



1
00:00:06,269 --> 00:00:03,990
houston this is the space station ready

2
00:00:09,990 --> 00:00:06,279
for the event

3
00:00:15,110 --> 00:00:10,000
wgme tv this is mission control houston

4
00:00:21,510 --> 00:00:17,670
station this is wgme tv how do you hear

5
00:00:27,830 --> 00:00:23,429
loud and clear welcome aboard to the

6
00:00:31,910 --> 00:00:29,990
thank you so much chris first of all i

7
00:00:33,590 --> 00:00:31,920
would like to say it is such an honor

8
00:00:36,150 --> 00:00:33,600
and a privilege to be able to talk to

9
00:00:42,709 --> 00:00:36,160
you again aboard the iss so thank you

10
00:00:46,950 --> 00:00:44,790
absolutely my pleasure my time is

11
00:00:51,510 --> 00:00:46,960
winding down so i'm very happy to talk

12
00:00:55,430 --> 00:00:53,590
well let's talk about that a bit it must

13
00:00:57,510 --> 00:00:55,440

seem almost unreal to you that this

14

00:01:03,430 --> 00:00:57,520

mission is about to come to a close how

15

00:01:08,149 --> 00:01:05,750

you know it's interesting i get that as

16

00:01:10,789 --> 00:01:08,159

i get asked that often these days and

17

00:01:12,469 --> 00:01:10,799

the time has gone by so incredibly fast

18

00:01:14,469 --> 00:01:12,479

it feels to me honestly like i've been

19

00:01:17,590 --> 00:01:14,479

here three and a half months or so

20

00:01:18,950 --> 00:01:17,600

instead of five just north of five but

21

00:01:21,270 --> 00:01:18,960

um

22

00:01:23,190 --> 00:01:21,280

i'll be really sad to leave next week

23

00:01:25,270 --> 00:01:23,200

this is an incredible and an incredible

24

00:01:27,590 --> 00:01:25,280

experience this place is an amazing

25

00:01:29,350 --> 00:01:27,600

laboratory but by the same token i'm

26

00:01:31,510 --> 00:01:29,360

ready to go it's time for somebody else

27

00:01:33,429 --> 00:01:31,520

to some other people to come and and do

28

00:01:34,950 --> 00:01:33,439

their thing and have their opportunity

29

00:01:39,030 --> 00:01:34,960

and i'm really excited to go back and

30

00:01:43,190 --> 00:01:41,190

as they are excited to see you i am sure

31

00:01:44,870 --> 00:01:43,200

chris tell us a little bit about some of

32

00:01:46,789 --> 00:01:44,880

the highlights if you could i'm sure

33

00:01:48,550 --> 00:01:46,799

there are many over the last five months

34

00:01:53,590 --> 00:01:48,560

but for you what's going to stand out

35

00:02:00,469 --> 00:01:58,230

well um that's so hard to answer but uh

36

00:02:02,469 --> 00:02:00,479

some of the obvious ones are one night

37

00:02:04,149 --> 00:02:02,479

when chris hadfield tom marshburn and i

38

00:02:06,149 --> 00:02:04,159

went to bed thinking it was gonna be a

39

00:02:07,510 --> 00:02:06,159

normal uh friday when we woke up the

40

00:02:10,389 --> 00:02:07,520

next day and we were told we were doing

41

00:02:12,229 --> 00:02:10,399

a spacewalk the following day

42

00:02:13,830 --> 00:02:12,239

that was certainly a highlight in tom

43

00:02:15,990 --> 00:02:13,840

and myself getting an opportunity to go

44

00:02:18,550 --> 00:02:16,000

out and fix the ammonia leak or be part

45

00:02:20,869 --> 00:02:18,560

of that whole process

46

00:02:22,710 --> 00:02:20,879

and then

47

00:02:24,470 --> 00:02:22,720

being up here with the international

48

00:02:26,949 --> 00:02:24,480

crew to me is a highlight even though

49

00:02:30,070 --> 00:02:26,959

that's not a one discrete event it's

50

00:02:33,589 --> 00:02:30,080

just the whole daily interaction uh with

51
00:02:35,670 --> 00:02:33,599
a canadian russians italian and nasa

52
00:02:38,150 --> 00:02:35,680
colleagues it's just been fantastic and

53
00:02:39,430 --> 00:02:38,160
then to to right before going to bed

54
00:02:41,910 --> 00:02:39,440
have the opportunity to look out the

55
00:02:43,509 --> 00:02:41,920
window and see our planet below us all

56
00:02:47,030 --> 00:02:43,519
those things will just stay with me

57
00:02:50,869 --> 00:02:48,710
if we could talk just for a moment about

58
00:02:52,470 --> 00:02:50,879
that spacewalk there were some dicey

59
00:02:54,630 --> 00:02:52,480
moments there where i'm sure your heart

60
00:03:00,710 --> 00:02:54,640
was racing can you run us through the

61
00:03:05,990 --> 00:03:03,910
yeah absolutely um so it was a planned

62
00:03:08,309 --> 00:03:06,000
