



1
00:00:22,240 --> 00:00:30,310
down

2
00:00:34,870 --> 00:00:32,069
hello everyone

3
00:00:34,880 --> 00:00:39,510
oh it's okay you can applaud uh

4
00:00:46,470 --> 00:00:40,869
not an order it's gonna confuse

5
00:00:51,990 --> 00:00:48,310
oh

6
00:00:56,630 --> 00:00:54,229
good enough

7
00:00:58,630 --> 00:00:56,640
good afternoon everyone this is our

8
00:01:00,389 --> 00:00:58,640
sts-135

9
00:01:02,310 --> 00:01:00,399
post landing news conference with

10
00:01:04,950 --> 00:01:02,320
atlantis astronauts

11
00:01:06,950 --> 00:01:04,960
and we'll start with some comments from

12
00:01:08,550 --> 00:01:06,960
the crew and then we'll take questions

13
00:01:10,630 --> 00:01:08,560

so we'll turn it over now to our

14

00:01:13,590 --> 00:01:10,640

commander chris first chris

15

00:01:15,830 --> 00:01:13,600

uh well hello as uh i think we're elated

16

00:01:17,510 --> 00:01:15,840

to be back here in florida um the

17

00:01:18,710 --> 00:01:17,520

weather was perfect today you know uh

18

00:01:21,270 --> 00:01:18,720

one of the things we always have in the

19

00:01:22,630 --> 00:01:21,280

back of our mind is uh is are we gonna

20

00:01:23,749 --> 00:01:22,640

end up back in florida we end up in

21

00:01:25,670 --> 00:01:23,759

california

22

00:01:28,310 --> 00:01:25,680

um mike leinbach the launch director

23

00:01:30,469 --> 00:01:28,320

before we launched said you may not go

24

00:01:31,590 --> 00:01:30,479

to california so we had to come back to

25

00:01:34,550 --> 00:01:31,600

florida fortunately the weather

26

00:01:36,630 --> 00:01:34,560

cooperated and uh we had a uh we had a

27

00:01:37,830 --> 00:01:36,640

nice pre-dawn landing um

28

00:01:40,870 --> 00:01:37,840

i'll just pass it down the line here

29

00:01:41,670 --> 00:01:40,880

real quick to my left sandy magnus ms

30

00:01:43,590 --> 00:01:41,680

one

31

00:01:45,510 --> 00:01:43,600

she was the chief loadmaster she had to

32

00:01:48,630 --> 00:01:45,520

haul all the heavy stuff on and out of

33

00:01:51,030 --> 00:01:48,640

the mplm she did everything from

34

00:01:52,069 --> 00:01:51,040

robotics to taking care of us on the mid

35

00:01:54,230 --> 00:01:52,079

deck

36

00:01:55,990 --> 00:01:54,240

and she was just a tremendous asset to

37

00:01:57,749 --> 00:01:56,000

this crew and i'm proud to have called

38

00:02:00,069 --> 00:01:57,759

her my crewmate sandy

39

00:02:01,590 --> 00:02:00,079

yeah the mission was incredibly busy uh

40

00:02:03,670 --> 00:02:01,600

we knew it was going to be incredibly

41

00:02:06,310 --> 00:02:03,680

busy when we started we had a we got

42

00:02:07,350 --> 00:02:06,320

tons of help from the space station crew

43

00:02:11,430 --> 00:02:07,360

and

44

00:02:14,470 --> 00:02:11,440

that these guys did we were able to get

45

00:02:17,110 --> 00:02:14,480

all that cargo transferred and then more

46

00:02:18,470 --> 00:02:17,120

cargo transferred back to the mplm and

47

00:02:19,589 --> 00:02:18,480

yeah i just have to say it was such a

48

00:02:21,350 --> 00:02:19,599

pleasure to be on the international

49

00:02:23,350 --> 00:02:21,360

space station again that that such a

50

00:02:24,949 --> 00:02:23,360

magical wonderful place

51
00:02:26,630 --> 00:02:24,959
and in some ways i felt like i'd never

52
00:02:28,869 --> 00:02:26,640
left but it's even bigger than it was

53
00:02:30,070 --> 00:02:28,879
two years ago it's just a spectacular

54
00:02:32,229 --> 00:02:30,080
place

55
00:02:35,509 --> 00:02:32,239
on my left is mission specialist too rex

56
00:02:36,710 --> 00:02:35,519
wilheim and he was our eva guru and

57
00:02:39,110 --> 00:02:36,720
transfer

58
00:02:40,630 --> 00:02:39,120
guru as well you did he did a lot in the

59
00:02:41,830 --> 00:02:40,640
mplm that you may or may not have seen

60
00:02:43,830 --> 00:02:41,840
on the camera but he was in there every

61
00:02:46,070 --> 00:02:43,840
day practically when he wasn't doing eva

62
00:02:48,390 --> 00:02:46,080
stuff and and it's been a real fun

63
00:02:49,589 --> 00:02:48,400

flying with rex who are classmates and

64

00:02:51,430 --> 00:02:49,599

it's been really great sharing this

65

00:02:53,430 --> 00:02:51,440

experience with him

66

00:02:55,030 --> 00:02:53,440

thanks sandy and basically for transfer

67

00:02:57,190 --> 00:02:55,040

i did just did what sandy said to do and

68

00:03:00,229 --> 00:02:57,200

that's pretty much what all we did and

69

00:03:01,910 --> 00:03:00,239

uh it was it was a uh it was a it was an

70

00:03:03,589 --> 00:03:01,920

absolutely great experience it was uh

71

00:03:05,509 --> 00:03:03,599

tremendously busy as sandy said i think

72

