



1
00:00:07,349 --> 00:00:04,470
good afternoon thank you for joining us

2
00:00:08,870 --> 00:00:07,359
for today's sts-134 crew news conference

3
00:00:11,270 --> 00:00:08,880
we'll begin with crew introductions and

4
00:00:12,549 --> 00:00:11,280
then take questions mark kelly a captain

5
00:00:13,990 --> 00:00:12,559
in the u.s navy will serve as a

6
00:00:15,990 --> 00:00:14,000
commander for this final mission of

7
00:00:18,710 --> 00:00:16,000
space shuttle endeavor mark was selected

8
00:00:20,630 --> 00:00:18,720
to join the astronaut corps in 1996 he

9
00:00:23,550 --> 00:00:20,640
has flown on three prior space shuttle

10
00:00:28,230 --> 00:00:23,560
missions sts-108 in 2001

11
00:00:29,429 --> 00:00:28,240
sts-121 in 2006 and sts-124 in 2008.

12
00:00:31,830 --> 00:00:29,439
we'll now turn it over to mark to

13
00:00:33,590 --> 00:00:31,840

introduce his crew all right well thank

14

00:00:36,150 --> 00:00:33,600

you for coming here today i'm going to

15

00:00:39,030 --> 00:00:36,160

introduce my crew in a second

16

00:00:41,830 --> 00:00:39,040

uh it's great to be here with them today

17

00:00:43,910 --> 00:00:41,840

uh they're very talented group and i'm

18

00:00:46,470 --> 00:00:43,920

happy to have them on this crew with me

19

00:00:47,910 --> 00:00:46,480

it's a bittersweet privilege to be

20

00:00:50,790 --> 00:00:47,920

taking endeavor

21

00:00:53,510 --> 00:00:50,800

on its last flight delivering the last

22

00:00:55,430 --> 00:00:53,520

major piece to the iss

23

00:00:58,470 --> 00:00:55,440

we'll talk more about that mission and

24

00:01:01,430 --> 00:00:58,480

the payloads shortly but i want to first

25

00:01:04,630 --> 00:01:01,440

say a couple words about the recovery of

26
00:01:06,950 --> 00:01:04,640
my wife congresswoman gabrielle giffords

27
00:01:09,510 --> 00:01:06,960
as her doctors described in her last

28
00:01:11,350 --> 00:01:09,520
press conference on march 11 she's doing

29
00:01:13,429 --> 00:01:11,360
remarkably well

30
00:01:15,590 --> 00:01:13,439
she's improving every day

31
00:01:18,469 --> 00:01:15,600
and in the realm of brain injuries that

32
00:01:20,230 --> 00:01:18,479
is very significant and pretty rare

33
00:01:21,109 --> 00:01:20,240
she's starting to walk

34
00:01:23,510 --> 00:01:21,119
talk

35
00:01:26,550 --> 00:01:23,520
more more every day and she's starting

36
00:01:27,590 --> 00:01:26,560
to process some of the tragedy

37
00:01:29,749 --> 00:01:27,600
that

38
00:01:31,109 --> 00:01:29,759

we all went through in january she's

39

00:01:33,670 --> 00:01:31,119

going through that

40

00:01:35,510 --> 00:01:33,680

as we speak

41

00:01:36,710 --> 00:01:35,520

despite that she remains in a very good

42

00:01:39,270 --> 00:01:36,720

mood

43

00:01:41,749 --> 00:01:39,280

she spends most of her day in therapy

44

00:01:42,950 --> 00:01:41,759

enjoys brief visits from friends and

45

00:01:44,550 --> 00:01:42,960

colleagues

46

00:01:45,830 --> 00:01:44,560

she was really happy to see my brother

47

00:01:48,389 --> 00:01:45,840

last week

48

00:01:50,870 --> 00:01:48,399

after he returned from space

49

00:01:52,550 --> 00:01:50,880

she gets staff briefings from her staff

50

00:01:54,710 --> 00:01:52,560

when they're in town on what's going on

51
00:01:57,590 --> 00:01:54,720
with her office in the district and

52
00:01:59,109 --> 00:01:57,600
what's going on in congress

53
00:02:01,190 --> 00:01:59,119
i see her every morning before i go to

54
00:02:03,510 --> 00:02:01,200
work and when i come home from work at

55
00:02:06,230 --> 00:02:03,520
the end of at the end of my day

56
00:02:08,550 --> 00:02:06,240
i've said uh on a few occasions that i'd

57
00:02:10,469 --> 00:02:08,560
like her to attend the launch