like most star six hour six and a half

63
00:03:11,350 --> 00:03:08,319

hour space walk and very early into it

64

00:03:13,430 --> 00:03:11,360

about 45 minutes or so luca felt the

65

00:03:16,229 --> 00:03:13,440

early hint of water on the back of his

66

00:03:17,910 --> 00:03:16,239

head which is totally not normal

67

00:03:19,430 --> 00:03:17,920

of course we're sweating and working we

68

00:03:20,949 --> 00:03:19,440

have a cooling system inside but

69

00:03:23,509 --> 00:03:20,959

sometimes we do get pretty hot and

70

00:03:25,190 --> 00:03:23,519

sweaty but to have that much water was

71

00:03:25,990 --> 00:03:25,200

was really kind of

72

00:03:27,750 --> 00:03:26,000

uh

73

00:03:29,430 --> 00:03:27,760

at first made us scratch our heads like

74

00:03:30,869 --> 00:03:29,440

where is it coming from we're trying to

75

00:03:32,309 --> 00:03:30,879

think out loud where the water will be

76

00:03:34,470 --> 00:03:32,319

coming from and as we're doing this

77

00:03:36,149 --> 00:03:34,480

troubleshooting you could literally see

78

00:03:37,670 --> 00:03:36,159

i was like i'm looking like three feet

79

00:03:39,830 --> 00:03:37,680

away from lucas hellman i could see the

80

00:03:41,750 --> 00:03:39,840

water kind of creeping around the side

81

00:03:44,149 --> 00:03:41,760

and that's when we knew that it wasn't

82

00:03:45,030 --> 00:03:44,159

right and it was time to head back in

83

00:03:47,110 --> 00:03:45,040

and

84

00:03:49,190 --> 00:03:47,120

just as luck would have it the sun was

85

00:03:51,030 --> 00:03:49,200

setting at that moment so it got dark

86

00:03:53,429 --> 00:03:51,040

and when it's dark on a space walk it's

87

00:03:55,589 --> 00:03:53,439

pit's pitch dark and uh and luca had to

88

00:03:58,710 --> 00:03:55,599

get his way back to this to the airlock

89
00:04:00,470 --> 00:03:58,720
by himself because my route had me going

90
00:04:02,070 --> 00:04:00,480
mandated that i go another way and so by

91
00:04:05,190 --> 00:04:02,080
the time we got back together at the

92
00:04:07,990 --> 00:04:05,200
airlock i could see the water was uh all

93
00:04:09,990 --> 00:04:08,000
inside his helmet he could not hear very

94
00:04:12,470 --> 00:04:10,000
well or speak

95
00:04:13,910 --> 00:04:12,480
and in some cases not see but he was

96
00:04:15,830 --> 00:04:13,920
still able to breathe but it was just

97
00:04:18,150 --> 00:04:15,840
not a very comfortable feeling for him

98
00:04:19,590 --> 00:04:18,160
and uh and we worked quickly with all of

99
00:04:22,390 --> 00:04:19,600
the people on the ground and the rest of

100
00:04:26,469 --> 00:04:22,400
folks inside to get uh re-pressurized

101
00:04:29,909 --> 00:04:28,150
and safely well those are the kind of

102
00:04:32,230 --> 00:04:29,919
moments when you realize you're not at

103
00:04:33,350 --> 00:04:32,240
home anymore i'm sure chris tell us a

104
00:04:35,270 --> 00:04:33,360
little bit more about some of the

105
00:04:37,990 --> 00:04:35,280
experiments that you've taken part in on

106
00:04:43,110 --> 00:04:38,000
the iss and why it's so important to

107
00:04:46,550 --> 00:04:45,350
yeah you know it's there's uh there's

108
00:04:47,990 --> 00:04:46,560
several kinds there's kinds of

109
00:04:49,590 --> 00:04:48,000
experiments that are just going on all

110
00:04:51,590 --> 00:04:49,600
the time that we don't have much part in

111
00:04:53,270 --> 00:04:51,600
and uh there's kind that we are the

112
00:04:54,710 --> 00:04:53,280
subjects of and then there's the type

113
00:04:56,550 --> 00:04:54,720

that we actually

114

00:04:58,230 --> 00:04:56,560

are the eyes and ears for the scientists

115

00:05:00,469 --> 00:04:58,240

on the ground and those are the ones

116

00:05:03,110 --> 00:05:00,479

that are really memorable for for me for

117

00:05:04,950 --> 00:05:03,120

us because it's we're involved right

118

00:05:06,310 --> 00:05:04,960

there with the science and and uh

119

00:05:09,430 --> 00:05:06,320

initially i did

120

00:05:11,830 --> 00:05:09,440

a thing called bass where we we tested

121

00:05:14,230 --> 00:05:11,840

the combustibility of certain materials

122

00:05:16,310 --> 00:05:14,240

and every guy likes to play with fire so

123

00:05:17,830 --> 00:05:16,320

it was very small and safe contained in

124

00:05:19,909 --> 00:05:17,840

