't see anything he

195

00:08:13,110 --> 00:08:11,599

took some pictures of it but it wasn't

196

00:08:15,029 --> 00:08:13,120

until a couple of minutes later that we

197

00:08:16,710 --> 00:08:15,039

actually saw the water trickling in the

198

00:08:19,110 --> 00:08:16,720

front of the helmet

199

00:08:20,710 --> 00:08:19,120

and then i felt it covering my ears

200

00:08:22,950 --> 00:08:20,720

and at that point we called the

201
00:08:24,950 --> 00:08:22,960
terminate for the eva i started going

202
00:08:26,070 --> 00:08:24,960
back to the airlock

203
00:08:28,469 --> 00:08:26,080
and uh

204
00:08:30,869 --> 00:08:28,479
um the water kept trickling until it

205
00:08:33,430 --> 00:08:30,879
completely covered my eyes and my nose

206
00:08:34,949 --> 00:08:33,440
um it was really hard to see i i

207
00:08:36,389 --> 00:08:34,959
couldn't hear anything it was really

208
00:08:39,750 --> 00:08:36,399
hard to communicate

209
00:08:41,750 --> 00:08:39,760
uh i just i went back using just uh um

210
00:08:43,990 --> 00:08:41,760
just memory basically going back to the

211
00:08:46,310 --> 00:08:44,000
airlock until until i found it

212
00:08:49,030 --> 00:08:46,320
and then went inside and

213
00:08:51,269 --> 00:08:49,040

chris was there in in split seconds to

214

00:08:53,910 --> 00:08:51,279

come inside close the close the airlock

215

00:08:55,990 --> 00:08:53,920

and repressurize karen was already there

216

00:08:58,470 --> 00:08:56,000

ready to repressurize our russian

217

00:09:00,150 --> 00:08:58,480

colleagues were all there to help and

218

00:09:03,350 --> 00:09:00,160

they as soon as the

219

00:09:04,710 --> 00:09:03,360

as the two compartments were equalized

220

00:09:06,710 --> 00:09:04,720

they doffed

221

00:09:08,710 --> 00:09:06,720

meaning they took off my helmet wiped my

222

00:09:10,790 --> 00:09:08,720

face from all the water about uh three

223

00:09:13,829 --> 00:09:10,800

pound three pounds of water i would say

224

00:09:16,949 --> 00:09:13,839

and uh and that was the end of it um for

225

00:09:19,030 --> 00:09:16,959

me the worst part uh as

226

00:09:21,670 --> 00:09:19,040

chris mentioned i was i was miserable

227

00:09:23,030 --> 00:09:21,680

but okay uh it's just imagine walking

228

00:09:25,110 --> 00:09:23,040

around with your eyes closed in a

229

00:09:28,070 --> 00:09:25,120

fishbowl really that that that was going

230

00:09:29,590 --> 00:09:28,080

on in the the at the palm and the moment

231

00:09:31,269 --> 00:09:29,600

it's just a very uncomfortable feeling

232

00:09:33,269 --> 00:09:31,279

to to be with your

233

00:09:34,790 --> 00:09:33,279

with your face underwater for

234

00:09:36,550 --> 00:09:34,800

for all that time

235

00:09:38,389 --> 00:09:36,560

but the reaction of the crew was

236

00:09:40,230 --> 00:09:38,399

outstanding i think the crew on the

237

00:09:42,790 --> 00:09:40,240

ground and the crew on board

238

00:09:44,310 --> 00:09:42,800

chris really supported me and i was just

239

00:09:48,790 --> 00:09:44,320

lucky to

240

00:09:53,110 --> 00:09:50,550

all right thank you guys very much i

241

00:09:57,590 --> 00:09:53,120

really appreciate your time and uh and

242

00:09:57,600 --> 00:10:02,790

thanks a lot thanks for joining us

243

00:10:07,670 --> 00:10:05,110

station this is houston acr that

244

00:10:09,910 --> 00:10:07,680

concludes the double the kgo tv portion

245

00:10:13,590 --> 00:10:09,920

of the event please stand by for a voice

246

00:10:16,470 --> 00:10:13,600

check from wday tv

247

00:10:20,310 --> 00:10:16,480

station this is wday tv fargo do you

248

00:10:23,910 --> 00:10:21,910

we have you loud and clear welcome to

249

00:10:27,269 --> 00:10:23,920

the international space station

250

00:10:28,870 --> 00:10:27,279

thanks karen uh just to begin with the

251
