



1
00:00:21,039 --> 00:00:32,069
guess what

2
00:00:32,079 --> 00:00:49,590
oh

3
00:00:52,630 --> 00:00:50,869
good morning thank you for joining us

4
00:00:55,229 --> 00:00:52,640
here at nasa's kennedy space center in

5
00:00:57,910 --> 00:00:55,239
florida for space shuttle endeavors

6
00:00:59,830 --> 00:00:57,920
sts-134 post landing crew news

7
00:01:03,029 --> 00:00:59,840
conference it is my pleasure to

8
00:01:05,189 --> 00:01:03,039
introduce you to the sts-134 crew and

9
00:01:07,270 --> 00:01:05,199
commander it is uh

10
00:01:08,870 --> 00:01:07,280
commander mark kelly

11
00:01:10,390 --> 00:01:08,880
hello everyone

12
00:01:12,390 --> 00:01:10,400
thanks for

13
00:01:15,109 --> 00:01:12,400

coming out very early in the morning at

14

00:01:17,670 --> 00:01:15,119

2 30 when we landed if you were there

15

00:01:19,350 --> 00:01:17,680

and thanks for uh waiting

16

00:01:23,270 --> 00:01:19,360

uh sorry it took us so long we were

17

00:01:25,510 --> 00:01:23,280

doing some medical tests and some

18

00:01:27,830 --> 00:01:25,520

medical experiments one of our crew

19

00:01:29,510 --> 00:01:27,840

members greg chatatov is still

20

00:01:31,429 --> 00:01:29,520

in the process of doing that so he's not

21

00:01:34,069 --> 00:01:31,439

going to be able to be with us today

22

00:01:35,749 --> 00:01:34,079

uh at first like to introduce the rest

23

00:01:39,590 --> 00:01:35,759

of my crew

24

00:01:42,389 --> 00:01:39,600

to my left greg johnson our pilot

25

00:01:44,230 --> 00:01:42,399

former air force colonel f-15 pilot this

26

00:01:46,149 --> 00:01:44,240

is his second flight

27

00:01:48,469 --> 00:01:46,159

second flight on endeavour and second

28

00:01:51,510 --> 00:01:48,479

landing at night

29

00:01:52,870 --> 00:01:51,520

mike fink u.s air force colonel

30

00:01:54,710 --> 00:01:52,880

as well

31

00:01:56,230 --> 00:01:54,720

um mike

32

00:01:58,950 --> 00:01:56,240

is now the

33

00:02:01,270 --> 00:01:58,960

u.s record holder for time and space he

34

00:02:03,270 --> 00:02:01,280

previously did two long duration

35

00:02:05,350 --> 00:02:03,280

flights uh flying up and down on the

36

00:02:08,150 --> 00:02:05,360

russian soyuz

37

00:02:09,990 --> 00:02:08,160

and then colonel roberto vittori of the

38

00:02:11,430 --> 00:02:10,000

italian air force

39

00:02:14,630 --> 00:02:11,440

who is

40

00:02:16,790 --> 00:02:14,640

uh with aussie but on a mission for the

41

00:02:18,550 --> 00:02:16,800

european space agency

42

00:02:20,309 --> 00:02:18,560

roberto and i actually

43

00:02:23,270 --> 00:02:20,319

have known each other the longest having

44

00:02:24,229 --> 00:02:23,280

served at the naval test center patuxent

45

00:02:27,190 --> 00:02:24,239

river

46

00:02:30,550 --> 00:02:27,200

at the u.s naval test pilot school

47

00:02:32,470 --> 00:02:30,560

probably 15 years ago now

48

00:02:35,190 --> 00:02:32,480

and then drew feustel our lead

49

00:02:36,390 --> 00:02:35,200

spacewalker who led three of the

50

00:02:38,150 --> 00:02:36,400

spacewalks

51
00:02:40,390 --> 00:02:38,160
during this mission and

52
00:02:43,030 --> 00:02:40,400
supervised all four of them

53
00:02:45,670 --> 00:02:43,040
um really critical member of this crew

54
00:02:47,990 --> 00:02:45,680
we did four evas

55
00:02:51,670 --> 00:02:48,000
which are very as you many of you know

56
00:02:53,270 --> 00:02:51,680
are very very high risk things to do

57
00:02:55,110 --> 00:02:53,280
and they went

58
00:02:56,390 --> 00:02:55,120
uh flawlessly

59
00:02:58,949 --> 00:02:56,400
and we got everything done that we

60
00:03:01,830 --> 00:02:58,959
planned to do

61
00:03:04,550 --> 00:03:01,840
we installed the alpha men alpha

62
00:03:06,470 --> 00:03:04,560
magnetic spectrometer on flight day

63
00:03:08,869 --> 00:03:06,480

for the mission which was a pretty

64

00:03:11,509 --> 00:03:08,879

exciting milestone for us

65

00:03:13,350 --> 00:03:11,519

it'll be a new day for astrophysics in

66

00:03:16,149 --> 00:03:13,360

space to have

67

00:03:20,149 --> 00:03:16,159

a very high tech cosmic particle

68

00:03:21,350 --> 00:03:20,159

detector outside the earth's atmosphere

69

00:03:24,149 --> 00:03:21,360

dr ting

70

00:03:25,589 --> 00:03:24,159

and his team of over 600 scientists and

