



1
00:00:14,390 --> 00:00:11,589
hello everyone

2
00:00:14,400 --> 00:00:18,950
oh it's okay you can applaud uh

3
00:00:31,429 --> 00:00:20,310
not an order it's gonna confuse

4
00:00:36,069 --> 00:00:33,670
good enough

5
00:00:38,069 --> 00:00:36,079
good afternoon everyone this is our

6
00:00:39,830 --> 00:00:38,079
sts-135

7
00:00:41,750 --> 00:00:39,840
post landing news conference with

8
00:00:44,389 --> 00:00:41,760
atlantis astronauts

9
00:00:46,389 --> 00:00:44,399
and we'll start with some comments from

10
00:00:47,990 --> 00:00:46,399
the crew and then we'll take questions

11
00:00:50,069 --> 00:00:48,000
so we'll turn it over now to our

12
00:00:53,029 --> 00:00:50,079
commander chris first chris

13
00:00:55,350 --> 00:00:53,039

uh well hello as uh i think we're elated

14

00:00:57,110 --> 00:00:55,360
to be back here in florida um the

15

00:00:58,389 --> 00:00:57,120
weather was perfect today you know one

16

00:01:00,869 --> 00:00:58,399
of the things we always have in the back

17

00:01:02,069 --> 00:01:00,879
of our mind is uh is are we going to end

18

00:01:03,270 --> 00:01:02,079
up back in florida we end up in

19

00:01:05,109 --> 00:01:03,280
california

20

00:01:07,750 --> 00:01:05,119
um mike leinbach the launch director

21

00:01:09,910 --> 00:01:07,760
before we launched said you may not go

22

00:01:11,030 --> 00:01:09,920
to california so we had to come back to

23

00:01:14,230 --> 00:01:11,040
florida fortunately the weather

24

00:01:16,070 --> 00:01:14,240
cooperated and we had a we had a nice

25

00:01:17,270 --> 00:01:16,080
pre-dawn landing

26

00:01:19,670 --> 00:01:17,280

i'll just pass it down the line here

27

00:01:21,109 --> 00:01:19,680

real quick to my left sandy magnus

28

00:01:23,030 --> 00:01:21,119

ms-1

29

00:01:24,950 --> 00:01:23,040

she was the chief loadmaster she had to

30

00:01:28,070 --> 00:01:24,960

haul all the heavy stuff on and out of

31

00:01:30,310 --> 00:01:28,080

the mplm she did everything from

32

00:01:31,510 --> 00:01:30,320

robotics to taking care of us on the

33

00:01:33,670 --> 00:01:31,520

mid-deck

34

00:01:35,429 --> 00:01:33,680

and she was just a tremendous asset to

35

00:01:37,190 --> 00:01:35,439

this crew and i'm proud to have called

36

00:01:39,510 --> 00:01:37,200

her my crewmate sandy

37

00:01:41,030 --> 00:01:39,520

yeah the mission was incredibly busy uh

38

00:01:43,109 --> 00:01:41,040

we knew it was going to be incredibly

39

00:01:45,749 --> 00:01:43,119

busy when we started we had a we got

40

00:01:48,870 --> 00:01:45,759

tons of help from the space station crew

41

00:01:50,710 --> 00:01:48,880

and uh with their help and all the great

42

00:01:53,670 --> 00:01:50,720

work that these guys did we were able to

43

00:01:55,910 --> 00:01:53,680

get all that cargo transferred and then

44

00:01:57,830 --> 00:01:55,920

more cargo transferred back to the mplm

45

00:01:59,030 --> 00:01:57,840

and yeah i just have to say it was such

46

00:02:00,789 --> 00:01:59,040

a pleasure to be on the international

47

00:02:02,789 --> 00:02:00,799

space station again that that's such a

48

00:02:04,389 --> 00:02:02,799

magical wonderful place

49

00:02:06,069 --> 00:02:04,399

and in some ways i felt like i'd never

50

00:02:08,389 --> 00:02:06,079

left but it's even bigger than it was

51
00:02:09,510 --> 00:02:08,399
two years ago it's just a spectacular

52
00:02:11,670 --> 00:02:09,520
place

53
00:02:14,949 --> 00:02:11,680
on my left is mission specialist too rex

54
00:02:16,150 --> 00:02:14,959
wilheim and he was our eva guru and

55
00:02:18,550 --> 00:02:16,160
transfer

56
00:02:20,070 --> 00:02:18,560
guru as well you did he did a lot in the

57
00:02:21,270 --> 00:02:20,080
mplm that you may or may not have seen

58
00:02:23,270 --> 00:02:21,280
on the camera but he was in there every

59
00:02:25,589 --> 00:02:23,280
day practically when he wasn't doing eva

60
00:02:27,830 --> 00:02:25,599
stuff and and it's been a real fun

61
00:02:29,030 --> 00:02:27,840
flying with rex who are classmates and

62
00:02:30,869 --> 00:02:29,040
it's been really great sharing this

63
00:02:32,869 --> 00:02:30,879

experience with him

64

00:02:34,470 --> 00:02:32,879

thanks sandy and basically for transfer

65

00:02:36,630 --> 00:02:34,480

i did just did what sandy said to do and

66

00:02:39,670 --> 00:02:36,640

that's pretty much what all we did and

67

00:02:41,350 --> 00:02:39,680

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

68

00:02:43,030 --> 00:02:41,360

absolutely great experience it was uh

69

00:02:45,589 --> 00:02:43,040

tremendously busy as sandy said i think

70

00:02:47,190 --> 00:02:45,599

you've heard that before um i just want

71

00:02:48,949 --> 00:02:47,200

