



1  
00:00:05,190 --> 00:00:01,750  
station this is houston are you ready

2  
00:00:09,990 --> 00:00:07,829  
we are ready for the event

3  
00:00:12,470 --> 00:00:10,000  
cbs news this is mission control houston

4  
00:00:14,470 --> 00:00:12,480  
please call station for a voice check

5  
00:00:18,310 --> 00:00:14,480  
station this is bill harwood cbs news

6  
00:00:21,349 --> 00:00:19,990  
hear you loud and clear bill we're doing

7  
00:00:22,950 --> 00:00:21,359  
great

8  
00:00:24,790 --> 00:00:22,960  
hey thanks a lot i really appreciate you

9  
00:00:26,470 --> 00:00:24,800  
taking the time to chat with us today

10  
00:00:27,750 --> 00:00:26,480  
and and scott i think i'm going to start

11  
00:00:29,429 --> 00:00:27,760  
with you i mean

12  
00:00:30,950 --> 00:00:29,439  
standard question for a guy up in space

13  
00:00:32,630 --> 00:00:30,960

for nearly a year how's it going i mean

14

00:00:37,510 --> 00:00:32,640

you're nearing the halfway point anyway

15

00:00:42,310 --> 00:00:39,830

yeah things are going great uh in about

16

00:00:44,389 --> 00:00:42,320

two weeks i'll come up on the uh

17

00:00:47,029 --> 00:00:44,399

the amount of time i was here uh on my

18

00:00:49,990 --> 00:00:47,039

flight last time which was 159 days i

19

00:00:51,110 --> 00:00:50,000

think i'm about 143 right now

20

00:00:52,229 --> 00:00:51,120

um

21

00:00:54,069 --> 00:00:52,239

you know i

22

00:00:55,910 --> 00:00:54,079

have a lot of energy i'm

23

00:00:57,270 --> 00:00:55,920

able to focus i

24

00:00:59,750 --> 00:00:57,280

think i have a pretty good attitude

25

00:01:01,990 --> 00:00:59,760

about it a year's a long time but i'm

26  
00:01:03,430 --> 00:01:02,000  
still uh you know looking forward to the

27  
00:01:05,030 --> 00:01:03,440  
the rest of this flight and we got a lot

28  
00:01:06,710 --> 00:01:05,040  
of great great things coming up that

29  
00:01:09,190 --> 00:01:06,720  
we're gonna do and it's uh you know it's

30  
00:01:10,630 --> 00:01:09,200  
been a great experience so far

31  
00:01:12,310 --> 00:01:10,640  
well you know as someone looking in from

32  
00:01:13,910 --> 00:01:12,320  
the outside you know in a couple of

33  
00:01:15,350 --> 00:01:13,920  
weeks gennady padalka your soyuz

34  
00:01:17,670 --> 00:01:15,360  
commander is going to be heading back to

35  
00:01:18,630 --> 00:01:17,680  
earth and you and mikhail kornienko of

36  
00:01:20,710 --> 00:01:18,640  
course are going to be staying to

37  
00:01:22,230 --> 00:01:20,720  
complete your mission and it strikes me

38  
00:01:24,070 --> 00:01:22,240

that'll be quite a moment i mean most

39

00:01:25,670 --> 00:01:24,080

astronauts would be thinking about

40

00:01:27,030 --> 00:01:25,680

coming home right now or packing or

41

00:01:27,990 --> 00:01:27,040

something like that but you and mikhail

42

00:01:29,510 --> 00:01:28,000

will be

43

00:01:30,710 --> 00:01:29,520

looking ahead to what amounts to an

44

00:01:33,510 --> 00:01:30,720

entirely

45

00:01:35,510 --> 00:01:33,520

new mission um i just wonder how you

46

00:01:39,670 --> 00:01:35,520

look at that how you process that seems

47

00:01:44,230 --> 00:01:41,749

well i think misha and i'll both be very

48

00:01:46,870 --> 00:01:44,240

upset with gennady when he leaves us and

49

00:01:48,310 --> 00:01:46,880

maybe a little bit envious but uh

50

00:01:50,469 --> 00:01:48,320

you know i think that's i'm just kind of

51  
00:01:52,550 --> 00:01:50,479  
i'm kidding there but uh you know

52  
00:01:54,550 --> 00:01:52,560  
gennady we'll definitely miss him he's a

53  
00:01:56,389 --> 00:01:54,560  
great crew member been has been a great

54  
00:01:59,109 --> 00:01:56,399  
commander um

55  
00:02:01,830 --> 00:01:59,119  
but i think it i think your perception

56  
00:02:02,709 --> 00:02:01,840  
and and what you're you're anticipating

57  
00:02:04,630 --> 00:02:02,719  
i guess

58  
00:02:06,870 --> 00:02:04,640  
uh you know how you know the length

59  
00:02:09,270 --> 00:02:06,880  
you're anticipating is what's uh really

60  
00:02:11,430 --> 00:02:09,280  
important and kind of you know maybe

61  
00:02:14,710 --> 00:02:11,440  
affects your fatigue level i think there

62  
00:02:16,390 --> 00:02:14,720  
is that kind of two-thirds uh

63  
00:02:17,670 --> 00:02:16,400

phenomena where

64

00:02:19,589 --> 00:02:17,680

you know when you get two-thirds of the

65

00:02:21,589 --> 00:02:19,599

way into something you can you can start

66

00:02:22,390 --> 00:02:21,599

seeing the end from where you are that's

67

00:02:24,630 --> 00:02:22,400

when

68

00:02:26,630 --> 00:02:24,640

maybe in a flight like this the fatigue

69

00:02:28,790 --> 00:02:26,640

might build up i was worried that maybe

70

00:02:30,550 --> 00:02:28,800

that was really just at the at the three

71

00:02:32,550 --> 00:02:30,560

or four month point that would happen

72

00:02:34,710 --> 00:02:32,560

but i think it really is you know it's

73

00:02:36,949 --> 00:02:34,720