71

00:03:27,589 --> 00:03:25,599

engineers

72

00:03:28,949 --> 00:03:27,599

are now really really busy

73

00:03:31,750 --> 00:03:28,959

analyzing

74

00:03:33,830 --> 00:03:31,760

50 million particles a day

75

00:03:36,229 --> 00:03:33,840

i have no idea how they do that how do

76
00:03:37,830 --> 00:03:36,239
you sort through 50 million of anything

77
00:03:39,830 --> 00:03:37,840
but he

78
00:03:44,869 --> 00:03:39,840
is managing to do that and hopefully

79
00:03:51,110 --> 00:03:46,789
but now i guess we'll just take go

80
00:03:51,120 --> 00:04:04,789
do i get to pick

81
00:04:09,670 --> 00:04:07,190
and i'll ask it fast commander kelly

82
00:04:11,509 --> 00:04:09,680
peter king from cbs news radio

83
00:04:12,470 --> 00:04:11,519
we'll get this one hopefully out of the

84
00:04:14,869 --> 00:04:12,480
way

85
00:04:17,349 --> 00:04:14,879
did you truly say to your wife in your

86
00:04:19,110 --> 00:04:17,359
first conversation i'm back and how did

87
00:04:20,789 --> 00:04:19,120
that first conversation go how did she

88
00:04:21,990 --> 00:04:20,799

sound to you well i haven't spoken to

89

00:04:23,909 --> 00:04:22,000

her yet

90

00:04:27,110 --> 00:04:23,919

no because she's probably still sleeping

91

00:04:29,670 --> 00:04:27,120

it's uh 8 30 in the morning here

92

00:04:31,430 --> 00:04:29,680

and you know she's in the hospital and i

93

00:04:33,909 --> 00:04:31,440

don't want to wake her up so i just

94

00:04:35,510 --> 00:04:33,919

actually sent her mother an email

95

00:04:37,590 --> 00:04:35,520

and said the first thing i do when i

96

00:04:38,710 --> 00:04:37,600

leave this press conference let me know

97

00:04:39,990 --> 00:04:38,720

if she's awake and then i'm going to

98

00:04:41,350 --> 00:04:40,000

call her

99

00:04:47,670 --> 00:04:41,360

so

100

00:04:49,510 --> 00:04:47,680

on the same thread but what are you

101
00:04:50,950 --> 00:04:49,520
going to tell her and

102
00:04:53,510 --> 00:04:50,960
when you know

103
00:04:55,909 --> 00:04:53,520
do you think she got up to watch on tv

104
00:04:57,030 --> 00:04:55,919
what are you thinking i don't know i you

105
00:04:59,110 --> 00:04:57,040
know one of the reasons we didn't have

106
00:05:01,430 --> 00:04:59,120
her come down here is because it was

107
00:05:03,749 --> 00:05:01,440
really late in the night and what she's

108
00:05:04,870 --> 00:05:03,759
going through now is a very you know

109
00:05:06,950 --> 00:05:04,880
physically

110
00:05:09,110 --> 00:05:06,960
challenging and difficult thing very

111
00:05:11,189 --> 00:05:09,120
busy schedule it certainly would be

112
00:05:13,830 --> 00:05:11,199
disruptive we all have kids right now

113
00:05:16,629 --> 00:05:13,840

that are just crashed from being up all

114

00:05:18,870 --> 00:05:16,639

night and for anybody you know just

115

00:05:20,469 --> 00:05:18,880

anybody in this room for us it's it's

116

00:05:22,150 --> 00:05:20,479

kind of easy because we've sleep shifted

117

00:05:23,749 --> 00:05:22,160

over a long period of time

118

00:05:24,710 --> 00:05:23,759

but for you know you folks that were out

119

00:05:25,909 --> 00:05:24,720

at the runway you're probably pretty

120

00:05:26,710 --> 00:05:25,919

tired right now

121

00:05:28,629 --> 00:05:26,720

so

122

00:05:30,310 --> 00:05:28,639

uh what i'm going to say to her you know

123

00:05:32,390 --> 00:05:30,320

you know that we really miss her and

124

00:05:33,670 --> 00:05:32,400

can't wait to get back there tomorrow to

125

00:05:35,510 --> 00:05:33,680

see her

126

00:05:37,189 --> 00:05:35,520

um so we're

127

00:05:38,550 --> 00:05:37,199

we're all looking looking forward to

128

00:05:40,950 --> 00:05:38,560

spending time with time with our

129

00:05:43,670 --> 00:05:40,960

families

130

00:05:46,070 --> 00:05:43,680

evan brown fox news radio um colonel

131

00:05:48,550 --> 00:05:46,080

vittori um you're gonna be the or you

132

00:05:50,950 --> 00:05:48,560

are the the last um non-nasa astronaut

133

00:05:52,710 --> 00:05:50,960

to fly on a space shuttle um

134

00:05:53,430 --> 00:05:52,720

how important has the shuttle been to

135

00:05:58,230 --> 00:05:53,440

the

136

00:06:00,950 --> 00:05:58,240

space agency and so on and so forth

137

00:06:03,430 --> 00:06:00,960