00:10:31,430 --> 00:10:28,880
the picture you took of minnesota

252
00:10:34,069 --> 00:10:31,440
yesterday and tweeted karen is really

253
00:10:35,910 --> 00:10:34,079
going crazy on facebook and and and

254
00:10:37,509 --> 00:10:35,920
being retweeted what was that like

255
00:10:39,030 --> 00:10:37,519
because i know a couple years ago or on

256
00:10:40,630 --> 00:10:39,040
the shuttle flight you tried taking that

257
00:10:42,310 --> 00:10:40,640
picture i think it was cloudy so what

258
00:10:46,630 --> 00:10:42,320
was that like to actually see minnesota

259
00:10:49,829 --> 00:10:48,150
it was fantastic i actually have to

260
00:10:51,750 --> 00:10:49,839
thank chris for that he knew that i'd

261
00:10:54,069 --> 00:10:51,760
been waiting every

262
00:10:55,750 --> 00:10:54,079
i've been uh you know trying to look at

263
00:10:57,190 --> 00:10:55,760

the our world map program that shows

264

00:10:59,030 --> 00:10:57,200

when we're gonna cross over various

265

00:11:00,550 --> 00:10:59,040

places and and try and time it and i go

266

00:11:01,990 --> 00:11:00,560

to the window and it's cloudy again and

267

00:11:03,670 --> 00:11:02,000

that's that wasn't my shuttle flight

268

00:11:06,389 --> 00:11:03,680

when i had a chance to look two or three

269

00:11:08,230 --> 00:11:06,399

times and then finally i was uh

270

00:11:10,630 --> 00:11:08,240

doing a task and i get a call over

271

00:11:13,910 --> 00:11:10,640

intercom karen come the it's clear over

272

00:11:16,550 --> 00:11:13,920

minnesota and so i uh hightailed it down

273

00:11:19,110 --> 00:11:16,560

to the cupola and got a camera out and

274

00:11:21,509 --> 00:11:19,120

got some pictures it was pretty neat

275

00:11:23,829 --> 00:11:21,519

it's amazing i think a lot of people

276

00:11:25,829 --> 00:11:23,839

didn't expect that you could actually

277

00:11:27,430 --> 00:11:25,839

pick out the lakes

278

00:11:29,030 --> 00:11:27,440

you know the otter tail lakes the west

279

00:11:30,230 --> 00:11:29,040

battle east battle were you surprised

280

00:11:34,550 --> 00:11:30,240

that it was

281

00:11:37,829 --> 00:11:36,069

i really didn't know what to expect but

282

00:11:39,670 --> 00:11:37,839

i i was going to look for ottertail lake

283

00:11:41,190 --> 00:11:39,680

first because that i think in that area

284

00:11:43,030 --> 00:11:41,200

is the easiest to pick out and it was

285

00:11:43,829 --> 00:11:43,040

very easy to find it and then i knew

286

00:11:45,910 --> 00:11:43,839

that

287

00:11:48,069 --> 00:11:45,920

east battle lake was going to be nearby

288

00:11:50,790 --> 00:11:48,079

and so yeah it was it was very easy to

289

00:11:52,389 --> 00:11:50,800

find all of that with the naked eye

290

00:11:54,389 --> 00:11:52,399

and luca you've been tweeting a lot of

291

00:11:56,389 --> 00:11:54,399

pictures too and i think you and karen

292

00:11:59,509 --> 00:11:56,399

especially are finding it

293

00:12:01,030 --> 00:11:59,519

when there's big peninsulas and uh or or

294

00:12:03,269 --> 00:12:01,040

sicily or something like that that

295

00:12:04,870 --> 00:12:03,279

that's really fun to to take a picture

296

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

of because people back here on earth can

297

00:12:08,710 --> 00:12:07,360

kind of relate and and pick out is that

298

00:12:12,790 --> 00:12:08,720

some of the things you kind of look at

299

00:12:18,310 --> 00:12:15,910

well i am from sicily and italy and the

300

00:12:21,750 --> 00:12:18,320

italian peninsula is probably one of the

301

00:12:24,069 --> 00:12:21,760

easiest spot uh to to find on earth on

302

00:12:26,949 --> 00:12:24,079

any any time even at night just the

303

00:12:28,629 --> 00:12:26,959

shape is so recognizable uh already if

304

00:12:30,870 --> 00:12:28,639

somebody asked me to take a specific