based on what your expectations are and

74

00:02:39,670 --> 00:02:36,959

my expectation coming this was it was a

75

00:02:41,270 --> 00:02:39,680

year so uh you know i don't feel like i

76  
00:02:42,630 --> 00:02:41,280  
should be coming home right now which is

77  
00:02:44,550 --> 00:02:42,640  
a good thing

78  
00:02:45,910 --> 00:02:44,560  
yeah i think so you know you've been

79  
00:02:48,070 --> 00:02:45,920  
asked about this in almost every

80  
00:02:49,430 --> 00:02:48,080  
interview and i like your your strategy

81  
00:02:51,190 --> 00:02:49,440  
of i guess you count up instead of

82  
00:02:52,470 --> 00:02:51,200  
counting down

83  
00:02:53,750 --> 00:02:52,480  
you mentioned you still have a lot of

84  
00:02:55,430 --> 00:02:53,760  
energy and you're positive is there

85  
00:02:56,470 --> 00:02:55,440  
anything that is wearing on you a little

86  
00:03:02,790 --> 00:02:56,480  
bit

87  
00:03:06,070 --> 00:03:04,229  
you know i certainly miss a lot of

88  
00:03:07,110 --> 00:03:06,080

things on earth without question but i

89

00:03:08,550 --> 00:03:07,120

think you know that's the case with

90

00:03:09,509 --> 00:03:08,560

anyone who's been up here for a long

91

00:03:11,430 --> 00:03:09,519

time

92

00:03:12,630 --> 00:03:11,440

um

93

00:03:14,869 --> 00:03:12,640

you know

94

00:03:17,030 --> 00:03:14,879

actually i'll quote gennady again and he

95

00:03:19,589 --> 00:03:17,040

he he puts it very well he says when

96

00:03:20,949 --> 00:03:19,599

you're you're in space you dream of uh

97

00:03:22,390 --> 00:03:20,959

or when you're on earth you dream of

98

00:03:24,390 --> 00:03:22,400

being in space and when you're in space

99

00:03:25,910 --> 00:03:24,400

you're dreaming you you dream of being

100

00:03:28,149 --> 00:03:25,920

on earth

101  
00:03:29,830 --> 00:03:28,159  
so you know it depends on where you are

102  
00:03:30,789 --> 00:03:29,840  
you kind of wish you were in the other

103  
00:03:32,550 --> 00:03:30,799  
place

104  
00:03:34,949 --> 00:03:32,560  
you know i do sense a little little bit

105  
00:03:36,309 --> 00:03:34,959  
of that but uh you know i understand the

106  
00:03:37,830 --> 00:03:36,319  
importance of this mission we're doing a

107  
00:03:39,350 --> 00:03:37,840  
lot of great stuff up here a lot of

108  
00:03:41,270 --> 00:03:39,360  
science 400 different science

109  
00:03:44,229 --> 00:03:41,280  
experiments while i'm here over the

110  
00:03:45,990 --> 00:03:44,239  
years so uh you know i just recognize

111  
00:03:48,550 --> 00:03:46,000  
you know the importance of this how this

112  
00:03:50,630 --> 00:03:48,560  
is part of our future journey to mars

113  
00:03:51,990 --> 00:03:50,640

and uh you know i'm excited to be a part

114

00:03:53,270 --> 00:03:52,000

of it

115

00:03:55,030 --> 00:03:53,280

well let me ask you one more quick one

116

00:03:56,550 --> 00:03:55,040

about science before i get to chell here

117

00:03:57,990 --> 00:03:56,560

uh i don't want to ask you to review all

118

00:04:00,149 --> 00:03:58,000

the signs you guys are doing up there

119

00:04:02,070 --> 00:04:00,159

because we'd be here for days but i will

120

00:04:03,110 --> 00:04:02,080

ask you about the vision research i know

121

00:04:04,949 --> 00:04:03,120

you were doing some of that earlier

122

00:04:06,710 --> 00:04:04,959

today or at least so i was told i'm just

123

00:04:12,630 --> 00:04:06,720

curious is there anything going on with

124

00:04:17,110 --> 00:04:15,190

i actually think it's uh noticeably a

125

00:04:19,189 --> 00:04:17,120

little bit better um

126

00:04:21,189 --> 00:04:19,199

i would say you know

127

00:04:23,749 --> 00:04:21,199

i didn't quite look at the look at the

128

00:04:25,270 --> 00:04:23,759

data uh although i actually got my some

129

00:04:28,629 --> 00:04:25,280

of my results today just the you know

130

00:04:30,790 --> 00:04:28,639

the 2020 kind of data i was just curious

131

00:04:33,510 --> 00:04:30,800

but i think my uh i think it's a little

132

00:04:35,350 --> 00:04:33,520

better than it uh it was on the ground

133

00:04:36,710 --> 00:04:35,360

and a little bit uh you know better than

134

00:04:39,030 --> 00:04:36,720

it was earlier in the mission i think i

135

00:04:40,550 --> 00:04:39,040

did have a little bit of an effect early

136

00:04:44,710 --> 00:04:40,560

on but uh

137

00:04:45,749 --> 00:04:44,720

now um you know i i it doesn't seem to

138

00:04:47,350 --> 00:04:45,759

uh

139

00:04:49,030 --> 00:04:47,360

have as much of an impact i'm actually

140

00:04:51,430 --> 00:04:49,040

thinking about maybe on a spacewalk not

141

00:04:54,070 --> 00:04:51,440

wearing my glasses which uh you know i

142

00:04:55,670 --> 00:04:54,080

normally wear those for both reading and

143

00:04:58,070 --> 00:04:55,680

a little bit of a distance correction

144

00:04:59,350 --> 00:04:58,080

but the you know the the distance vision

145

00:05:02,070 --> 00:04:59,360