to say what an honor it has been to be

72

00:02:51,190 --> 00:02:48,959

part of the space shuttle program

73

00:02:53,430 --> 00:02:51,200

i started 26 years ago as a back room

74

00:02:54,949 --> 00:02:53,440

for the max flight controller and i have

75

00:02:56,470 --> 00:02:54,959

loved every minute that i've been part

76

00:02:58,790 --> 00:02:56,480

of the space program it's been such an

77

00:03:00,070 --> 00:02:58,800

honor and uh it runs in the blood i

78

00:03:01,350 --> 00:03:00,080

think everyone you know is here when you

79

00:03:02,710 --> 00:03:01,360

talk to people here at the kennedy space

80

00:03:04,710 --> 00:03:02,720

center at the johnson space center that

81

00:03:07,509 --> 00:03:04,720

it just runs in the blood

82

00:03:09,750 --> 00:03:07,519

and uh it's just everybody just wants to

83

00:03:11,350 --> 00:03:09,760

be a part of it and we understand it's

84

00:03:13,190 --> 00:03:11,360

time to transition but we're going to

85

00:03:15,670 --> 00:03:13,200

cherish every minute of it

86

00:03:17,190 --> 00:03:15,680

um it i do want to thank all the folks

87

00:03:18,390 --> 00:03:17,200

who on the ground who helped us out here

88

00:03:20,790 --> 00:03:18,400

at the kennedy space center to get us

89

00:03:22,869 --> 00:03:20,800

off in a very exciting launch and to and

90

00:03:24,390 --> 00:03:22,879

to recover us on on a wonderful landing

91

00:03:26,070 --> 00:03:24,400

and then also the mission control and

92

00:03:28,309 --> 00:03:26,080

all the folks at the other space flight

93

00:03:32,070 --> 00:03:28,319

centers who helped us during the mission

94

00:03:35,190 --> 00:03:32,080

and on my left is uh pilot doug hurley

95

00:03:37,190 --> 00:03:35,200

doug was uh the the chief of the great

96

00:03:39,589 --> 00:03:37,200

undocking and fly around you saw and i'm

97

00:03:41,910 --> 00:03:39,599

sure it looked pretty and you uh and you

98

00:03:44,309 --> 00:03:41,920

saw pictures of it but it was uh pretty

99

00:03:46,710 --> 00:03:44,319

challenging inside and mr marine here

100

00:03:49,110 --> 00:03:46,720

was calm as a cucumber as all things

101
00:03:50,470 --> 00:03:49,120
were uh were lining up and and as we

102
00:03:53,110 --> 00:03:50,480
were all doing a different task and he

103
00:03:55,589 --> 00:03:53,120
was just uh running the show and and he

104
00:03:57,429 --> 00:03:55,599
did a great job so with that doug thanks

105
00:03:59,589 --> 00:03:57,439
rex um

106
00:04:01,750 --> 00:03:59,599
i don't know what else to say other than

107
00:04:03,350 --> 00:04:01,760
we are glad to be back here in florida

108
00:04:05,509 --> 00:04:03,360
uh it was a

109
00:04:08,949 --> 00:04:05,519
it felt like about a two-month mission

110
00:04:11,910 --> 00:04:08,959
crammed into 13 days we we ran from dawn

111
00:04:14,070 --> 00:04:11,920
till dusk literally up there and

112
00:04:16,310 --> 00:04:14,080
i think we left the station better than

113
00:04:18,469 --> 00:04:16,320

we found it and uh i think we've got

114

00:04:19,830 --> 00:04:18,479

them set up for the for the long haul

115

00:04:22,629 --> 00:04:19,840

and uh

116

00:04:25,110 --> 00:04:22,639

anyway fergie never gets introduced so

117

00:04:27,030 --> 00:04:25,120

other than to just say the commander but

118

00:04:28,950 --> 00:04:27,040

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

119

00:04:30,790 --> 00:04:28,960

the glue that kind of kept us together

120

00:04:32,469 --> 00:04:30,800

heading in the same direction

121

00:04:35,110 --> 00:04:32,479

uh for this

122

00:04:38,629 --> 00:04:35,120

i think almost surreal from start to

123

00:04:40,870 --> 00:04:38,639

finish experience and uh

124

00:04:42,790 --> 00:04:40,880

you i don't think any of you appreciate

125

00:04:44,950 --> 00:04:42,800

kind of the demands and kind of the

126
00:04:45,830 --> 00:04:44,960
pressures and the emails that only chris

127
00:04:48,390 --> 00:04:45,840
gets

128
00:04:50,390 --> 00:04:48,400
that he dealt with and there was

129
00:04:52,390 --> 00:04:50,400
absolutely no indication positive or

130
00:04:53,830 --> 00:04:52,400
negative uh to the rest of us and he

131
00:04:56,469 --> 00:04:53,840
just you know kept us going in the right

132
00:04:58,310 --> 00:04:56,479
direction and you know he's yeah you

133
00:05:00,070 --> 00:04:58,320
know we can't say enough about sandy but

134
00:05:02,469 --> 00:05:00,080
we also can't say enough about chris he

135
00:05:03,189 --> 00:05:02,479
he just was a great guy to work for and

136
00:05:07,830 --> 00:05:03,199
uh

137
00:05:08,830 --> 00:05:07,840
sooner rather than later

138
00:05:11,590 --> 00:05:08,840

thanks

139

00:05:13,430 --> 00:05:11,600

doug all right with that we'll take

140

