



1
00:00:04,950 --> 00:00:03,350
kpix tv this is houston please call

2
00:00:08,710 --> 00:00:04,960
endeavor for a voice check this is

3
00:00:11,509 --> 00:00:08,720
houston please call endeavor for a voice

4
00:00:16,630 --> 00:00:11,519
endeavor this is kpix tv how do you hear

5
00:00:16,640 --> 00:00:21,189
we read you loud and clear how else

6
00:00:24,470 --> 00:00:23,029
you get the slay of the land

7
00:00:39,830 --> 00:00:24,480
sounds good thank you that's my

8
00:00:42,950 --> 00:00:41,670
okay it sounds like we have a little bit

9
00:00:44,950 --> 00:00:42,960
of a delay

10
00:00:45,990 --> 00:00:44,960
but we've been up here

11
00:00:47,910 --> 00:00:46,000
about

12
00:00:49,510 --> 00:00:47,920
seven and a half

13
00:00:51,590 --> 00:00:49,520

calendar days

14

00:00:54,150 --> 00:00:51,600

but since we launched at the end of our

15

00:00:56,549 --> 00:00:54,160

very first day we're on flight day nine

16

00:00:58,790 --> 00:00:56,559

so we've had eight wake ups and in that

17

00:01:00,950 --> 00:00:58,800

period of time we've had the launch

18

00:01:03,110 --> 00:01:00,960

we've inspected our heat shields we've

19

00:01:05,350 --> 00:01:03,120

joined up with the space station we've

20

00:01:07,670 --> 00:01:05,360

completed two space walks we've

21

00:01:08,469 --> 00:01:07,680

installed the ams particle detector

22

00:01:11,510 --> 00:01:08,479

we've

23

00:01:13,830 --> 00:01:11,520

taz installed the elc spare parts for

24

00:01:15,590 --> 00:01:13,840

the iss and a bunch of other stuff so

25

00:01:21,109 --> 00:01:15,600

we've we've gotten a lot done in this

26
00:01:21,119 --> 00:01:29,749
went on the spacewalk how was that like

27
00:01:34,069 --> 00:01:32,069
well that was my first spacewalk and uh

28
00:01:35,990 --> 00:01:34,079
you know that that was the most intense

29
00:01:37,990 --> 00:01:36,000
thing i've ever done in my life that was

30
00:01:40,550 --> 00:01:38,000
really amazing it's you know it's really

31
00:01:42,469 --> 00:01:40,560
amazing that humans can really do this

32
00:01:44,230 --> 00:01:42,479
it's not science fiction it's absolutely

33
00:01:45,830 --> 00:01:44,240
real and

34
00:01:47,350 --> 00:01:45,840
it was it was amazing it was a lot of

35
00:01:48,870 --> 00:01:47,360
fun

36
00:01:50,389 --> 00:01:48,880
and it was a big difference between the

37
00:01:52,069 --> 00:01:50,399
night and the day you know first thing i

38
00:01:53,270 --> 00:01:52,079

did when i went out there

39

00:01:56,149 --> 00:01:53,280

is uh

40

00:01:59,590 --> 00:01:56,159

i kind of wanted to do a little like uh

41

00:02:01,350 --> 00:01:59,600

you know look mom no hands kind of thing

42

00:02:03,749 --> 00:02:01,360

but with one hand held holding on a

43

00:02:05,910 --> 00:02:03,759

handrail kind of just leaned back and

44

00:02:08,630 --> 00:02:05,920

looked at the earth below 220 miles

45

00:02:10,229 --> 00:02:08,640

below and uh you know what an amazing

46

00:02:12,070 --> 00:02:10,239

thing to be floating there holding on to

47

00:02:13,430 --> 00:02:12,080

the space station flying around the

48

00:02:15,430 --> 00:02:13,440

earth with the earth below like that

49

00:02:17,430 --> 00:02:15,440

just incredible um

50

00:02:19,910 --> 00:02:17,440

you know at night it was very strange

51
00:02:21,750 --> 00:02:19,920
actually because uh it was kind of like

52
00:02:24,550 --> 00:02:21,760
scuba diving in a way on a like on a

53
00:02:26,309 --> 00:02:24,560
coral coral wall because

54
00:02:28,229 --> 00:02:26,319
there's a void all around you just a

55
00:02:30,150 --> 00:02:28,239
total black void and the only thing that

56
00:02:32,470 --> 00:02:30,160
you know sort of connects you back to

57
00:02:34,229 --> 00:02:32,480
reality is this handrail in front of you

58
