



1  
00:00:08,950 --> 00:00:06,869  
we've gotten a lot of questions over the

2  
00:00:11,190 --> 00:00:08,960  
last week obviously in the wake of the

3  
00:00:12,470 --> 00:00:11,200  
loss of spacex seven uh first one that's

4  
00:00:14,549 --> 00:00:12,480  
been on everyone's mind how are the

5  
00:00:17,349 --> 00:00:14,559  
supply levels looking for you guys on

6  
00:00:19,750 --> 00:00:17,359  
board the international space station

7  
00:00:21,750 --> 00:00:19,760  
well they're they're fine right now um

8  
00:00:24,710 --> 00:00:21,760  
you know of course if we had any further

9  
00:00:26,230 --> 00:00:24,720  
uh delays in our resupplies you know

10  
00:00:28,310 --> 00:00:26,240  
particularly

11  
00:00:30,710 --> 00:00:28,320  
past uh you know mid-september or

12  
00:00:32,389 --> 00:00:30,720  
october then you know we'd have some

13  
00:00:33,990 --> 00:00:32,399

issues but uh

14

00:00:37,190 --> 00:00:34,000

you know with our current uh

15

00:00:38,869 --> 00:00:37,200

transportation plan with progress and uh

16

00:00:40,869 --> 00:00:38,879

htv in august

17

00:00:41,910 --> 00:00:40,879

you know assuming those come on time we

18

00:00:43,350 --> 00:00:41,920

should be in

19

00:00:45,190 --> 00:00:43,360

great shape

20

00:00:47,670 --> 00:00:45,200

and so is there anything special you or

21

00:00:50,069 --> 00:00:47,680

your crewmates are doing to conserve you

22

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

know supplies on board or is it just

23

00:00:53,350 --> 00:00:52,000

business as usual

24

00:00:55,590 --> 00:00:53,360

yeah it's an interesting question you

25

00:00:58,950 --> 00:00:55,600

know it's not like we can throw anything

26  
00:01:01,670 --> 00:00:58,960  
away here very easily so um you know

27  
00:01:03,110 --> 00:01:01,680  
certainly when progress leaves uh you

28  
00:01:05,189 --> 00:01:03,120  
know the one that's currently here you

29  
00:01:07,670 --> 00:01:05,199  
you get rid of items and we we throw

30  
00:01:09,190 --> 00:01:07,680  
things away on spacex so

31  
00:01:11,750 --> 00:01:09,200  
um and

32  
00:01:12,789 --> 00:01:11,760  
htv and the other vehicles so you know

33  
00:01:14,469 --> 00:01:12,799  
when we

34  
00:01:16,950 --> 00:01:14,479  
if we don't use something or use

35  
00:01:19,990 --> 00:01:16,960  
something to its fullest fullest extent

36  
00:01:22,550 --> 00:01:20,000  
it generally stays on board for a while

37  
00:01:23,670 --> 00:01:22,560  
and if you need to retrieve it you can

38  
00:01:26,230 --> 00:01:23,680

um

39

00:01:29,030 --> 00:01:26,240

but you know i'm still consciously you

40

00:01:31,109 --> 00:01:29,040

know because of the last two uh you know

41

00:01:32,789 --> 00:01:31,119

vehicles that we we did that didn't

42

00:01:33,749 --> 00:01:32,799

arrive i'm still consciously thinking

43

00:01:35,030 --> 00:01:33,759

about

44

00:01:36,870 --> 00:01:35,040

um

45

00:01:39,109 --> 00:01:36,880

you know maybe using all the food we

46

00:01:41,510 --> 00:01:39,119

have uh rather than scatter it

47

00:01:42,870 --> 00:01:41,520

throughout different places and trash on

48

00:01:45,030 --> 00:01:42,880

the space station if there's something

49

00:01:47,670 --> 00:01:45,040

we don't eat just so it would prevent us

50

00:01:50,469 --> 00:01:47,680

from having to go and retrieve it later

51  
00:01:53,590 --> 00:01:50,479  
if we had to or maybe accidentally

52  
00:01:55,670 --> 00:01:53,600  
disposing of something on a vehicle

53  
00:01:56,870 --> 00:01:55,680  
water i'm definitely thinking about that

54  
00:01:57,749 --> 00:01:56,880  
you know

55  
00:02:01,429 --> 00:01:57,759  
you can

56  
00:02:03,830 --> 00:02:01,439  
away bags of

57  
00:02:05,350 --> 00:02:03,840  
water or or food that might have some

58  
00:02:08,389 --> 00:02:05,360  
water in it

59  
00:02:10,150 --> 00:02:08,399  
or some like water samples versus trying

60  
00:02:11,750 --> 00:02:10,160  
to reclaim the water so that's something

61  
00:02:13,190 --> 00:02:11,760  
we're thinking about

62  
00:02:15,190 --> 00:02:13,200  