00:03:07,270 --> 00:03:05,519

you've heard that before

73

00:03:08,630 --> 00:03:07,280

i just want to say what an honor it has

74

00:03:09,509 --> 00:03:08,640

been to be part of the space shuttle

75

00:03:11,750 --> 00:03:09,519

program

76

00:03:13,990 --> 00:03:11,760

i started 26 years ago as a back room

77

00:03:15,509 --> 00:03:14,000

for the max flight controller and i have

78

00:03:17,030 --> 00:03:15,519

loved every minute that i've been part

79

00:03:19,350 --> 00:03:17,040

of the space program it's been such an

80

00:03:20,630 --> 00:03:19,360

honor and uh it runs in the blood i

81

00:03:21,830 --> 00:03:20,640

think every you know us here when you

82

00:03:23,270 --> 00:03:21,840

talk to people here at the kennedy space

83

00:03:25,190 --> 00:03:23,280

center at the johnson space center that

84

00:03:28,070 --> 00:03:25,200

it just runs in the blood

85

00:03:30,229 --> 00:03:28,080

and uh it's just everybody just wants to

86

00:03:31,910 --> 00:03:30,239

be a part of it and we understand it's

87

00:03:33,750 --> 00:03:31,920

time to transition but we're going to

88

00:03:36,229 --> 00:03:33,760

cherish every minute of it

89

00:03:37,750 --> 00:03:36,239

um it i do want to thank all the folks

90

00:03:38,949 --> 00:03:37,760

who on the ground who helped us out here

91

00:03:41,350 --> 00:03:38,959

at the kennedy space center to get us

92

00:03:43,430 --> 00:03:41,360

off in a very exciting launch and to and

93

00:03:44,949 --> 00:03:43,440

to recover us on on a wonderful landing

94

00:03:46,630 --> 00:03:44,959

and then also the mission control and

95

00:03:48,869 --> 00:03:46,640

all the folks at the other space flight

96

00:03:52,229 --> 00:03:48,879

centers who helped us during the mission

97

00:03:55,030 --> 00:03:52,239

and on my left is uh pilot doug hurley

98

00:03:57,429 --> 00:03:55,040

uh doug was uh the the chief of the

99

00:03:59,830 --> 00:03:57,439

great undocking and fly around you saw

100

00:04:02,149 --> 00:03:59,840

and i'm sure it looked pretty and you uh

101
00:04:04,630 --> 00:04:02,159
and you saw pictures of it but it was uh

102
00:04:07,030 --> 00:04:04,640
pretty challenging inside and mr marine

103
00:04:09,429 --> 00:04:07,040
here was calm as a cucumber as all

104
00:04:10,789 --> 00:04:09,439
things were uh were lining up and

105
00:04:12,070 --> 00:04:10,799
as we were all doing a different task

106
00:04:13,990 --> 00:04:12,080
and he was just

107
00:04:16,710 --> 00:04:14,000
running the show and uh and he did a

108
00:04:17,990 --> 00:04:16,720
great job so with that doug thanks rex

109
00:04:19,909 --> 00:04:18,000
uh

110
00:04:21,590 --> 00:04:19,919
i don't know what else to say other than

111
00:04:23,909 --> 00:04:21,600
uh we are glad to be back here in

112
00:04:26,070 --> 00:04:23,919
florida uh it was a

113
00:04:29,510 --> 00:04:26,080

it felt like about a two-month mission

114

00:04:32,469 --> 00:04:29,520

crammed into 13 days we we ran from dawn

115

00:04:34,629 --> 00:04:32,479

till dusk literally up there and uh

116

00:04:36,870 --> 00:04:34,639

i think we left the station better than

117

00:04:39,030 --> 00:04:36,880

we found it and uh i think we've got

118

00:04:40,390 --> 00:04:39,040

them set up for the for the long haul

119

00:04:43,189 --> 00:04:40,400

and uh

120

00:04:45,670 --> 00:04:43,199

anyway fergie never gets introduced so

121

00:04:47,590 --> 00:04:45,680

other than to just say the commander but

122

00:04:49,510 --> 00:04:47,600

you know he's the guy who kind of he's

123

00:04:51,350 --> 00:04:49,520

the glue that kind of kept us together

124

00:04:53,030 --> 00:04:51,360

heading in the same direction

125

00:04:55,590 --> 00:04:53,040

uh for this

126

00:04:59,110 --> 00:04:55,600

i think almost surreal from start to

127

00:05:01,430 --> 00:04:59,120

finish experience and uh

128

00:05:03,350 --> 00:05:01,440

you i don't think any of you appreciate

129

00:05:05,510 --> 00:05:03,360

kind of the demands and kind of the

130

00:05:06,390 --> 00:05:05,520

pressures and the emails that only chris

131

00:05:08,950 --> 00:05:06,400

gets

132

00:05:10,950 --> 00:05:08,960

that he dealt with and there was

133

00:05:12,950 --> 00:05:10,960

absolutely no indication positive or

134

00:05:14,390 --> 00:05:12,960

negative uh to the rest of us and he

135

00:05:17,029 --> 00:05:14,400

just you know kept us going in the right

136

00:05:18,870 --> 00:05:17,039

direction and you know he's yeah you

137

00:05:20,629 --> 00:05:18,880

know we can't say enough about sandy but

138

00:05:23,670 --> 00:05:20,639

we also can't say enough about chris he

139

00:05:25,749 --> 00:05:23,680

