



Man in blue shirt: NASA

Man in green shirt: STS-135/ISS  
Orion

1  
00:00:06,470 --> 00:00:04,150  
station on space to

2  
00:00:08,390 --> 00:00:06,480  
space to ground two atlantis crew on the

3  
00:00:12,470 --> 00:00:08,400  
iss this is houston are you ready for

4  
00:00:12,480 --> 00:00:15,350  
we're ready

5  
00:00:19,750 --> 00:00:17,430  
cbs radio this is mission control

6  
00:00:22,070 --> 00:00:19,760  
houston please call the atlantis crew on

7  
00:00:24,630 --> 00:00:22,080  
iss for a voice check hey good morning

8  
00:00:28,950 --> 00:00:24,640  
atlantis crew this is cbs news radio at

9  
00:00:32,150 --> 00:00:30,070  
uh we have you loud and clear at the

10  
00:00:34,470 --> 00:00:32,160  
kennedy space center well good morning

11  
00:00:36,470 --> 00:00:34,480  
uh commander chris ferguson pilot marine

12  
00:00:38,869 --> 00:00:36,480  
troll doug hurley it's peter king and

13  
00:00:40,950 --> 00:00:38,879

bill harwood at ksc and bill's got our

14

00:00:42,389 --> 00:00:40,960

first question well it's just an obvious

15

00:00:44,389 --> 00:00:42,399

question right off the bat guys first of

16

00:00:46,310 --> 00:00:44,399

all great to see you again uh yeah i

17

00:00:47,910 --> 00:00:46,320

know you got gpc4 back up and running

18

00:00:49,750 --> 00:00:47,920

can you give us some sense of how that's

19

00:00:51,350 --> 00:00:49,760

doing and your confidence that that

20

00:00:52,950 --> 00:00:51,360

guy's gonna hang in there you're

21

00:00:55,510 --> 00:00:52,960

confident that that guy's gonna hang in

22

00:00:56,630 --> 00:00:55,520

there uh well it actually failed last

23

00:00:58,389 --> 00:00:56,640

night i think it was about an hour and a

24

00:01:00,069 --> 00:00:58,399

half after we fell asleep

25

00:01:00,790 --> 00:01:00,079

the alarm went off

26

00:01:05,350 --> 00:01:00,800

and

27

00:01:07,109 --> 00:01:05,360

had that uh had that bright eyed sort of

28

00:01:09,030 --> 00:01:07,119

bushy-tailed look and

29

00:01:10,230 --> 00:01:09,040

raced up to the flight deck i'll tell

30

00:01:11,590 --> 00:01:10,240

you the folks on the ground did a nice

31

00:01:13,109 --> 00:01:11,600

job helping us get through that we

32

00:01:14,950 --> 00:01:13,119

brought up another gpc to help us out

33

00:01:17,270 --> 00:01:14,960

with the functions that 4 was produced

34

00:01:18,950 --> 00:01:17,280

that was performing and

35

00:01:20,789 --> 00:01:18,960

we uh we got it hopefully back up and

36

00:01:22,550 --> 00:01:20,799

running this morning so it's hanging in

37

00:01:24,630 --> 00:01:22,560

there and we're we're confident it's

38

00:01:27,030 --> 00:01:24,640

going to work for entry for us commander

39

00:01:28,950 --> 00:01:27,040

nasa audio has asked us to ask you to

40

00:01:31,109 --> 00:01:28,960

turn off the bike every time you finish

41

00:01:32,390 --> 00:01:31,119

your answer

42

00:01:34,469 --> 00:01:32,400

this year

43

00:01:36,149 --> 00:01:34,479

thanks and uh it's still hardwood again

44

00:01:37,749 --> 00:01:36,159

and i want to shift gears i mean that's

45

00:01:39,270 --> 00:01:37,759

the nuts and bolts of the computer thing

46

00:01:40,870 --> 00:01:39,280

this morning but you know i was driving

47

00:01:43,109 --> 00:01:40,880

in this morning and

48

00:01:44,630 --> 00:01:43,119

i wonder if you guys if the reality of

49

00:01:46,149 --> 00:01:44,640

this is set in you've been asked these

50

00:01:48,069 --> 00:01:46,159

questions a million times about this

51  
00:01:49,670 --> 00:01:48,079  
being the last shuttle flight the end of

52  
00:01:51,190 --> 00:01:49,680  
an era and all of that you've been so

53  
00:01:53,270 --> 00:01:51,200  
focused on the mission i doubt you spent

54  
00:01:54,789 --> 00:01:53,280  
a lot of time thinking about that but

55  
00:01:56,550 --> 00:01:54,799  
you're the tip of the spirit i think a

56  
00:01:58,069 --> 00:01:56,560  
lot of folks will be curious i mean is

57  
00:02:02,230 --> 00:01:58,079  
is this something that sunk in yet that

58  
00:02:04,630 --> 00:02:03,590  
well you know i'll tell you bill we

59  
00:02:07,030 --> 00:02:04,640  
talked a little bit about this

60  
00:02:08,630 --> 00:02:07,040  
pre-mission but uh as we uh you know of

61  
00:02:10,070 --> 00:02:08,640  
course we got a busy timeline and

62  
00:02:11,830 --> 00:02:10,080  
there's not a whole lot of time to think

63  
00:02:13,510 --> 00:02:11,840

about it but we realize as we go from

64

00:02:14,710 --> 00:02:13,520

module to module here i mean literally