shuttle's been a fundamental part of

138

00:06:04,830 --> 00:06:03,440

everything that we have done europe in

139

00:06:09,430 --> 00:06:04,840

space

140

00:06:10,629 --> 00:06:09,440

and we have uh continuously um

141

00:06:13,670 --> 00:06:10,639

using

142

00:06:15,749 --> 00:06:13,680

the possibility to fly on the shuttle

143

00:06:18,230 --> 00:06:15,759

since uh um

144

00:06:20,070 --> 00:06:18,240

i i don't recall exactly when was the

145

00:06:22,710 --> 00:06:20,080

first year but since the very beginning

146

00:06:25,590 --> 00:06:22,720

of the shadow era and obviously for me

147

00:06:26,790 --> 00:06:25,600

it's a privilege to be the last one on

148

00:06:29,110 --> 00:06:26,800

board of the

149

00:06:31,029 --> 00:06:29,120

shadow on board of endeavor the flight

150

00:06:31,909 --> 00:06:31,039

has been spectacular

151
00:06:34,629 --> 00:06:31,919
and

152
00:06:35,909 --> 00:06:34,639
i was very pleased to see the space

153
00:06:38,070 --> 00:06:35,919
station

154
00:06:39,830 --> 00:06:38,080
almost double the size that i had seen

155
00:06:43,350 --> 00:06:39,840
in 2005

156
00:06:46,629 --> 00:06:43,360
i was very pleased to see the cupola

157
00:06:49,430 --> 00:06:46,639
node 3 node 2 and everything else that

158
00:06:52,230 --> 00:06:49,440
one way or the other went through the

159
00:06:53,270 --> 00:06:52,240
european space agency and the italian

160
00:06:55,029 --> 00:06:53,280
industry

161
00:06:57,909 --> 00:06:55,039
so i'm very

162
00:06:59,909 --> 00:06:57,919
honored and privileged to have this i've

163
00:07:02,230 --> 00:06:59,919

had this opportunity and grateful to

164

00:07:04,070 --> 00:07:02,240

nasa

165

00:07:08,309 --> 00:07:04,080

mark

166

00:07:11,430 --> 00:07:08,319

question for commander kelly i first saw

167

00:07:14,070 --> 00:07:11,440

you and your crew here at august 26 2010

168

00:07:16,469 --> 00:07:14,080

at the shuttle landing facility when ams

169

00:07:17,909 --> 00:07:16,479

came over from geneva switzerland

170

00:07:19,830 --> 00:07:17,919

i remember thinking

171

00:07:21,670 --> 00:07:19,840

how committed and focused you were on

172

00:07:23,350 --> 00:07:21,680

that hot august day

173

00:07:25,110 --> 00:07:23,360

and what do you expect that you will

174

00:07:29,189 --> 00:07:25,120

always remember

175

00:07:31,189 --> 00:07:29,199

about sts-134's crew and mission

176

00:07:32,230 --> 00:07:31,199

well certainly

177

00:07:34,710 --> 00:07:32,240

um

178

00:07:36,790 --> 00:07:34,720

in a 16-day flight we've got a lot of

179

00:07:38,150 --> 00:07:36,800

great stories that we'll be telling for

180

00:07:40,230 --> 00:07:38,160

a long time

181

00:07:41,350 --> 00:07:40,240

uh many that we certainly can't share

182

00:07:43,350 --> 00:07:41,360

with you

183

00:07:45,510 --> 00:07:43,360

um but

184

00:07:47,029 --> 00:07:45,520

what i'll remember most

185

00:07:51,110 --> 00:07:47,039

you know are these you know the four

186

00:07:52,790 --> 00:07:51,120

guys here and greg gemitov um

187

00:07:54,469 --> 00:07:52,800

you know this is an incredible group

188

00:07:56,950 --> 00:07:54,479

these flights are really really hard to

189

00:08:00,309 --> 00:07:56,960

do i mean it's very tiring

190

00:08:02,390 --> 00:08:00,319

uh very long days technically difficult

191

00:08:04,469 --> 00:08:02,400

stuff you know spacewalks are very hard

192

00:08:05,830 --> 00:08:04,479

the robotic arm operations

193

00:08:08,150 --> 00:08:05,840

i'd say

194

00:08:09,589 --> 00:08:08,160

our pilot greg johnson here is

195

00:08:11,189 --> 00:08:09,599

probably one of the most experienced

196

00:08:12,469 --> 00:08:11,199

robotic arm operators that the space

197

00:08:14,070 --> 00:08:12,479

station has

198

00:08:15,350 --> 00:08:14,080

now even though he hasn't done a long

199

00:08:16,309 --> 00:08:15,360

duration flight just from his two

200

00:08:19,670 --> 00:08:16,319

missions

201

00:08:21,670 --> 00:08:19,680

um you know this stuff is is is really

202

00:08:23,749 --> 00:08:21,680

really difficult and to do it with a

203

00:08:27,029 --> 00:08:23,759

group of people that are just so

204

00:08:28,390 --> 00:08:27,039

accomplished and so experienced and

205

00:08:30,390 --> 00:08:28,400