a glove box right here but that was

125

00:05:21,749 --> 00:05:19,919

really neat and then another interesting

126

00:05:24,310 --> 00:05:21,759

one about

127

00:05:26,629 --> 00:05:24,320

changing the shape of ful of fluid

128

00:05:28,070 --> 00:05:26,639

containers so that you can force the

129

00:05:31,110 --> 00:05:28,080

fluid to go where you want and the

130

00:05:32,710 --> 00:05:31,120

application is a pumpless uh fuel tank

131

00:05:35,510 --> 00:05:32,720

so you can get all the fuel out of your

132

00:05:37,430 --> 00:05:35,520

tank uh in space and then the kind when

133

00:05:40,629 --> 00:05:37,440

where the subjects are the ones that

134

00:05:42,310 --> 00:05:40,639

apply really to earth and uh uh

135

00:05:45,510 --> 00:05:42,320

we've been really involved with an

136

00:05:46,270 --> 00:05:45,520

ultrasound machine uh testing

137

00:05:49,189 --> 00:05:46,280

uh

138

00:05:51,990 --> 00:05:49,199

ultrasounding our spine and heart and

139

00:05:52,790 --> 00:05:52,000

things and the application there is

140

00:05:54,870 --> 00:05:52,800

really

141

00:05:57,909 --> 00:05:54,880

to use ultrasound in lieu of what you

142

00:05:59,990 --> 00:05:57,919

might typically use an mri machine for

143

00:06:01,990 --> 00:06:00,000

for really impoverished parts of the

144

00:06:05,590 --> 00:06:02,000

world can get the medical care that they

145

00:06:10,070 --> 00:06:07,749

absolutely fascinating chris tell me a

146

00:06:12,230 --> 00:06:10,080

little bit now about what happens as you

147

00:06:14,469 --> 00:06:12,240

prepare to leave the iss is there

148

00:06:18,950 --> 00:06:14,479

anything physical that you need to do in

149

00:06:23,830 --> 00:06:21,670

well the the physical fitness kind of

150

00:06:25,590 --> 00:06:23,840

preparation has been ongoing if i just

151
00:06:27,350 --> 00:06:25,600
started now i'm too late and i might as

152
00:06:28,710 --> 00:06:27,360
well just quit because i'm hot behind

153
00:06:30,469 --> 00:06:28,720
the power curve but that's not the case

154
00:06:32,309 --> 00:06:30,479
fortunately we have a really nice

155
00:06:35,350 --> 00:06:32,319
protocol and we've been working out the

156
00:06:38,150 --> 00:06:35,360
whole time and i feel physically strong

157
00:06:41,350 --> 00:06:38,160
to get back my vestibular system will be

158
00:06:43,430 --> 00:06:41,360
all messed up for the first week or two

159
00:06:44,790 --> 00:06:43,440
weeks or so

160
00:06:46,629 --> 00:06:44,800
and and then i'll have to go through

161
00:06:48,950 --> 00:06:46,639
some rehabilitation

162
00:06:51,029 --> 00:06:48,960
once i'm back to houston but right now

163
00:06:53,110 --> 00:06:51,039

what i'm doing is just organizing my

164

00:06:55,110 --> 00:06:53,120

things if you were going to take a big

165

00:06:56,710 --> 00:06:55,120

trip to some foreign country you

166

00:06:58,390 --> 00:06:56,720

wouldn't start packing the night before

167

00:07:00,710 --> 00:06:58,400

although i don't know maybe you do but

168

00:07:03,029 --> 00:07:00,720

uh ideally you you pack a little bit

169

00:07:05,189 --> 00:07:03,039

before then and so you have it's it's

170

00:07:06,550 --> 00:07:05,199

it's rushed um and that's what i'm

171

00:07:09,589 --> 00:07:06,560

trying to do right now making sure i'm

172

00:07:10,469 --> 00:07:09,599

not forgetting anything uh like my

173

00:07:12,550 --> 00:07:10,479

uh

174

00:07:14,230 --> 00:07:12,560

like my main lobster

175

00:07:15,830 --> 00:07:14,240

right here i want to make sure i have

176

00:07:19,589 --> 00:07:15,840

everything all packed up it's nice and

177

00:07:23,350 --> 00:07:21,670

that's awesome chris all i know is that

178

00:07:24,230 --> 00:07:23,360

i would have brought too much stuff i'm

179

00:07:25,749 --> 00:07:24,240

sure

180

00:07:27,670 --> 00:07:25,759

speaking of maine i think it's been

181

00:07:29,350 --> 00:07:27,680

terrific how you've managed to stay in

182

00:07:31,270 --> 00:07:29,360

touch with your hometown even taking

183

00:07:32,950 --> 00:07:31,280

part in the road race what is it meant

184

00:07:38,070 --> 00:07:32,960

like you for you rather to stay

185

00:07:43,029 --> 00:07:40,390

well it's just really special

186

00:07:44,950 --> 00:07:43,039

as the only astronaut well we just

187

00:07:46,790 --> 00:07:44,960