65

00:02:16,949 --> 00:02:14,720

we've reached the point where we're

66

00:02:18,470 --> 00:02:16,959

saying okay it's the last train out of

67

00:02:20,710 --> 00:02:18,480

town is there anything else that needs

68

00:02:22,470 --> 00:02:20,720

to go back uh to uh to the kennedy space

69

00:02:24,710 --> 00:02:22,480

center back to houston before the uh

70

00:02:26,470 --> 00:02:24,720

before the shuttle program wraps up here

71

00:02:28,390 --> 00:02:26,480

and when you say things like that i

72

00:02:30,229 --> 00:02:28,400

think the reality of it really begins to

73

00:02:32,550 --> 00:02:30,239

sink in you know this is really the last

74

00:02:34,150 --> 00:02:32,560

train out of town and uh you know of

75

00:02:36,229 --> 00:02:34,160

course we're going to stay focused and

76

00:02:37,589 --> 00:02:36,239

very busy up until we undock but you

77

00:02:38,949 --> 00:02:37,599

know it's beginning to sink in i

78

00:02:40,550 --> 00:02:38,959

mentioned that to you earlier that i

79

00:02:41,910 --> 00:02:40,560

don't think the full

80

00:02:44,390 --> 00:02:41,920

magnitude of everything is really going

81

00:02:46,150 --> 00:02:44,400

to hit us until after the wheel stop

82

00:02:47,589 --> 00:02:46,160

this is peter and following up on that

83

00:02:49,190 --> 00:02:47,599

question you know everybody has asked

84

00:02:50,949 --> 00:02:49,200

every question under the sun about what

85

00:02:52,949 --> 00:02:50,959

it feels like to be flying this last

86

00:02:55,110 --> 00:02:52,959

mission i'm just wondering from both of

87

00:03:00,790 --> 00:02:55,120

you does this feel any different than

88

00:03:06,229 --> 00:03:02,710

yeah that's a that's a good question

89

00:03:08,869 --> 00:03:06,239

peter i you know for me

90

00:03:12,869 --> 00:03:08,879

my last mission my only mission was sds

91

00:03:13,990 --> 00:03:12,879

127 2ja we it was a 16-day mission it

92

00:03:15,830 --> 00:03:14,000

was uh

93

00:03:18,309 --> 00:03:15,840

five evas

94

00:03:21,350 --> 00:03:18,319

and i honestly think this one has been

95

00:03:23,589 --> 00:03:21,360

busier which is uh which which surprises

96

00:03:25,270 --> 00:03:23,599

me a little bit uh and and i you know

97

00:03:27,430 --> 00:03:25,280

the obvious reason is we have three less

98

00:03:30,949 --> 00:03:27,440

sets of hands to to help out and i think

99

00:03:36,070 --> 00:03:30,959

that for me is the biggest surprise

100

00:03:39,910 --> 00:03:38,229

well i'll tell you uh after uh after

101

00:03:41,509 --> 00:03:39,920

getting back here it is it's a very

102

00:03:43,670 --> 00:03:41,519

familiar environment this is the third

103

00:03:45,750 --> 00:03:43,680

time i've been here um

104

00:03:47,030 --> 00:03:45,760

and i'd have to say i agree with doug to

105

00:03:48,789 --> 00:03:47,040

a certain extent this has been

106

00:03:50,309 --> 00:03:48,799

incredibly busy

107

00:03:52,710 --> 00:03:50,319

when there's a free moment usually you

108

00:03:54,710 --> 00:03:52,720

can run over the mplm or our cargo

109

00:03:57,110 --> 00:03:54,720

module and you can always find something

110

00:03:59,190 --> 00:03:57,120

to do and even when there's nothing to

111

00:04:01,350 --> 00:03:59,200

do in the mplm we can go back to the

112

00:04:02,710 --> 00:04:01,360

closet which is the permanent logistics

113

00:04:04,229 --> 00:04:02,720

module that they have here and you can

114

00:04:06,309 --> 00:04:04,239

always help them reorganize here so

115

00:04:07,990 --> 00:04:06,319

there there is an awful lot of work left

116

00:04:09,350 --> 00:04:08,000

to do here and the days you know it's

117

00:04:10,869 --> 00:04:09,360

been hard to believe it's been almost a

118

00:04:14,229 --> 00:04:10,879

week since we launched and the days are

119

00:04:16,069 --> 00:04:14,239

just clicking by so uh we're uh we got a

120

00:04:17,349 --> 00:04:16,079

lot to do in the next few days but we're

121

00:04:18,870 --> 00:04:17,359

looking forward to undocking and

122

00:04:21,349 --> 00:04:18,880

especially that great view of the fly

123

00:04:23,590 --> 00:04:21,359

around and i guess my question uh to

124

00:04:26,230 --> 00:04:23,600

follow that up with is is staying so

125

00:04:28,070 --> 00:04:26,240

busy keeping you from from thinking

126  
00:04:29,670 --> 00:04:28,080  
about you know what this all means at

127  
00:04:33,350 --> 00:04:29,680  
this point you're just concentrated on

128  
00:04:37,030 --> 00:04:34,870  
yeah that's actually a really good

129  