00:05:15,189 --> 00:05:13,440

questions please be sure to give your

141

00:05:17,350 --> 00:05:15,199

name an affiliation when the microphone

142

00:05:19,590 --> 00:05:17,360

comes to you and we'll start down here

143

00:05:21,510 --> 00:05:19,600

in the front with marcia

144

00:05:23,909 --> 00:05:21,520

marcia done associated press we just

145

00:05:25,990 --> 00:05:23,919

heard from mike leinbach the tears were

146

00:05:28,150 --> 00:05:26,000

flowing on the runway when you guys came

147

00:05:30,230 --> 00:05:28,160

in i'd like to know if tears were

148

00:05:35,430 --> 00:05:30,240

flowing in the cockpit and what were the

149

00:05:40,150 --> 00:05:38,629

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

150

00:05:41,110 --> 00:05:40,160

choked up at different times the mission

151
00:05:42,950 --> 00:05:41,120
they were

152
00:05:44,150 --> 00:05:42,960
it's it's funny because there are

153
00:05:46,310 --> 00:05:44,160
certain times where you have to do

154
00:05:47,990 --> 00:05:46,320
nothing but concentrate and you can't

155
00:05:49,029 --> 00:05:48,000
feel the historic nature of it like for

156
00:05:50,870 --> 00:05:49,039
instance when

157
00:05:52,870 --> 00:05:50,880
when doug was doing the undocking i mean

158
00:05:53,830 --> 00:05:52,880
it was a magnificent site it was it was

159
00:05:55,830 --> 00:05:53,840
dark

160
00:05:57,430 --> 00:05:55,840
and uh and we were departing and i just

161
00:05:59,110 --> 00:05:57,440
i was a little bit set back so i could

162
00:06:01,029 --> 00:05:59,120
be a little bit more detached for the

163
00:06:01,990 --> 00:06:01,039

first part and when the station crew

164

00:06:03,830 --> 00:06:02,000

said

165

00:06:05,670 --> 00:06:03,840

that atlantis is departing it just that

166

00:06:06,710 --> 00:06:05,680

was one that really choked me up and i

167

00:06:08,710 --> 00:06:06,720

know there are other parts that really

168

00:06:10,150 --> 00:06:08,720

choke people up too and it's just it

169

00:06:11,430 --> 00:06:10,160

kind of depended on what part of the

170

00:06:13,990 --> 00:06:11,440

mission you were at and what your job

171

00:06:14,790 --> 00:06:14,000

was but there were times that you would

172

00:06:16,309 --> 00:06:14,800

just

173

00:06:19,350 --> 00:06:16,319

take the big picture and it would it

174

00:06:24,550 --> 00:06:20,629

peter

175

00:06:26,230 --> 00:06:24,560

radio and thanks for answering the same

176

00:06:28,790 --> 00:06:26,240

hundreds of questions

177

00:06:30,629 --> 00:06:28,800

hundreds of times instead of looking

178

00:06:32,390 --> 00:06:30,639

back i want you to look ahead because

179

00:06:34,550 --> 00:06:32,400

every 10 years or so we interview gene

180

00:06:37,270 --> 00:06:34,560

cernan on the anniversary of him being

181

00:06:39,189 --> 00:06:37,280

the last man to walk on the moon in 10

182

00:06:41,270 --> 00:06:39,199

years when you come back as the last

183

00:06:43,270 --> 00:06:41,280

shuttle crew for the anniversary where

184

00:06:44,870 --> 00:06:43,280

do you think we will be not where you

185

00:06:47,510 --> 00:06:44,880

hope will be but where do you think

186

00:06:50,550 --> 00:06:47,520

we'll be in terms of the u.s in human

187

00:06:52,390 --> 00:06:50,560

space uh flight and exploration

188

00:06:55,029 --> 00:06:52,400

that's a great question peter it really

189

00:06:58,790 --> 00:06:55,039

is i know where i hope we'll be

190

00:07:00,870 --> 00:06:58,800

uh as to where i think we'll be um

191

00:07:02,870 --> 00:07:00,880

given everything that i know today i

192

00:07:04,469 --> 00:07:02,880

think that we'll be uh we'll be

193

00:07:08,230 --> 00:07:04,479

traversing back and forth to low earth

194

00:07:09,990 --> 00:07:08,240

orbit uh with uh one of the four or five

195

00:07:11,670 --> 00:07:10,000

uh vehicles that are being considered

196

00:07:13,990 --> 00:07:11,680

right now i think that that's going to

197

00:07:16,550 --> 00:07:14,000

be a a well-traveled path i think that

198

00:07:18,710 --> 00:07:16,560

we're going to have people

199

00:07:20,390 --> 00:07:18,720

spending either short or perhaps long

200

00:07:22,790 --> 00:07:20,400

periods of time

201
00:07:25,510 --> 00:07:22,800
in orbit who have

202
00:07:26,950 --> 00:07:25,520
paid for a trip there

203
00:07:29,430 --> 00:07:26,960
you know i don't think it's too much

204
00:07:31,029 --> 00:07:29,440
unlike the airlines you recall that the

205
00:07:33,430 --> 00:07:31,039
the whole airline industry the whole

206
00:07:35,909 --> 00:07:33,440
aviation industry got started

207
00:07:36,870 --> 00:07:35,919
uh with uh with

208
00:07:39,430 --> 00:07:36,880
naca

209
00:07:42,390 --> 00:07:39,440
they they designed airfoils they they