seems like it's gotten a little bit

146

00:05:03,510 --> 00:05:02,080

better so i might go without

147

00:05:05,830 --> 00:05:03,520

that's really interesting that's that's

148

00:05:07,430 --> 00:05:05,840

that's fascinating uh cell let me ask

149

00:05:09,029 --> 00:05:07,440

you a couple here i you know you spent

150

00:05:11,749 --> 00:05:09,039

years and years on the road to becoming

151

00:05:13,909 --> 00:05:11,759

an astronaut and now you're 25 days or

152

00:05:15,590 --> 00:05:13,919

so into your first mission can you give

153

00:05:16,710 --> 00:05:15,600

us a sense of your first impressions i

154

00:05:18,150 --> 00:05:16,720

mean what were you thinking that first

155

00:05:19,990 --> 00:05:18,160

day aboard station when you were finally

156

00:05:21,430 --> 00:05:20,000

alone at the end of the day

157

00:05:25,590 --> 00:05:21,440

kicking back and just knowing you were

158

00:05:29,189 --> 00:05:27,670

well you know it's uh

159

00:05:30,790 --> 00:05:29,199

this really kind of represents for a lot

160

00:05:32,790 --> 00:05:30,800

of people that come up here a dream come

161

00:05:34,390 --> 00:05:32,800

true and i mean this is just a

162

00:05:35,990 --> 00:05:34,400

incredible place to be an incredible

163

00:05:37,749 --> 00:05:36,000

place to live and work

164

00:05:40,310 --> 00:05:37,759

and so

165

00:05:41,990 --> 00:05:40,320

the rocket ride of course was amazing um

166

00:05:43,909 --> 00:05:42,000

but after docking and coming through

167

00:05:45,670 --> 00:05:43,919

that hatch coming into the space station

168

00:05:48,550 --> 00:05:45,680

that we see on television you know we

169

00:05:50,390 --> 00:05:48,560

train in a mock-up in uh in houston but

170

00:05:51,830 --> 00:05:50,400

to come into this actual thing to float

171

00:05:54,310 --> 00:05:51,840

into this was just

172

00:05:57,189 --> 00:05:54,320

exhilarating and almost overwhelming

173

00:05:59,189 --> 00:05:57,199

just the fact that you know that uh the

174

00:06:01,830 --> 00:05:59,199

the crew that i came up with um oleg and

175

00:06:03,510 --> 00:06:01,840

kimi and i were actually up here and uh

176  
00:06:05,350 --> 00:06:03,520  
you know the the time that we've spent

177  
00:06:07,189 --> 00:06:05,360  
up here these past 25 days have been

178  
00:06:09,430 --> 00:06:07,199  
incredible getting to look down at the

179  
00:06:11,270 --> 00:06:09,440  
earth getting to learn how to live and

180  
00:06:13,270 --> 00:06:11,280  
work in this environment

181  
00:06:16,550 --> 00:06:13,280  
how to keep things organized and not

182  
00:06:17,990 --> 00:06:16,560  
make a mess of myself when i'm eating

183  
00:06:23,749 --> 00:06:18,000  
what's been the biggest surprise for you

184  
00:06:28,390 --> 00:06:25,590  
you know i i think the biggest surprise

185  
00:06:30,230 --> 00:06:28,400  
for me is how quickly

186  
00:06:32,469 --> 00:06:30,240  
me personally but talking with kimmy as

187  
00:06:34,790 --> 00:06:32,479  
well how quickly we adapt to

188  
00:06:35,909 --> 00:06:34,800

this environment you know

189

00:06:37,830 --> 00:06:35,919

floating

190

00:06:40,070 --> 00:06:37,840

being in this uh this microgravity

191

00:06:42,390 --> 00:06:40,080

environment see it would seem so foreign

192

00:06:43,430 --> 00:06:42,400

and yet i think after really a couple of

193

00:06:46,950 --> 00:06:43,440

weeks it

194

00:06:48,710 --> 00:06:46,960

it feels almost natural and

195

00:06:51,270 --> 00:06:48,720

and it doesn't seem like it should be

196

00:06:53,749 --> 00:06:51,280

that way it should always kind of remain

197

00:06:55,189 --> 00:06:53,759

novel and and new but you know we i

198

00:06:57,270 --> 00:06:55,199

think your brain just kind of adapts to

199

00:06:59,110 --> 00:06:57,280

it accepts that hey this is the new um

200

00:07:01,990 --> 00:06:59,120

reality and uh

201  
00:07:03,430 --> 00:07:02,000  
and you you start to thrive

202  
00:07:04,950 --> 00:07:03,440  
what's the most fun for you i mean is

203  
00:07:09,830 --> 00:07:04,960  
that it is weightlessness it if you

204  
00:07:14,469 --> 00:07:11,830  
you know i think the the most fun thing

205  
00:07:15,830 --> 00:07:14,479  
for me aside from being able just to do

206  
00:07:18,790 --> 00:07:15,840  
something like that whenever you feel

207  
00:07:20,469 --> 00:07:18,800  
like it is uh being able to share this

208  
00:07:22,469 --> 00:07:20,479  
experience and so i try and keep in

209  
00:07:25,029 --> 00:07:22,479  
touch with friends and family through

210  
00:07:27,589 --> 00:07:25,039  
email and using the phone

211  
00:07:30,309 --> 00:07:27,599  
and uh and try to to share

212  
00:07:32,150 --> 00:07:30,319  
some of what i'm discovering uh on

213  
00:07:33,589 --> 00:07:32,160

twitter and through social media just to

214

00:07:35,589 --> 00:07:33,599

share you know the things that we get to

215

00:07:36,950 --> 00:07:35,599

see and do up here

216

00:07:39,270 --> 00:07:36,960