00:02:36,550 --> 00:02:34,239
that your light your headlamp is

59
00:02:38,630 --> 00:02:36,560
lighting up and everything else is just

60
00:02:40,470 --> 00:02:38,640
this endless void that you have no idea

61
00:02:42,869 --> 00:02:40,480
how far it is to anything it was very

62
00:02:44,949 --> 00:02:42,879
very surreal very very very interesting

63
00:02:46,790 --> 00:02:44,959

but the work went great and you know and

64

00:02:48,630 --> 00:02:46,800

uh we're trained so well to you know

65

00:02:51,110 --> 00:02:48,640

everything everything every part of the

66

00:02:53,110 --> 00:02:51,120

process is so methodical that we just

67

00:02:54,949 --> 00:02:53,120

kind of step through it and uh and just

68

00:02:57,030 --> 00:02:54,959

keep going and that kind of distracts

69

00:02:58,309 --> 00:02:57,040

you from you know getting

70

00:03:00,710 --> 00:02:58,319

getting lost

71

00:03:04,149 --> 00:03:00,720

in all the emotions and the spectacle of

72

00:03:11,830 --> 00:03:05,830

how long have you had the dream of of

73

00:03:15,270 --> 00:03:13,910

did you hear that is it to train maybe

74

00:03:17,030 --> 00:03:15,280

or to uh

75

00:03:21,350 --> 00:03:17,040

could you uh repeat the question it was

76

00:03:29,110 --> 00:03:23,030

have you had this dream of being an

77

00:03:34,550 --> 00:03:31,990

i think we'll both answer that one tim

78

00:03:36,750 --> 00:03:34,560

uh my first dream of being an astronaut

79

00:03:40,789 --> 00:03:36,760

was when i was seven years old back in

80

00:03:42,550 --> 00:03:40,799

1969 it was july the 20th and i was in

81

00:03:45,110 --> 00:03:42,560

central michigan at my grandparents

82

00:03:46,789 --> 00:03:45,120

house watching the lunar landing

83

00:03:48,630 --> 00:03:46,799

for the very first time on a black and

84

00:03:49,670 --> 00:03:48,640

white tv with my brother and sister mom

85

00:03:50,470 --> 00:03:49,680

and dad

86

00:03:56,309 --> 00:03:50,480

and

87

00:04:00,070 --> 00:03:57,750

yeah you know it's funny at the same

88

00:04:02,149 --> 00:04:00,080

time the same event um the tease box

89

00:04:04,789 --> 00:04:02,159

he's just a little bit older than me so

90

00:04:07,429 --> 00:04:04,799

i was six years old uh i was going to be

91

00:04:10,550 --> 00:04:07,439

seven in a month yeah okay fine my

92

00:04:12,630 --> 00:04:10,560

family was on a vacation in florida

93

00:04:13,990 --> 00:04:12,640

and we got to watch watch the launch of

94

00:04:17,509 --> 00:04:14,000

apollo 11

95

00:04:19,270 --> 00:04:17,519

and uh and my dad was a real uh fanatic

96

00:04:21,189 --> 00:04:19,280

of the space program and i used to watch

97

00:04:24,150 --> 00:04:21,199

star trek with them all the time

98

00:04:25,670 --> 00:04:24,160

and when we saw that launch i i told him

99

00:04:27,590 --> 00:04:25,680

at that time that's what i want to do

100

00:04:33,189 --> 00:04:27,600

and somehow managed to keep the dream

101
00:04:37,830 --> 00:04:35,350
well question we have about a minute uh

102
00:04:39,590 --> 00:04:37,840
this is the next to the last mission for

103
00:04:41,110 --> 00:04:39,600
the space shuttle program what do you

104
00:04:46,950 --> 00:04:41,120
think is the future for space

105
00:04:53,830 --> 00:04:50,230
well uh i think we're exploring people

106
00:04:55,270 --> 00:04:53,840
and we're going to explore

107
00:04:57,350 --> 00:04:55,280
outer space

108
00:04:59,430 --> 00:04:57,360
right now this shuttle's retired she's

109
00:05:02,150 --> 00:04:59,440
done a great job for us

110
00:05:04,629 --> 00:05:02,160
or retiring and we've got this mission

111
00:05:07,029 --> 00:05:04,639
and one more but we've got the space

112
00:05:08,710 --> 00:05:07,039
station to look forward to and then some

113
00:05:11,350 --> 00:05:08,720