210
00:07:43,350 --> 00:07:42,400
enabled uh aviation to take off

211
00:07:45,189 --> 00:07:43,360
uh

212
00:07:46,869 --> 00:07:45,199
and nasa

213
00:07:48,710 --> 00:07:46,879

i think has really laid the foundation

214

00:07:50,710 --> 00:07:48,720

for for space flight and commercial

215

00:07:52,629 --> 00:07:50,720

space flight to take off so i think in

216

00:07:54,790 --> 00:07:52,639

10 years we'll see that

217

00:07:56,550 --> 00:07:54,800

um

218

00:07:57,510 --> 00:07:56,560

i think we'll be on the verge if not

219

00:07:59,909 --> 00:07:57,520

have

220

00:08:01,589 --> 00:07:59,919

already launched

221

00:08:03,029 --> 00:08:01,599

a heavy lift vehicle

222

00:08:04,790 --> 00:08:03,039

nasa's

223

00:08:06,469 --> 00:08:04,800

developed and designed heavy lift

224

00:08:08,469 --> 00:08:06,479

vehicle with the intent of leaving low

225

00:08:10,150 --> 00:08:08,479

earth orbit

226

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

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

227

00:08:13,270 --> 00:08:11,919

there very shortly so personally that's

228

00:08:15,029 --> 00:08:13,280

where i think we're going to be and i

229

00:08:18,469 --> 00:08:15,039

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

230

00:08:19,909 --> 00:08:18,479

opinion uh and and i i hope that it's

231

00:08:21,430 --> 00:08:19,919

it's something that does take place

232

00:08:23,589 --> 00:08:21,440

because we do really need something to

233

00:08:25,430 --> 00:08:23,599

look forward to uh you know i know right

234

00:08:27,110 --> 00:08:25,440

now is a little bit of a time of

235

00:08:29,029 --> 00:08:27,120

mourning if you will but you know that's

236

00:08:29,830 --> 00:08:29,039

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

237

00:08:31,110 --> 00:08:29,840

all

238

00:08:32,790 --> 00:08:31,120

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

239

00:08:34,469 --> 00:08:32,800

goodbye to a good friend

240

00:08:37,430 --> 00:08:34,479

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

241

00:08:39,750 --> 00:08:37,440

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

242

00:08:42,149 --> 00:08:39,760

we'll start looking forward and we'll

243

00:08:45,910 --> 00:08:42,159

make it happen again

244

00:08:51,990 --> 00:08:48,870

hi clara moskowitz with space.com and

245

00:08:53,829 --> 00:08:52,000

i'm wondering um if any or all of you

246

00:08:55,509 --> 00:08:53,839

plan to visit the shuttles especially

247

00:08:57,910 --> 00:08:55,519

atlantis once they're installed in their

248

00:08:59,829 --> 00:08:57,920

museum homes

249

00:09:02,470 --> 00:08:59,839

yeah i think it would be nice to see

250

00:09:03,590 --> 00:09:02,480

them uh in their museum homes it'll be

251

00:09:05,509 --> 00:09:03,600

kind of interesting too because we'll

252

00:09:07,269 --> 00:09:05,519

have a perspective of someone who's

253

00:09:10,230 --> 00:09:07,279

lived on the shuttle and operated it so

254

00:09:11,910 --> 00:09:10,240

i think to go and kind of see it through

255

00:09:14,389 --> 00:09:11,920

other people's eyes as they've chosen to

256

00:09:15,750 --> 00:09:14,399

display it and and watch people i think

257

00:09:17,829 --> 00:09:15,760

it'd be fun to actually go to museum and

258

00:09:19,030 --> 00:09:17,839

watch people look at the shuttle and

259

00:09:20,710 --> 00:09:19,040

sort of listen to the comments that

260

00:09:23,910 --> 00:09:20,720

they're making that i think would be

261

00:09:23,920 --> 00:09:27,590

it's right here

262

00:09:30,230 --> 00:09:28,470

hi

263

00:09:32,790 --> 00:09:30,240

kim spielder with the norwegian space

264

00:09:34,630 --> 00:09:32,800

flight magazine room for 4x um before

265

00:09:36,550 --> 00:09:34,640

the flight you spoke of that

266

00:09:39,110 --> 00:09:36,560

he didn't think you'd start

267

00:09:40,949 --> 00:09:39,120

to to think um it wouldn't start to sink

268

00:09:42,710 --> 00:09:40,959

in that this is sort of the final flight

269

00:09:43,910 --> 00:09:42,720

of the space shuttle now you

270

00:09:45,670 --> 00:09:43,920

walked around the vehicle you had a

271

00:09:48,070 --> 00:09:45,680

couple of hours to sort of

272

00:09:50,389 --> 00:09:48,080

start to be in the ground again uh as i

273

00:09:52,550 --> 00:09:50,399

started to think in that it's this is it

274

00:09:54,070 --> 00:09:52,560

for the space shuttle yeah and i think

275

00:09:55,910 --> 00:09:54,080

when it really it actually started to

276

00:09:58,710 --> 00:09:55,920

sink in sooner than i thought it would

277

00:10:00,150 --> 00:09:58,720

uh it was um in flight like i was

278

00:10:02,150 --> 00:10:00,160