scott what about you you're more than

217

00:07:44,629 --> 00:07:39,280

300 days of space experience i guess at

218

00:07:49,029 --> 00:07:47,430

you know a lot of this ah

219

00:07:51,029 --> 00:07:49,039

there's one thing that i like about

220

00:07:52,710 --> 00:07:51,039

flying in space uh more than anything

221

00:07:54,790 --> 00:07:52,720

else and you know some people might

222

00:07:57,350 --> 00:07:54,800

think it's looking at the earth or

223

00:07:59,350 --> 00:07:57,360

or uh you know floating around and

224

00:08:01,430 --> 00:07:59,360

you know like chill put it in some ways

225

00:08:03,270 --> 00:08:01,440

you kind of get used to that what i like

226

00:08:05,670 --> 00:08:03,280

is the challenge of just doing the

227

00:08:07,990 --> 00:08:05,680

mission in general uh you know how

228

00:08:10,150 --> 00:08:08,000

what we do is so complicated you know we

229

00:08:11,909 --> 00:08:10,160

do it with a great group of people not

230

00:08:14,150 --> 00:08:11,919

only here on board with our with our

231

00:08:15,909 --> 00:08:14,160

crewmates but also all the folks on the

232

00:08:18,150 --> 00:08:15,919

ground the people in mission control the

233

00:08:19,430 --> 00:08:18,160

people that train us the engineers and

234

00:08:22,390 --> 00:08:19,440

it's the uh you know the sense of

235

00:08:23,909 --> 00:08:22,400

accomplishment i get from it it's uh

236

00:08:25,990 --> 00:08:23,919

you know someday i don't know when

237

00:08:27,990 --> 00:08:26,000

that'll be but uh you know when i'm done

238

00:08:29,830 --> 00:08:28,000

doing this um you know it's something

239

00:08:31,990 --> 00:08:29,840

i'm really going to miss that sense of

240

00:08:34,149 --> 00:08:32,000

satisfaction you get from working hard

241

00:08:36,870 --> 00:08:34,159

at something that's hard and then you

242

00:08:38,870 --> 00:08:36,880

know being successful at it

243

00:08:40,389 --> 00:08:38,880

well let me shift gears for uh briefly

244

00:08:41,509 --> 00:08:40,399

and ask you guys a couple operational

245

00:08:43,190 --> 00:08:41,519

questions you're going to have nine

246

00:08:44,710 --> 00:08:43,200

people on board early next month which

247

00:08:46,550 --> 00:08:44,720

hadn't happened in a while i mean

248

00:08:47,750 --> 00:08:46,560

visitors are rare i assume you're

249

00:08:49,670 --> 00:08:47,760

looking forward to that i wonder how

250

00:08:56,230 --> 00:08:49,680

crowded it is on the station and what

251

00:09:00,470 --> 00:08:58,230

well we are really looking forward to

252

00:09:03,030 --> 00:09:00,480

this uh this next crew that's coming up

253

00:09:05,030 --> 00:09:03,040

and is going to be spending um

254

00:09:07,030 --> 00:09:05,040

about 10 days up here of course uh

255

00:09:07,910 --> 00:09:07,040

gennady will take that soyuz home and

256

00:09:10,070 --> 00:09:07,920

and

257

00:09:11,670 --> 00:09:10,080

sergey will stay up here with us but

258

00:09:13,509 --> 00:09:11,680

having uh that group of people up here

259

00:09:16,310 --> 00:09:13,519

you know back when the shuttle was

260

00:09:18,550 --> 00:09:16,320

flying um we would often have many more

261

00:09:21,670 --> 00:09:18,560

than that uh up here the the space

262

00:09:23,829 --> 00:09:21,680

station is a is a large volume and it's

263

00:09:25,509 --> 00:09:23,839

and uh there's plenty of room uh for

264

00:09:27,430 --> 00:09:25,519

this for this extra crew for this crew

265

00:09:28,949 --> 00:09:27,440

of nine um that we're gonna have up here

266

00:09:30,550 --> 00:09:28,959

at one time

267

00:09:32,870 --> 00:09:30,560

um and it's i think it's gonna be a lot

268

00:09:35,190 --> 00:09:32,880

of fun it's fun to to to have folks up

269

00:09:37,269 --> 00:09:35,200

here and it's gonna be great to see andy

270

00:09:39,110 --> 00:09:37,279

mogensen come through the door and just

271

00:09:40,790 --> 00:09:39,120

see him experiencing

272

00:09:43,829 --> 00:09:40,800

what kimmy and i experienced for the

273

00:09:46,070 --> 00:09:43,839

first time just a month ago

274

00:09:47,509 --> 00:09:46,080

you know guys this has been a tumultuous

275

00:09:48,949 --> 00:09:47,519

several months in terms of station

276

00:09:51,430 --> 00:09:48,959

resupply with those back-to-back

277

00:09:53,350 --> 00:09:51,440

failures of a progress in april and then

278

00:09:55,190 --> 00:09:53,360

a spacex dragon cargo ship you guys have

279

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

had a successful progress flight since

280

00:09:57,829 --> 00:09:56,000

then

281

00:10:00,070 --> 00:09:57,839

but how important is tomorrow's japanese

282

00:10:03,990 --> 00:10:00,080

htv launch to build up the station's

283

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

it's pretty important you know uh we're

284

00:10:09,750 --> 00:10:08,160

we're in good shape right now

285

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

but uh

286

00:10:13,750 --> 00:10:11,600