58
00:02:12,630 --> 00:02:10,479
she wants to attend she's been looking

59
00:02:14,229 --> 00:02:12,640
forward to this for a long time as

60
00:02:18,550 --> 00:02:14,239
nasa's

61
00:02:20,390 --> 00:02:18,560
congress you know she was really looking

62
00:02:22,229 --> 00:02:20,400
forward to having the opportunity to be

63
00:02:23,830 --> 00:02:22,239

there and i think there's a pretty good

64

00:02:26,390 --> 00:02:23,840

chance that's going to happen

65

00:02:27,750 --> 00:02:26,400

we still don't know for sure and i'm

66

00:02:31,670 --> 00:02:27,760

just awaiting

67

00:02:37,509 --> 00:02:35,270

today i'd like to talk about sts-134

68

00:02:39,270 --> 00:02:37,519

it's an important mission

69

00:02:41,670 --> 00:02:39,280

we've been training for this flight for

70

00:02:43,270 --> 00:02:41,680

over 18 months

71

00:02:45,430 --> 00:02:43,280

i know you guys have a lot of questions

72

00:02:47,110 --> 00:02:45,440

about it i'd like

73

00:02:48,949 --> 00:02:47,120

you to respect the fact that this is

74

00:02:51,750 --> 00:02:48,959

about sts-134

75

00:02:54,470 --> 00:02:51,760

and it's not about my wife's recovery

76

00:02:56,550 --> 00:02:54,480

i'll be happy to take those questions

77

00:02:58,149 --> 00:02:56,560

about my anything in my personal life

78

00:03:00,710 --> 00:02:58,159

i'll be happy to talk about that but

79

00:03:03,030 --> 00:03:00,720

that's at a later time and we could

80

00:03:05,670 --> 00:03:03,040

coordinate that through

81

00:03:06,550 --> 00:03:05,680

through gabrielle's office

82

00:03:08,470 --> 00:03:06,560

so

83

00:03:10,149 --> 00:03:08,480

before i continue i want to tell you a

84

00:03:11,910 --> 00:03:10,159

little bit about my crew

85

00:03:14,390 --> 00:03:11,920

sitting to my left

86

00:03:16,509 --> 00:03:14,400

is greg johnson

87

00:03:19,430 --> 00:03:16,519

greg strapped me in for my first flight

88

00:03:20,869 --> 00:03:19,440

sts-108 a long time ago he's a retired

89

00:03:24,550 --> 00:03:20,879

colonel in the u.s air force he's our

90

00:03:26,309 --> 00:03:24,560

pilot he was a pilot on sts-123

91

00:03:28,869 --> 00:03:26,319

he's a graduate of the u.s air force

92

00:03:31,509 --> 00:03:28,879

academy columbia university and the

93

00:03:33,910 --> 00:03:31,519

university of texas

94

00:03:36,630 --> 00:03:33,920

in the air force he was an f-15e strike

95

00:03:39,190 --> 00:03:36,640

eagle pilot he flew in operation desert

96

00:03:41,270 --> 00:03:39,200

storm and southern watch

97

00:03:44,070 --> 00:03:41,280

um i probably passed him in the middle

98

00:03:47,190 --> 00:03:44,080

of the night over iraq a long time ago

99

00:03:49,910 --> 00:03:47,200

he's also an air force test pilot

100

00:03:51,670 --> 00:03:49,920

to greg's left is mike fink

101

00:03:55,429 --> 00:03:51,680

mike is a colonel in the u.s air force

102

00:03:57,750 --> 00:03:55,439

he's a graduate of both mit and stanford

103

00:04:00,630 --> 00:03:57,760

he flew on expedition 9 and was the

104

00:04:02,630 --> 00:04:00,640

commander of expedition 18. he's done

105

00:04:04,630 --> 00:04:02,640

six russian spacewalks

106

00:04:06,070 --> 00:04:04,640

he's uh one of our three spacewalkers

107

00:04:09,429 --> 00:04:06,080

for this mission

108

00:04:11,750 --> 00:04:09,439

uh on flight day 12 of our flight mike

109

00:04:13,509 --> 00:04:11,760

is going to surpass peggy whitson as

110

00:04:14,630 --> 00:04:13,519

being the american with the most time

111

00:04:17,349 --> 00:04:14,640

and space

112

00:04:18,949 --> 00:04:17,359

it'll be somewhere north of uh 380 days

113

00:04:20,870 --> 00:04:18,959

and that's going to happen on flight day

114

00:04:23,030 --> 00:04:20,880

12.