talking about earlier every once in a

279

00:10:05,030 --> 00:10:02,160

while it would it would start to sink in

280

00:10:06,870 --> 00:10:05,040

and it was uh it was like mostly in the

281

00:10:08,470 --> 00:10:06,880

quiet times like the other time was when

282

00:10:10,150 --> 00:10:08,480

we were we're on the mid-deck of the

283

00:10:12,150 --> 00:10:10,160

space shuttle where we kind of live and

284

00:10:13,990 --> 00:10:12,160

live in uh and sleep and

285

00:10:14,870 --> 00:10:14,000

uh i was down there just thinking about

286

00:10:16,310 --> 00:10:14,880

all the other crews that have gone

287

00:10:18,470 --> 00:10:16,320

before me and you're thinking this is

288

00:10:19,910 --> 00:10:18,480

the last time and uh

289

00:10:21,990 --> 00:10:19,920

someone was asking us whether we would

290

00:10:23,750 --> 00:10:22,000

go to visit the atlantis in the museum

291

00:10:26,470 --> 00:10:23,760

something and i certainly plan to i plan

292

00:10:28,069 --> 00:10:26,480

to go with my my kids and and take them

293

00:10:29,670 --> 00:10:28,079

and show them when it's on displaying a

294

00:10:32,069 --> 00:10:29,680

beautiful uh place here at the kennedy

295

00:10:33,829 --> 00:10:32,079

space center and think back that that we

296

00:10:35,430 --> 00:10:33,839

were the last crew that lived on there

297

00:10:36,949 --> 00:10:35,440

and i'm sure

298

00:10:38,710 --> 00:10:36,959

doug can point out my peach apricot

299

00:10:42,470 --> 00:10:38,720

stains on the lockers too and everything

300

00:10:47,350 --> 00:10:45,190

hi evan brown fox news radio

301

00:10:50,470 --> 00:10:47,360

how did atlantis perform on her on her

302

00:10:53,030 --> 00:10:50,480

final trip uh she went up came back she

303

00:10:54,630 --> 00:10:53,040

landed being towed back uh what shape is

304

00:10:56,710 --> 00:10:54,640

she in and uh

305

00:10:59,030 --> 00:10:56,720

if by some magical reason there were

306

00:11:01,829 --> 00:10:59,040

another set of srbs in an external tank

307

00:11:05,509 --> 00:11:01,839

and they said go fly could she do it

308

00:11:07,590 --> 00:11:05,519

doug yeah most definitely um

309

00:11:08,630 --> 00:11:07,600

everything we asked of her she gave us

310

00:11:09,990 --> 00:11:08,640

it

311

00:11:12,630 --> 00:11:10,000

other than the

312

00:11:14,870 --> 00:11:12,640

we we had a wake-up call in the middle

313

00:11:16,470 --> 00:11:14,880

of the night uh one of the gpc's got a

314

00:11:18,389 --> 00:11:16,480

little cranky but

315

00:11:20,550 --> 00:11:18,399

that happens i mean

316

00:11:22,710 --> 00:11:20,560

everything worked just like it was

317

00:11:24,470 --> 00:11:22,720

supposed to and

318

00:11:26,310 --> 00:11:24,480

chris and rex and i got a little

319

00:11:28,550 --> 00:11:26,320

practice with some malfunction

320

00:11:30,710 --> 00:11:28,560

procedures to get the gpcs back in order

321

00:11:32,310 --> 00:11:30,720

but that i mean that was not a big deal

322

00:11:33,990 --> 00:11:32,320

and it was probably made

323

00:11:36,710 --> 00:11:34,000

probably a bigger deal down here than it

324

00:11:38,710 --> 00:11:36,720

really was up there

325

00:11:41,190 --> 00:11:38,720

but the funniest thing about that that

326

00:11:43,430 --> 00:11:41,200

one and that's really frankly the only

327

00:11:45,110 --> 00:11:43,440

thing i can think of that was even

328

00:11:46,870 --> 00:11:45,120

oh that doesn't work or that doesn't

329

00:11:48,470 --> 00:11:46,880

mean light switch everything worked

330

00:11:50,310 --> 00:11:48,480

perfectly

331

00:11:53,350 --> 00:11:50,320

but it was just the the memory i'll have

332

00:11:54,710 --> 00:11:53,360

of that is you know the alarm went off

333

00:11:56,389 --> 00:11:54,720

you know we're all in our sleeping bags

334

00:11:57,990 --> 00:11:56,399

the mid dark and

335

00:11:59,350 --> 00:11:58,000

chris and i pop out of our sleeping bags

336

00:12:01,509 --> 00:11:59,360

and we look at each other and go what

337

00:12:04,470 --> 00:12:01,519

was that

338

00:12:06,310 --> 00:12:04,480

and then and then and then it

339

00:12:08,150 --> 00:12:06,320

we get our sleeping bags we go up to the

340

00:12:10,870 --> 00:12:08,160

flight deck we turn on a display and we

341

00:12:13,350 --> 00:12:10,880

sort out that it was gpc four and then

342

00:12:15,670 --> 00:12:13,360

just i think chris described them as

343

00:12:17,990 --> 00:12:15,680

gophers coming out of their holes

344

00:12:19,590 --> 00:12:18,000

rex pops up pops up the ladder hey

345

00:12:21,190 --> 00:12:19,600

what's going on and then sandy who was

346

00:12:23,750 --> 00:12:21,200

sleeping on space station popped up

347

00:12:25,509 --> 00:12:23,760