you know it makes it

206

00:08:33,589 --> 00:08:30,400

you know very easy for me it makes my

207

00:08:36,310 --> 00:08:33,599

job a lot easier to have guys like this

208

00:08:42,790 --> 00:08:36,320

uh you know on this crew so i'll i'll

209

00:08:48,630 --> 00:08:45,430

um todd halverson of florida today i

210

00:08:50,150 --> 00:08:48,640

guess we're mark kelly um

211

00:08:52,070 --> 00:08:50,160

i think he came into the court in the

212

00:08:55,670 --> 00:08:52,080

mid 1990s

213

00:08:57,190 --> 00:08:55,680

and um it it's kind of fascinating to me

214

00:09:00,230 --> 00:08:57,200

to see how

215

00:09:02,630 --> 00:09:00,240

uh the content in these missions has

216

00:09:06,550 --> 00:09:02,640

grown in complexity over the years and

217

00:09:09,110 --> 00:09:06,560

i'm wondering if you can comment on uh

218

00:09:11,190 --> 00:09:09,120

what your perception is on on how much

219

00:09:13,590 --> 00:09:11,200

more complex these missions have become

220

00:09:15,829 --> 00:09:13,600

and and whether or not it's possible

221

00:09:17,670 --> 00:09:15,839

humanly possible to squeeze any more

222

00:09:20,150 --> 00:09:17,680

into a mission than you guys seem to

223

00:09:22,150 --> 00:09:20,160

have done this time around

224

00:09:23,910 --> 00:09:22,160

well

225

00:09:26,550 --> 00:09:23,920

it's a good question they have become

226

00:09:28,310 --> 00:09:26,560

more complex and

227

00:09:30,389 --> 00:09:28,320

you know i've

228

00:09:32,150 --> 00:09:30,399

a lot of times you hear crews say hey

229

00:09:34,230 --> 00:09:32,160

this is the most complex you know

230

00:09:35,910 --> 00:09:34,240

shuttle mission ever you you you

231

00:09:37,990 --> 00:09:35,920

wouldn't hear that out of me at this

232

00:09:39,750 --> 00:09:38,000

point they're all really hard so i've

233

00:09:41,269 --> 00:09:39,760

never said that

234

00:09:44,150 --> 00:09:41,279

they're really really difficult to do

235

00:09:46,150 --> 00:09:44,160

they're all completely jam-packed

236

00:09:47,829 --> 00:09:46,160

but you know

237

00:09:48,710 --> 00:09:47,839

i think

238

00:09:51,350 --> 00:09:48,720

you know

239

00:09:52,710 --> 00:09:51,360

to address can you pack more in well it

240

00:09:54,870 --> 00:09:52,720

doesn't really matter i mean we're gonna

241

00:09:56,630 --> 00:09:54,880

fly one more flight it's in six weeks

242

00:09:57,990 --> 00:09:56,640

that flight schedule's been written it's

243

00:09:59,750 --> 00:09:58,000

a crew of four

244

00:10:01,190 --> 00:09:59,760

they're gonna have an equally

245

00:10:03,350 --> 00:10:01,200

challenging time

246

00:10:05,190 --> 00:10:03,360

uh it's on atlantis the mission will

247

00:10:06,790 --> 00:10:05,200

have to be a little shorter because they

248

00:10:08,790 --> 00:10:06,800

can't transfer power from the space

249

00:10:09,750 --> 00:10:08,800

station to the space shuttle

250

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

um

251
00:10:13,350 --> 00:10:11,600
so i think

252
00:10:15,110 --> 00:10:13,360
you know they'll have a challenging

253
00:10:17,269 --> 00:10:15,120
flight and these are really hard but

254
00:10:19,030 --> 00:10:17,279
they they they should be it's really

255
00:10:20,630 --> 00:10:19,040
really expensive to fly the space

256
00:10:21,590 --> 00:10:20,640
shuttle or any spacecraft for that

257
00:10:22,470 --> 00:10:21,600
matter

258
00:10:25,110 --> 00:10:22,480
so

259
00:10:25,910 --> 00:10:25,120
the fact that our days you know that we

260
00:10:27,990 --> 00:10:25,920
are

261
00:10:30,870 --> 00:10:28,000
we wake up and we go to work and we do

262
00:10:32,470 --> 00:10:30,880
not stop until we fall asleep

263
00:10:33,990 --> 00:10:32,480

is appropriate

264

00:10:36,150 --> 00:10:34,000

you know it's it's it's the way it

265

00:10:37,190 --> 00:10:36,160

should be fortunately we're able to do

266

00:10:38,389 --> 00:10:37,200

this

267

00:10:45,350 --> 00:10:38,399

without

268

00:10:49,430 --> 00:10:45,360

people you know as we go about

269

00:10:53,750 --> 00:10:51,430

genus and sari abc news for drew and

270

00:10:55,430 --> 00:10:53,760

mike you both pulled off an eight-hour

271

00:10:57,829 --> 00:10:55,440

plus spacewalk i mean that was

272

00:11:00,949 --> 00:10:57,839