115

00:04:25,350 --> 00:04:23,040

next to mike is roberto vittori he's a

116

00:04:27,430 --> 00:04:25,360

colonel in the italian air force he's an

117

00:04:30,469 --> 00:04:27,440

isa astronaut but he's on a mission for

118

00:04:32,870 --> 00:04:30,479

the italian space agency he's a graduate

119

00:04:35,350 --> 00:04:32,880

of the italian air force academy

120

00:04:37,670 --> 00:04:35,360

uh the university of naples and the

121

00:04:39,590 --> 00:04:37,680

university of perugia

122

00:04:41,670 --> 00:04:39,600

he's also a graduate of the us naval

123

00:04:44,390 --> 00:04:41,680

test pilot school and i first met

124

00:04:46,950 --> 00:04:44,400

roberto when we were both test pilots in

125

00:04:49,189 --> 00:04:46,960

patuxent river maryland

126

00:04:51,030 --> 00:04:49,199

roberto's flown uh two flights on the

127

00:04:52,390 --> 00:04:51,040

soyuz up to the space station so this

128

00:04:54,150 --> 00:04:52,400

will be his first flight on the space

129

00:04:58,710 --> 00:04:54,160

shuttle

130

00:05:01,029 --> 00:04:58,720

uh next to mike is drew feustel uh

131

00:05:02,310 --> 00:05:01,039

drew was our lead space walker for this

132

00:05:03,390 --> 00:05:02,320

mission

133

00:05:06,230 --> 00:05:03,400

he flew on

134

00:05:08,150 --> 00:05:06,240

sts-125 doing multiple spacewalks for

135

00:05:09,350 --> 00:05:08,160

the last repair of the hubble space

136

00:05:11,909 --> 00:05:09,360

telescope

137

00:05:14,550 --> 00:05:11,919

drew is a graduate of purdue university

138

00:05:16,870 --> 00:05:14,560

and also of queens university in ontario

139

00:05:18,469 --> 00:05:16,880

and has a phd in geology

140

00:05:19,909 --> 00:05:18,479

before he was

141

00:05:22,230 --> 00:05:19,919

an astronaut

142

00:05:25,270 --> 00:05:22,240

he worked for exxon exxon mobil as a

143

00:05:32,550 --> 00:05:28,629

ms4 next to drew is greg chamitoff

144

00:05:34,390 --> 00:05:32,560

greg and i flew together in sts-124

145

00:05:36,950 --> 00:05:34,400

where i closed the hatch on him and

146

00:05:40,629 --> 00:05:36,960

nobody showed up for six months

147

00:05:42,550 --> 00:05:40,639

until he was picked up on uh sts-126

148

00:05:44,950 --> 00:05:42,560

so he's flown

149

00:05:47,749 --> 00:05:44,960

a six-month mission to the iss he's a

150

00:05:49,430 --> 00:05:47,759

graduate of both caltech and mit

151
00:05:50,790 --> 00:05:49,440
has a phd in aeronautics and

152
00:05:52,469 --> 00:05:50,800
astronautics

153
00:05:54,230 --> 00:05:52,479
and i'm looking forward to getting the

154
00:05:56,710 --> 00:05:54,240
opportunity to fly with greg

155
00:05:59,710 --> 00:05:56,720
again he'll be doing a couple space

156
00:06:01,830 --> 00:05:59,720
walks as well on this mission

157
00:06:03,590 --> 00:06:01,840
sts-134 we're bringing up the alpha

158
00:06:04,629 --> 00:06:03,600
magnetic spectrometer

159
00:06:06,870 --> 00:06:04,639
it's a

160
00:06:08,870 --> 00:06:06,880
pretty sophisticated payload

161
00:06:10,390 --> 00:06:08,880
it's been in development for 16 years

162
00:06:12,469 --> 00:06:10,400
it's going to look for any matter dark

163
00:06:14,790 --> 00:06:12,479

matter dark energy

164

00:06:16,950 --> 00:06:14,800

it's a collaboration from 16 different

165

00:06:18,629 --> 00:06:16,960

countries with 600 scientists so we're

166

00:06:20,230 --> 00:06:18,639

pretty excited about

167

00:06:23,510 --> 00:06:20,240

what this means for science aboard the

168

00:06:24,309 --> 00:06:23,520

iss and and for you know real science on

169

00:06:28,629 --> 00:06:24,319

the

170

00:06:31,670 --> 00:06:28,639

we're also going to deliver a platform

171

00:06:34,309 --> 00:06:31,680