after that so it was that is that's

348

00:12:27,030 --> 00:12:25,519

gonna what do we say well everybody

349

00:12:28,790 --> 00:12:27,040

please just go back to bed we'll take

350

00:12:31,910 --> 00:12:28,800

care of that we got it

351
00:12:34,389 --> 00:12:31,920
but uh no angie brewer and her team had

352
00:12:37,670 --> 00:12:34,399
atlantis ready to go and i guarantee you

353
00:12:39,590 --> 00:12:37,680
60 days from now she could go again

354
00:12:41,590 --> 00:12:39,600
right here hi robert perlman with

355
00:12:44,870 --> 00:12:41,600
collectspace.com um

356
00:12:47,030 --> 00:12:44,880
rex's apricot stains notwithstanding um

357
00:12:49,269 --> 00:12:47,040
did you as a crew leave anything of

358
00:12:51,269 --> 00:12:49,279
yourselves on board atlantis before

359
00:12:52,310 --> 00:12:51,279
leaving perhaps like the final four

360
00:12:53,990 --> 00:12:52,320
inscription that you did on the

361
00:12:55,350 --> 00:12:54,000
simulators back in houston

362
00:12:57,430 --> 00:12:55,360
uh we

363
00:12:58,949 --> 00:12:57,440

we did we left a little something we

364

00:13:00,870 --> 00:12:58,959

didn't want to make it permanent we

365

00:13:02,710 --> 00:13:00,880

certainly didn't want to we didn't want

366

00:13:05,269 --> 00:13:02,720

to deface atlantis we wanted to leave it

367

00:13:07,030 --> 00:13:05,279

up to up to the ground processing crew

368

00:13:08,710 --> 00:13:07,040

to decide what to do with what we left

369

00:13:11,670 --> 00:13:08,720

behind but we left

370

00:13:14,470 --> 00:13:11,680

um we left an inscription um a little

371

00:13:16,710 --> 00:13:14,480

plaque and uh it was basically a tribute

372

00:13:18,470 --> 00:13:16,720

to the the people who had worked on the

373

00:13:20,470 --> 00:13:18,480

space shuttle program since the day one

374

00:13:24,150 --> 00:13:20,480

thanking them for their for their

375

00:13:25,350 --> 00:13:24,160

dedication and uh to uh

376

00:13:27,750 --> 00:13:25,360

you know just let them know how much we

377

00:13:29,430 --> 00:13:27,760

thought about the work they do uh from

378

00:13:31,990 --> 00:13:29,440

the from the astronauts from the people

379

00:13:33,350 --> 00:13:32,000

who get to operate the vehicle that they

380

00:13:34,790 --> 00:13:33,360

maintain you know a lot of people think

381

00:13:36,629 --> 00:13:34,800

the astronauts live here in florida and

382

00:13:38,470 --> 00:13:36,639

we rub elbows with these

383

00:13:40,069 --> 00:13:38,480

folks every day but we don't we live far

384

00:13:41,430 --> 00:13:40,079

away and it's sometimes it's a it's a

385

00:13:43,030 --> 00:13:41,440

little bit of an effort to get out here

386

00:13:44,150 --> 00:13:43,040

and give them the thanks and the praise

387

00:13:46,389 --> 00:13:44,160

they deserve and

388

00:13:48,150 --> 00:13:46,399

we try to go the extra yard and for the

389

00:13:51,030 --> 00:13:48,160

record i did clean up my peach apricot

390

00:13:54,710 --> 00:13:52,150

mostly

391

00:13:56,790 --> 00:13:54,720

the pilot made them

392

00:13:59,509 --> 00:13:56,800

all right brian lock delaware county

393

00:14:01,670 --> 00:13:59,519

times near philadelphia

394

00:14:04,790 --> 00:14:01,680

now that the wheels have stopped when

395

00:14:06,949 --> 00:14:04,800

one sts-135 is mentioned what will be

396

00:14:08,710 --> 00:14:06,959

your most memorable moment of that

397

00:14:11,829 --> 00:14:08,720

flight and what would be your most

398

00:14:13,350 --> 00:14:11,839

memorable moment of all your flights

399

00:14:16,470 --> 00:14:13,360

oh wow

400

00:14:17,670 --> 00:14:16,480

that's hard one

401
00:14:19,350 --> 00:14:17,680
well

402
00:14:21,030 --> 00:14:19,360
you know probably not one you would

403
00:14:23,269 --> 00:14:21,040
think

404
00:14:25,430 --> 00:14:23,279
when the when the countdown clock stops

405
00:14:27,110 --> 00:14:25,440
at 31 seconds and somebody says the

406
00:14:28,710 --> 00:14:27,120
clock is stopped due to a malfunction

407
00:14:34,389 --> 00:14:28,720
that tends to

408
00:14:39,509 --> 00:14:36,310
the first question that comes to mind is

409
00:14:40,389 --> 00:14:39,519
well what kind of malfunction

410
00:14:41,750 --> 00:14:40,399
um

411
00:14:43,350 --> 00:14:41,760
you know

412
00:14:45,110 --> 00:14:43,360
and that's that's just the pilot's

413
00:14:47,110 --> 00:14:45,120

perspective i think if i had to look at

414

00:14:49,509 --> 00:14:47,120

it from uh you know the layman's

415

00:14:51,030 --> 00:14:49,519

perspective you know that just the image

416

00:14:53,030 --> 00:14:51,040

of the space station up there and

417

00:14:54,870 --> 00:14:53,040

unfortunately we cannot convey

418

00:14:56,870 --> 00:14:54,880