you know if for some reason htv didn't

287

00:10:16,470 --> 00:10:13,760

get here we we get pretty low on certain

288

00:10:18,470 --> 00:10:16,480

consumables uh probably in late

289

00:10:20,790 --> 00:10:18,480

september early october

290

00:10:23,350 --> 00:10:20,800

time frame i'm sure we would figure out

291

00:10:25,829 --> 00:10:23,360

ways to bridge the gap on those uh those

292

00:10:27,750 --> 00:10:25,839

things and get us to a uh

293

00:10:29,509 --> 00:10:27,760

you know orbital or spacex which

294

00:10:32,069 --> 00:10:29,519

everyone makes it first or even you know

295

00:10:34,630 --> 00:10:32,079

get some supplies up here on a progress

296

00:10:36,310 --> 00:10:34,640

but if for some reason you know htv gets

297

00:10:38,870 --> 00:10:36,320

delayed for a significant amount of time

298

00:10:40,710 --> 00:10:38,880

or something else happens we do uh we do

299

00:10:41,910 --> 00:10:40,720

run into some issues at that point you

300

00:10:43,590 --> 00:10:41,920

know we've been pretty good about

301  
00:10:45,430 --> 00:10:43,600  
dealing with those things and and i'm

302  
00:10:47,910 --> 00:10:45,440  
sure we will you know we would figure

303  
00:10:50,550 --> 00:10:47,920  
out a way around it but it is a very

304  
00:10:52,150 --> 00:10:50,560  
important launch for us coming up

305  
00:10:53,990 --> 00:10:52,160  
well i misspoke obviously that launches

306  
00:10:55,509 --> 00:10:54,000  
wednesday not tuesday but but you know

307  
00:10:57,430 --> 00:10:55,519  
one of the questions i jotted down was

308  
00:10:59,190 --> 00:10:57,440  
could station support a six-man crew

309  
00:11:01,110 --> 00:10:59,200  
six-person crew i should say

310  
00:11:02,630 --> 00:11:01,120  
if you had another resupply failure this

311  
00:11:04,470 --> 00:11:02,640  
calendar year i mean no one expects that

312  
00:11:05,829 --> 00:11:04,480  
obviously but if it happened

313  
00:11:07,509 --> 00:11:05,839

do you think you could keep six people

314

00:11:08,470 --> 00:11:07,519

up there in in terms of the work around

315

00:11:09,509 --> 00:11:08,480

you're talking about do you think

316

00:11:14,630 --> 00:11:09,519

there'd be some chance you might have to

317

00:11:18,550 --> 00:11:16,150

you know um

318

00:11:20,389 --> 00:11:18,560

of course as as scott said this is this

319

00:11:22,630 --> 00:11:20,399

is an important launch this atv htv

320

00:11:24,310 --> 00:11:22,640

launch is important but um i'm confident

321

00:11:26,550 --> 00:11:24,320

the ground would uh

322

00:11:28,790 --> 00:11:26,560

find figure out ways to to make sure

323

00:11:30,389 --> 00:11:28,800

that we stayed supplied

324

00:11:34,630 --> 00:11:30,399

and uh

325

00:11:35,910 --> 00:11:34,640

capabilities that we need to to do the

326

00:11:36,949 --> 00:11:35,920

science and the work up here that we

327

00:11:38,870 --> 00:11:36,959

need to do

328

00:11:40,230 --> 00:11:38,880

um and if we didn't have enough supplies

329

00:11:43,110 --> 00:11:40,240

we'd have to deal with that deal with

330

00:11:44,630 --> 00:11:43,120

that situation when it came up

331

00:11:45,750 --> 00:11:44,640

well of course uh you know commercial

332

00:11:49,350 --> 00:11:45,760

resupply

333

00:11:51,750 --> 00:11:49,360

of station operations you know nasa is

334

00:11:53,910 --> 00:11:51,760

also developing commercial cruise ships

335

00:11:55,509 --> 00:11:53,920

uh to end the sole reliance on the soyuz

336

00:11:57,509 --> 00:11:55,519

but congress seems reluctant to fund

337

00:11:59,269 --> 00:11:57,519

that program you know it's almost like a

338

00:12:01,190 --> 00:11:59,279

catch 22. you know congress is saying

339

00:12:03,110 --> 00:12:01,200

soyuz contract extensions are evidence

340

00:12:05,350 --> 00:12:03,120

the agency doesn't have confidence in

341

00:12:06,949 --> 00:12:05,360

boeing and spacex that they'll get there

342

00:12:09,509 --> 00:12:06,959

nasa is saying well we have to extend

343

00:12:10,710 --> 00:12:09,519

soyuz because congress hadn't funded us

344

00:12:12,310 --> 00:12:10,720

what's going on there i mean how

345

00:12:13,750 --> 00:12:12,320

important is getting commercial crew up

346

00:12:17,190 --> 00:12:13,760

and running are you guys worried about

347

00:12:22,069 --> 00:12:18,870

you know i think you know everything you

348

00:12:24,870 --> 00:12:22,079

said is is pretty much true you know we

349

00:12:27,430 --> 00:12:24,880

we need funding to get a commercial crew

350

00:12:29,910 --> 00:12:27,440

capability and and you know we didn't

351

00:12:31,269 --> 00:12:29,920

get what we asked for this time and then

352

00:12:34,710 --> 00:12:31,279

we had to

353

00:12:37,269 --> 00:12:34,720

you know secure some more uh soyuz uh

354

00:12:39,269 --> 00:12:37,279

seats through extending that contract uh

355

00:12:41,750 --> 00:12:39,279

to have our crew members get up here so

356

00:12:43,829 --> 00:12:41,760