305

00:12:32,629 --> 00:12:30,880

picture in central europe would be a lot

306

00:12:34,470 --> 00:12:32,639

harder to find and as a matter of fact

307

00:12:37,190 --> 00:12:34,480

we have had some some trouble picking

308

00:12:39,990 --> 00:12:37,200

specific cities and capitals uh over

309

00:12:42,230 --> 00:12:40,000

europe um and and it's and it's true

310

00:12:45,269 --> 00:12:42,240

also for central united states and and

311

00:12:47,509 --> 00:12:45,279

and the central regions of asia

312

00:12:49,750 --> 00:12:47,519

we like the coastlines because they they

313

00:12:51,509 --> 00:12:49,760

mark they are very easy to recognize we

314

00:12:54,310 --> 00:12:51,519

we can follow a coastline and find

315

00:12:55,829 --> 00:12:54,320

specific landmarks so it is a lot of fun

316

00:12:58,069 --> 00:12:55,839

especially for somebody like me that

317

00:13:00,389 --> 00:12:58,079

comes from from italy and for the south

318

00:13:02,550 --> 00:13:00,399

of italy it's a lot of fun to identify

319

00:13:04,629 --> 00:13:02,560

spots and take a picture and then send

320

00:13:06,150 --> 00:13:04,639

it down for people to to see what we're

321

00:13:08,629 --> 00:13:06,160

do to see what we're doing and kind of

322

00:13:10,790 --> 00:13:08,639

get them curious uh that we're up here

323

00:13:12,710 --> 00:13:10,800

and we when we are flying over them they

324

00:13:14,949 --> 00:13:12,720

need to realize that we do that on our

325

00:13:16,629 --> 00:13:14,959

spare time so we get a lot of requests

326

00:13:18,310 --> 00:13:16,639

please take a picture of this town this

327

00:13:20,230 --> 00:13:18,320

place it's really hard to do that

328

00:13:22,470 --> 00:13:20,240

because we cannot guarantee that we will

329

00:13:24,389 --> 00:13:22,480

be over a specific place at a specific

330

00:13:26,470 --> 00:13:24,399

time to make a picture

331

00:13:28,230 --> 00:13:26,480

sure and karen i'm sure you're able to

332

00:13:30,870 --> 00:13:28,240

share pictures with uh

333

00:13:32,949 --> 00:13:30,880

family back home and and i know you can

334

00:13:35,190 --> 00:13:32,959

communicate with your husband and son

335

00:13:37,110 --> 00:13:35,200

are are they communicating with uh your

336

00:13:41,590 --> 00:13:37,120

son's artwork back up in space are you

337

00:13:46,069 --> 00:13:43,829

yeah it's kind of nice i get uh pictures

338

00:13:48,870 --> 00:13:46,079

of him and some of the art he's done and

339

00:13:51,269 --> 00:13:48,880

then i send down pictures and videos to

340

00:13:52,470 --> 00:13:51,279

to uh to him and my husband

341

00:13:54,710 --> 00:13:52,480

we've had some great we have had great

342

00:13:56,710 --> 00:13:54,720

communication

343

00:13:59,110 --> 00:13:56,720

lukak and i was listening to the

344

00:14:01,430 --> 00:13:59,120

interview uh prior to mine and i was

345

00:14:03,350 --> 00:14:01,440

just going to ask in the last 12 18

346

00:14:05,990 --> 00:14:03,360

hours have they been able to pin down

347

00:14:12,150 --> 00:14:06,000

any more on on on where that water came

348

00:14:17,269 --> 00:14:14,069

we have been doing some troubleshooting

349

00:14:19,110 --> 00:14:17,279

chris and i on my suit and and trying to

350

00:14:21,670 --> 00:14:19,120

uh find uh

351

00:14:23,829 --> 00:14:21,680

find what the the source could be at the

352

00:14:25,350 --> 00:14:23,839

at this specific moment we know where it

353

00:14:26,949 --> 00:14:25,360

where it did not come from we know it

354

00:14:29,030 --> 00:14:26,959

didn't come from the water back that

355

00:14:31,750 --> 00:14:29,040

that we used to drink and we know it

356

00:14:34,150 --> 00:14:31,760

didn't come from my uh from my lcvg the

357

00:14:37,350 --> 00:14:34,160

liquid cooling garment that we wear

358