new technologies that'll come over the

114

00:05:12,950 --> 00:05:11,360

horizon

115

00:05:15,189 --> 00:05:12,960

so on

116

00:05:17,029 --> 00:05:15,199

you know it's amazing how much how much

117

00:05:18,629 --> 00:05:17,039

equipment is up here right now i mean

118

00:05:20,150 --> 00:05:18,639

this is we've got almost a million pound

119

00:05:22,710 --> 00:05:20,160

space station with a space shuttle

120

00:05:24,870 --> 00:05:22,720

attached to 12 people on board we serve

121

00:05:26,550 --> 00:05:24,880

the 16 countries involved and it's

122

00:05:28,469 --> 00:05:26,560

amazing what's going on up here it's

123

00:05:30,070 --> 00:05:28,479

amazing how far we've come in you know

124

00:05:31,909 --> 00:05:30,080

in the last 50 years just just

125

00:05:34,150 --> 00:05:31,919

incredible and although it's the end of

126
00:05:35,670 --> 00:05:34,160
an era for the space shuttle uh and it

127
00:05:38,469 --> 00:05:35,680
may take a few years for the next

128
00:05:39,909 --> 00:05:38,479
vehicles to to to evolve there's no

129
00:05:41,590 --> 00:05:39,919
doubt in my mind that this is going to

130
00:05:43,029 --> 00:05:41,600
be a great platform the space station

131
00:05:45,350 --> 00:05:43,039
for learning about how to explore

132
00:05:47,270 --> 00:05:45,360
further and and doing science in space

133
00:05:49,270 --> 00:05:47,280
that will help us do that and help us

134
00:05:50,550 --> 00:05:49,280
back on earth and things are really

135
00:05:52,150 --> 00:05:50,560
going to continue i think there'll be

136
00:05:56,070 --> 00:05:52,160
more and more people in space and we'll

137
00:06:23,189 --> 00:05:58,710
all right thank you very much

138
00:06:27,830 --> 00:06:25,110

endeavour this is houston acr that

139

00:06:29,749 --> 00:06:27,840

concludes the kpix portion of the event

140

00:06:31,670 --> 00:06:29,759

please stand by for a voice check from

141

00:06:33,430 --> 00:06:31,680

kgo tv

142

00:06:37,110 --> 00:06:33,440

and upper 50s on the coast and tomorrow

143

00:06:39,749 --> 00:06:37,120

night at 18t park giants take on the

144

00:06:41,670 --> 00:06:39,759

florida marlins absolutely playing

145

00:06:42,469 --> 00:06:41,680

endeavor this is kgo tv how do you hear

146

00:06:46,870 --> 00:06:42,479

me

147

00:06:50,710 --> 00:06:49,430

we read you loud and clear how us

148

00:06:52,790 --> 00:06:50,720

mild conditions right out through the

149

00:06:54,870 --> 00:06:52,800

weekend and into next monday which is

150

00:06:57,350 --> 00:06:54,880

you found sound fantastic all right

151
00:07:00,550 --> 00:06:57,360
stand by i'm gonna get the uh anchor

152
00:07:15,110 --> 00:07:00,560
ready to go here standby

153
00:07:18,390 --> 00:07:16,950
you loud and clear

154
00:07:20,230 --> 00:07:18,400
they see this

155
00:07:23,189 --> 00:07:20,240
pill as a way please stand by you'll be

156
00:07:24,710 --> 00:07:23,199
interviewing dan ashley all right

157
00:07:26,150 --> 00:07:24,720
the shuttle endeavor as you know is

158
00:07:28,550 --> 00:07:26,160
docked at the international space

159
00:07:30,309 --> 00:07:28,560
station right now it is shuttle it is

160
00:07:33,110 --> 00:07:30,319
the shuttle's final mission as nasa

161
00:07:35,110 --> 00:07:33,120
retires its fleet and pilot greg johnson

162
00:07:38,469 --> 00:07:35,120
and mission specialist greg chamitov are

163
00:07:41,189 --> 00:07:38,479

joining us now live from space uh greg

164

00:07:42,710 --> 00:07:41,199

chamitov is on your left and he grew up

165

00:07:44,550 --> 00:07:42,720

in san jose spent a lot of his younger

166

00:07:46,070 --> 00:07:44,560

years here in the bay area gentlemen

167

00:07:47,350 --> 00:07:46,080

thank you for being with us can you hear

168

00:07:48,869 --> 00:07:47,360

me

169

00:07:52,230 --> 00:07:48,879