selected an astronaut also for maine but

188

00:07:49,510 --> 00:07:46,800

until just recently i've been the only

189

00:07:51,189 --> 00:07:49,520

astronaut from maine and uh and that's a

190

00:07:53,350 --> 00:07:51,199

great deal of pride for me to to

191

00:07:55,670 --> 00:07:53,360

represent our state in the manned space

192

00:07:58,070 --> 00:07:55,680

program and and it's something that i

193

00:07:59,589 --> 00:07:58,080

think is fun to try to connect back with

194

00:08:01,510 --> 00:07:59,599

the folks

195

00:08:03,909 --> 00:08:01,520

there because i'm just a regular main

196

00:08:05,749 --> 00:08:03,919

guy just like everybody else i hope i'm

197

00:08:07,270 --> 00:08:05,759

just fortunate enough to be up here and

198

00:08:10,469 --> 00:08:07,280

be talking to you on this side of the

199

00:08:17,589 --> 00:08:12,309

what an amazing opportunity for you

200

00:08:22,150 --> 00:08:19,430

well once i get on the ground and get

201
00:08:24,070 --> 00:08:22,160
rehabilitated there'll be some uh some

202
00:08:25,510 --> 00:08:24,080
public relations kind of trips i think

203
00:08:27,350 --> 00:08:25,520
i'm coming through

204
00:08:29,510 --> 00:08:27,360
maine in the first week of november for

205
00:08:32,149 --> 00:08:29,520
some schools and things like this

206
00:08:34,310 --> 00:08:32,159
and then a few more trips before

207
00:08:35,990 --> 00:08:34,320
all sort of public relations kind of

208
00:08:37,589 --> 00:08:36,000
trips before the holidays and then i'll

209
00:08:39,430 --> 00:08:37,599
get back to

210
00:08:41,750 --> 00:08:39,440
my regular day job

211
00:08:43,509 --> 00:08:41,760
after the new year in houston supporting

212
00:08:46,790 --> 00:08:43,519
other folks that are up here doing the

213
00:08:46,800 --> 00:08:51,750

so are you going to miss that view

214

00:08:55,829 --> 00:08:53,910

oh it's hard not to miss that view but

215

00:08:57,269 --> 00:08:55,839

fortunately i have it ingrained in my

216

00:08:59,590 --> 00:08:57,279

head and i've got some wonderful

217

00:09:01,030 --> 00:08:59,600

pictures uh

218

00:09:03,110 --> 00:09:01,040

as keepsakes

219

00:09:04,630 --> 00:09:03,120

but really really is a fantastic view

220

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

when you come up from new york city and

221

00:09:09,269 --> 00:09:07,279

you see cape cod and maine and you and

222

00:09:11,190 --> 00:09:09,279

before you know it you're you're you're

223

00:09:13,190 --> 00:09:11,200

uh looking off into canada and prince

224

00:09:14,870 --> 00:09:13,200

out of rhino it really happens really

225

00:09:17,829 --> 00:09:14,880

quick and you realize how fast you're

226

00:09:21,190 --> 00:09:17,839

going when if you imagine driving from

227

00:09:23,509 --> 00:09:21,200

boston to uh to all the way to the to

228

00:09:26,949 --> 00:09:23,519

the down east main so

229

00:09:30,230 --> 00:09:28,150

well there were a couple times this

230

00:09:32,310 --> 00:09:30,240

summer when i was at a dock in casco bay

231

00:09:34,150 --> 00:09:32,320

looking up at you and i'm sure that you

232

00:09:36,070 --> 00:09:34,160

saw me so i'm just going to believe that

233

00:09:41,190 --> 00:09:36,080

for now and say thank you so much chris

234

00:09:47,590 --> 00:09:42,790

thank you so much it was great to talk

235

00:09:52,389 --> 00:09:49,590

station this is houston acr that

236

00:09:53,269 --> 00:09:52,399

concludes the wgme tv portion of the

237

00:09:55,190 --> 00:09:53,279

event

238

00:09:57,990 --> 00:09:55,200

please stand by for a voice check from

239

00:09:59,990 --> 00:09:58,000

cbs radio network

240

00:10:04,389 --> 00:10:00,000

station good morning this is cbs radio

241

00:10:08,150 --> 00:10:06,069

hi bill welcome to the space station

242

00:10:09,829 --> 00:10:08,160

great to hear you again

243

00:10:11,750 --> 00:10:09,839

actually chris this is peter king but

244

00:10:13,910 --> 00:10:11,760

bill harwood will be on the line with us

245

00:10:16,150 --> 00:10:13,920

both in just a couple of seconds here

246

00:10:18,630 --> 00:10:16,160

and and i guess we have to start with

247

00:10:20,949 --> 00:10:18,640

the requisite question of you coming

248

00:10:22,630 --> 00:10:20,959

home next tuesday and i know there have

249

00:10:27,350 --> 00:10:22,640