00:04:39,430 --> 00:04:37,040  
summary you know we're kind of in the on

130  
00:04:41,749 --> 00:04:39,440  
orbit mode right here now uh in that

131  
00:04:43,590 --> 00:04:41,759  
light just a few days ago we were asked

132  
00:04:45,749 --> 00:04:43,600  
to downlink a few

133  
00:04:47,350 --> 00:04:45,759  
videos that i think were embargoed on

134  
00:04:49,030 --> 00:04:47,360  
the ground which means they'll be for

135  
00:04:50,310 --> 00:04:49,040  
future playback but they're all to

136  
00:04:51,909 --> 00:04:50,320  
commemorate

137  
00:04:53,350 --> 00:04:51,919  
the shuttle program

138  
00:04:54,710 --> 00:04:53,360

of course there's a lot of folks that

139

00:04:56,390 --> 00:04:54,720

we've worked with throughout the years

140

00:04:57,749 --> 00:04:56,400

both at the kennedy space center and at

141

00:05:00,390 --> 00:04:57,759

the johnson space center who will

142

00:05:01,830 --> 00:05:00,400

shortly be losing their jobs and to to

143

00:05:03,990 --> 00:05:01,840

thank them for everything they've done

144

00:05:05,510 --> 00:05:04,000

so we have those sobering events uh

145

00:05:08,230 --> 00:05:05,520

peppered throughout our timeline that

146

00:05:11,430 --> 00:05:08,240

help us uh you know remind us that this

147

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

is really uh this is just about it

148

00:05:15,110 --> 00:05:13,280

commanders bill harwood again you just

149

00:05:16,550 --> 00:05:15,120

brought a point up to me the uh i just

150

00:05:17,909 --> 00:05:16,560

got back from the johnson space center

151  
00:05:19,670 --> 00:05:17,919  
where i've been for several days and i

152  
00:05:21,350 --> 00:05:19,680  
have to tell you the mood there is

153  
00:05:22,870 --> 00:05:21,360  
sober's probably putting it

154  
00:05:24,790 --> 00:05:22,880  
optimistically i mean it's pretty

155  
00:05:26,790 --> 00:05:24,800  
depressed i think there's a feeling of

156  
00:05:28,390 --> 00:05:26,800  
abandonment perhaps it's not so much the

157  
00:05:29,749 --> 00:05:28,400  
end of shuttle but the gap before

158  
00:05:31,029 --> 00:05:29,759  
there's going to be anything else what

159  
00:05:32,469 --> 00:05:31,039  
do you what do you have to say to those

160  
00:05:34,070 --> 00:05:32,479  
guys all the folks who've trained you

161  
00:05:35,990 --> 00:05:34,080  
have put these missions together over

162  
00:05:40,950 --> 00:05:36,000  
the years and made it happen

163  
00:05:45,189 --> 00:05:43,110

you know uh bill we were talking to a

164

00:05:46,870 --> 00:05:45,199

few folks

165

00:05:48,629 --> 00:05:46,880

with some of our commercial providers

166

00:05:50,550 --> 00:05:48,639

here at the kennedy space center just a

167

00:05:52,390 --> 00:05:50,560

couple weeks before launch and i was

168

00:05:55,029 --> 00:05:52,400

actually very encouraged to hear that

169

00:05:57,350 --> 00:05:55,039

there's some hardware for uh for uh the

170

00:05:58,870 --> 00:05:57,360

orion mpcv that's due for delivery at

171

00:06:00,550 --> 00:05:58,880

the kennedy space center soon you know

172

00:06:03,830 --> 00:06:00,560

of course we have a commercial folks at

173

00:06:06,309 --> 00:06:03,840

uh spacex uh and the other corporations

174

00:06:08,230 --> 00:06:06,319

working on plans as well so i think that

175

00:06:10,469 --> 00:06:08,240

that that sobering attitude that you may

176

00:06:12,070 --> 00:06:10,479

sense is a really just a prelude you

177

00:06:13,430 --> 00:06:12,080

know everybody realizes the shuttle

178

00:06:15,749 --> 00:06:13,440

program everything they've worked on for

179

00:06:17,350 --> 00:06:15,759

the last 30 years is coming to a close

180

00:06:19,189 --> 00:06:17,360

but you know by and large we have

181

00:06:21,430 --> 00:06:19,199

something right behind it and i think

182

00:06:23,430 --> 00:06:21,440

once we can finally get over the fact

183

00:06:25,990 --> 00:06:23,440

that the shuttle is gone and and it's

184

00:06:27,510 --> 00:06:26,000

its day has come i believe we'll begin

185

00:06:29,270 --> 00:06:27,520

to pick up the pieces and everyone will

186

00:06:30,870 --> 00:06:29,280

see that we really do have some vibrant

187

00:06:33,110 --> 00:06:30,880

programs out there that we're working on

188

00:06:34,550 --> 00:06:33,120

so i know it's tough but you know it's a

189

00:06:36,070 --> 00:06:34,560

it's kind of one of those wake type

190

00:06:37,909 --> 00:06:36,080

things you have to come to terms with

191

00:06:39,430 --> 00:06:37,919

the end before you can really put on a