commercial crew is very important to us

357

00:12:45,350 --> 00:12:43,839

you know if uh you know i

358

00:12:47,030 --> 00:12:45,360

hope we'll get there with the current

359

00:12:49,670 --> 00:12:47,040

funding i don't think we'll get there on

360

00:12:51,670 --> 00:12:49,680

the current uh schedule obviously

361

00:12:55,110 --> 00:12:51,680

um or the schedule that we we would have

362

00:12:57,190 --> 00:12:55,120

liked but uh it is very important and um

363

00:12:59,750 --> 00:12:57,200

you know hopefully you know people will

364

00:13:02,310 --> 00:12:59,760

recognize this and uh and give nasa the

365

00:13:04,550 --> 00:13:02,320

support we need to get it done

366

00:13:06,870 --> 00:13:04,560

are you at all worried that uh

367

00:13:08,949 --> 00:13:06,880

this funding scenario might might force

368

00:13:15,590 --> 00:13:08,959

nasa to down select to just one provider

369

00:13:19,590 --> 00:13:17,350

you know i really hadn't considered that

370

00:13:21,110 --> 00:13:19,600

i you know i'm not involved in the

371

00:13:23,750 --> 00:13:21,120

commercial crew

372

00:13:25,430 --> 00:13:23,760

program right now at least and

373

00:13:26,949 --> 00:13:25,440

you know i had not given that much

374

00:13:28,470 --> 00:13:26,959

thought but uh

375

00:13:30,230 --> 00:13:28,480

you know now that you mention it yeah

376

00:13:32,310 --> 00:13:30,240

that is a uh you know obviously that

377

00:13:34,150 --> 00:13:32,320

would be a concern and that i think

378

00:13:35,350 --> 00:13:34,160

would maybe be a likely outcome that

379

00:13:36,710 --> 00:13:35,360

kind of makes sense that if you don't

380

00:13:39,110 --> 00:13:36,720

have enough money you might have to down

381

00:13:39,990 --> 00:13:39,120

select to one sooner than you would like

382

00:13:41,829 --> 00:13:40,000

and i

383

00:13:44,470 --> 00:13:41,839

would imagine that that would eat into

384

00:13:46,629 --> 00:13:44,480

some of your you know your margin for

385

00:13:48,550 --> 00:13:46,639

success you know if you have two uh

386

00:13:49,829 --> 00:13:48,560

vehicles being built and one of them

387

00:13:51,829 --> 00:13:49,839

doesn't work out

388

00:13:53,910 --> 00:13:51,839

um you know you still got the other one

389

00:13:56,150 --> 00:13:53,920

and down selecting earlier than we like

390

00:13:57,350 --> 00:13:56,160

would probably uh you know make that a

391

00:13:59,350 --> 00:13:57,360

uh

392

00:14:02,949 --> 00:13:59,360

i wouldn't say necessarily less safe but

393

00:14:04,790 --> 00:14:02,959

uh you know less a uh you know less of a

394

00:14:06,550 --> 00:14:04,800

likelihood that we'll get the vehicle

395

00:14:08,230 --> 00:14:06,560

that we want in the time that we would

396

00:14:09,750 --> 00:14:08,240

want if we have to make those decisions

397

00:14:11,590 --> 00:14:09,760

sooner

398

00:14:13,350 --> 00:14:11,600

well just one more along those lines uh

399

00:14:15,509 --> 00:14:13,360

you know one of the

400

00:14:17,189 --> 00:14:15,519

criticisms i guess from some politicians

401  
00:14:18,949 --> 00:14:17,199  
anyway is the nature of commercial

402  
00:14:21,350 --> 00:14:18,959  
contracts is they worry about safety

403  
00:14:23,350 --> 00:14:21,360  
lack of oversight at nasa and safety but

404  
00:14:25,189 --> 00:14:23,360  
you guys are the ones who are going to

405  
00:14:26,389 --> 00:14:25,199  
be trusting your lives on these things

406  
00:14:28,069 --> 00:14:26,399  
what are your thoughts about flight

407  
00:14:29,750 --> 00:14:28,079  
safety are you guys

408  
00:14:31,269 --> 00:14:29,760  
comfortable with the the commercial

409  
00:14:36,069 --> 00:14:31,279  
contracting

410  
00:14:38,710 --> 00:14:37,430  
you know that's a that's an interesting

411  
00:14:40,710 --> 00:14:38,720  
question so

412  
00:14:43,110 --> 00:14:40,720  
you know we call this a commercial crew

413  
00:14:44,710 --> 00:14:43,120

capability and

414

00:14:46,310 --> 00:14:44,720

you know nasa didn't build the space

415

00:14:48,069 --> 00:14:46,320

shuttle the space shuttle was built by

416

00:14:50,710 --> 00:14:48,079

rockwell with uh you know pretty

417

00:14:52,629 --> 00:14:50,720

significant nasa oversight but you know

418

00:14:53,750 --> 00:14:52,639

boeing built the space station i mean

419

00:14:56,629 --> 00:14:53,760

most of the

420

00:14:58,550 --> 00:14:56,639

the usos hardware up here is uh boeing a

421

00:15:00,550 --> 00:14:58,560

lot you know lockheed martin a bunch of

422

00:15:02,230 --> 00:15:00,560

different aerospace companies nasa

423

00:15:04,230 --> 00:15:02,240

generally doesn't cut metal on things

424

00:15:06,389 --> 00:15:04,240

and put things together we we manage the

425

00:15:07,910 --> 00:15:06,399

programs we design

426

00:15:09,990 --> 00:15:07,920

uh we test

427

00:15:11,509 --> 00:15:10,000

but as far as the actual building that

428

00:15:13,350 --> 00:15:11,519

is has been you know throughout the

429