exhausting for us down here how was it

273

00:11:04,870 --> 00:11:00,959

for you up there on that night

274

00:11:10,069 --> 00:11:07,910

it was exhausting for us as well

275

00:11:12,150 --> 00:11:10,079

i was lucky to have mike there

276

00:11:14,150 --> 00:11:12,160

we sort of talked about it pre-flight

277

00:11:15,509 --> 00:11:14,160

about what our plans were we knew eva 2

278

00:11:17,430 --> 00:11:15,519

was our longest and

279

00:11:19,670 --> 00:11:17,440

most difficult eva

280

00:11:21,030 --> 00:11:19,680

um

281

00:11:22,790 --> 00:11:21,040

it was two right that we went eight

282

00:11:24,949 --> 00:11:22,800

hours yes

283

00:11:26,389 --> 00:11:24,959

it kind of blurred together um and we

284

00:11:27,750 --> 00:11:26,399

knew that going into it so we sort of

285

00:11:29,030 --> 00:11:27,760

had a plan that hey we're going to stay

286

00:11:30,870 --> 00:11:29,040

out here and do what it takes and also

287

00:11:32,630 --> 00:11:30,880

because that was the ammonia day we knew

288

00:11:34,949 --> 00:11:32,640

that we had to you know finish the task

289

00:11:36,310 --> 00:11:34,959

and see it through to completion so um

290

00:11:38,389 --> 00:11:36,320

it was tough i think mike's going to

291

00:11:40,389 --> 00:11:38,399

lose a few fingernails over this and i

292

00:11:43,030 --> 00:11:40,399

certainly have some beat up hands

293

00:11:44,790 --> 00:11:43,040

but we both uh you know i was fortunate

294

00:11:46,630 --> 00:11:44,800

that mark supported us staying out there

295

00:11:48,550 --> 00:11:46,640

and getting the job done uh we knew we

296

00:11:50,470 --> 00:11:48,560

had a day off ahead of us uh the next

297

00:11:51,430 --> 00:11:50,480

day and so uh everything sort of came

298

00:11:52,710 --> 00:11:51,440

together

299

00:11:55,190 --> 00:11:52,720

and um

300

00:11:57,030 --> 00:11:55,200

you know sometimes uh looking forward

301

00:11:59,829 --> 00:11:57,040

you don't see the path through to the

302

00:12:01,509 --> 00:11:59,839

end but looking back i see how um it was

303

00:12:04,389 --> 00:12:01,519

almost fortuitous that we had that day

304

00:12:05,910 --> 00:12:04,399

off and and we were able to have uh eva2

305

00:12:07,269 --> 00:12:05,920

land on that day that allowed us to go

306

00:12:08,949 --> 00:12:07,279

late and i'm just happy that we were

307

00:12:11,670 --> 00:12:08,959

able to see it through and and really

308

00:12:13,829 --> 00:12:11,680

overall over the four evas we only left

309

00:12:15,750 --> 00:12:13,839

one thing out on the table which was a a

310

00:12:17,910 --> 00:12:15,760

cable that we didn't deploy and

311

00:12:19,430 --> 00:12:17,920

that's a fairly

312

00:12:21,509 --> 00:12:19,440

straightforward task that can be left

313

00:12:22,949 --> 00:12:21,519

for others to do so so the content was

314

00:12:24,790 --> 00:12:22,959

was packed we planned it that way we

315

00:12:26,949 --> 00:12:24,800

trained for a year and a half uh to make

316

00:12:29,910 --> 00:12:26,959

sure that we optimized every moment of

317

00:12:31,829 --> 00:12:29,920

the evas and i think uh you know luckily

318

00:12:33,350 --> 00:12:31,839

we were successful in doing that uh with

319

00:12:34,389 --> 00:12:33,360

the teamwork between uh you know the

320

00:12:35,910 --> 00:12:34,399

whole crew

321

00:12:38,710 --> 00:12:35,920

the support of the crew and the three

322

00:12:42,790 --> 00:12:38,720

spacewalkers so it worked out well

323

00:12:42,800 --> 00:12:47,269

me three

324

00:12:50,550 --> 00:12:48,629

james dean with florida today i was

325

00:12:53,269 --> 00:12:50,560

wondering if any of you guys

326

00:12:54,790 --> 00:12:53,279

got to stay up to see that soyuz depart

327

00:12:56,710 --> 00:12:54,800

uh if so

328

00:12:57,509 --> 00:12:56,720

how neat of an experience was that or or

329

00:12:59,509 --> 00:12:57,519

how

330

00:13:01,190 --> 00:12:59,519

eager you see that that photo that

331

00:13:03,910 --> 00:13:01,200

hopefully will come out

332

00:13:06,310 --> 00:13:03,920

with with you guys there you know on the

333

00:13:07,829 --> 00:13:06,320

outpost uh the only time that that

334

00:13:10,150 --> 00:13:07,839

picture with a shuttle there will ever