192

00:06:42,230 --> 00:06:39,440

new beginning

193

00:06:44,230 --> 00:06:42,240

commander ferguson and pilot doug hurley

194

00:06:45,990 --> 00:06:44,240

thank you so much for the answers this

195

00:06:48,469 --> 00:06:46,000

morning safe rest of the flight we look

196

00:06:52,710 --> 00:06:48,479

forward to your safe return here to ksc

197

00:06:58,469 --> 00:06:55,670

thanks so much for spending time with us

198

00:07:00,629 --> 00:06:58,479

atlantis iss this is houston acr that

199

00:07:02,950 --> 00:07:00,639

concludes the cbs radio portion of the

200

00:07:15,189 --> 00:07:02,960

event please stand by for a voice check

201  
00:07:21,909 --> 00:07:16,790  
crew this is philadelphia can you hear

202  
00:07:24,870 --> 00:07:23,510  
hey philadelphia we have you loud and

203  
00:07:28,710 --> 00:07:24,880  
clear aboard the international space

204  
00:07:34,390 --> 00:07:29,510  
well

205  
00:07:41,270 --> 00:07:36,629  
that's great to see you kyw how's all my

206  
00:07:51,110 --> 00:07:43,350  
terrific you'll be speaking with yuki

207  
00:07:51,120 --> 00:07:58,790  
and bye we're 10 seconds away

208  
00:08:03,029 --> 00:08:00,390  
well the space shuttle atlantis is the

209  
00:08:04,629 --> 00:08:03,039  
final shuttle mission and it's in orbit

210  
00:08:05,909 --> 00:08:04,639  
with the international space station

211  
00:08:07,589 --> 00:08:05,919  
right now and as you know shuttle

212  
00:08:09,990 --> 00:08:07,599  
commander chris ferguson graduated from

213  
00:08:11,909 --> 00:08:10,000

archbishop ryan high school and drexel

214

00:08:14,070 --> 00:08:11,919

university chris and the shuttle's pilot

215

00:08:16,150 --> 00:08:14,080

doug hurley join us live now from the

216

00:08:17,749 --> 00:08:16,160

international space station to talk

217

00:08:22,230 --> 00:08:17,759

about the mission and how it's going

218

00:08:25,670 --> 00:08:23,909

hey good morning to all our folks in

219

00:08:27,110 --> 00:08:25,680

philadelphia how you doing

220

00:08:29,830 --> 00:08:27,120

there you go

221

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

not bad doing fantastic please assess

222

00:08:33,829 --> 00:08:32,000

the mission thus far how it's going

223

00:08:37,589 --> 00:08:33,839

everything going to plan so great to see

224

00:08:41,509 --> 00:08:39,350

oh absolutely we've had we've had a

225

00:08:43,110 --> 00:08:41,519

great time up here uh from the the last

226

00:08:44,790 --> 00:08:43,120

that the ground control folks told us

227

00:08:47,110 --> 00:08:44,800

we're well ahead in what we call

228

00:08:48,949 --> 00:08:47,120

transfer the very act of getting all of

229

00:08:50,710 --> 00:08:48,959

our cargo the ten thousand pounds of

230

00:08:52,310 --> 00:08:50,720

food and supplies that we brought up to

231

00:08:54,230 --> 00:08:52,320

sustain the international space station

232

00:08:56,150 --> 00:08:54,240

we're well ahead in in transferring that

233

00:08:57,990 --> 00:08:56,160

over so uh i'm happy we've had some

234

00:08:59,910 --> 00:08:58,000

minor glitches with our general purpose

235

00:09:01,509 --> 00:08:59,920

computers but we're recovering from them

236

00:09:03,030 --> 00:09:01,519

as well so yeah you know if i had to

237

00:09:05,829 --> 00:09:03,040

summarize i think the mission is going

238

00:09:09,509 --> 00:09:07,829

well chris uh yuki and i were joking

239

00:09:11,269 --> 00:09:09,519

that we read that you guys got a chance

240

00:09:12,710 --> 00:09:11,279

to sleep in for about an hour and we

241

00:09:13,829 --> 00:09:12,720

were joking that we could not sleep in

242

00:09:18,949 --> 00:09:13,839

if we knew that something was wrong with

243

00:09:22,230 --> 00:09:20,389

well the first thing they had us do

244

00:09:24,070 --> 00:09:22,240

after we woke up was uh get to work

245

00:09:25,750 --> 00:09:24,080

trying to fix it so uh

246

00:09:27,670 --> 00:09:25,760

i'll tell you we got a great support

247

00:09:29,670 --> 00:09:27,680

team on in houston on ground control

248

00:09:31,269 --> 00:09:29,680

there and they did a great job we got

249

00:09:33,030 --> 00:09:31,279

the computer up and running and we think

250

00:09:36,310 --> 00:09:33,040

it's gonna work good for uh re-entry in

251

00:09:38,550 --> 00:09:36,320

about a week or so

252

00:09:41,430 --> 00:09:38,560

fantastic now doug i understand that you

253

00:09:43,430 --> 00:09:41,440

are from new york how does a new york

254

00:09:45,269 --> 00:09:43,440

area fan get along with a philadelphia