thank you for being with us can you hear

170

00:07:57,270 --> 00:07:53,830

yeah i hear you loud and clear how do

171

00:08:00,150 --> 00:07:58,710

well we hear you great and i really

172

00:08:02,070 --> 00:08:00,160

appreciate it uh both of you guys for

173

00:08:03,110 --> 00:08:02,080

coming on first of all let me explain to

174

00:08:04,710 --> 00:08:03,120

the audience that there is going to be a

175

00:08:06,710 --> 00:08:04,720

significant delay because you are in

176

00:08:08,309 --> 00:08:06,720

space after all so bear with us for that

177

00:08:10,309 --> 00:08:08,319

uh tell us what you're doing up there on

178

00:08:15,830 --> 00:08:10,319

this final mission for this shuttle that

179

00:08:15,840 --> 00:08:20,230

help us back on earth

180

00:08:23,990 --> 00:08:22,550

well i'm up here on the flight deck of

181

00:08:27,110 --> 00:08:24,000

endeavour here with

182

00:08:29,110 --> 00:08:27,120

our pilot box greg johnson

183

00:08:30,390 --> 00:08:29,120

and um we're having a great mission up

184

00:08:31,830 --> 00:08:30,400

here so far

185

00:08:33,269 --> 00:08:31,840

um you know the one of the biggest

186

00:08:35,269 --> 00:08:33,279

things we've done on this mission is

187

00:08:37,029 --> 00:08:35,279

install the alpha magnetic spectrometer

188

00:08:38,070 --> 00:08:37,039

so you know in a sense this is a science

189

00:08:40,149 --> 00:08:38,080

mission although we're really the

190

00:08:41,190 --> 00:08:40,159

delivery guys

191

00:08:42,949 --> 00:08:41,200

several of us were involved in the

192

00:08:45,110 --> 00:08:42,959

robotics to install it

193

00:08:46,389 --> 00:08:45,120

and this this is uh this is a really

194

00:08:48,470 --> 00:08:46,399

important uh

195

00:08:51,110 --> 00:08:48,480

uh scientific instrument you know kind

196

00:08:52,630 --> 00:08:51,120

of unlike um all the other observatories

197

00:08:54,630 --> 00:08:52,640

and telescopes before that looked at

198

00:08:56,630 --> 00:08:54,640

light this is looking at cosmic rays

199

00:08:58,310 --> 00:08:56,640

cosmic particles that's going to give us

200

00:09:00,310 --> 00:08:58,320

an understanding of

201
00:09:02,070 --> 00:09:00,320
the universe that we just haven't had

202
00:09:04,310 --> 00:09:02,080
before and and

203
00:09:06,710 --> 00:09:04,320
solve some of the mysteries of physics

204
00:09:08,150 --> 00:09:06,720
now that's a science perspective but on

205
00:09:09,990 --> 00:09:08,160
the station we have a lot of other

206
00:09:13,190 --> 00:09:10,000
experiments going on there's a little

207
00:09:14,710 --> 00:09:13,200
over 100 experiments going on and and

208
00:09:16,470 --> 00:09:14,720
it's amazing how big the station is and

209
00:09:18,550 --> 00:09:16,480
with 12 people on board right now it's a

210
00:09:19,990 --> 00:09:18,560
big facility uh some of the things that

211
00:09:22,630 --> 00:09:20,000
are going on there are actually related

212
00:09:24,550 --> 00:09:22,640
to recycling and uh we're recycling

213
00:09:27,110 --> 00:09:24,560

water we're recycling air we're

214

00:09:28,870 --> 00:09:27,120

scrubbing on carbon dioxide and a lot of

215

00:09:30,630 --> 00:09:28,880

these technologies that were that were

216

00:09:32,470 --> 00:09:30,640

that will be very necessary to be able

217

00:09:35,350 --> 00:09:32,480

to explore further will be able to be

218

00:09:36,949 --> 00:09:35,360

used back on earth to conserve resources

219

00:09:38,470 --> 00:09:36,959

and this is water recycled water from

220

00:09:40,470 --> 00:09:38,480

the station

221

00:09:43,910 --> 00:09:40,480

and this is recycled water from the

222

00:09:47,829 --> 00:09:46,150

very cool let me ask you this gentlemen

223

00:09:49,750 --> 00:09:47,839

are you planning anything

224