got to be a mixture of emotions are you

250

00:10:31,670 --> 00:10:29,030

well you know um

251

00:10:34,230 --> 00:10:31,680

i i definitely will be sad to go it's

252

00:10:37,430 --> 00:10:34,240

just so so incredible and such an honor

253

00:10:39,030 --> 00:10:37,440

to be here but after after six months

254

00:10:41,750 --> 00:10:39,040

five months

255

00:10:43,509 --> 00:10:41,760

you know it's definitely you feel ready

256

00:10:45,030 --> 00:10:43,519

i'm excited to get home and see my

257

00:10:48,230 --> 00:10:45,040

friends and family

258

00:10:49,910 --> 00:10:48,240

and get back to just normal stuff

259

00:10:51,670 --> 00:10:49,920

so it'll be a little of all those

260

00:10:53,910 --> 00:10:51,680

emotions what are the things you're

261

00:10:55,269 --> 00:10:53,920

looking most forward to once you get on

262

00:10:56,630 --> 00:10:55,279

the ground besides the family and

263

00:10:58,310 --> 00:10:56,640

friends that you just

264

00:11:05,110 --> 00:10:58,320

mentioned and and what are you going to

265

00:11:09,670 --> 00:11:07,110

i think a

266

00:11:11,990 --> 00:11:09,680

a gooey fresh baked chocolate chip

267

00:11:14,310 --> 00:11:12,000

cookie ranks right on the top of my list

268

00:11:16,630 --> 00:11:14,320

of things that i'm excited about and

269

00:11:18,150 --> 00:11:16,640

what i will miss most up here

270

00:11:20,230 --> 00:11:18,160

is

271

00:11:22,310 --> 00:11:20,240

the the camarade international

272

00:11:23,430 --> 00:11:22,320

camaraderie that exists with a crew like

273

00:11:26,310 --> 00:11:23,440

this

274

00:11:29,190 --> 00:11:26,320

sharing meals together sharing

275

00:11:30,870 --> 00:11:29,200

fun days and hard days and cargo days

276

00:11:35,670 --> 00:11:30,880

and just the whole experience with the

277

00:11:39,190 --> 00:11:37,110

wait over at the kennedy space center

278

00:11:40,870 --> 00:11:39,200

chris a couple of quick ones from me

279

00:11:42,069 --> 00:11:40,880

um mike suffredini was telling us

280

00:11:43,190 --> 00:11:42,079

yesterday that you're going to be doing

281

00:11:45,030 --> 00:11:43,200

some simple

282

00:11:46,470 --> 00:11:45,040

post landing exercises kind of part of

283

00:11:48,550 --> 00:11:46,480

the program to see what might mean

284

00:11:50,790 --> 00:11:48,560

needed for future voyagers making really

285

00:11:52,069 --> 00:11:50,800

long duration flights maybe to mars or

286

00:11:53,990 --> 00:11:52,079

something like that i mean as a next

287

00:11:55,509 --> 00:11:54,000

seal i mean you're obviously in better

288

00:11:57,030 --> 00:11:55,519

shape than most and you've stayed in

289

00:11:58,310 --> 00:11:57,040

shape and orbit but what do you how do

290

00:12:03,030 --> 00:11:58,320

you think that's going to go and tell me

291

00:12:07,750 --> 00:12:06,230

well they at face value those things the

292

00:12:09,269 --> 00:12:07,760

tasks that i'll be doing are not super

293

00:12:11,030 --> 00:12:09,279

complicated

294

00:12:13,590 --> 00:12:11,040

sitting from from sitting in a chair

295

00:12:16,310 --> 00:12:13,600

standing up from lying down flat to

296

00:12:18,949 --> 00:12:16,320

standing up and some small jumps i think

297

00:12:21,110 --> 00:12:18,959

like just few basic things that i've all

298

00:12:22,069 --> 00:12:21,120

done pre-flight and they have videoed

299

00:12:25,910 --> 00:12:22,079

how

300

00:12:28,230 --> 00:12:25,920

when i'm normally adjusted to 1g and

301
00:12:29,750 --> 00:12:28,240
i'll do those again uh very soon after

302
00:12:32,150 --> 00:12:29,760
landing in the medical tent there in

303
00:12:33,829 --> 00:12:32,160
kazakhstan and uh

304
00:12:36,150 --> 00:12:33,839
i'm kind of curious to be quite honest

305
00:12:38,870 --> 00:12:36,160
bill i'm really curious how it will go

306
00:12:40,389 --> 00:12:38,880
i remember how i felt after my shuttle

307
00:12:42,069 --> 00:12:40,399
landing and i think i could have done

308
00:12:44,150 --> 00:12:42,079
those i would have been wobbly but i

309
00:12:45,990 --> 00:12:44,160
would have been able to do those tasks

310
00:12:48,230 --> 00:12:46,000
so i'm really really curious to see how

311
00:12:50,230 --> 00:12:48,240
it is after after this length of time i

312
00:12:52,069 --> 00:12:50,240
don't think physical fitness has much