he just was a great guy to work for and

140

00:05:28,390 --> 00:05:25,759

i'd like to do it again with him

141

00:05:30,710 --> 00:05:28,400

sooner rather than later

142

00:05:32,710 --> 00:05:30,720

thanks doug

143

00:05:34,390 --> 00:05:32,720

all right with that we'll take questions

144

00:05:36,230 --> 00:05:34,400

please be sure to give your name an

145

00:05:38,150 --> 00:05:36,240

affiliation when the microphone comes to

146

00:05:40,150 --> 00:05:38,160

you and we'll start down here in the

147

00:05:42,070 --> 00:05:40,160

front with marcia

148

00:05:44,469 --> 00:05:42,080

marcia done associated press we just

149

00:05:46,550 --> 00:05:44,479

heard from mike leinbach that tears were

150

00:05:48,710 --> 00:05:46,560

flowing on the runway when you guys came

151

00:05:50,790 --> 00:05:48,720

in i'd like to know if tears were

152

00:05:55,990 --> 00:05:50,800

flowing in the cockpit and what were the

153

00:06:00,710 --> 00:05:59,189

i i think uh what i'd say is we each got

154

00:06:01,670 --> 00:06:00,720

choked up at different times the mission

155

00:06:03,510 --> 00:06:01,680

they were

156

00:06:04,710 --> 00:06:03,520

it's it's funny because there are

157

00:06:06,870 --> 00:06:04,720

certain times where you have to do

158

00:06:08,550 --> 00:06:06,880

nothing but concentrate and you can't

159

00:06:10,469 --> 00:06:08,560

feel the historic nature of it like for

160

00:06:12,309 --> 00:06:10,479

instance when when doug was doing the

161

00:06:14,309 --> 00:06:12,319

undocking i mean it was a magnificent

162

00:06:16,390 --> 00:06:14,319

site it was it was dark

163

00:06:17,990 --> 00:06:16,400

and uh and we were departing and i just

164

00:06:19,670 --> 00:06:18,000

i was a little bit set back so i could

165

00:06:21,590 --> 00:06:19,680

be a little bit more detached for the

166

00:06:22,469 --> 00:06:21,600

first part and when the station crew

167

00:06:24,390 --> 00:06:22,479

said

168

00:06:26,230 --> 00:06:24,400

that atlantis is departing it just that

169

00:06:27,270 --> 00:06:26,240

was one that really choked me up and i

170

00:06:29,270 --> 00:06:27,280

know there are other parts that really

171

00:06:30,629 --> 00:06:29,280

choke people up too and it's just it

172

00:06:31,990 --> 00:06:30,639

kind of depended on what part of the

173

00:06:34,550 --> 00:06:32,000

mission you were at and what your job

174

00:06:35,350 --> 00:06:34,560

was but there were times that you would

175

00:06:36,870 --> 00:06:35,360

just

176
00:06:39,909 --> 00:06:36,880
take the big picture and it would it

177
00:06:45,110 --> 00:06:41,189
peter

178
00:06:46,790 --> 00:06:45,120
radio and thanks for answering the same

179
00:06:49,350 --> 00:06:46,800
hundreds of questions

180
00:06:51,189 --> 00:06:49,360
hundreds of times instead of looking

181
00:06:52,950 --> 00:06:51,199
back i want you to look ahead because

182
00:06:55,110 --> 00:06:52,960
every 10 years or so we interviewed gene

183
00:06:57,830 --> 00:06:55,120
cernan on the anniversary of him being

184
00:06:59,749 --> 00:06:57,840
the last man to walk on the moon in 10

185
00:07:01,830 --> 00:06:59,759
years when you come back as the last

186
00:07:03,830 --> 00:07:01,840
shuttle crew for the anniversary where

187
00:07:05,350 --> 00:07:03,840
do you think we will be not where you

188
00:07:07,670 --> 00:07:05,360

hope will be but where do you think

189

00:07:11,110 --> 00:07:07,680

we'll be in terms of uh the u.s and

190

00:07:12,950 --> 00:07:11,120

human space uh flight and exploration

191

00:07:16,390 --> 00:07:12,960

that's a great question peter it really

192

00:07:19,350 --> 00:07:16,400

is i know where i hope will be as to

193

00:07:23,430 --> 00:07:21,430

given everything that i know today i

194

00:07:25,029 --> 00:07:23,440

think that we'll be uh we'll be

195

00:07:29,029 --> 00:07:25,039

traversing back and forth to low-earth

196

00:07:30,710 --> 00:07:29,039

orbit uh with uh one of the four or five

197

00:07:33,110 --> 00:07:30,720

vehicles that are being considered right

198

00:07:34,710 --> 00:07:33,120

now i think that that's going to be a a

199

00:07:37,110 --> 00:07:34,720

well-traveled path i think that we're

200

00:07:39,270 --> 00:07:37,120

going to have people

201
00:07:40,950 --> 00:07:39,280
spending either short or perhaps long

202
00:07:43,270 --> 00:07:40,960
periods of time

203
00:07:45,029 --> 00:07:43,280
in orbit who have

204
00:07:46,070 --> 00:07:45,039
paid for a trip there

205
00:07:47,510 --> 00:07:46,080
um

206
00:07:50,230 --> 00:07:47,520
you know i don't think it's too much

207
00:07:51,589 --> 00:07:50,240
unlike the airlines you recall that the

208
00:07:53,990 --> 00:07:51,599