and then some of the uh

63  
00:02:16,869 --> 00:02:15,200

you know our waste hygiene compartment

64

00:02:18,470 --> 00:02:16,879

consumables that are sometimes a

65

00:02:21,190 --> 00:02:18,480

limiting factor we're trying to use

66

00:02:23,350 --> 00:02:21,200

those up as much as possible

67

00:02:24,790 --> 00:02:23,360

okay well after the spacex event you

68

00:02:26,630 --> 00:02:24,800

tweeted out you know just kind of

69

00:02:29,030 --> 00:02:26,640

reminding people space flight is hard

70

00:02:30,710 --> 00:02:29,040

but tomorrow is always a new day do you

71

00:02:32,150 --> 00:02:30,720

care to elaborate on that a little bit

72

00:02:34,070 --> 00:02:32,160

more

73

00:02:36,150 --> 00:02:34,080

you know all flying in space you know

74

00:02:37,830 --> 00:02:36,160

building these space station i think

75

00:02:39,589 --> 00:02:37,840

it's the hardest thing we've ever done

76

00:02:41,830 --> 00:02:39,599

and it uh

77

00:02:44,070 --> 00:02:41,840

you know continues to remind us of that

78

00:02:46,790 --> 00:02:44,080

it's a very challenging environment uh

79

00:02:48,869 --> 00:02:46,800

the vehicles operates operate on their

80

00:02:51,670 --> 00:02:48,879

you know the extremes of their

81

00:02:53,589 --> 00:02:51,680

performance uh capability

82

00:02:55,910 --> 00:02:53,599

but you know when something like this

83

00:02:58,550 --> 00:02:55,920

happens we just have to kind of you know

84

00:02:59,270 --> 00:02:58,560

lean forward look ahead keep keep moving

85

00:03:01,750 --> 00:02:59,280

on

86

00:03:03,990 --> 00:03:01,760

and we need to you know learn from our

87

00:03:05,430 --> 00:03:04,000

mistakes and i'm sure there's uh things

88

00:03:08,229 --> 00:03:05,440

to be learned from

89

00:03:10,309 --> 00:03:08,239

from this incident as there are in in

90

00:03:12,869 --> 00:03:10,319

any anything like this that happens but

91

00:03:15,110 --> 00:03:12,879

uh you know we we have to keep our focus

92

00:03:16,630 --> 00:03:15,120

on on what our goals are and and keep

93

00:03:18,390 --> 00:03:16,640

pressing forward with

94

00:03:19,589 --> 00:03:18,400

you know the the resources we have and

95

00:03:21,110 --> 00:03:19,599

that's what we're doing here on board

96

00:03:22,869 --> 00:03:21,120

the space station i know the folks on

97

00:03:24,949 --> 00:03:22,879

the ground are doing the doing the same

98

00:03:27,750 --> 00:03:24,959

thing as well

99

00:03:29,589 --> 00:03:27,760

okay well the next uh cargo ship already

100

00:03:31,430 --> 00:03:29,599

about to headed head your way the

101  
00:03:32,949 --> 00:03:31,440  
progress 60 launching a little bit later

102  
00:03:35,030 --> 00:03:32,959  
tonight what's the cruise you know level

103  
00:03:37,830 --> 00:03:35,040  
of anticipation to get this next cargo

104  
00:03:40,390 --> 00:03:37,840  
vehicle on orbit

105  
00:03:43,830 --> 00:03:40,400  
well uh you know third time's a charm i

106  
00:03:45,830 --> 00:03:43,840  
hope and uh you know we're we're

107  
00:03:46,949 --> 00:03:45,840  
hoping that that we get this one

108  
00:03:49,350 --> 00:03:46,959  
obviously

109  
00:03:51,830 --> 00:03:49,360  
you know like i said

110  
00:03:53,830 --> 00:03:51,840  
you know it's

111  
00:03:55,910 --> 00:03:53,840  
you know as as these next two if they

112  
00:03:58,550 --> 00:03:55,920  
get delayed or even move out beyond

113  
00:04:01,190 --> 00:03:58,560

september october it it will cause

114

00:04:03,750 --> 00:04:01,200

problems but you know we're we're as

115

00:04:05,190 --> 00:04:03,760

confident as we can be in in any rocket

116

00:04:06,949 --> 00:04:05,200

launch i mean there's always risk

117

00:04:08,949 --> 00:04:06,959

there's always chances of failure but

118

00:04:11,030 --> 00:04:08,959

you have to look at the positive and and

119

00:04:13,270 --> 00:04:11,040

we expect it's gonna

120

00:04:15,270 --> 00:04:13,280

arrive on time but certainly we're we're

121

00:04:16,390 --> 00:04:15,280

always prepared for the worst

122

00:04:18,150 --> 00:04:16,400