00:09:51,990 --> 00:09:49,760

special because this is the final

225

00:09:57,910 --> 00:09:52,000

mission for endeavor anything special up

226

00:10:03,350 --> 00:10:00,790

well uh you know this is uh endeavour's

227

00:10:06,310 --> 00:10:03,360

uh 25th and final

228

00:10:08,550 --> 00:10:06,320

flight and uh although we're really

229

00:10:12,710 --> 00:10:08,560

excited to be part of that final flight

230

00:10:14,470 --> 00:10:12,720

um you know celebrations and and uh even

231

00:10:15,750 --> 00:10:14,480

strongly acknowledging the fact that

232

00:10:18,150 --> 00:10:15,760

it's the final flight is really

233

00:10:19,670 --> 00:10:18,160

something you do afterwards and so right

234

00:10:22,069 --> 00:10:19,680

now we're uh

235

00:10:24,470 --> 00:10:22,079

enjoying and embracing the adventure of

236

00:10:25,990 --> 00:10:24,480

this final flight of endeavor we've

237

00:10:29,030 --> 00:10:26,000

still got some things to do on our

238

00:10:31,430 --> 00:10:29,040

timeline and when we get back home we'll

239

00:10:33,750 --> 00:10:31,440

probably have some celebrations and and

240

00:10:35,750 --> 00:10:33,760

this space shuttle uh is going to end up

241

00:10:37,590 --> 00:10:35,760

i believe in california

242

00:10:39,829 --> 00:10:37,600

um and uh

243

00:10:42,550 --> 00:10:39,839

just to share with everyone that comes

244

00:10:43,829 --> 00:10:42,560

to visit it so i guess the answer your

245

00:10:46,310 --> 00:10:43,839

question is yes there will be

246

00:10:50,230 --> 00:10:46,320

celebration but right now we're just

247

00:10:55,750 --> 00:10:53,030

one last question gentlemen uh commander

248

00:10:57,269 --> 00:10:55,760

kelly is on board how is he doing and

249

00:10:58,630 --> 00:10:57,279

with all the attention that is paid to

250

00:11:00,389 --> 00:10:58,640

him because of what happened with his

251
00:11:06,949 --> 00:11:00,399
wife congresswoman gabrielle giffords

252
00:11:11,269 --> 00:11:09,190
but fox is joking here he says he's got

253
00:11:14,310 --> 00:11:11,279
a strong pilot to support him

254
00:11:16,069 --> 00:11:14,320
it's just true but um you know mark is

255
00:11:17,350 --> 00:11:16,079
doing great i mean you know we're all

256
00:11:19,509 --> 00:11:17,360
very fortunate to have him as our

257
00:11:22,150 --> 00:11:19,519
commander he's an amazing commander i

258
00:11:24,870 --> 00:11:22,160
flew with him before on sts-124 so i you

259
00:11:26,550 --> 00:11:24,880
know i really knew what to expect and um

260
00:11:28,150 --> 00:11:26,560
you know of course you know uh you know

261
00:11:29,910 --> 00:11:28,160
there's been a lot that uh he's had to

262
00:11:32,790 --> 00:11:29,920
cope with in the last couple of months

263
00:11:35,829 --> 00:11:32,800

and uh you know an ongoing challenge you

264

00:11:37,509 --> 00:11:35,839

know uh as uh as his wife recovers but

265

00:11:39,910 --> 00:11:37,519

um as far as the mission goes we've been

266

00:11:41,509 --> 00:11:39,920

100 focused on the mission and uh and

267

00:11:42,870 --> 00:11:41,519

it's been going great so far and i can

268

00:11:44,710 --> 00:11:42,880

add to that

269

00:11:47,670 --> 00:11:44,720

and i'd like to add that

270

00:11:49,190 --> 00:11:47,680

you know mark is a seasoned

271

00:11:51,829 --> 00:11:49,200

combat

272

00:11:53,910 --> 00:11:51,839

fighter pilot and one of the big parts

273

00:11:55,829 --> 00:11:53,920

of that job is to compartmentalize and

274

00:11:59,430 --> 00:11:55,839

focus on the mission and he's a very

275

00:12:01,750 --> 00:11:59,440

good compartmentalizer and so he is very

276

00:12:03,910 --> 00:12:01,760

caring and um

277

00:12:07,030 --> 00:12:03,920

responsive to everything that that his

278

00:12:09,990 --> 00:12:07,040