255

00:09:50,870 --> 00:09:45,279

area sports fan up there in tight

256

00:09:54,630 --> 00:09:53,110

uh it's going pretty well we've we've

257

00:09:56,790 --> 00:09:54,640

had a couple discussions about the

258

00:09:59,110 --> 00:09:56,800

yankees and the phillies but uh nothing

259

00:10:02,310 --> 00:09:59,120

nothing that resulted in any fisticuffs

260

00:10:06,230 --> 00:10:03,990

all right let's keep it that way and

261

00:10:08,949 --> 00:10:06,240

gentlemen when the shuttle lands and

262

00:10:11,990 --> 00:10:08,959

this thing is all over what's the next

263

00:10:13,350 --> 00:10:12,000

step in in space exploration and what do

264

00:10:18,790 --> 00:10:13,360

you think and what do you want your

265

00:10:22,630 --> 00:10:21,110

well there's a lot going on uh you know

266

00:10:24,389 --> 00:10:22,640

we're going to continue to man the

267

00:10:27,030 --> 00:10:24,399

international space station at least for

268

00:10:28,630 --> 00:10:27,040

the next decade so we've got folks

269

00:10:30,790 --> 00:10:28,640

training and working there so there's an

270

00:10:32,790 --> 00:10:30,800

opportunity to fly again in space doing

271

00:10:33,590 --> 00:10:32,800

that we've also

272

00:10:36,470 --> 00:10:33,600

got

273

00:10:38,150 --> 00:10:36,480

our orion mpcv

274

00:10:40,870 --> 00:10:38,160

crew vehicle that we're working on at

275

00:10:42,470 --> 00:10:40,880

nasa we've got commercial providers

276

00:10:44,389 --> 00:10:42,480

eventually working on

277

00:10:46,790 --> 00:10:44,399

commercial transportation to and from

278

00:10:48,310 --> 00:10:46,800

the international space station and uh

279

00:10:49,990 --> 00:10:48,320

you know i think chris and i just you

280

00:10:51,670 --> 00:10:50,000

know we would like to contribute

281

00:10:53,350 --> 00:10:51,680

wherever we can we love the space

282

00:10:55,269 --> 00:10:53,360

business uh you know we've flown our

283

00:10:59,269 --> 00:10:55,279

entire lives and uh we'd like to

284

00:11:02,630 --> 00:11:00,949

beautiful chris we just have to sort of

285

00:11:04,470 --> 00:11:02,640

double check something yuki has some

286

00:11:07,030 --> 00:11:04,480

people talking to him on facebook and

287

00:11:09,110 --> 00:11:07,040

they mentioned that you may have talked

288

00:11:14,550 --> 00:11:09,120

at the youtube concert yesterday did you

289

00:11:20,230 --> 00:11:18,069

i actually i'm a huge youtube fan and uh

290

00:11:22,550 --> 00:11:20,240

i don't know if we talked at the u2

291

00:11:24,710 --> 00:11:22,560

concert but we did have uh there has

292

00:11:26,630 --> 00:11:24,720

been youtube's been a huge

293

00:11:28,150 --> 00:11:26,640

uh proponent of the space program and i

294

00:11:29,829 --> 00:11:28,160

know that they've been involved with

295

00:11:32,389 --> 00:11:29,839

uplinks and downlinks many times in the

296

00:11:36,230 --> 00:11:34,710

that's fantastic and before we go

297

00:11:37,990 --> 00:11:36,240

i know of course we've all said that

298

00:11:39,750 --> 00:11:38,000

you've uh graduated archbishop ryan high

299

00:11:41,030 --> 00:11:39,760

school drexel university and when it

300

00:11:43,829 --> 00:11:41,040

comes to those two schools and your

301  
00:11:45,509 --> 00:11:43,839  
family how did that moment those moments

302  
00:11:50,629 --> 00:11:45,519  
back then prepare you for what's going

303  
00:11:53,750 --> 00:11:52,230  
i got a wonderful education there in

304  
00:11:55,990 --> 00:11:53,760  
philadelphia that's where i developed a

305  
00:11:57,910 --> 00:11:56,000  
love of science and math drexel

306  
00:11:59,910 --> 00:11:57,920  
university and actually i have a little

307  
00:12:01,990 --> 00:11:59,920  
piece of the fells planetarium from the

308  
00:12:04,310 --> 00:12:02,000  
franklin institute on board so all

309  
00:12:06,069 --> 00:12:04,320  
places i love to spend time when i was a

310  
00:12:08,550 --> 00:12:06,079  
child and developed like i said a love

311  
00:12:10,470 --> 00:12:08,560  
of flying and a love of math and science

312  
00:12:14,310 --> 00:12:10,480  
so it's a great city great city for

313  
00:12:17,829 --> 00:12:16,310

oh gentlemen we thank you so much for

314

00:12:19,430 --> 00:12:17,839

your efforts and your contributions to

315

00:12:21,350 --> 00:12:19,440

the space program to you and the team

316

00:12:23,590 --> 00:12:21,360

and the rest of everyone up there

317

00:12:25,350 --> 00:12:23,600

continued success and keep those yankees

318

00:12:26,710 --> 00:12:25,360