in the wake of everything how's the

123

00:04:21,030 --> 00:04:18,160

workload for you guys up there still

124

00:04:24,150 --> 00:04:21,040

plenty of research to do i assume

125

00:04:26,469 --> 00:04:24,160

it's a big space station a lot of uh

126

00:04:30,070 --> 00:04:26,479

you know a lot of capability a lot of

127

00:04:32,230 --> 00:04:30,080

science racks and science modules and

128

00:04:33,909 --> 00:04:32,240

and science on board so

129

00:04:36,710 --> 00:04:33,919

you know unfortunately we did lose some

130

00:04:38,469 --> 00:04:36,720

stuff on on spacex and i you know i

131

00:04:40,790 --> 00:04:38,479

really feel bad especially for the kids

132

00:04:42,550 --> 00:04:40,800

out there that may have had a science

133

00:04:45,030 --> 00:04:42,560

experiment on orbital and then one on

134

00:04:47,030 --> 00:04:45,040

spacex

135

00:04:48,790 --> 00:04:47,040

you know nasa had some hardware on both

136

00:04:51,030 --> 00:04:48,800

those vehicles that they you know

137

00:04:53,590 --> 00:04:51,040

rebuilt and tried to fly again

138

00:04:55,189 --> 00:04:53,600

so uh you know i understand how you know

139

00:04:56,790 --> 00:04:55,199

in those cases it can be somewhat

140

00:04:58,469 --> 00:04:56,800

disappointing but you know there are

141

00:05:00,629 --> 00:04:58,479

lessons learned there about

142

00:05:01,990 --> 00:05:00,639

you know keep keep moving forward and

143

00:05:04,469 --> 00:05:02,000

you know doing the right thing and

144

00:05:05,830 --> 00:05:04,479

working towards progress but here you

145

00:05:08,390 --> 00:05:05,840

know there's a lot to do we have a lot

146

00:05:10,150 --> 00:05:08,400

of a lot of capability a lot of science

147

00:05:11,510 --> 00:05:10,160

i mean more than i just i can do

148

00:05:12,870 --> 00:05:11,520

obviously and

149

00:05:14,230 --> 00:05:12,880

you know with the help of my russian

150

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

colleagues so we're looking forward to

151  
00:05:17,510 --> 00:05:16,320  
getting those new guys up on board here

152  
00:05:19,029 --> 00:05:17,520  
pretty soon

153  
00:05:20,310 --> 00:05:19,039  
well i mean that was going to be my next

154  
00:05:22,629 --> 00:05:20,320  
question everything looks like it's

155  
00:05:24,790 --> 00:05:22,639  
still on track for their launch later in

156  
00:05:27,270 --> 00:05:24,800  
july you guys really excited to get back

157  
00:05:28,550 --> 00:05:27,280  
up to the full six-person crew

158  
00:05:30,629 --> 00:05:28,560  
yeah um

159  
00:05:32,469 --> 00:05:30,639  
excited you know for a number of reasons

160  
00:05:34,070 --> 00:05:32,479  
not just the extra company although

161  
00:05:35,909 --> 00:05:34,080  
that's good but

162  
00:05:37,990 --> 00:05:35,919  
you know we need their help up here i'm

163  
00:05:39,990 --> 00:05:38,000

holding down the fort

164

00:05:41,350 --> 00:05:40,000

for now but it'd be great to have some

165

00:05:43,670 --> 00:05:41,360

extra hands

166

00:05:45,110 --> 00:05:43,680

also you know we like those guys and we

167

00:05:47,670 --> 00:05:45,120

want to see them

168

00:05:48,870 --> 00:05:47,680

and uh you know two two of those guys

169

00:05:50,550 --> 00:05:48,880

have never been to space before and

170

00:05:53,430 --> 00:05:50,560

that's exciting when you see

171

00:05:55,270 --> 00:05:53,440

someone in this incredible

172

00:05:56,790 --> 00:05:55,280

environment for the first time so i'm

173

00:05:58,070 --> 00:05:56,800

looking forward to that

174

00:06:00,950 --> 00:05:58,080

i'm sure you'll have some fun with the

175

00:06:02,230 --> 00:06:00,960

rookie space flyers um so shifting gears

176

00:06:04,070 --> 00:06:02,240

a little bit you're about a quarter of

177

00:06:05,749 --> 00:06:04,080

the way now into the one year mission

178

00:06:07,430 --> 00:06:05,759

how you feeling you know is it any

179

00:06:09,350 --> 00:06:07,440

different from you would have been at a

180

00:06:10,469 --> 00:06:09,360

halfway point on a normal mission right

181

00:06:16,309 --> 00:06:10,479

now

182