the whole airline industry the whole

209
00:07:56,469 --> 00:07:54,000
aviation industry got started

210
00:07:57,430 --> 00:07:56,479
uh with uh with

211
00:07:59,990 --> 00:07:57,440
naca

212
00:08:02,950 --> 00:08:00,000
they they designed aerofoils they they

213
00:08:03,909 --> 00:08:02,960

enabled uh aviation to take off

214

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

uh

215

00:08:07,430 --> 00:08:05,759

and nasa

216

00:08:09,270 --> 00:08:07,440

i think has really laid the foundation

217

00:08:11,270 --> 00:08:09,280

for for space flight and commercial

218

00:08:15,350 --> 00:08:11,280

space flight to take off so i think in

219

00:08:18,070 --> 00:08:17,110

i think we'll be on the verge if not

220

00:08:20,469 --> 00:08:18,080

have

221

00:08:22,070 --> 00:08:20,479

already launched

222

00:08:23,589 --> 00:08:22,080

a heavy lift vehicle

223

00:08:25,350 --> 00:08:23,599

nasa's

224

00:08:27,029 --> 00:08:25,360

developed and designed heavy lift

225

00:08:28,469 --> 00:08:27,039

vehicle with the intent of leaving low

226

00:08:30,550 --> 00:08:28,479

earth orbit

227

00:08:32,310 --> 00:08:30,560

um if we're not there we'll we'll have

228

00:08:33,509 --> 00:08:32,320

been there very shortly so personally

229

00:08:35,589 --> 00:08:33,519

that's where i think we're going to be

230

00:08:39,029 --> 00:08:35,599

and i don't know it clearly it's it's my

231

00:08:40,469 --> 00:08:39,039

opinion uh and and i i hope that it's

232

00:08:41,990 --> 00:08:40,479

it's something that does take place

233

00:08:44,149 --> 00:08:42,000

because we do really need something to

234

00:08:45,990 --> 00:08:44,159

look forward to uh you know i know right

235

00:08:47,670 --> 00:08:46,000

now is a little bit of a time of

236

00:08:49,590 --> 00:08:47,680

mourning if you will but you know that's

237

00:08:50,389 --> 00:08:49,600

that's to be expected uh you know we've

238

00:08:51,670 --> 00:08:50,399

all

239

00:08:53,350 --> 00:08:51,680

we've said that we're uh we're saying

240

00:08:55,030 --> 00:08:53,360

goodbye to a good friend

241

00:08:57,990 --> 00:08:55,040

and we'll get over that and we'll uh

242

00:09:00,150 --> 00:08:58,000

we'll we'll once we get over it uh we'll

243

00:09:02,710 --> 00:09:00,160

we'll start looking forward and we'll uh

244

00:09:06,470 --> 00:09:02,720

we'll make it happen again

245

00:09:12,550 --> 00:09:09,350

hi clara moskowitz with space.com and

246

00:09:14,389 --> 00:09:12,560

i'm wondering um if any or all of you

247

00:09:16,070 --> 00:09:14,399

plan to visit the shuttles especially

248

00:09:18,470 --> 00:09:16,080

atlantis once they're installed in their

249

00:09:20,389 --> 00:09:18,480

museum homes

250

00:09:23,030 --> 00:09:20,399

yeah i think it would be nice to see

251
00:09:24,150 --> 00:09:23,040
them uh in their museum homes it'll be

252
00:09:26,070 --> 00:09:24,160
kind of interesting too because we'll

253
00:09:27,750 --> 00:09:26,080
have a perspective of someone who's

254
00:09:28,710 --> 00:09:27,760
lived on the shuttle and operated it so

255
00:09:30,949 --> 00:09:28,720
i think

256
00:09:32,470 --> 00:09:30,959
to go and kind of see it through other

257
00:09:34,949 --> 00:09:32,480
people's eyes as they've chosen to

258
00:09:36,310 --> 00:09:34,959
display it and and watch people i think

259
00:09:38,389 --> 00:09:36,320
it'd be fun to actually go to museum and

260
00:09:39,590 --> 00:09:38,399
watch people look at the shuttle and

261
00:09:41,269 --> 00:09:39,600
sort of listen to the comments that

262
00:09:44,389 --> 00:09:41,279
they're making that i think would be

263
00:09:44,399 --> 00:09:48,150

it's right here

264

00:09:50,790 --> 00:09:49,030

hi

265

00:09:53,350 --> 00:09:50,800

kim spielder with the norwegian space

266

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

flight magazine room for 4x um before

267

00:09:57,110 --> 00:09:55,200

the flight you spoke of that

268

00:09:59,670 --> 00:09:57,120

he didn't think you'd start

269

00:10:01,509 --> 00:09:59,680

to to think um it wouldn't start to sink

270

00:10:03,269 --> 00:10:01,519

in that this is sort of the final flight

271

00:10:04,470 --> 00:10:03,279

of space shuttle now you

272

00:10:06,230 --> 00:10:04,480

walked around the vehicle you had a

273

00:10:08,630 --> 00:10:06,240

couple of hours to sort of

274

00:10:10,870 --> 00:10:08,640

start to be in the ground again uh as i

275

00:10:13,110 --> 00:10:10,880

started to think in that it's this is it

276

00:10:14,949 --> 00:10:13,120

for the space shuttle yeah and i think

277

00:10:17,430 --> 00:10:14,959

when it it actually started to sink in

278