313
00:12:54,470 --> 00:12:52,079

that much to do with it as it does

314

00:12:56,310 --> 00:12:54,480

neural vestibular kind of things

315

00:12:58,069 --> 00:12:56,320

yeah you're probably right about that

316

00:12:59,350 --> 00:12:58,079

um one quick question in terms of what

317

00:13:00,790 --> 00:12:59,360

you're looking forward to with landing

318

00:13:02,150 --> 00:13:00,800

you'll be riding the soyuz home tell me

319

00:13:03,910 --> 00:13:02,160

a little bit about what you're looking

320

00:13:07,509 --> 00:13:03,920

forward to that's that's quite a ride by

321

00:13:11,350 --> 00:13:09,430

you know everybody i talked to has said

322

00:13:12,870 --> 00:13:11,360

it's just they i ask them what it's like

323

00:13:15,509 --> 00:13:12,880

and they just shake their hands they you

324

00:13:17,750 --> 00:13:15,519

just gotta experience it so i'm really

325

00:13:20,310 --> 00:13:17,760

excited to just experiencing it but

326

00:13:23,509 --> 00:13:20,320

specifically

327

00:13:26,310 --> 00:13:23,519

the the parachute opening i i'm really

328

00:13:28,550 --> 00:13:26,320

i've done a bunch of regular parachute

329

00:13:31,269 --> 00:13:28,560

jumping with my own body and i'm curious

330

00:13:33,030 --> 00:13:31,279

to see what the opening shock uh it will

331

00:13:35,430 --> 00:13:33,040

be like between the two probably much

332

00:13:37,269 --> 00:13:35,440

more significant in this case and uh and

333

00:13:38,949 --> 00:13:37,279

then the separation of the compartments

334

00:13:41,350 --> 00:13:38,959

too that that's something we train for a

335

00:13:43,590 --> 00:13:41,360

lot uh on the ground but you really

336

00:13:45,189 --> 00:13:43,600

can't sim the the real environment so

337

00:13:47,189 --> 00:13:45,199

those those two

338

00:13:50,069 --> 00:13:47,199

things and obviously the impact at

339

00:13:51,990 --> 00:13:50,079

physical touchdown is is a huge moment

340

00:13:53,910 --> 00:13:52,000

too but there's a whole bunch of

341

00:13:55,910 --> 00:13:53,920

activities that will take place and i'm

342

00:13:57,509 --> 00:13:55,920

just trying to keep keeping up on my

343

00:13:59,910 --> 00:13:57,519

checklist

344

00:14:01,509 --> 00:13:59,920

chris it's uh peter king again and you

345

00:14:04,550 --> 00:14:01,519

mentioned those cargo days a couple of

346

00:14:05,990 --> 00:14:04,560

moments ago a new cargo craft is due for

347

00:14:07,990 --> 00:14:06,000

launch from wallops island up in

348

00:14:10,710 --> 00:14:08,000

virginia in a couple of weeks the

349

00:14:12,470 --> 00:14:10,720

orbital science is cygnus craft uh and

350

00:14:13,829 --> 00:14:12,480

that adds just a little bit more to the

351

00:14:15,990 --> 00:14:13,839

mix can you talk to me a little bit

352

00:14:21,670 --> 00:14:16,000

about the importance of having

353

00:14:25,910 --> 00:14:24,389

well as with with anything

354

00:14:28,870 --> 00:14:25,920

it's nice to have

355

00:14:30,870 --> 00:14:28,880

alternates and backup plans things can

356

00:14:32,629 --> 00:14:30,880

go wrong with any vehicle or and not

357

00:14:34,870 --> 00:14:32,639

even in the space program your car it's

358

00:14:37,590 --> 00:14:34,880

nice it's why we that's why you and your

359

00:14:39,269 --> 00:14:37,600

wife have probably have two cars um so

360

00:14:41,030 --> 00:14:39,279

you can back each other up and then

361

00:14:43,350 --> 00:14:41,040

that'll be the case here you know we'll

362

00:14:44,949 --> 00:14:43,360

have multiple ways to get cargo to space

363

00:14:47,269 --> 00:14:44,959

and uh as

364

00:14:49,509 --> 00:14:47,279

uh it will will be increased

365

00:14:51,829 --> 00:14:49,519

the crew to nine for example here in a

366

00:14:53,430 --> 00:14:51,839

few few months and those are the types

367

00:14:56,069 --> 00:14:53,440

of instances where we really got to be

368

00:14:57,990 --> 00:14:56,079

prepared for having additional water

369

00:14:59,829 --> 00:14:58,000

additional food

370

00:15:01,350 --> 00:14:59,839

the clothing to support all those people

371

00:15:03,590 --> 00:15:01,360

and then the experiments and everything

372

00:15:06,069 --> 00:15:03,600

else that goes on that goes is involved

373

00:15:07,910 --> 00:15:06,079

with keeping this place running