00:14:39,110 --> 00:14:37,360

under the suit uh but nasa the nasa

359

00:14:41,590 --> 00:14:39,120

specialists and the engineers are still

360

00:14:43,189 --> 00:14:41,600

working really hard uh to find out

361

00:14:44,949 --> 00:14:43,199

exactly what happened and i'm sure that

362

00:14:48,629 --> 00:14:44,959

they will find

363

00:14:52,629 --> 00:14:50,310

and chris that certainly was a team

364

00:14:54,230 --> 00:14:52,639

effort i know karen was there as well

365

00:14:55,670 --> 00:14:54,240

that's one of those things that's not in

366

00:14:56,790 --> 00:14:55,680

the binder that you guys are always

367

00:14:58,710 --> 00:14:56,800

looking at

368

00:15:03,269 --> 00:14:58,720

can you just describe what those few

369

00:15:06,710 --> 00:15:04,629

yeah that's a good question you know

370

00:15:08,790 --> 00:15:06,720

before every spacewalker every major

371

00:15:10,870 --> 00:15:08,800

task that we do

372

00:15:12,470 --> 00:15:10,880

with robotics for example or spacewalks

373

00:15:14,150 --> 00:15:12,480

we have a brief and together as a crew

374

00:15:16,069 --> 00:15:14,160

we talk about what we're going to do and

375

00:15:18,790 --> 00:15:16,079

that where what we will do if there's a

376

00:15:20,790 --> 00:15:18,800

problem and we did the same thing the

377

00:15:23,030 --> 00:15:20,800

day before yesterday and we talked about

378

00:15:24,870 --> 00:15:23,040

a few different uh issues but lo and

379

00:15:27,110 --> 00:15:24,880

behold what happened was not one of

380

00:15:29,350 --> 00:15:27,120

those items that we discussed and

381

00:15:31,350 --> 00:15:29,360

and it was just through training and

382

00:15:33,509 --> 00:15:31,360

understanding about what's inside the

383

00:15:35,189 --> 00:15:33,519

suit how the suit works and how it could

384

00:15:35,990 --> 00:15:35,199

propagate to a bigger problem which it

385

00:15:37,829 --> 00:15:36,000

did

386

00:15:39,030 --> 00:15:37,839

and and then communicating with the

387

00:15:42,230 --> 00:15:39,040

ground

388

00:15:44,389 --> 00:15:42,240

when to end it and in my own gut feeling

389

00:15:46,870 --> 00:15:44,399

i could i knew it was time to end it

390

00:15:49,350 --> 00:15:46,880

when i saw the water creeping around his

391

00:15:50,389 --> 00:15:49,360

communications cap kind of right by his

392

00:15:53,030 --> 00:15:50,399

eyelid

393

00:15:55,430 --> 00:15:53,040

and and i knew that was a significant

394

00:15:58,150 --> 00:15:55,440

amount of water to be in a helmet

395

00:15:59,509 --> 00:15:58,160

and it was time to go in and and that

396

00:16:01,670 --> 00:15:59,519

all happened just like you said it was

397

00:16:03,829 --> 00:16:01,680

just a few moments it was maybe

398

00:16:05,430 --> 00:16:03,839

four to six minutes

399

00:16:07,590 --> 00:16:05,440

that we were discussing it and sitting

400

00:16:10,470 --> 00:16:07,600

outside and quickly the plan developed

401
00:16:12,629 --> 00:16:10,480
and and as all accidents or incidents

402
00:16:14,790 --> 00:16:12,639
excuse me happen it's right when the sun

403
00:16:16,629 --> 00:16:14,800
was setting and right uh as it made

404
00:16:19,670 --> 00:16:16,639
things harder so all those things sort

405
00:16:21,430 --> 00:16:19,680
of came together um at the perfect storm

406
00:16:24,629 --> 00:16:21,440
if you so to speak

407
00:16:25,990 --> 00:16:24,639
for for us to deal with

408
00:16:30,949 --> 00:16:26,000
well guys i really appreciate it you

409
00:16:30,959 --> 00:16:36,150
thanks a lot thanks for joining us

410
00:16:43,110 --> 00:16:38,949
station this is houston acr thank you

411
00:16:50,310 --> 00:16:47,030
thank you kgo tv and wda tv station we

412
00:16:52,550 --> 00:16:50,320
are now resuming operational audiocom

413
00:16:55,110 --> 00:16:52,560

and chris we are ready for your private