00:06:18,070 --> 00:06:16,319

day point um where i when i was here

183

00:06:19,830 --> 00:06:18,080

last time pretty well because that was

184

00:06:22,870 --> 00:06:19,840

about the same time my uh my

185

00:06:25,350 --> 00:06:22,880

sister-in-law gabby was was shot

186

00:06:26,390 --> 00:06:25,360

in uh in tucson

187

00:06:27,350 --> 00:06:26,400

and uh

188

00:06:29,909 --> 00:06:27,360

so

189

00:06:34,230 --> 00:06:32,469

besides that that happening i mean even

190

00:06:35,189 --> 00:06:34,240

before that you know at a certain level

191

00:06:36,710 --> 00:06:35,199

of

192

00:06:38,230 --> 00:06:36,720

i don't know if you call it fatigue but

193

00:06:41,350 --> 00:06:38,240

just the feeling that i've been here a

194

00:06:43,510 --> 00:06:41,360

long time and and at 100 on at the 100

195

00:06:45,270 --> 00:06:43,520

day point when you have a 159 day

196

00:06:46,870 --> 00:06:45,280

mission you think about

197

00:06:48,870 --> 00:06:46,880

hey i'm going to be coming home pretty

198

00:06:51,670 --> 00:06:48,880

soon it's less than two months

199

00:06:53,510 --> 00:06:51,680

well now since it's so far away i don't

200

00:06:55,670 --> 00:06:53,520

actually feel the same way i feel like i

201  
00:06:57,990 --> 00:06:55,680  
have a lot more

202  
00:06:59,830 --> 00:06:58,000  
a lot more energy a lot more

203  
00:07:02,710 --> 00:06:59,840  
you know ability to focus attention to

204  
00:07:04,710 --> 00:07:02,720  
detail a lot more enthusiasm about the

205  
00:07:06,550 --> 00:07:04,720  
uh you know upcoming

206  
00:07:08,870 --> 00:07:06,560  
200 plus days

207  
00:07:11,189 --> 00:07:08,880  
so it was something i i thought about a

208  
00:07:13,270 --> 00:07:11,199  
lot and i wondered at the beginning

209  
00:07:15,749 --> 00:07:13,280  
before i flew on this flight wondering

210  
00:07:18,390 --> 00:07:15,759  
if it was really like a uh

211  
00:07:20,469 --> 00:07:18,400  
you know a last thirds kind of phenomena

212  
00:07:22,710 --> 00:07:20,479  
or was it more you know 100 days in

213  
00:07:24,390 --> 00:07:22,720

space is kind of enough but i think it

214

00:07:25,830 --> 00:07:24,400

is i think it's when you're you know

215

00:07:26,790 --> 00:07:25,840

when you're two-thirds of the way into

216

00:07:28,550 --> 00:07:26,800

something

217

00:07:30,870 --> 00:07:28,560

is when you kind of start thinking about

218

00:07:32,710 --> 00:07:30,880

hey i'm coming home soon versus a

219

00:07:34,710 --> 00:07:32,720

hundred days in

220

00:07:36,550 --> 00:07:34,720

you know comparing this this experience

221

00:07:38,469 --> 00:07:36,560

the last time

222

00:07:40,309 --> 00:07:38,479

all right well one final question for

223

00:07:41,589 --> 00:07:40,319

you fourth of july you know coming up

224

00:07:43,110 --> 00:07:41,599

this weekend

225

00:07:45,830 --> 00:07:43,120

how does it feel to represent you know

226

00:07:49,510 --> 00:07:45,840

nasa and the usa in space during the

227

00:07:53,110 --> 00:07:51,589

well it's uh you know it's always

228

00:07:56,869 --> 00:07:53,120

feels great and

229

00:08:00,390 --> 00:07:56,879

a privilege to represent our country

230

00:08:02,550 --> 00:08:00,400

nasa um you know my case is a retired

231

00:08:05,029 --> 00:08:02,560

member of the military

232

00:08:06,869 --> 00:08:05,039

uh but on holidays you know you even

233

00:08:09,749 --> 00:08:06,879

feel more special

234

00:08:13,749 --> 00:08:09,759

and then it feels more of a privilege

235

00:08:15,350 --> 00:08:13,759

you have a more of a patriotic feeling

236

00:08:17,270 --> 00:08:15,360

and i'd like to wish everyone a you know

237

00:08:19,430 --> 00:08:17,280

happy independence day it's a you know

238

00:08:21,189 --> 00:08:19,440

great holiday great tradition

239

00:08:22,710 --> 00:08:21,199

and hopefully the timing will be right

240

00:08:24,710 --> 00:08:22,720

and i'll be able to look down and see

241

00:08:27,830 --> 00:08:24,720

little specks of light over the united

242

00:08:29,510 --> 00:08:27,840

states on the evening of the 4th of july