374

00:15:09,829 --> 00:15:07,920

like a well-oiled machine that it is now

375

00:15:11,509 --> 00:15:09,839

which i truly believe

376

00:15:13,670 --> 00:15:11,519

we're really firing on all cylinders in

377

00:15:15,590 --> 00:15:13,680

terms of getting the most out of this

378

00:15:17,990 --> 00:15:15,600

place and maintaining at the same time

379

00:15:19,590 --> 00:15:18,000

it's amazing what the the engineers and

380

00:15:21,990 --> 00:15:19,600

the ground controllers can do and we can

381

00:15:24,829 --> 00:15:22,000

help out as best we can from up here

382

00:15:28,389 --> 00:15:24,839

between russia isa

383

00:15:30,470 --> 00:15:28,399

jaxa uh spacex and now orbital sciences

384

00:15:32,710 --> 00:15:30,480

and i'm counting uh five delivery

385

00:15:35,269 --> 00:15:32,720

streams here i'm wondering has the

386

00:15:37,430 --> 00:15:35,279

program made up or more than made up for

387

00:15:41,590 --> 00:15:37,440

losing the delivery capability of the

388

00:15:46,790 --> 00:15:44,069

well maybe if you add up all that uh

389

00:15:48,389 --> 00:15:46,800

weight and volume you you you probably

390

00:15:50,550 --> 00:15:48,399

you're probably close to even i don't

391

00:15:52,310 --> 00:15:50,560

know the exact numbers but the the

392

00:15:54,790 --> 00:15:52,320

physical size of some of the components

393

00:15:57,189 --> 00:15:54,800

that the shuttle can bring up we we're

394

00:15:58,870 --> 00:15:57,199

not quite there yet so

395

00:16:01,910 --> 00:15:58,880

the shuttle was a really really cool

396

00:16:04,550 --> 00:16:01,920

machine and uh the capabilities that it

397

00:16:06,949 --> 00:16:04,560

had to allow us to build this thing uh

398

00:16:09,590 --> 00:16:06,959

and and have may be able to fly

399

00:16:11,269 --> 00:16:09,600

from the jlp come down make a corner

400

00:16:12,790 --> 00:16:11,279

another couple corners and zip all the

401
00:16:15,350 --> 00:16:12,800
way down to the russian segment and do

402
00:16:17,350 --> 00:16:15,360
that takes about a couple minutes to go

403
00:16:19,350 --> 00:16:17,360
that length and and the shuttle was

404
00:16:20,829 --> 00:16:19,360
certainly the workhorse to get us to to

405
00:16:23,269 --> 00:16:20,839
allow us to do

406
00:16:25,269 --> 00:16:23,279
that hey chris bill harwood one more

407
00:16:27,030 --> 00:16:25,279
time uh you got a question about iss

408
00:16:28,790 --> 00:16:27,040
extension boeing is doing a an

409
00:16:30,230 --> 00:16:28,800
engineering analysis to look at what

410
00:16:31,749 --> 00:16:30,240
might need to be done to get stationed

411
00:16:33,670 --> 00:16:31,759
to 2020 and then there's a lot of talk

412
00:16:36,150 --> 00:16:33,680
about possibly operating it all the way

413
00:16:38,069 --> 00:16:36,160

to 2028 the 30th anniversary of the

414

00:16:40,150 --> 00:16:38,079

first modules launch what's your sense

415

00:16:41,670 --> 00:16:40,160

of that i mean i realize you have a very

416

00:16:43,350 --> 00:16:41,680

narrow angle view up there but what's

417

00:16:45,189 --> 00:16:43,360

your sense of the station's ability to

418

00:16:46,710 --> 00:16:45,199

do that and what would you say to those

419

00:16:48,069 --> 00:16:46,720

who might argue that it would make more

420

00:16:54,310 --> 00:16:48,079

sense to spend that money on something

421

00:16:57,590 --> 00:16:56,150

yeah that's a that's a really good

422

00:16:59,670 --> 00:16:57,600

question and

423

00:17:02,629 --> 00:16:59,680

you know when you come down to it i

424

00:17:04,390 --> 00:17:02,639

think mechanically physically this place

425

00:17:06,230 --> 00:17:04,400

will have no problem getting to that

426

00:17:08,390 --> 00:17:06,240

that date um

427

00:17:09,829 --> 00:17:08,400

it's more a question for our lawmakers

428

00:17:12,150 --> 00:17:09,839

and and the big

429

00:17:14,549 --> 00:17:12,160

picture of how we see our space program

430

00:17:17,110 --> 00:17:14,559

going in terms of uh we're given a

431

00:17:18,870 --> 00:17:17,120

budget everywhere every agency every

432

00:17:20,549 --> 00:17:18,880

government organization has their budget

433

00:17:22,870 --> 00:17:20,559

and you got to make decisions based on

434

00:17:25,510 --> 00:17:22,880

that and

435

00:17:28,069 --> 00:17:25,520