philly's conversations to a minimum

319

00:12:28,550 --> 00:12:26,720

we'll see you when you get back down on

320

00:12:31,430 --> 00:12:28,560

terra farmer take care godspeed take

321

00:12:31,440 --> 00:12:34,949

have a great day

322

00:12:40,230 --> 00:12:37,829

atlantis iss this is houston acr that

323

00:12:42,150 --> 00:12:40,240

concludes the kyw tv portion of the

324

00:12:44,150 --> 00:12:42,160

event please stand by for a voice check

325

00:12:46,389 --> 00:12:44,160

from the associated press

326

00:12:51,030 --> 00:12:46,399

atlanta station this is the associated

327

00:12:54,069 --> 00:12:52,389

we have you loud and clear aboard the

328

00:12:56,069 --> 00:12:54,079

international space station

329

00:12:57,590 --> 00:12:56,079

well good morning uh

330

00:13:00,069 --> 00:12:57,600

talking to you from the kennedy space

331

00:13:02,470 --> 00:13:00,079

center today my first question for you

332

00:13:04,550 --> 00:13:02,480

commander i'm wondering how unsettling

333

00:13:05,590 --> 00:13:04,560

was it to be awakened by the alarms last

334

00:13:07,670 --> 00:13:05,600

night and

335

00:13:09,430 --> 00:13:07,680

how worried are you about the general

336

00:13:14,150 --> 00:13:09,440

state of the computers considering this

337

00:13:17,430 --> 00:13:16,069

yeah it's kind of interesting uh you

338

00:13:19,829 --> 00:13:17,440

know of course the alarm went off about

339

00:13:20,949 --> 00:13:19,839

an hour or so after we fell asleep and i

340

00:13:23,030 --> 00:13:20,959

think that that's when you're in your

341

00:13:24,870 --> 00:13:23,040

deepest state of sleep so we all woke up

342

00:13:26,629 --> 00:13:24,880

and looked at one another and you know

343

00:13:28,069 --> 00:13:26,639

we're wondering really what was going on

344

00:13:29,990 --> 00:13:28,079

but we were up in the flight deck in no

345

00:13:32,310 --> 00:13:30,000

time and uh i'll tell you the ground

346

00:13:33,910 --> 00:13:32,320

support team on the ground there uh you

347

00:13:35,910 --> 00:13:33,920

know the orbit three shift he usually

348

00:13:38,069 --> 00:13:35,920

works while we're sleeping uh they were

349

00:13:39,670 --> 00:13:38,079

all over the problem uh and uh they had

350

00:13:41,269 --> 00:13:39,680

us put some corrective action and we

351

00:13:43,829 --> 00:13:41,279

were back in bed in probably about a

352

00:13:46,230 --> 00:13:43,839

half hour or so and then this morning uh

353

00:13:48,230 --> 00:13:46,240

we uh we again working with uh with our

354

00:13:49,829 --> 00:13:48,240

ground control folks in houston uh got

355

00:13:51,590 --> 00:13:49,839

that general purpose computer up and

356

00:13:53,269 --> 00:13:51,600

running so we're very optimistic it's

357

00:13:55,110 --> 00:13:53,279

going to work for entry of course we had

358

00:13:56,470 --> 00:13:55,120

an earlier problem with one of our gpcs

359

00:13:58,230 --> 00:13:56,480

as well so

360

00:13:59,670 --> 00:13:58,240

we're doing well here and i'm confident

361

00:14:01,750 --> 00:13:59,680

everything's going to look good when we

362

00:14:03,829 --> 00:14:01,760

undock in a couple days

363

00:14:05,750 --> 00:14:03,839

well thank you um i know the two crews

364

00:14:07,590 --> 00:14:05,760

gathered last night aboard atlantis for

365

00:14:09,350 --> 00:14:07,600

a special dinner was that the

366

00:14:11,990 --> 00:14:09,360

all-american meal with the chicken and

367

00:14:13,509 --> 00:14:12,000

beef brisket and was there any chat

368

00:14:14,870 --> 00:14:13,519

during the dinner about this being the

369

00:14:16,389 --> 00:14:14,880

last shuttle flight i'm just wondering

370

00:14:24,069 --> 00:14:16,399

if that sort of put a damper on the

371

00:14:28,870 --> 00:14:26,470

actually uh you know first of all it was

372

00:14:31,430 --> 00:14:28,880

a fantastic meal we shared it with our

373

00:14:34,230 --> 00:14:31,440

uh our american uh japanese and russian

374

00:14:35,590 --> 00:14:34,240

counterparts uh on the mid-deck and uh

375

00:14:37,189 --> 00:14:35,600

you know we're we're friends from a long

376

00:14:39,670 --> 00:14:37,199

time back so we shared you know more

377

00:14:41,670 --> 00:14:39,680

memories of of our early years in the

378

00:14:43,030 --> 00:14:41,680

astronaut office we it's one of the few

379

00:14:45,269 --> 00:14:43,040

opportunities we get to talk to our

380

00:14:47,269 --> 00:14:45,279

russian partners and and uh share

381

00:14:49,430 --> 00:14:47,279

experiences that we've had in common