wife gabby needs but he's also doesn't

279

00:12:12,150 --> 00:12:10,000

uh leave us in any way

280

00:12:15,030 --> 00:12:12,160

uncommanded he's a strong commander he's

281

00:12:17,829 --> 00:12:15,040

a capable commander and uh and he's he

282

00:12:21,990 --> 00:12:20,069

okay i i have no doubt that that is the

283

00:12:23,190 --> 00:12:22,000

case gentlemen thank you so much greg

284

00:12:25,430 --> 00:12:23,200

johnson on your right and mission

285

00:12:26,949 --> 00:12:25,440

specialist greg chatatov on board the

286

00:12:28,310 --> 00:12:26,959

space shuttle endeavor thank you both

287

00:12:29,750 --> 00:12:28,320

for the privilege to talk with you have

288

00:12:43,030 --> 00:12:29,760

a safe trip back home and good luck with

289

00:12:47,430 --> 00:12:44,949

endeavor this is houston acr that

290

00:12:49,350 --> 00:12:47,440

concludes the kgo portion of the event

291

00:12:54,629 --> 00:12:49,360

please stand by for a voice check from

292

00:12:54,639 --> 00:13:01,190

endeavor this is kfbk how do you hear me

293

00:13:06,790 --> 00:13:02,870

we read you loud and clear i think

294

00:13:08,949 --> 00:13:06,800

there's a slight voice delay

295

00:13:11,030 --> 00:13:08,959

that there is but we'll continue on and

296

00:13:12,790 --> 00:13:11,040

we would like to uh well again greetings

297

00:13:14,790 --> 00:13:12,800

from planet earth and thanks for taking

298

00:13:17,030 --> 00:13:14,800

time out of your busy schedule to talk

299

00:13:19,430 --> 00:13:17,040

with us today we are talking with

300

00:13:21,190 --> 00:13:19,440

commander greg johnson who is the pilot

301
00:13:23,590 --> 00:13:21,200
of this mission and mission specialist

302
00:13:27,750 --> 00:13:23,600
greg shamatoff who as i understand greg

303
00:13:31,990 --> 00:13:29,829
area

304
00:13:34,949 --> 00:13:32,000
so

305
00:13:37,750 --> 00:13:34,959
yeah that's right i grew up in san jose

306
00:13:39,430 --> 00:13:37,760
um actually uh moved there from canada

307
00:13:41,590 --> 00:13:39,440
when i was very young my dad felt that

308
00:13:43,189 --> 00:13:41,600
california was the land of opportunity

309
00:13:45,110 --> 00:13:43,199
and for me obviously that worked out

310
00:13:46,550 --> 00:13:45,120
very nicely

311
00:13:48,870 --> 00:13:46,560
and i have a lot of family a lot of

312
00:13:50,550 --> 00:13:48,880
friends there and looking forward to

313
00:13:52,629 --> 00:13:50,560

seeing them after the mission

314

00:13:53,910 --> 00:13:52,639

a lot of them came to see the launch

315

00:13:56,470 --> 00:13:53,920

you know and i went to school in

316

00:13:59,030 --> 00:13:56,480

california cal poly and so a lot of a

317

00:14:01,110 --> 00:13:59,040

lot of ties to the entire area

318

00:14:02,870 --> 00:14:01,120

now question for both of you gentlemen

319

00:14:04,870 --> 00:14:02,880

uh for those of us and i'm i'm one of

320

00:14:05,910 --> 00:14:04,880

them who grew up watching the apollo

321

00:14:07,829 --> 00:14:05,920

missions

322

00:14:11,030 --> 00:14:07,839

of course skylab and then the the

323

00:14:13,670 --> 00:14:11,040

beginnings of the shuttle missions

324

00:14:15,910 --> 00:14:13,680

describe what it's like to be in space

325

00:14:17,509 --> 00:14:15,920

to be on one of these missions to be one

326

00:14:23,269 --> 00:14:17,519

of the very few people in the world to

327

00:14:27,990 --> 00:14:25,670

well i'll start off by saying uh it's a

328

00:14:30,389 --> 00:14:28,000

great honor and privilege and i know

329

00:14:33,910 --> 00:14:30,399

there are a whole bunch of people

330

00:14:35,110 --> 00:14:33,920

uh that would just love to be up here so

331

00:14:37,990 --> 00:14:35,120

because of that

332

00:14:40,310 --> 00:14:38,000

i cherish every single moment you know

333