335

00:13:11,829 --> 00:13:10,160

be seen

336

00:13:16,150 --> 00:13:11,839

if they did they were not following the

337

00:13:20,870 --> 00:13:18,629

now we were we were we were

338

00:13:22,230 --> 00:13:20,880

asleep uh that was her sleep time it was

339

00:13:23,750 --> 00:13:22,240

right in the middle of our sleep time

340

00:13:27,030 --> 00:13:23,760

and and we really didn't have a chance

341

00:13:28,470 --> 00:13:27,040

to um watch it as much as we wanted to

342

00:13:30,150 --> 00:13:28,480

uh we just had to get our rest because

343

00:13:31,670 --> 00:13:30,160

it was a sprint the whole mission was a

344

00:13:33,750 --> 00:13:31,680

sprint we needed our rest and we're

345

00:13:35,190 --> 00:13:33,760

definitely looking forward to that that

346

00:13:38,069 --> 00:13:35,200

photo coming out

347

00:13:40,389 --> 00:13:38,079

we also took a a similar photo uh

348

00:13:42,069 --> 00:13:40,399

through some careful pre-planning we

349

00:13:45,110 --> 00:13:42,079

took a very nice uh

350

00:13:46,470 --> 00:13:45,120

fish eye lens on on our last part of our

351
00:13:49,509 --> 00:13:46,480
last dva

352
00:13:51,110 --> 00:13:49,519
greg shamatoff was able to sit on top of

353
00:13:52,790 --> 00:13:51,120
the world on top of the space station

354
00:13:55,030 --> 00:13:52,800
and look back and we have a couple

355
00:13:56,870 --> 00:13:55,040
really nice shots of we can see the end

356
00:13:59,829 --> 00:13:56,880
to end of the space station the shuttle

357
00:14:01,430 --> 00:13:59,839
on one side the european automated

358
00:14:03,189 --> 00:14:01,440
transfer vehicle on the other side the

359
00:14:05,750 --> 00:14:03,199
american segment the russian segment the

360
00:14:07,350 --> 00:14:05,760
european japanese and and it is just

361
00:14:09,509 --> 00:14:07,360
really a stunning picture and i think

362
00:14:11,269 --> 00:14:09,519
greg said some nice words so and we got

363
00:14:13,110 --> 00:14:11,279

to see that for real it's not the only

364

00:14:15,350 --> 00:14:13,120

picture that's going to see but i think

365

00:14:17,110 --> 00:14:15,360

when paulo took the shots from the soyuz

366

00:14:18,949 --> 00:14:17,120

are going to be spectacular and i think

367

00:14:21,509 --> 00:14:18,959

we all should be really impressed how

368

00:14:23,590 --> 00:14:21,519

big and magnificent that space station

369

00:14:25,829 --> 00:14:23,600

is we saw it on the rendezvous on the

370

00:14:27,509 --> 00:14:25,839

rendezvous and the excuse me undocking

371

00:14:29,750 --> 00:14:27,519

and then the re-rendezvous for the storm

372

00:14:32,550 --> 00:14:29,760

and we were just uh you know we're kind

373

00:14:34,069 --> 00:14:32,560

of older uh shall we say not jaded guys

374

00:14:35,750 --> 00:14:34,079

but yeah we're not easily impressed

375

00:14:38,230 --> 00:14:35,760

anymore if we've been there done that we

376

00:14:40,389 --> 00:14:38,240

were impressed we were excited like

377

00:14:44,710 --> 00:14:40,399

five-year-olds at a roller coaster park

378

00:14:49,750 --> 00:14:47,269

a brian locke stone county leader uh if

379

00:14:52,550 --> 00:14:49,760

this shuttle program wasn't winding down

380

00:14:54,389 --> 00:14:52,560

endeavour did so well uh with uh no

381

00:15:01,189 --> 00:14:54,399

problems do you feel that there would be

382

00:15:05,910 --> 00:15:03,670

well you know we made a decision some

383

00:15:07,750 --> 00:15:05,920

time ago to retire the space shuttle

384

00:15:10,310 --> 00:15:07,760

on this schedule

385

00:15:14,870 --> 00:15:10,320

to use

386

00:15:17,269 --> 00:15:14,880

build a new vehicle to go on and do

387

00:15:19,670 --> 00:15:17,279

exploration to have a

388

00:15:22,550 --> 00:15:19,680

you know a simpler safer spacecraft i

389

00:15:24,069 --> 00:15:22,560

love the space shuttle i mean i'd fly it

390

00:15:25,590 --> 00:15:24,079

you know just probably just like jerry

391

00:15:27,509 --> 00:15:25,600

here i'd fly it as much as i possibly

392

00:15:29,269 --> 00:15:27,519

could i'd probably go out there

393

00:15:31,910 --> 00:15:29,279

every couple months if i could have the

394

00:15:34,710 --> 00:15:31,920

opportunity to fly on the space shuttle

395

00:15:35,590 --> 00:15:34,720

but it's uh 30 years old