of critical spare parts uh called elc3

172

00:06:35,830 --> 00:06:34,319

it's got um a bunch of components that

173

00:06:37,990 --> 00:06:35,840

can be used on the outside of the space

174

00:06:40,790 --> 00:06:38,000

station if we have future failures so it

175

00:06:43,189 --> 00:06:40,800

puts us in a good position for life on

176

00:06:44,670 --> 00:06:43,199

station after uh after the last space

177

00:06:47,990 --> 00:06:44,680

shuttle flight

178

00:06:50,550 --> 00:06:48,000

sts-134 will be the final

179

00:06:52,070 --> 00:06:50,560

space shuttle eva mission

180

00:06:54,230 --> 00:06:52,080

so it's going to be the final time that

181

00:06:56,550 --> 00:06:54,240

space shuttle crew members do

182

00:06:57,749 --> 00:06:56,560

spacewalks

183

00:07:00,550 --> 00:06:57,759

so on this flight we're going to be

184

00:07:02,150 --> 00:07:00,560

doing four of those it's also the 25th

185

00:07:03,909 --> 00:07:02,160

and final flight of space shuttle

186

00:07:06,550 --> 00:07:03,919

endeavour

187

00:07:08,469 --> 00:07:06,560

after we add ams and elc3 i think the

188

00:07:11,189 --> 00:07:08,479

space station is going to be

189

00:07:11,990 --> 00:07:11,199

about 1 million pounds in mass so we

190

00:07:14,150 --> 00:07:12,000

have a

191

00:07:16,550 --> 00:07:14,160

pretty significant capability on orbit

192

00:07:18,790 --> 00:07:16,560

that we're looking forward to using for

193

00:07:20,629 --> 00:07:18,800

you know 10 15 years to come hopefully

194

00:07:22,790 --> 00:07:20,639

maybe even longer than that

195

00:07:24,309 --> 00:07:22,800

so now i'd like to open it up to uh

196

00:07:26,390 --> 00:07:24,319

questions i'm going to turn it back over

197

00:07:28,309 --> 00:07:26,400

to nicole for that thank you mark as a

198

00:07:30,390 --> 00:07:28,319

reminder this briefing is to focus on

199

00:07:31,749 --> 00:07:30,400

the 134 mission as we have a limited

200

00:07:33,350 --> 00:07:31,759

time with the crew you'll be limited to

201
00:07:35,029 --> 00:07:33,360
one question each and please keep them

202
00:07:36,390 --> 00:07:35,039
focused on the mission we will start

203
00:07:37,909 --> 00:07:36,400
with questions here at the johnson space

204
00:07:39,909 --> 00:07:37,919
center and if time permits we'll take

205
00:07:41,350 --> 00:07:39,919
questions from kennedy space center and

206
00:07:42,950 --> 00:07:41,360
headquarters and we'll start at this

207
00:07:45,990 --> 00:07:42,960
side with

208
00:07:47,510 --> 00:07:46,000
bill horowitz cbs for the commander uh

209
00:07:48,629 --> 00:07:47,520
the last time we saw you was on february

210
00:07:50,230 --> 00:07:48,639
4th when you said you were going to come

211
00:07:51,110 --> 00:07:50,240
back in command can you give us a sense

212
00:07:52,869 --> 00:07:51,120
of

213
00:07:54,869 --> 00:07:52,879

how the training is gone after taking a

214

00:07:56,070 --> 00:07:54,879

bit of a layoff and i need to ask one

215

00:07:57,430 --> 00:07:56,080

second question which is kind of a

216

00:07:59,189 --> 00:07:57,440

follow-up from your introductory marks

217

00:08:00,869 --> 00:07:59,199

you were saying that you'd be happy to

218

00:08:02,390 --> 00:08:00,879

chat later down the road but to go

219

00:08:04,790 --> 00:08:02,400

through the representative's office is

220

00:08:06,629 --> 00:08:04,800

that is that the way that works as

221

00:08:08,070 --> 00:08:06,639

opposed to going through nasa to arrange

222

00:08:11,029 --> 00:08:08,080

interviews yeah i think for something

223

00:08:12,950 --> 00:08:11,039

that's regard to my personal life which

224

00:08:15,029 --> 00:08:12,960

i think most people want to focus

225

00:08:16,309 --> 00:08:15,039