00:14:42,550 --> 00:14:40,320

being in space being weightless is an

334

00:14:46,389 --> 00:14:42,560

adventure in and of itself everything in

335

00:14:48,629 --> 00:14:46,399

life is fun sleeping eating working

336

00:14:52,069 --> 00:14:48,639

joking around with your buddies

337

00:14:54,310 --> 00:14:52,079

i the space station now is huge you can

338

00:14:55,750 --> 00:14:54,320

get lost in it i make wrong turns now

339

00:14:56,870 --> 00:14:55,760

that we've got

340

00:14:58,710 --> 00:14:56,880

basically

341

00:15:01,590 --> 00:14:58,720

five different modules connected at one

342

00:15:03,910 --> 00:15:01,600

junction so uh it's a great honor and

343

00:15:06,230 --> 00:15:03,920

privilege to be in space and uh and i

344

00:15:09,269 --> 00:15:06,240

love it and i'm gonna let uh taz add to

345

00:15:12,870 --> 00:15:11,189

well you know as box said it's it's

346

00:15:14,550 --> 00:15:12,880

really an honor and you really feel that

347

00:15:15,910 --> 00:15:14,560

i mean it's a lot of work to prepare for

348

00:15:17,910 --> 00:15:15,920

everything that we do

349

00:15:19,829 --> 00:15:17,920

and uh you know for example the

350

00:15:21,910 --> 00:15:19,839

spacewalks we're doing on this mission i

351

00:15:24,069 --> 00:15:21,920

mean there's an incredible team you know

352

00:15:25,750 --> 00:15:24,079

behind everything we're doing up here

353

00:15:27,910 --> 00:15:25,760

and uh to be the one to get to do it

354

00:15:29,749 --> 00:15:27,920

it's an incredible privilege

355

00:15:31,749 --> 00:15:29,759

uh the one thing that you know we feel

356

00:15:34,310 --> 00:15:31,759

really uh good about doing is getting to

357

00:15:35,990 --> 00:15:34,320

share the the the time up here with with

358

00:15:38,389 --> 00:15:36,000

uh everyone else like we're doing right

359

00:15:40,470 --> 00:15:38,399

now because i mean this is all we can do

360

00:15:42,870 --> 00:15:40,480

i wish everybody could be up here

361

00:15:44,629 --> 00:15:42,880

someday that may be true but uh now what

362

00:15:46,150 --> 00:15:44,639

we can do is you know try to share our

363

00:15:48,069 --> 00:15:46,160

experience with everybody and we come

364

00:15:49,590 --> 00:15:48,079

back we can also you know

365

00:15:51,670 --> 00:15:49,600

travel around and do the same thing we

366

00:15:53,749 --> 00:15:51,680

really look forward to doing that

367

00:15:56,069 --> 00:15:53,759

commander johnson you guys mentioned the

368

00:15:58,150 --> 00:15:56,079

the spacewalking we know that on sunday

369

00:15:59,749 --> 00:15:58,160

one of the astronauts ran into a little

370

00:16:02,150 --> 00:15:59,759

bit of trouble while working on the

371

00:16:03,829 --> 00:16:02,160

solar power system for the the space

372

00:16:10,150 --> 00:16:03,839

station that had to have been a pretty

373

00:16:15,430 --> 00:16:13,030

yes that was uh drew feustel and i was

374

00:16:17,990 --> 00:16:15,440

talking to him about his uh metabolic

375

00:16:19,670 --> 00:16:18,000

rates and uh we believe that there was a

376

00:16:22,310 --> 00:16:19,680

pretty good spike

377

00:16:23,829 --> 00:16:22,320

when things weren't going quite as

378

00:16:26,550 --> 00:16:23,839

planned

379

00:16:28,710 --> 00:16:26,560

but that's how these guys are trained

380

00:16:30,310 --> 00:16:28,720

we've choreographed each of the four

381

00:16:33,030 --> 00:16:30,320

spacewalks

382

00:16:35,430 --> 00:16:33,040

in the neutral buoyancy lab at johnson

383

00:16:37,430 --> 00:16:35,440

space center in that huge pool

384

00:16:39,910 --> 00:16:37,440

uh that's about 40 feet deep that has

385

00:16:40,710 --> 00:16:39,920

one-to-one scaling of the space station

386

00:16:43,590 --> 00:16:40,720

um

387

00:16:46,230 --> 00:16:43,600