00:10:19,509 --> 00:10:17,440

sooner than i thought it would uh it was

279

00:10:21,030 --> 00:10:19,519

um in flight ever like i was talking

280

00:10:23,190 --> 00:10:21,040

about earlier every once in a while it

281

00:10:24,790 --> 00:10:23,200

would it would start to sink in and it

282

00:10:26,710 --> 00:10:24,800

was uh it was

283

00:10:28,230 --> 00:10:26,720

like mostly in the quiet times like the

284

00:10:29,829 --> 00:10:28,240

other time was when we're we're on the

285

00:10:31,430 --> 00:10:29,839

mid deck of the space shuttle where we

286

00:10:32,710 --> 00:10:31,440

kind of live and live

287

00:10:34,550 --> 00:10:32,720

and sleep and

288

00:10:35,430 --> 00:10:34,560

uh i was down there just thinking about

289

00:10:36,870 --> 00:10:35,440

all the other crews that have gone

290

00:10:39,030 --> 00:10:36,880

before me and you're thinking this is

291

00:10:40,470 --> 00:10:39,040

the last time and uh

292

00:10:42,470 --> 00:10:40,480

someone was asking us whether we would

293

00:10:44,230 --> 00:10:42,480

go to visit the atlantis in the museum

294

00:10:47,030 --> 00:10:44,240

something and i certainly plan to i plan

295

00:10:48,630 --> 00:10:47,040

to go with my my kids and and take them

296

00:10:50,310 --> 00:10:48,640

and show them when it's on displaying a

297

00:10:52,550 --> 00:10:50,320

beautiful uh place here at the kennedy

298

00:10:53,750 --> 00:10:52,560

space center and think back that uh that

299

00:10:56,550 --> 00:10:53,760

we were the last crew that lived down

300

00:10:57,990 --> 00:10:56,560

there and uh i'm sure uh doug can point

301

00:11:03,030 --> 00:10:58,000

out my peach apricot stains on the

302

00:11:08,310 --> 00:11:06,230

hi evan brown fox news radio um how did

303

00:11:11,509 --> 00:11:08,320

atlantis perform on her on her final

304

00:11:12,949 --> 00:11:11,519

trip uh she went up came back she landed

305

00:11:15,190 --> 00:11:12,959

being towed back

306

00:11:17,269 --> 00:11:15,200

what shape is she in and uh

307

00:11:19,590 --> 00:11:17,279

if by some magical reason there were

308

00:11:22,389 --> 00:11:19,600

another set of srbs in an external tank

309

00:11:26,069 --> 00:11:22,399

and they said go fly could she do it

310

00:11:28,150 --> 00:11:26,079

doug yeah most definitely um

311

00:11:29,190 --> 00:11:28,160

everything we asked of her she gave us

312

00:11:30,550 --> 00:11:29,200

it

313

00:11:33,190 --> 00:11:30,560

other than the

314

00:11:35,430 --> 00:11:33,200

we we had a wake-up call in the middle

315

00:11:37,030 --> 00:11:35,440

of the night uh one of the gpcs got a

316

00:11:38,949 --> 00:11:37,040

little cranky but

317

00:11:41,110 --> 00:11:38,959

that happens i mean

318

00:11:43,269 --> 00:11:41,120

everything worked just like it was

319

00:11:45,030 --> 00:11:43,279

supposed to and uh

320

00:11:46,870 --> 00:11:45,040

chris and rex and i got a little

321

00:11:49,110 --> 00:11:46,880

practice with some malfunction

322

00:11:51,269 --> 00:11:49,120

procedures to get the gpcs back in order

323

00:11:52,870 --> 00:11:51,279

but that i mean that was not a big deal

324

00:11:54,550 --> 00:11:52,880

and it was probably made

325

00:11:57,269 --> 00:11:54,560

probably a bigger deal down here than it

326

00:11:59,269 --> 00:11:57,279

really was up there

327

00:12:01,590 --> 00:11:59,279

but the funniest thing about that that

328

00:12:03,990 --> 00:12:01,600

one and and that's really frankly the

329

00:12:05,670 --> 00:12:04,000

only thing i can think of that was even

330

00:12:07,430 --> 00:12:05,680

oh that doesn't work or that doesn't i

331

00:12:09,030 --> 00:12:07,440

mean light switch everything worked

332

00:12:10,870 --> 00:12:09,040

perfectly

333

00:12:13,910 --> 00:12:10,880

but it was just the the memory i'll have

334

00:12:15,269 --> 00:12:13,920

of that is you know the alarm went off

335

00:12:16,949 --> 00:12:15,279

you know we're all in our sleeping bags

336

00:12:18,550 --> 00:12:16,959

the mid deck's dark and

337

00:12:19,910 --> 00:12:18,560

chris and i pop out of our sleeping bags

338

00:12:22,069 --> 00:12:19,920

and we look at each other and go what

339

00:12:25,030 --> 00:12:22,079

was that

340

00:12:26,870 --> 00:12:25,040

and then and then and then it

341

00:12:28,710 --> 00:12:26,880

we get our sleeping bags we go up to the

342

00:12:30,790 --> 00:12:28,720

flight deck we turn on a display and we

343

00:12:33,509 --> 00:12:30,800

sort out that it was gc gpc four and

344

00:12:36,230 --> 00:12:33,519

then just i think chris described them

345

00:12:38,550 --> 00:12:36,240

as gophers coming out of their holes

346