on on my wife in that case i think it's

226

00:08:18,230 --> 00:08:16,319

appropriate to probably go through her

227

00:08:20,070 --> 00:08:18,240

office because it concerns her

228

00:08:22,150 --> 00:08:20,080

um the training

229

00:08:24,629 --> 00:08:22,160

when i took about three weeks to a month

230

00:08:25,990 --> 00:08:24,639

off for the initial part of her recovery

231

00:08:27,589 --> 00:08:26,000

it was actually a pretty good time for

232

00:08:28,790 --> 00:08:27,599

that happen because we recently had a

233

00:08:31,189 --> 00:08:28,800

launch slip

234

00:08:33,430 --> 00:08:31,199

so when i got back to work our schedule

235

00:08:35,509 --> 00:08:33,440

wasn't really you know jammed up in any

236

00:08:38,230 --> 00:08:35,519

way it's been a reasonable

237

00:08:39,909 --> 00:08:38,240

training flow we've completed everything

238

00:08:42,949 --> 00:08:39,919

ahead of us we have terminal countdown

239

00:08:45,430 --> 00:08:42,959

test a post insertion sim two ascent one

240

00:08:47,350 --> 00:08:45,440

entry sims some stas a couple more mbl

241

00:08:49,269 --> 00:08:47,360

runs and then we'll be heading down for

242

00:08:51,509 --> 00:08:49,279

uh for launch

243

00:08:53,350 --> 00:08:51,519

all right thank you over here mark this

244

00:08:54,949 --> 00:08:53,360

is for you greg dobbs with net

245

00:08:57,269 --> 00:08:54,959

television

246

00:08:59,190 --> 00:08:57,279

since there was a time when

247

00:09:01,750 --> 00:08:59,200

endeavour was going to go up while your

248

00:09:04,389 --> 00:09:01,760

brother was on the crew on station can

249

00:09:06,150 --> 00:09:04,399

you now reveal what pranks what tricks

250

00:09:08,150 --> 00:09:06,160

the two of you as identical twins were

251
00:09:10,790 --> 00:09:08,160
going to play on everybody else that's a

252
00:09:12,710 --> 00:09:10,800
that's a good question you know we

253
00:09:14,070 --> 00:09:12,720
we've been asked to do this switch

254
00:09:16,150 --> 00:09:14,080
places thing since we were in

255
00:09:18,550 --> 00:09:16,160
kindergarten and we've always resisted

256
00:09:20,550 --> 00:09:18,560
it so we actually did have something set

257
00:09:23,110 --> 00:09:20,560
up where when we were closing the hatch

258
00:09:25,110 --> 00:09:23,120
and this would upset mcc i think a

259
00:09:26,949 --> 00:09:25,120
little bit unless they were on to us but

260
00:09:29,430 --> 00:09:26,959
my plan was to change shirts shaved my

261
00:09:31,350 --> 00:09:29,440
mustache he had a fake one

262
00:09:32,870 --> 00:09:31,360
i'd get back into the orbiter they think

263
00:09:34,550 --> 00:09:32,880

they they you know somebody would have

264

00:09:37,990 --> 00:09:34,560

thought that was him and i was on the on

265

00:09:41,990 --> 00:09:38,000

the iss so that was the plan

266

00:09:46,710 --> 00:09:45,030

all right over here uh gina cinceri abc

267

00:09:48,949 --> 00:09:46,720

news i'm going to throw this one to mike

268

00:09:50,710 --> 00:09:48,959

fink we got a very thorough briefing

269

00:09:53,030 --> 00:09:50,720

from dr ting

270

00:09:55,030 --> 00:09:53,040

about alpha magnetic spectrometer i'm

271

00:09:57,590 --> 00:09:55,040

looking for a civilian definition if

272

00:09:58,870 --> 00:09:57,600

you're willing to give that to me

273

00:10:00,389 --> 00:09:58,880

absolutely

274

00:10:02,710 --> 00:10:00,399

the

275

00:10:05,190 --> 00:10:02,720

universe as we know it we a few years

276

00:10:07,910 --> 00:10:05,200

ago we thought we knew everything and or

277

00:10:10,470 --> 00:10:07,920

mostly everything and uh we were just uh

278

00:10:12,310 --> 00:10:10,480

trying to trying to get uh a little bit

279