00:15:15,750 --> 00:15:13,360

history i think of the space program

430

00:15:17,269 --> 00:15:15,760

less left to commercial companies now in

431

00:15:19,269 --> 00:15:17,279

this case we're doing something

432

00:15:21,670 --> 00:15:19,279

different in that we're not having as

433

00:15:23,509 --> 00:15:21,680

much oversight and we're not the manager

434

00:15:25,269 --> 00:15:23,519

of the program so

435

00:15:26,949 --> 00:15:25,279

um there

436

00:15:28,470 --> 00:15:26,959

you know it is it is conducted

437

00:15:30,230 --> 00:15:28,480

differently so

438

00:15:32,710 --> 00:15:30,240

uh you know we have to put different

439

00:15:34,790 --> 00:15:32,720

kinds of safeguards into things but

440

00:15:36,470 --> 00:15:34,800

you know like i said earlier i'm not

441

00:15:37,189 --> 00:15:36,480

that familiar with the details but i

442

00:15:38,790 --> 00:15:37,199

think

443

00:15:40,790 --> 00:15:38,800

you know safety is very important to

444

00:15:42,870 --> 00:15:40,800

nasa it's one of the our most important

445

00:15:45,189 --> 00:15:42,880

things it if not the most important

446

00:15:47,350 --> 00:15:45,199

thing and i think we are putting the

447

00:15:50,550 --> 00:15:47,360

appropriate safeguards to build a

448

00:15:52,550 --> 00:15:50,560

vehicle with a commercial contractor

449

00:15:56,230 --> 00:15:52,560

without the kind of typical or

450

00:15:58,150 --> 00:15:56,240

historical oversight that we've had

451

00:15:59,749 --> 00:15:58,160

well thanks let me uh i've got about

452

00:16:01,910 --> 00:15:59,759

four minutes left i want to shift gears

453

00:16:03,910 --> 00:16:01,920

once again and ask you a question about

454

00:16:05,350 --> 00:16:03,920

social media which is playing an

455

00:16:06,710 --> 00:16:05,360

increasing role it seems i mean i sit

456

00:16:09,350 --> 00:16:06,720

here on my computer every day and see

457

00:16:11,670 --> 00:16:09,360

pictures you guys uh tweet out which are

458

00:16:13,269 --> 00:16:11,680

pretty stunning i was i'm especially

459

00:16:14,949 --> 00:16:13,279

impressed by those night shots you guys

460

00:16:16,310 --> 00:16:14,959

take of the aurora and star fields

461

00:16:17,189 --> 00:16:16,320

against the lamb of the earth that sort

462

00:16:19,269 --> 00:16:17,199

of thing

463

00:16:20,310 --> 00:16:19,279

how do you do that how do you pull off

464

00:16:21,990 --> 00:16:20,320

those shots they're really quite

465

00:16:26,230 --> 00:16:22,000

spectacular

466

00:16:28,150 --> 00:16:26,240

well like i said previously you know

467

00:16:29,990 --> 00:16:28,160

that's one of the the joys up here is to

468

00:16:31,430 --> 00:16:30,000

get to share some of the views that we

469

00:16:33,430 --> 00:16:31,440

get to experience

470

00:16:35,590 --> 00:16:33,440

and so first of all we get great

471

00:16:37,509 --> 00:16:35,600

training on the ground and cameras and

472

00:16:39,590 --> 00:16:37,519

and using uh the video cameras and the

473

00:16:42,310 --> 00:16:39,600

other assets that we have up here we've

474

00:16:45,030 --> 00:16:42,320

got uh great uh equipment up here to to

475

00:16:46,790 --> 00:16:45,040

use and we've got great views i mean

476

00:16:48,310 --> 00:16:46,800

um

477

00:16:50,710 --> 00:16:48,320

we're above the atmosphere and so we

478

00:16:53,269 --> 00:16:50,720

have these clear views of the stars and

479

00:16:55,910 --> 00:16:53,279

uh and really spectacular views of of

480

00:16:58,310 --> 00:16:55,920

some of the phenomenon that uh that you

481

00:16:59,990 --> 00:16:58,320

don't quite get to behold on the ground

482

00:17:01,829 --> 00:17:00,000

the auroras you know you get if you're

483

00:17:03,509 --> 00:17:01,839

lucky and live in the southern

484

00:17:05,110 --> 00:17:03,519

hemisphere extremes

485

00:17:07,510 --> 00:17:05,120

you might get to see the aurora but to

486

00:17:10,949 --> 00:17:07,520

be up here and to get to see kind of the

487

00:17:12,949 --> 00:17:10,959

the oversight of it is pretty amazing

488

00:17:15,029 --> 00:17:12,959

scott how about you you sent down some

489

00:17:17,189 --> 00:17:15,039

truly spectacular sunset and sunrise

490

00:17:23,110 --> 00:17:17,199

pictures that uh a couple of those that

491

00:17:28,710 --> 00:17:25,590

yeah those are you know some of the the

492

00:17:30,789 --> 00:17:28,720

pictures we take that's how it looks

493

00:17:33,270 --> 00:17:30,799

with your eyeball like the the sunrise

494

00:17:35,190 --> 00:17:33,280

and the sunset others the camera

495

00:17:37,350 --> 00:17:35,200

obviously makes it look better you know

496

00:17:39,430 --> 00:17:37,360

like the aurora i mean aurora is

497

00:17:41,669 --> 00:17:39,440

spectacular with looking at it with your

498

00:17:43,430 --> 00:17:41,679

eyes but the camera does in the settings

499

00:17:45,270 --> 00:17:43,440

of the camera ken does make it look

500

00:17:47,510 --> 00:17:45,280

better same thing with some of the earth