382

00:14:51,509 --> 00:14:49,440

with spacewalks and uh some of the

383

00:14:53,670 --> 00:14:51,519

operations that we've done together um

384

00:14:55,910 --> 00:14:53,680

we did reminisce a little bit about

385

00:14:57,350 --> 00:14:55,920

the upcoming end of the the the shuttle

386

00:14:58,949 --> 00:14:57,360

program as a matter of fact i do recall

387

00:15:00,550 --> 00:14:58,959

saying hey you know this is the last

388

00:15:02,629 --> 00:15:00,560

joint meal that we're ever going to have

389

00:15:04,550 --> 00:15:02,639

aboard a space shuttle and

390

00:15:06,949 --> 00:15:04,560

you know we all it's it's a little bit

391

00:15:09,110 --> 00:15:06,959

of a a sobering somber moment but at the

392

00:15:11,509 --> 00:15:09,120

same time we're extremely fortunate to

393

00:15:13,590 --> 00:15:11,519

have had 37 missions i think to the

394

00:15:15,750 --> 00:15:13,600

international space station now so we're

395

00:15:17,670 --> 00:15:15,760

very lucky to have done this

396

00:15:22,389 --> 00:15:17,680

and was that the all-american meal you

397

00:15:26,150 --> 00:15:24,470

absolutely uh i think it included like

398

00:15:28,150 --> 00:15:26,160

you said chicken beef brisket there was

399

00:15:29,749 --> 00:15:28,160

a lot of corn on the menu we had some

400

00:15:32,150 --> 00:15:29,759

great appetizers and then we had good

401

00:15:35,030 --> 00:15:32,160

old-fashioned apple pie for dessert

402

00:15:36,710 --> 00:15:35,040

well that sounds pretty good for space

403

00:15:39,590 --> 00:15:36,720

another question for either of you or

404

00:15:41,910 --> 00:15:39,600

both yesterday nasa announced that steve

405

00:15:43,910 --> 00:15:41,920

lindsay's last day at work is today and

406

00:15:45,990 --> 00:15:43,920

i'm wondering do you anticipate a lot

407

00:15:48,230 --> 00:15:46,000

more astronaut departures in the coming

408

00:15:50,230 --> 00:15:48,240

weeks following your mission and what

409

00:15:57,670 --> 00:15:50,240

about you two are you both going to be

410

00:16:01,350 --> 00:15:59,749

yeah it's a good question um i i think

411

00:16:03,189 --> 00:16:01,360

it's really based on

412

00:16:05,110 --> 00:16:03,199

each individual within the office and

413

00:16:07,189 --> 00:16:05,120

you know what their family's

414

00:16:09,430 --> 00:16:07,199

desires are where they want to live and

415

00:16:11,590 --> 00:16:09,440

what they want to do uh you know after

416

00:16:12,949 --> 00:16:11,600

they've decided they've uh done what

417

00:16:15,269 --> 00:16:12,959

they wanted to do in the astronaut

418

00:16:17,269 --> 00:16:15,279

office you know we we have a typical

419

00:16:19,189 --> 00:16:17,279

attrition of you know six to eight

420

00:16:20,949 --> 00:16:19,199

people a year and and i think we're

421

00:16:23,430 --> 00:16:20,959

pretty much following that

422

00:16:25,430 --> 00:16:23,440

uh you know for me personally you know

423

00:16:27,189 --> 00:16:25,440

and we talked about this before i'd i'd

424

00:16:28,790 --> 00:16:27,199

love to stay around and help out you

425

00:16:30,389 --> 00:16:28,800

know we we still have

426

00:16:32,550 --> 00:16:30,399

plenty of flying opportunities aboard

427

00:16:34,069 --> 00:16:32,560

the international space station and then

428

00:16:36,230 --> 00:16:34,079

you know we've got a chance to develop a

429

00:16:38,230 --> 00:16:36,240

new vehicle that's going to go beyond

430

00:16:39,910 --> 00:16:38,240

low earth orbit so i mean

431

00:16:42,230 --> 00:16:39,920

from my standpoint it's it's a pretty

432

00:16:44,230 --> 00:16:42,240

exciting time to be here and uh and

433

00:16:46,069 --> 00:16:44,240

continue to contribute and use the

434

00:16:49,269 --> 00:16:46,079

experience that we've gained on these

435

00:16:51,350 --> 00:16:49,279

shuttle flights to press forward

436

00:16:57,350 --> 00:16:51,360

commander you haven't changed your plans

437

00:17:01,829 --> 00:17:00,230

no i have uh i have no plans uh the last

438

00:17:03,590 --> 00:17:01,839

nine months have been extraordinarily

439

00:17:04,390 --> 00:17:03,600

focused on this mission and this mission

440

00:17:06,470 --> 00:17:04,400

alone

441

00:17:07,829 --> 00:17:06,480

um you know with regard to the attrition

442

00:17:10,230 --> 00:17:07,839

um

443

00:17:11,829 --> 00:17:10,240

a lot of our office probably about a

444

00:17:14,549 --> 00:17:11,839

third of our office

445

00:17:16,309 --> 00:17:14,559

was former military pilots and uh you

446