but these guys can handle anything

388

00:16:48,310 --> 00:16:46,240

taz went out on his very first spacewalk

389

00:16:49,990 --> 00:16:48,320

uh our our second spacewalk of the

390

00:16:55,910 --> 00:16:50,000

mission but his first spacewalk and i'd

391

00:17:00,629 --> 00:16:58,310

yeah that was amazing um that as box

392

00:17:02,389 --> 00:17:00,639

said that was my first spacewalk and you

393

00:17:04,630 --> 00:17:02,399

know that's a dream come true too i look

394

00:17:06,549 --> 00:17:04,640

forward to that my whole life and um and

395

00:17:08,309 --> 00:17:06,559

uh just an amazing thing to be doing you

396

00:17:09,990 --> 00:17:08,319

know it it's you know it's it's right

397

00:17:11,350 --> 00:17:10,000

out of science fiction but you're here

398

00:17:13,990 --> 00:17:11,360

you are and it's real i mean this is

399

00:17:15,189 --> 00:17:14,000

something that humans can actually do

400

00:17:17,590 --> 00:17:15,199

and uh

401
00:17:19,270 --> 00:17:17,600
um you know it's it's amazing to be you

402
00:17:21,510 --> 00:17:19,280
know holding onto a handrail and looking

403
00:17:23,990 --> 00:17:21,520
down at your feet and there's the earth

404
00:17:26,390 --> 00:17:24,000
220 miles below beautiful and and

405
00:17:29,029 --> 00:17:26,400
spinning by but we're very busy we have

406
00:17:31,270 --> 00:17:29,039
a very uh as box said we have a very

407
00:17:33,350 --> 00:17:31,280
detailed uh plan of what we're doing out

408
00:17:35,350 --> 00:17:33,360
there and we're very focused on it and

409
00:17:37,270 --> 00:17:35,360
um you know we're kind of racing time to

410
00:17:39,270 --> 00:17:37,280
make sure we get everything done

411
00:17:40,950 --> 00:17:39,280
so uh so far it's gone really really

412
00:17:43,510 --> 00:17:40,960
well even the event that you mentioned

413
00:17:45,110 --> 00:17:43,520

um i think you know i know drew and mike

414

00:17:47,190 --> 00:17:45,120

were out on that spacewalk and i was

415

00:17:50,390 --> 00:17:47,200

right right here choreographing zero for

416

00:17:52,549 --> 00:17:50,400

them and um you know we were removing

417

00:17:54,549 --> 00:17:52,559

panels in order to lubricate one of the

418

00:17:56,950 --> 00:17:54,559

solar alpha solar rotary joints for the

419

00:17:58,789 --> 00:17:56,960

solar panels and uh the bolts were not

420

00:18:00,870 --> 00:17:58,799

behaving as expected and they did a

421

00:18:02,789 --> 00:18:00,880

great job handling all that and really

422

00:18:04,310 --> 00:18:02,799

we got everything done uh you know and

423

00:18:05,990 --> 00:18:04,320

we brought in a panel that you know had

424

00:18:07,669 --> 00:18:06,000

some bad bolts but it worked out just

425

00:18:09,590 --> 00:18:07,679

fine

426
00:18:11,190 --> 00:18:09,600
all right well gentlemen commander greg

427
00:18:12,870 --> 00:18:11,200
johnson mission specialist greg

428
00:18:14,710 --> 00:18:12,880
shamatoff unless there's any chance you

429
00:18:19,909 --> 00:18:14,720
can beam me up i guess we're finished

430
00:18:24,710 --> 00:18:21,510
well we'd love to share this with you

431
00:18:27,750 --> 00:18:24,720
this is a an outstanding uh spaceship

432
00:18:28,789 --> 00:18:27,760
we're really honored to be on her last

433
00:18:31,430 --> 00:18:28,799
voyage

434
00:18:33,270 --> 00:18:31,440
25th mission of endeavor and then the

435
00:18:35,029 --> 00:18:33,280
space shuttle will retire

436
00:18:38,710 --> 00:18:35,039
we have one more space shuttle mission

437
00:18:40,390 --> 00:18:38,720
after this sts-135 and everybody be sure

438
00:18:48,630 --> 00:18:40,400

to watch that launch if you haven't seen

439

00:18:57,990 --> 00:18:51,029

endeavor this is houston acr thank you

440

00:19:01,669 --> 00:19:00,150

thank you california endeavor we are now