396

00:15:37,269 --> 00:15:35,600

and

397

00:15:39,670 --> 00:15:37,279

you know we can

398

00:15:41,670 --> 00:15:39,680

we you know we we've got to

399

00:15:43,350 --> 00:15:41,680

you know grow and adapt and build new

400

00:15:44,629 --> 00:15:43,360

things and

401
00:15:47,269 --> 00:15:44,639
it's going to be

402
00:15:49,189 --> 00:15:47,279
probably five or six years maybe seven

403
00:15:51,110 --> 00:15:49,199
you know before we have a new us

404
00:15:53,189 --> 00:15:51,120
spacecraft to take crew members first to

405
00:15:55,350 --> 00:15:53,199
and from the international space station

406
00:15:57,829 --> 00:15:55,360
and then hopefully outside of low earth

407
00:15:59,189 --> 00:15:57,839
orbit but but we'll get there so this

408
00:16:02,069 --> 00:15:59,199
was the plan

409
00:16:03,350 --> 00:16:02,079
um but you know personally yeah i would

410
00:16:05,030 --> 00:16:03,360
i would love to

411
00:16:10,629 --> 00:16:05,040
you know fly the space shuttle every

412
00:16:14,870 --> 00:16:12,629
denise childhood space.com question from

413
00:16:17,030 --> 00:16:14,880

mike fink um you're a very experienced

414

00:16:19,110 --> 00:16:17,040

space flier and obviously on this

415

00:16:20,790 --> 00:16:19,120

mission set the record um a new record

416

00:16:22,550 --> 00:16:20,800

for the most number of days the us

417

00:16:23,829 --> 00:16:22,560

astronaut has been in space

418

00:16:24,870 --> 00:16:23,839

but this is also your first space

419

00:16:26,389 --> 00:16:24,880

shuttle mission i was wondering if you

420

00:16:28,069 --> 00:16:26,399

could describe what that experience was

421

00:16:29,910 --> 00:16:28,079

like and especially in light of the fact

422

00:16:32,150 --> 00:16:29,920

that it was endeavors last

423

00:16:34,829 --> 00:16:32,160

oh boy yeah

424

00:16:36,150 --> 00:16:34,839

both myself and ricky bobby here roberto

425

00:16:37,509 --> 00:16:36,160

we um

426

00:16:39,670 --> 00:16:37,519

we

427

00:16:41,749 --> 00:16:39,680

both flew twice on the soyuz and that

428

00:16:43,430 --> 00:16:41,759

was uh that was pretty spectacular it

429

00:16:45,990 --> 00:16:43,440

was pretty amazing going through the the

430

00:16:47,590 --> 00:16:46,000

russian program and both of us served as

431

00:16:49,509 --> 00:16:47,600

flight engineers got to push a lot of

432

00:16:50,389 --> 00:16:49,519

buttons running the checklist in russian

433

00:16:53,269 --> 00:16:50,399

language

434

00:16:55,189 --> 00:16:53,279

and uh that was uh that was pretty you

435

00:16:57,110 --> 00:16:55,199

know magnificent and we definitely

436

00:16:59,910 --> 00:16:57,120

treasure that but uh getting a chance to

437

00:17:01,670 --> 00:16:59,920

fly on the space shuttle uh it was a

438

00:17:04,949 --> 00:17:01,680

dream of mine and i couldn't have asked

439

00:17:06,870 --> 00:17:04,959

to do it with a better group of of guys

440

00:17:08,150 --> 00:17:06,880

here on our crew and a better uh

441

00:17:10,549 --> 00:17:08,160

couldn't have asked for a better ground

442

00:17:12,390 --> 00:17:10,559

support team so it was everything i

443

00:17:13,750 --> 00:17:12,400

dreamed of when i was that you know

444

00:17:15,270 --> 00:17:13,760

eight or nine year old kid that wanted

445

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

to fly in this new space shuttle thing

446

00:17:19,829 --> 00:17:17,679

it wasn't even built yet you know it was

447

00:17:21,429 --> 00:17:19,839

and i was still being in the planning

448

00:17:23,429 --> 00:17:21,439

and that's all i wanted to do i made a

449

00:17:24,549 --> 00:17:23,439

t-shirt with a space shuttle on it with

450

00:17:26,470 --> 00:17:24,559

markers because they weren't they

451

00:17:28,710 --> 00:17:26,480

weren't out in the stores yet and i

452

00:17:30,710 --> 00:17:28,720

still have that t-shirt and uh and you

453

00:17:32,230 --> 00:17:30,720

know childhood dreams don't always come

454

00:17:33,350 --> 00:17:32,240

true and sometimes real life comes in

455

00:17:35,190 --> 00:17:33,360

but

456

00:17:36,789 --> 00:17:35,200

man this dream

457

00:17:38,789 --> 00:17:36,799

i mean the reality was better than the

458

00:17:40,789 --> 00:17:38,799

dream i mean can you believe that i mean