00:17:18,230 --> 00:17:16,319

know pilots like to do what pilots like

447

00:17:20,870 --> 00:17:18,240

to do and that's fly airplanes and there

448

00:17:23,270 --> 00:17:20,880

will be a gap here of uh several years

449

00:17:25,029 --> 00:17:23,280

where uh you know a pilot is gonna want

450

00:17:26,549 --> 00:17:25,039

to do what a pilot wants to do and i can

451  
00:17:29,029 --> 00:17:26,559  
certainly understand everybody has their

452  
00:17:30,630 --> 00:17:29,039  
own personal preferences um and there'll

453  
00:17:31,990 --> 00:17:30,640  
be a little bit of lull in piloting

454  
00:17:34,150 --> 00:17:32,000  
activity until we get our next

455  
00:17:35,350 --> 00:17:34,160  
spacecraft so you know in the interim i

456  
00:17:37,750 --> 00:17:35,360  
can understand why people make the

457  
00:17:39,430 --> 00:17:37,760  
choices that they do

458  
00:17:41,270 --> 00:17:39,440  
i'm wondering uh

459  
00:17:43,510 --> 00:17:41,280  
i know there are several more days left

460  
00:17:46,870 --> 00:17:43,520  
in your flight but so far if you each

461  
00:17:48,310 --> 00:17:46,880  
had to choose what is the one highlight

462  
00:17:49,909 --> 00:17:48,320  
of your mission the memory that you're

463  
00:17:59,669 --> 00:17:49,919

going to take back with you and keep

464

00:18:05,029 --> 00:18:03,190

well i i actually have two um the first

465

00:18:07,750 --> 00:18:05,039

would be the uh

466

00:18:10,390 --> 00:18:07,760

the eva we did the other day where uh

467

00:18:12,789 --> 00:18:10,400

sandy and i were uh running the space

468

00:18:15,830 --> 00:18:12,799

station robotic arm from the cupola and

469

00:18:18,070 --> 00:18:15,840

to have uh both mike and ron fly right

470

00:18:19,029 --> 00:18:18,080

out in front of us you know within

471

00:18:21,590 --> 00:18:19,039

feet

472

00:18:23,110 --> 00:18:21,600

uh you know it just it really seemed

473

00:18:24,390 --> 00:18:23,120

like it was out of a science fiction

474

00:18:25,990 --> 00:18:24,400

movie you know you could see the

475

00:18:28,950 --> 00:18:26,000

expression on their faces as they're

476  
00:18:30,310 --> 00:18:28,960  
riding the arm wherever they were going

477  
00:18:31,750 --> 00:18:30,320  
and it was just

478  
00:18:33,510 --> 00:18:31,760  
you know it's kind of seared into my

479  
00:18:34,950 --> 00:18:33,520  
memory and then the other one actually

480  
00:18:36,950 --> 00:18:34,960  
happened last night

481  
00:18:38,870 --> 00:18:36,960  
we were flying uh

482  
00:18:41,029 --> 00:18:38,880  
west of australia kind of at the bottom

483  
00:18:43,909 --> 00:18:41,039  
of our orbit and

484  
00:18:45,110 --> 00:18:43,919  
saw an incredible uh southern lights uh

485  
00:18:46,390 --> 00:18:45,120  
aurora

486  
00:18:48,870 --> 00:18:46,400  
and you know it was the best one i've

487  
00:18:51,750 --> 00:18:48,880  
seen uh in in my two space flights and

488  
00:18:56,789 --> 00:18:51,760

it was just unbelievable the view we had

489

00:19:01,750 --> 00:18:59,350

i'll uh i'll share my personal uh

490

00:19:03,990 --> 00:19:01,760

uh moment and it was the same one i had

491

00:19:05,750 --> 00:19:04,000

on my last flight um you know as you uh

492

00:19:08,070 --> 00:19:05,760

as we rendezvous with the space station

493

00:19:10,950 --> 00:19:08,080

you approach it from below and you pause

494

00:19:12,870 --> 00:19:10,960

there to do the rotation maneuver and

495

00:19:15,510 --> 00:19:12,880

it's just that moment as you're poised

496

00:19:18,150 --> 00:19:15,520

there beneath this incredibly

497

00:19:20,789 --> 00:19:18,160

mammoth space station and it really is

498

00:19:23,350 --> 00:19:20,799

it's just a feeling of of awe and you're

499

00:19:24,789 --> 00:19:23,360

humbled by what humans can create when

500

00:19:27,510 --> 00:19:24,799

they work together

501  
00:19:28,390 --> 00:19:27,520  
to do things in space it's just it's a

502  
00:19:33,590 --> 00:19:28,400  
it's an

503  
00:19:35,430 --> 00:19:33,600  
and uh i will never ever ever

504  
00:19:37,190 --> 00:19:35,440  
duplicate it or forget it

505  
00:19:39,270 --> 00:19:37,200  
well thank thank you very much both of

506  
00:19:47,990 --> 00:19:39,280  
you godspeed to you and your crew and

507  
00:19:55,270 --> 00:19:50,950  
atlantis iss this is houston acr thank

508  
00:20:00,870 --> 00:19:58,630  
thank you cbs radio kyw tv and the

509  
00:20:03,190 --> 00:20:00,880  
associated press atlantis crew on the

510  
00:20:05,270 --> 00:20:03,200  
iss we are now resuming operational