00:12:40,150 --> 00:12:38,560

rex pops up pops up the ladder hey

347

00:12:41,750 --> 00:12:40,160

what's going on and then sandy who was

348

00:12:44,310 --> 00:12:41,760

sleeping on space station popped up

349

00:12:46,069 --> 00:12:44,320

after that so it was that is so that's

350

00:12:47,590 --> 00:12:46,079

gonna what do we say well everybody

351

00:12:49,350 --> 00:12:47,600

please just go back to bed we'll take

352

00:12:52,470 --> 00:12:49,360

care of this

353

00:12:54,949 --> 00:12:52,480

but uh no angie brewer and her team had

354

00:12:57,990 --> 00:12:54,959

atlantis ready to go and i guarantee you

355

00:13:00,150 --> 00:12:58,000

60 days from now she could go again

356

00:13:02,150 --> 00:13:00,160

it's right here hi robert perlman with

357

00:13:05,430 --> 00:13:02,160

collectspace.com um

358

00:13:07,590 --> 00:13:05,440

rex's apricot stains notwithstanding um

359

00:13:09,829 --> 00:13:07,600

did you as a crew leave anything of

360

00:13:11,829 --> 00:13:09,839

yourselves on board atlantis before

361

00:13:12,870 --> 00:13:11,839

leaving perhaps like the final four

362

00:13:14,949 --> 00:13:12,880

inscription that you did on the

363

00:13:15,910 --> 00:13:14,959

simulators back in houston

364

00:13:25,509 --> 00:13:15,920

we

365

00:13:27,350 --> 00:13:25,519

up to up to the the ground processing

366

00:13:29,829 --> 00:13:27,360

crew to decide what to do with what we

367

00:13:31,910 --> 00:13:29,839

left behind but we left

368

00:13:34,550 --> 00:13:31,920

we left an inscription

369

00:13:36,470 --> 00:13:34,560

a little plaque and uh it was basically

370

00:13:38,150 --> 00:13:36,480

a tribute to the the people who had

371

00:13:39,670 --> 00:13:38,160

worked on the space shuttle program

372

00:13:40,710 --> 00:13:39,680

since the day one thanking them for

373

00:13:45,910 --> 00:13:40,720

their

374

00:13:48,310 --> 00:13:45,920

you know just let them know how much we

375

00:13:49,990 --> 00:13:48,320

thought about the work that they do from

376

00:13:52,550 --> 00:13:50,000

the from the astronauts from the people

377

00:13:53,910 --> 00:13:52,560

who get to operate the vehicle that they

378

00:13:55,350 --> 00:13:53,920

maintain you know a lot of people think

379

00:13:57,189 --> 00:13:55,360

the astronauts live here in florida and

380

00:13:58,949 --> 00:13:57,199

we rub elbows with these

381

00:14:01,030 --> 00:13:58,959

folks every day but we don't we live far

382

00:14:02,710 --> 00:14:01,040

away and sometimes it's a little bit of

383

00:14:04,069 --> 00:14:02,720

an effort to get out here and give them

384

00:14:06,790 --> 00:14:04,079

the thanks and the praise they deserve

385

00:14:08,310 --> 00:14:06,800

and we try to go the extra yard and for

386

00:14:11,590 --> 00:14:08,320

the record i did clean up my peach

387

00:14:15,269 --> 00:14:12,710

mostly

388

00:14:17,350 --> 00:14:15,279

the pilot made

389

00:14:19,590 --> 00:14:17,360

all right them lock delaware county

390

00:14:21,910 --> 00:14:19,600

times near philadelphia

391

00:14:25,189 --> 00:14:21,920

uh now that the wheels have stopped uh

392

00:14:27,509 --> 00:14:25,199

when one sts-135 is mentioned what will

393

00:14:29,269 --> 00:14:27,519

be your most memorable moment of that

394

00:14:32,389 --> 00:14:29,279

flight and what would be your most

395

00:14:33,910 --> 00:14:32,399

memorable moment of all your flights

396

00:14:37,030 --> 00:14:33,920

oh wow

397

00:14:39,910 --> 00:14:38,230

well

398

00:14:41,590 --> 00:14:39,920

you know probably not one you would

399

00:14:43,829 --> 00:14:41,600

think

400

00:14:45,990 --> 00:14:43,839

when the when the countdown clock stops

401
00:14:47,670 --> 00:14:46,000
at 31 seconds and somebody says the

402
00:14:49,269 --> 00:14:47,680
clock is stopped due to a malfunction

403
00:14:54,949 --> 00:14:49,279
that tends to

404
00:15:00,069 --> 00:14:56,870
the first question that comes to mind is

405
00:15:00,949 --> 00:15:00,079
well what kind of malfunction

406
00:15:02,310 --> 00:15:00,959
um

407
00:15:03,910 --> 00:15:02,320
you know uh

408
00:15:05,670 --> 00:15:03,920
and that's that's just the pilot's

409
00:15:07,670 --> 00:15:05,680
perspective i think if i had to look at

410
00:15:10,069 --> 00:15:07,680
it from uh you know the layman's

411
00:15:11,590 --> 00:15:10,079
perspective you know that just the image

412
00:15:13,590 --> 00:15:11,600
of the space station up there and

413
00:15:15,430 --> 00:15:13,600

unfortunately we cannot convey

414

00:15:17,430 --> 00:15:15,440

you know if you've seen pictures but the

415

00:15:20,150 --> 00:15:17,440

pictures just do not

416

00:15:22,870 --> 00:15:20,160