501  
00:17:49,750 --> 00:17:47,520  
shots the earth's spectacular but you

502  
00:17:51,590 --> 00:17:49,760  
know the way you use the camera can can

503  
00:17:53,510 --> 00:17:51,600  
enhance that and uh you know i think

504  
00:17:55,590 --> 00:17:53,520  
people enjoy that people like you know

505  
00:17:56,549 --> 00:17:55,600  
beautiful pictures and uh you know if we

506  
00:17:58,070 --> 00:17:56,559  
could make them a little bit more

507  
00:18:00,150 --> 00:17:58,080  
beautiful with the equipment we have up

508  
00:18:02,950 --> 00:18:00,160  
here you know i think that's you know

509  
00:18:04,549 --> 00:18:02,960  
some artistic license i take and uh i'm

510  
00:18:06,630 --> 00:18:04,559  
glad you know people like yourself and

511  
00:18:08,070 --> 00:18:06,640  
other people enjoy it

512  
00:18:09,830 --> 00:18:08,080  
yeah no question about that well listen

513  
00:18:11,430 --> 00:18:09,840

i've got one last question or time for

514

00:18:13,270 --> 00:18:11,440

one last question and i'll go back to

515

00:18:15,750 --> 00:18:13,280

politics one last time i'm sure that's

516

00:18:16,950 --> 00:18:15,760

your favorite topic but anyway you know

517

00:18:18,470 --> 00:18:16,960

space hasn't really been on the

518

00:18:20,230 --> 00:18:18,480

political agenda so far with the

519

00:18:21,830 --> 00:18:20,240

presidential candidates uh donald trump

520

00:18:23,669 --> 00:18:21,840

said over the weekend that he thinks a

521

00:18:25,510 --> 00:18:23,679

flight to mars would be quote wonderful

522

00:18:27,270 --> 00:18:25,520

but quote i want to rebuild our

523

00:18:28,470 --> 00:18:27,280

infrastructure first which

524

00:18:30,230 --> 00:18:28,480

i don't know what to make of that but

525

00:18:31,909 --> 00:18:30,240

anything anything you guys would like to

526

00:18:33,190 --> 00:18:31,919

say to all the folks that are

527

00:18:35,669 --> 00:18:33,200

out there throwing their hat in the ring

528

00:18:37,029 --> 00:18:35,679

for president about space and uh

529

00:18:42,310 --> 00:18:37,039

and the need to

530

00:18:47,909 --> 00:18:45,830

well you know historically nasa's gotten

531

00:18:50,710 --> 00:18:47,919

not universally bipartisan support but

532

00:18:53,110 --> 00:18:50,720

we do we do get bipartisan support and

533

00:18:54,230 --> 00:18:53,120

uh you know we really appreciate that

534

00:18:56,630 --> 00:18:54,240

um

535

00:18:58,310 --> 00:18:56,640

you know we could always use more money

536

00:19:00,549 --> 00:18:58,320

uh you know we're gonna do the best with

537

00:19:03,029 --> 00:19:00,559

the money we're given and uh you know

538

00:19:05,669 --> 00:19:03,039

when you look at the overall uh budget

539

00:19:07,990 --> 00:19:05,679

of the uh you know the u.s budget

540

00:19:09,029 --> 00:19:08,000

nasa gets a very small part of that and

541

00:19:10,789 --> 00:19:09,039

uh

542

00:19:12,549 --> 00:19:10,799

and you know i think space is an

543

00:19:14,950 --> 00:19:12,559

investment in our future i think you

544

00:19:16,630 --> 00:19:14,960

know what we get from even you know

545

00:19:19,190 --> 00:19:16,640

building a space station

546

00:19:22,070 --> 00:19:19,200

uh the economic return the science

547

00:19:25,110 --> 00:19:22,080

return is very very important to uh you

548

00:19:26,549 --> 00:19:25,120

know to our nation to our economy so

549

00:19:28,390 --> 00:19:26,559

you know i would like to see all the

550

00:19:30,870 --> 00:19:28,400

candidates really support us and i think

551  
00:19:34,230 --> 00:19:30,880  
they you know they probably do uh in in

552  
00:19:35,750 --> 00:19:34,240  
some regard but also support a a a

553  
00:19:37,350 --> 00:19:35,760  
bigger budget like you were talking

554  
00:19:39,669 --> 00:19:37,360  
about with the uh you know the

555  
00:19:41,510 --> 00:19:39,679  
commercial crew and being able to you

556  
00:19:43,430 --> 00:19:41,520  
know build that vehicle on the on the

557  
00:19:46,230 --> 00:19:43,440  
time frame that we uh

558  
00:19:48,630 --> 00:19:46,240  
we we need to to uh you know to support

559  
00:19:50,630 --> 00:19:48,640  
our our space station missions and our

560  
00:19:51,990 --> 00:19:50,640  
you know our our future missions you

561  
00:19:54,230 --> 00:19:52,000  
know we need we need to be able to put

562  
00:19:56,950 --> 00:19:54,240  
that money into the the us economy into

563  
00:19:58,950 --> 00:19:56,960

u.s companies aerospace companies uh

564

00:20:01,350 --> 00:19:58,960

versus sending it overseas so i hope i

565

00:20:02,950 --> 00:20:01,360

hope they would see that

566

00:20:04,149 --> 00:20:02,960

guys thank you very much i got to wrap

567

00:20:05,990 --> 00:20:04,159

up i look forward to talking to you

568

00:20:12,710 --> 00:20:06,000

again down the road and

569

00:20:19,110 --> 00:20:14,549

station this is houston acr that

570

00:20:23,190 --> 00:20:21,510

thank you cbs news station we are now