459

00:17:42,630 --> 00:17:40,799

it was so incredible and we just landed

460

00:17:44,470 --> 00:17:42,640

a few hours ago and i'm still just

461

00:17:47,669 --> 00:17:44,480

basking in like i can't believe it was

462

00:17:49,590 --> 00:17:47,679

so surreal how wonderful that was so i'm

463

00:17:51,990 --> 00:17:49,600

thankful to my crewmates for supporting

464

00:17:54,470 --> 00:17:52,000

me and and helping helping uh get

465

00:17:56,549 --> 00:17:54,480

through these uh this really difficult

466

00:17:58,310 --> 00:17:56,559

and tough mission what we got we got

467

00:18:01,669 --> 00:17:58,320

through it and did it really well it was

468

00:18:05,750 --> 00:18:03,590

the last question with ken

469

00:18:07,830 --> 00:18:05,760

uh ken kramer for space flight magazine

470

00:18:09,350 --> 00:18:07,840

for drew you've worked on shuttle

471

00:18:11,270 --> 00:18:09,360

missions on both to the hubble space

472

00:18:13,590 --> 00:18:11,280

telescope and to the international space

473

00:18:15,669 --> 00:18:13,600

station can you compare and contrast the

474

00:18:17,669 --> 00:18:15,679

challenges and the excitement of those

475

00:18:19,430 --> 00:18:17,679

very different missions

476

00:18:21,590 --> 00:18:19,440

uh well the space station's quite a bit

477

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

bigger than hubble and uh

478

00:18:25,510 --> 00:18:23,120

that's for sure

479

00:18:27,190 --> 00:18:25,520

um you know that my

480

00:18:29,190 --> 00:18:27,200

i guess you could you know talk about

481

00:18:31,350 --> 00:18:29,200

the eva experience and that was uh you

482

00:18:32,630 --> 00:18:31,360

know for hubble we parked it in in the

483

00:18:34,150 --> 00:18:32,640

trunk you know in the payload bay the

484

00:18:36,470 --> 00:18:34,160

space shuttle and we worked there in

485

00:18:38,549 --> 00:18:36,480

close quarters and um the feeling of

486

00:18:41,750 --> 00:18:38,559

being there working on hubble although

487

00:18:43,190 --> 00:18:41,760

the tasks were intense and very detailed

488

00:18:44,870 --> 00:18:43,200

and

489

00:18:46,710 --> 00:18:44,880

very technical

490

00:18:48,549 --> 00:18:46,720

and we did you know five space walks

491

00:18:49,909 --> 00:18:48,559

back to back that made the schedule very

492

00:18:52,070 --> 00:18:49,919

hectic

493

00:18:53,909 --> 00:18:52,080

however on space station

494

00:18:55,510 --> 00:18:53,919

um space station is very large and

495

00:18:57,750 --> 00:18:55,520

there's a lot you know long distance to

496

00:18:59,990 --> 00:18:57,760

move over so that that creates you know

497

00:19:01,669 --> 00:19:00,000

that's a lot of effort in and of itself

498

00:19:04,390 --> 00:19:01,679

spending that time moving across the

499

00:19:06,390 --> 00:19:04,400

space station and doing that work so

500

00:19:08,390 --> 00:19:06,400

they're both very challenging

501

00:19:11,270 --> 00:19:08,400

in different ways

502

00:19:13,270 --> 00:19:11,280

very fatiguing uh any eva you do

503

00:19:16,230 --> 00:19:13,280

any work that's done outside in a space

504

00:19:17,510 --> 00:19:16,240

suit is fatiguing and uh so to compare

505

00:19:19,510 --> 00:19:17,520

them is really just to compare the

506

00:19:21,350 --> 00:19:19,520

relative size of the uh

507

00:19:23,110 --> 00:19:21,360

of the two spacecraft you know the

508

00:19:26,630 --> 00:19:23,120

satellite versus you know telescope

509

00:19:28,549 --> 00:19:26,640

versus the space station um but the work

510

00:19:30,390 --> 00:19:28,559

this still wears you out after six or

511

00:19:32,070 --> 00:19:30,400

eight hours the feeling's the same when

512

00:19:33,830 --> 00:19:32,080

you're coming back in the door you're

513

00:19:36,950 --> 00:19:33,840

sort of sad that it's over but happy to

514

00:19:40,310 --> 00:19:38,390

thank done

515

00:19:42,950 --> 00:19:40,320

this will conclude continuing coverage

516

00:19:44,909 --> 00:19:42,960

of the sts-134 mission for more

517

00:19:47,270 --> 00:19:44,919

information on the space shuttle program

518

00:19:50,150 --> 00:19:47,280

sts-134 or space shuttle endeavor please

519

00:19:54,230 --> 00:19:50,160

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