you know if you've seen pictures but the

419

00:14:59,590 --> 00:14:56,880

pictures just do not

420

00:15:02,389 --> 00:14:59,600

capture the majesty of what

421

00:15:04,710 --> 00:15:02,399

humans have built in low earth orbit i

422

00:15:06,870 --> 00:15:04,720

mean this is just an immense vehicle and

423

00:15:09,110 --> 00:15:06,880

people are just living and working in it

424

00:15:11,430 --> 00:15:09,120

like it's earth only they float from

425

00:15:14,230 --> 00:15:11,440

module to module it's almost a surreal

426

00:15:15,509 --> 00:15:14,240

experience and that that's probably my

427

00:15:18,150 --> 00:15:15,519

my most

428

00:15:20,069 --> 00:15:18,160

touchy-feely memory

429

00:15:22,150 --> 00:15:20,079

frank moriarty new jersey monthly to

430

00:15:24,150 --> 00:15:22,160

continue the northeast area and chris

431

00:15:26,949 --> 00:15:24,160

the eagles hats for you but the question

432

00:15:29,350 --> 00:15:26,959

is for sandy uh you have more space

433

00:15:31,749 --> 00:15:29,360

flight time in orbit than the rest of

434

00:15:33,430 --> 00:15:31,759

the crew and with the conclusion of this

435

00:15:34,949 --> 00:15:33,440

mission in the shuttle program it seems

436

00:15:36,629 --> 00:15:34,959

like the rules of the game are changing

437

00:15:38,710 --> 00:15:36,639

both in terms of the spacecraft that

438

00:15:40,310 --> 00:15:38,720

will be used in the years to come

439

00:15:42,389 --> 00:15:40,320

as well as the inception of commercial

440

00:15:44,870 --> 00:15:42,399

crew low earth orbit operations

441

00:15:47,430 --> 00:15:44,880

contrasting with nasa's plans for uh

442

00:15:49,269 --> 00:15:47,440

deep space exploration do you foresee a

443

00:15:52,150 --> 00:15:49,279

time when and there may be different

444

00:15:54,629 --> 00:15:52,160

career paths for astronauts based on low

445

00:15:56,310 --> 00:15:54,639

earth operations versus deep space is it

446

00:15:58,069 --> 00:15:56,320

getting to a point where that may be a

447

00:16:00,069 --> 00:15:58,079

consideration you have to decide which

448

00:16:02,069 --> 00:16:00,079

direction you want to go in yeah i think

449

00:16:04,069 --> 00:16:02,079

that's a conceivable idea because as you

450

00:16:06,829 --> 00:16:04,079

get more access to low earth orbit of

451
00:16:09,110 --> 00:16:06,839
course the the scope of missions

452
00:16:10,710 --> 00:16:09,120
possible increases and so that would

453
00:16:12,310 --> 00:16:10,720
require a whole different type of skill

454
00:16:14,389 --> 00:16:12,320
set so

455
00:16:15,590 --> 00:16:14,399
it's it becomes i i hate to say this but

456
00:16:17,350 --> 00:16:15,600
it becomes kind of a less of an

457
00:16:19,670 --> 00:16:17,360
exploration and more of a utilization

458
00:16:21,350 --> 00:16:19,680
whereas the deep space missions are more

459
00:16:23,749 --> 00:16:21,360
of an exploration flavor and that

460
00:16:26,150 --> 00:16:23,759
requires different skill sets so i think

461
00:16:27,910 --> 00:16:26,160
just as when the shuttle came online

462
00:16:29,350 --> 00:16:27,920
you saw an expansion of the types of

463
00:16:32,230 --> 00:16:29,360

opportunities available for people you

464

00:16:34,629 --> 00:16:32,240

know we now needed scientists and and

465

00:16:35,990 --> 00:16:34,639

medical doctors and a wider variety of

466

00:16:37,670 --> 00:16:36,000

skill sets for that i think you'll see

467

00:16:39,110 --> 00:16:37,680

the same thing here during this

468

00:16:40,790 --> 00:16:39,120

transition so

469

00:16:42,870 --> 00:16:40,800

every little leap broadens the

470

00:16:44,150 --> 00:16:42,880

possibilities for for people to go to

471

00:16:45,670 --> 00:16:44,160

space

472

00:16:47,030 --> 00:16:45,680

and we have time for just one final

473

00:16:49,269 --> 00:16:47,040

question right here

474

00:16:51,189 --> 00:16:49,279

mark ratterman from talking space

475

00:16:52,710 --> 00:16:51,199

on the subject of commitment question

476
00:16:55,110 --> 00:16:52,720
for doug hurley

477
00:16:57,590 --> 00:16:55,120
you each individually said yes you'd be

478
00:16:59,430 --> 00:16:57,600
a member of sts-135 crew

479
00:17:01,030 --> 00:16:59,440
what happens from today what things do

480
00:17:02,389 --> 00:17:01,040
you continue to do as a crew what's

481
00:17:03,990 --> 00:17:02,399
happening in the near future for you

482
00:17:05,350 --> 00:17:04,000
together

483
00:17:07,029 --> 00:17:05,360
uh

484
00:17:08,949 --> 00:17:07,039
i think

485
00:17:11,590 --> 00:17:08,959
today we're probably going to go out and

486
00:17:13,429 --> 00:17:11,600
get a nice meal somewhere and then head

487
00:17:15,510 --> 00:17:13,439
back to houston tomorrow

488