capture the majesty of what

417

00:15:25,269 --> 00:15:22,880

humans have built in low earth orbit i

418

00:15:27,350 --> 00:15:25,279

mean this is just an immense vehicle and

419

00:15:29,670 --> 00:15:27,360

people are just living and working in it

420

00:15:31,990 --> 00:15:29,680

like it's earth only they float from

421

00:15:34,790 --> 00:15:32,000

module to module it's almost a surreal

422

00:15:36,069 --> 00:15:34,800

experience and that that's probably my

423

00:15:38,710 --> 00:15:36,079

my most

424

00:15:40,629 --> 00:15:38,720

touchy-feely memory

425

00:15:42,710 --> 00:15:40,639

frank moriarty new jersey monthly to

426

00:15:44,710 --> 00:15:42,720

continue the northeast area and chris

427

00:15:47,430 --> 00:15:44,720

the eagles hats for you but the question

428

00:15:49,910 --> 00:15:47,440

is for sandy uh you have more space

429

00:15:52,230 --> 00:15:49,920

flight time in orbit than the rest of

430

00:15:53,749 --> 00:15:52,240

the crew and with the conclusion of this

431

00:15:55,030 --> 00:15:53,759

mission in the shuttle program which

432

00:15:57,110 --> 00:15:55,040

seems like the rules of the game are

433

00:15:59,269 --> 00:15:57,120

changing both in terms of the spacecraft

434

00:16:00,790 --> 00:15:59,279

that will be used in the years to come

435

00:16:02,949 --> 00:16:00,800

as well as the inception of commercial

436

00:16:05,430 --> 00:16:02,959

crew low earth orbit operations

437

00:16:07,990 --> 00:16:05,440

contrasting with nasa's plans for uh

438

00:16:09,829 --> 00:16:08,000

deep space exploration do you foresee a

439

00:16:12,710 --> 00:16:09,839

time when and there may be different

440

00:16:15,110 --> 00:16:12,720

career paths for astronauts based on low

441

00:16:16,870 --> 00:16:15,120

earth operations versus deep space is it

442

00:16:18,629 --> 00:16:16,880

getting to a point where that may be a

443

00:16:20,629 --> 00:16:18,639

consideration you have to decide which

444

00:16:22,629 --> 00:16:20,639

direction you want to go in yeah i think

445

00:16:24,629 --> 00:16:22,639

that's a conceivable idea because as you

446

00:16:27,350 --> 00:16:24,639

get more access to low earth orbit of

447

00:16:28,550 --> 00:16:27,360

course the the scope of missions

448

00:16:30,069 --> 00:16:28,560

possible

449

00:16:32,870 --> 00:16:30,079

increases and so that would require a

450

00:16:34,870 --> 00:16:32,880

whole different type of skill set so

451

00:16:36,150 --> 00:16:34,880

it's it becomes i i hate to say this but

452

00:16:37,910 --> 00:16:36,160

it becomes kind of a less of an

453

00:16:40,230 --> 00:16:37,920

exploration and more of a utilization

454

00:16:41,910 --> 00:16:40,240

whereas the deep space missions are more

455

00:16:44,310 --> 00:16:41,920

of an exploration flavor and that

456

00:16:46,710 --> 00:16:44,320

requires different skill sets so i think

457

00:16:48,470 --> 00:16:46,720

just as when the shuttle came online

458

00:16:49,910 --> 00:16:48,480

you saw an expansion of the types of

459

00:16:52,790 --> 00:16:49,920

opportunities available for people you

460

00:16:55,030 --> 00:16:52,800

know we now needed scientists and and

461

00:16:56,310 --> 00:16:55,040

medical doctors and a wider variety of

462

00:16:58,230 --> 00:16:56,320

of skill sets for that i think you'll

463

00:16:59,670 --> 00:16:58,240

see the same thing here during this

464

00:17:01,350 --> 00:16:59,680

transition so

465

00:17:03,350 --> 00:17:01,360

every little leap broadens the

466

00:17:04,710 --> 00:17:03,360

possibilities for for people to go to

467

00:17:06,230 --> 00:17:04,720

space

468

00:17:07,590 --> 00:17:06,240

and we have time for just one final

469

00:17:09,990 --> 00:17:07,600

question right here

470

00:17:11,909 --> 00:17:10,000

mark ratterman from talking space uh on

471

00:17:13,270 --> 00:17:11,919

the subject of commitment question for

472

00:17:15,669 --> 00:17:13,280

doug hurley

473

00:17:18,789 --> 00:17:15,679

you each individually said yes you'd be

474

00:17:20,549 --> 00:17:18,799

a member of sts-135 crew what happens

475

00:17:22,069 --> 00:17:20,559

from today what things do you continue

476
00:17:24,549 --> 00:17:22,079
to do as a crew what's happening in the

477
00:17:25,909 --> 00:17:24,559
near future for you together

478
00:17:27,590 --> 00:17:25,919
uh

479
00:17:29,510 --> 00:17:27,600
i think

480
00:17:32,150 --> 00:17:29,520
today we're probably gonna go out and

481
00:17:33,990 --> 00:17:32,160
get a nice meal somewhere and then head

482
00:17:36,070 --> 00:17:34,000
back to houston tomorrow

483
00:17:38,950 --> 00:17:36,080
say hi to the folks back there and then

484