00:10:14,230 --> 00:10:12,320

better acquainted and uh with the

280

00:10:15,910 --> 00:10:14,240

universe and maybe you know nail down a

281

00:10:19,190 --> 00:10:15,920

few parameters uh the hubble space

282

00:10:22,230 --> 00:10:19,200

telescope help us understand the age of

283

00:10:24,630 --> 00:10:22,240

the universe but it also opened up a new

284

00:10:25,829 --> 00:10:24,640

pandora's box it turns out that 85

285

00:10:27,350 --> 00:10:25,839

percent of the universe we don't

286

00:10:30,949 --> 00:10:27,360

understand we don't understand why

287

00:10:33,110 --> 00:10:30,959

galaxies just don't fly apart and now

288

00:10:35,269 --> 00:10:33,120

you know we're all the physicists are

289

00:10:37,509 --> 00:10:35,279

really scratching their heads and we

290

00:10:40,069 --> 00:10:37,519

have the really great opportunity and dr

291

00:10:42,550 --> 00:10:40,079

ting foresaw this and has worked along

292

00:10:43,990 --> 00:10:42,560

with his team for a long long time and

293

00:10:45,670 --> 00:10:44,000

you know making an international

294

00:10:47,670 --> 00:10:45,680

coalition to go out and find out what's

295

00:10:49,190 --> 00:10:47,680

really happening out there and we're the

296

00:10:52,389 --> 00:10:49,200

delivery guys we're going to take really

297

00:10:53,590 --> 00:10:52,399

good care of that 1 billion dollar

298

00:10:56,550 --> 00:10:53,600

plus

299

00:10:57,670 --> 00:10:56,560

maybe billion euros kind of a really

300

00:10:59,990 --> 00:10:57,680

precious

301

00:11:01,430 --> 00:11:00,000

commodity this alpha magnetic

302

00:11:02,710 --> 00:11:01,440

spectrometer and it's going to look out

303

00:11:04,870 --> 00:11:02,720

there it's just going to be facing out

304

00:11:07,750 --> 00:11:04,880

into the heavens and seeing what it can

305

00:11:09,509 --> 00:11:07,760

see some of the world's most advanced uh

306

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

particle detectors the ones that they

307

00:11:15,509 --> 00:11:11,760

developed at cern there they were made

308

00:11:16,949 --> 00:11:15,519

space flight ready by a a great team and

309

00:11:18,630 --> 00:11:16,959

we're just looking forward to seeing

310

00:11:22,230 --> 00:11:18,640

what it what it shows what the future

311

00:11:23,910 --> 00:11:22,240

holds what our universe is really about

312

00:11:26,230 --> 00:11:23,920

thank you over here marcia done

313

00:11:27,750 --> 00:11:26,240

associated press for the commander

314

00:11:29,990 --> 00:11:27,760

have you found it more difficult than

315

00:11:31,750 --> 00:11:30,000

you might have envisioned to focus on

316

00:11:32,710 --> 00:11:31,760

your mission this close to flight when

317

00:11:34,470 --> 00:11:32,720

you're

318

00:11:35,910 --> 00:11:34,480

trying best as you can to split your

319

00:11:38,550 --> 00:11:35,920

time between

320

00:11:40,230 --> 00:11:38,560

work and and your family

321

00:11:41,990 --> 00:11:40,240

i'm not splitting my time so i'm here

322

00:11:44,150 --> 00:11:42,000

during the day or whenever you know i'm

323

00:11:46,310 --> 00:11:44,160

scheduled for training but uh no it's

324

00:11:47,670 --> 00:11:46,320

not not difficult to focus i've

325

00:11:50,310 --> 00:11:47,680

been through this you know it's my

326

00:11:51,590 --> 00:11:50,320

fourth flight so i'm spending as much

327

00:11:53,350 --> 00:11:51,600

time as i would

328

00:11:55,509 --> 00:11:53,360

focused on the mission

329

00:11:58,710 --> 00:11:55,519

as if this never even happened to to my

330

00:12:02,629 --> 00:12:00,629

shanleyan from nbc news on that same

331

00:12:03,910 --> 00:12:02,639

note you've described being by your

332