at some point we have to figure out what

436

00:17:30,150 --> 00:17:28,079

we can do with our given uh allotment of

437

00:17:32,870 --> 00:17:30,160

money and and make the best for it

438

00:17:34,789 --> 00:17:32,880

whatever the goal is for it my personal

439

00:17:36,470 --> 00:17:34,799

opinion is this place is a fantastic

440

00:17:39,190 --> 00:17:36,480

laboratory and like i said it's really

441

00:17:41,590 --> 00:17:39,200

really ticking well right now and to uh

442

00:17:43,990 --> 00:17:41,600

to to we need to just keep on taking

443

00:17:44,830 --> 00:17:44,000

advantage of of of this place while we

444

00:17:49,510 --> 00:17:44,840

can

445

00:17:51,590 --> 00:17:49,520

make it to the date that you mentioned

446

00:17:53,190 --> 00:17:51,600

chris it's peter for at least one more

447

00:17:55,590 --> 00:17:53,200

here you know you had an incident last

448

00:17:58,070 --> 00:17:55,600

month where you spotted a ufo of sorts

449

00:18:01,750 --> 00:17:58,080

that turned out to be a piece of uh uh

450

00:18:03,350 --> 00:18:01,760

the old uh russian vesta now uh how

451

00:18:05,270 --> 00:18:03,360

cognizant we know you're pretty

452

00:18:07,110 --> 00:18:05,280

cognizant of what's out there in terms

453

00:18:08,950 --> 00:18:07,120

of earth-bound objects and you spend a

454

00:18:11,190 --> 00:18:08,960

lot of time looking at the earth i'm

455

00:18:13,510 --> 00:18:11,200

just wondering how much time you spend

456

00:18:14,549 --> 00:18:13,520

looking in the other direction for

457

00:18:17,430 --> 00:18:14,559

things that

458

00:18:22,310 --> 00:18:17,440

might not be from our planet that might

459

00:18:25,510 --> 00:18:23,190

well

460

00:18:27,750 --> 00:18:25,520

for some reason there's a big blue

461

00:18:30,070 --> 00:18:27,760

magnet for my eyes and as soon as i try

462

00:18:32,390 --> 00:18:30,080

to lift lift that gaze off the edge of

463

00:18:34,950 --> 00:18:32,400

the horizon my eyeballs get sucked right

464

00:18:36,950 --> 00:18:34,960

back to earth maybe the force of gravity

465

00:18:38,789 --> 00:18:36,960

uh affects my eyeballs from space

466

00:18:41,909 --> 00:18:38,799

because i can't stop looking at earth

467

00:18:43,669 --> 00:18:41,919

and uh the the farthest i i i every now

468

00:18:45,909 --> 00:18:43,679

and then i look off into the to the

469

00:18:48,070 --> 00:18:45,919

skies and the stars and and and gaze off

470

00:18:48,789 --> 00:18:48,080

in that direction but to be quite honest

471

00:18:51,190 --> 00:18:48,799

uh

472

00:18:53,430 --> 00:18:51,200

99 of my time is looking right down at

473

00:18:55,190 --> 00:18:53,440

the planet and uh when we saw that

474

00:18:57,270 --> 00:18:55,200

floating um

475

00:18:58,950 --> 00:18:57,280

antenna cover it was really interesting

476

00:19:00,630 --> 00:18:58,960

it was just kind of hovering right above

477

00:19:03,430 --> 00:19:00,640

the service module we knew it was a

478

00:19:05,350 --> 00:19:03,440

cover of some sort but it had no

479

00:19:07,270 --> 00:19:05,360

rate at all it was really cool to see it

480

00:19:10,470 --> 00:19:07,280

just kind of slowly drifted away took

481

00:19:12,789 --> 00:19:10,480

forever for it to separate from us

482

00:19:15,110 --> 00:19:12,799

chris a yes no quick question you've

483

00:19:17,909 --> 00:19:15,120

been up there for uh some five months

484

00:19:22,310 --> 00:19:17,919

plus would you like to go back and do it

485

00:19:27,270 --> 00:19:25,029

yeah i i would it's uh

486

00:19:29,430 --> 00:19:27,280

the answer is yes and i would talk to my

487

00:19:31,669 --> 00:19:29,440

family and my wife about that but if it

488

00:19:34,470 --> 00:19:31,679

was just me i would say absolutely yes

489

00:19:36,150 --> 00:19:34,480

i'd come back no problem i'd love to

490

00:19:37,510 --> 00:19:36,160

great well great speaking with you have

491

00:19:39,029 --> 00:19:37,520

a safe trip home and we will look

492

00:19:43,350 --> 00:19:39,039

forward to speaking with you when you

493

00:19:47,110 --> 00:19:44,870

thanks so much peter and bill nice

494

00:19:50,150 --> 00:19:47,120

talking to you talk to see you soon

495

00:19:55,270 --> 00:19:52,070

station this is houston acr that

496

00:20:02,630 --> 00:20:00,070

thank you wgme tv and cbs radio network