00:17:40,710 --> 00:17:38,960
we start in debriefs on monday physicals

485
00:17:42,230 --> 00:17:40,720
and debriefs again we had some medical

486
00:17:43,590 --> 00:17:42,240
stuff earlier so

487
00:17:45,270 --> 00:17:43,600
we'll probably be pretty busy the

488
00:17:47,350 --> 00:17:45,280

debrief process usually takes a couple

489

00:17:49,990 --> 00:17:47,360

weeks and then there's some post-flight

490

00:17:51,350 --> 00:17:50,000

pr appearances that that we'll do after

491

00:17:53,190 --> 00:17:51,360

that so

492

00:17:54,789 --> 00:17:53,200

we we've got a few more months i think

493

00:17:58,310 --> 00:17:54,799

together which is great because it would

494

00:17:59,669 --> 00:17:58,320

be hard to kind of stop it right now so

495

00:18:02,070 --> 00:17:59,679

i think that's generally what we'll be

496

00:18:03,350 --> 00:18:02,080

doing over the next uh probably couple

497

00:18:05,510 --> 00:18:03,360

three months

498

00:18:07,029 --> 00:18:05,520

okay we've got just about a minute james

499

00:18:15,029 --> 00:18:07,039

if you can give us a quick one we'll

500

00:18:18,390 --> 00:18:16,310

james dean with florida today i had a

501
00:18:20,310 --> 00:18:18,400
question for doug as well um you waited

502
00:18:22,630 --> 00:18:20,320
a very long time for your first flight i

503
00:18:24,310 --> 00:18:22,640
believe it was like nine years and um i

504
00:18:25,669 --> 00:18:24,320
just wondered if hopefully it's not that

505
00:18:27,990 --> 00:18:25,679
long for the next one

506
00:18:29,590 --> 00:18:28,000
but did that experience give you any

507
00:18:31,830 --> 00:18:29,600
kind of perspective

508
00:18:34,630 --> 00:18:31,840
uh any lessons learned in terms of

509
00:18:36,230 --> 00:18:34,640
patience perseverance that you think

510
00:18:38,310 --> 00:18:36,240
might help

511
00:18:40,230 --> 00:18:38,320
you and the rest of the astronaut corps

512
00:18:42,470 --> 00:18:40,240
anyone else involved with the program to

513
00:18:43,669 --> 00:18:42,480

to kind of deal with what might the gap

514

00:18:45,110 --> 00:18:43,679

that's to come

515

00:18:46,630 --> 00:18:45,120

yeah well

516

00:18:48,070 --> 00:18:46,640

i mean we're still going to fly people

517

00:18:49,830 --> 00:18:48,080

obviously the rate's going to be three

518

00:18:53,190 --> 00:18:49,840

or four a year rather than

519

00:18:55,590 --> 00:18:53,200

30 or 40. um yeah that for my class the

520

00:18:57,190 --> 00:18:55,600

timing was not very good for flying

521

00:18:59,750 --> 00:18:57,200

quickly

522

00:19:02,310 --> 00:18:59,760

but there were folks in rex and sandy's

523

00:19:03,909 --> 00:19:02,320

class that waited 10 11 years so

524

00:19:06,070 --> 00:19:03,919

it definitely builds

525

00:19:08,150 --> 00:19:06,080

some perseverance if you didn't have any

526

00:19:09,909 --> 00:19:08,160

although frankly most of us didn't get

527

00:19:12,150 --> 00:19:09,919

here because we you know didn't have any

528

00:19:14,230 --> 00:19:12,160

perseverance but uh

529

00:19:16,390 --> 00:19:14,240

yeah it it definitely

530

00:19:18,390 --> 00:19:16,400

you know it's worth the wait but it's

531

00:19:20,310 --> 00:19:18,400

you know you've got to put the effort in

532

00:19:22,789 --> 00:19:20,320

as well but uh

533

00:19:24,710 --> 00:19:22,799

you know hopefully if i fly again i i

534

00:19:26,470 --> 00:19:24,720

yeah waiting another nine years to fly

535

00:19:29,110 --> 00:19:26,480

again would be would be harder rather

536

00:19:31,110 --> 00:19:29,120

than easier but uh you know the the

537

00:19:33,669 --> 00:19:31,120

opportunity to go beyond low earth orbit

538

00:19:35,669 --> 00:19:33,679

or do a six month expedition is

539

00:19:37,350 --> 00:19:35,679

is a great opportunity as well and you

540

00:19:39,110 --> 00:19:37,360

know you just put your time in and and

541

00:19:40,470 --> 00:19:39,120

do your job well and

542

00:19:42,870 --> 00:19:40,480

you know

543

00:19:44,789 --> 00:19:42,880

good things come so i think i'll leave

544

00:19:46,070 --> 00:19:44,799

it at that

545

00:19:47,830 --> 00:19:46,080

all right well that's all the time that

546

00:19:49,510 --> 00:19:47,840

we have with our

547

00:19:51,909 --> 00:19:49,520

atlantis crew today so that will

548

00:19:53,830 --> 00:19:51,919

conclude this briefing and would like to

549

00:19:55,510 --> 00:19:53,840

thank the crew very much for coming

550

00:19:58,390 --> 00:19:55,520

and thank you very much just close the

551

00:20:11,510 --> 00:19:59,270

thanks

552

00:20:15,990 --> 00:20:14,310

nothing changed

553

00:20:18,870 --> 00:20:16,000

one two three four five six seven eight