00:17:18,390 --> 00:17:15,520

say hi to the folks back there and then

489

00:17:20,150 --> 00:17:18,400

we start in debriefs on monday physicals

490

00:17:21,669 --> 00:17:20,160

and debriefs again we had some medical

491

00:17:23,029 --> 00:17:21,679

stuff earlier so

492

00:17:24,710 --> 00:17:23,039

we'll probably be pretty busy the

493

00:17:26,789 --> 00:17:24,720

debrief process usually takes a couple

494

00:17:29,430 --> 00:17:26,799

weeks and then there's some post-flight

495

00:17:30,789 --> 00:17:29,440

pr appearances that that we'll do after

496

00:17:32,630 --> 00:17:30,799

that so

497

00:17:34,230 --> 00:17:32,640

we we've got a few more months i think

498

00:17:36,630 --> 00:17:34,240

together which is great because it would

499

00:17:37,750 --> 00:17:36,640

be hard to kind of stop it right now so

500

00:17:39,190 --> 00:17:37,760

um

501
00:17:41,510 --> 00:17:39,200
i think that's generally what we'll be

502
00:17:42,789 --> 00:17:41,520
doing over the next uh probably a couple

503
00:17:44,710 --> 00:17:42,799
three months

504
00:17:46,470 --> 00:17:44,720
okay we've got just about a minute james

505
00:17:50,310 --> 00:17:46,480
if if you can give us a quick one we'll

506
00:17:50,320 --> 00:17:54,470
here

507
00:17:57,430 --> 00:17:55,750
james dean with florida today i had a

508
00:17:58,870 --> 00:17:57,440
question for doug as well

509
00:18:00,549 --> 00:17:58,880
you waited a very long time for your

510
00:18:01,990 --> 00:18:00,559
first flight i believe it was like nine

511
00:18:03,590 --> 00:18:02,000
years and

512
00:18:06,230 --> 00:18:03,600
i just wondered if hopefully it's not

513
00:18:07,669 --> 00:18:06,240

that long for the next one but did that

514

00:18:09,350 --> 00:18:07,679

experience give you any kind of

515

00:18:11,669 --> 00:18:09,360

perspective

516

00:18:14,150 --> 00:18:11,679

any lessons learned in terms of patience

517

00:18:15,669 --> 00:18:14,160

perseverance that you think

518

00:18:17,750 --> 00:18:15,679

might help

519

00:18:19,669 --> 00:18:17,760

you and the rest of the astronaut corps

520

00:18:21,990 --> 00:18:19,679

anyone else involved with the program to

521

00:18:23,110 --> 00:18:22,000

to kind of deal with what might the gap

522

00:18:24,549 --> 00:18:23,120

that's to come

523

00:18:26,070 --> 00:18:24,559

yeah well

524

00:18:27,510 --> 00:18:26,080

i mean we're still going to fly people

525

00:18:29,270 --> 00:18:27,520

obviously the rate's going to be three

526

00:18:31,029 --> 00:18:29,280

or four a year rather than

527

00:18:33,350 --> 00:18:31,039

30 or 40.

528

00:18:36,630 --> 00:18:33,360

yeah that for my class the timing was

529

00:18:39,190 --> 00:18:36,640

not very good for flying quickly

530

00:18:41,990 --> 00:18:39,200

but there were folks in rex and sandy's

531

00:18:43,350 --> 00:18:42,000

class that waited 10 11 years so it

532

00:18:45,510 --> 00:18:43,360

definitely builds

533

00:18:47,590 --> 00:18:45,520

some perseverance if you didn't have any

534

00:18:49,350 --> 00:18:47,600

although frankly most of us didn't get

535

00:18:51,590 --> 00:18:49,360

here because we you know didn't have any

536

00:18:53,669 --> 00:18:51,600

perseverance but uh

537

00:18:55,750 --> 00:18:53,679

yeah it it definitely

538

00:18:57,830 --> 00:18:55,760

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

539

00:18:59,750 --> 00:18:57,840

you know you've got to put the effort in

540

00:19:02,230 --> 00:18:59,760

as well but uh

541

00:19:04,150 --> 00:19:02,240

you know hopefully if i fly again i i

542

00:19:05,909 --> 00:19:04,160

yeah waiting another nine years to fly

543

00:19:08,549 --> 00:19:05,919

again would be would be harder rather

544

00:19:10,549 --> 00:19:08,559

than easier but uh you know the the

545

00:19:13,110 --> 00:19:10,559

opportunity to go beyond low earth orbit

546

00:19:15,110 --> 00:19:13,120

or do a six-month expedition is

547

00:19:16,789 --> 00:19:15,120

is a great opportunity as well and you

548

00:19:18,549 --> 00:19:16,799

know you just put your time in and and

549

00:19:19,909 --> 00:19:18,559

do your job well and

550

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

you know

551

00:19:25,190 --> 00:19:22,320

good things come so i think i'll leave

552

00:19:27,270 --> 00:19:25,200

it at that all right well that's all the

553

00:19:28,950 --> 00:19:27,280

time that we have with our

554

00:19:31,350 --> 00:19:28,960

atlantis crew today so that will

555

00:19:33,270 --> 00:19:31,360

conclude this briefing and would like to

556

00:19:34,870 --> 00:19:33,280

thank the crew very much for coming

557

00:19:36,830 --> 00:19:34,880

and thank you very much this concludes

558

00:19:38,710 --> 00:19:36,840

the