00:12:06,629 --> 00:12:03,920

wife's side every day during her

333

00:12:08,949 --> 00:12:06,639

recovery so during this mission how will

334

00:12:10,710 --> 00:12:08,959

it be for you to be apart from her for

335

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

this period of time

336

00:12:15,110 --> 00:12:12,480

it's always difficult you know from

337

00:12:17,350 --> 00:12:15,120

being i mean i think i speak for all of

338

00:12:19,990 --> 00:12:17,360

us that it's difficult to be away from

339

00:12:21,350 --> 00:12:20,000

home and away from your spouses but

340

00:12:23,110 --> 00:12:21,360

there are people in the military that

341

00:12:25,030 --> 00:12:23,120

you know deploy for

342

00:12:27,110 --> 00:12:25,040

long much longer periods of time and

343

00:12:28,310 --> 00:12:27,120

expedition crew members like

344

00:12:30,550 --> 00:12:28,320

like mike

345

00:12:32,470 --> 00:12:30,560

and greg who have spent you know mike

346

00:12:36,230 --> 00:12:32,480

has spent over a year in space in greg

347

00:12:37,750 --> 00:12:36,240

six months so unique situation it is

348

00:12:40,069 --> 00:12:37,760

okay next

349

00:12:42,230 --> 00:12:40,079

hi clara moskowitz with space.com and

350

00:12:44,069 --> 00:12:42,240

for the commander um can you talk about

351

00:12:45,829 --> 00:12:44,079

the legacy of endeavor

352

00:12:47,590 --> 00:12:45,839

during its last mission as compared to

353

00:12:48,710 --> 00:12:47,600

the other orbiters

354

00:12:49,670 --> 00:12:48,720

well

355

00:12:51,829 --> 00:12:49,680

you know i

356

00:12:54,069 --> 00:12:51,839

who else has flown on endeavor here

357

00:12:56,389 --> 00:12:54,079

boxes flown on endeavor

358

00:12:58,629 --> 00:12:56,399

taz has flown so three three out of six

359

00:13:01,110 --> 00:12:58,639

of us have flown on endeavor so it's you

360

00:13:02,949 --> 00:13:01,120

know it's pretty close to to you know my

361

00:13:04,389 --> 00:13:02,959

heart as it's the first space shuttle i

362

00:13:06,389 --> 00:13:04,399

flew on

363

00:13:07,829 --> 00:13:06,399

in 2001 so

364

00:13:09,269 --> 00:13:07,839

i'm glad it's

365

00:13:11,509 --> 00:13:09,279

you know the the one i'm going to fly in

366

00:13:14,550 --> 00:13:11,519

last it's the baby of the fleet

367

00:13:16,389 --> 00:13:14,560

it's uh coming up on 19 years in service

368

00:13:19,670 --> 00:13:16,399

the 25th flight

369

00:13:21,509 --> 00:13:19,680

25 is a good round number to end on

370

00:13:24,710 --> 00:13:21,519

hi mike cronin from the daily this is

371

00:13:26,230 --> 00:13:24,720

for uh commander and mike fink uh how

372

00:13:29,190 --> 00:13:26,240

does it feel to

373

00:13:31,350 --> 00:13:29,200

be the commander of the mission where

374

00:13:32,870 --> 00:13:31,360

one of your crew members will set the

375

00:13:33,670 --> 00:13:32,880

american record

376

00:13:38,550 --> 00:13:33,680

for

377

00:13:40,310 --> 00:13:38,560

that mean to you to be able to do this

378

00:13:42,389 --> 00:13:40,320

with this group of people

379

00:13:44,629 --> 00:13:42,399

well for me it's great to to do this

380

00:13:46,150 --> 00:13:44,639

with mike we're classmates

381

00:13:48,870 --> 00:13:46,160

astronaut classmates you know coming

382

00:13:51,350 --> 00:13:48,880

here in 1996 so i'm happy to be on the

383

00:13:52,949 --> 00:13:51,360

flight that he becomes the u.s record

384

00:13:55,189 --> 00:13:52,959

holder mike

385

00:13:57,030 --> 00:13:55,199

yeah it was funny because uh i

386

00:13:58,470 --> 00:13:57,040

anticipated this question a little bit

387

00:14:01,110 --> 00:13:58,480

but i hadn't really thought about it too

388

00:14:03,110 --> 00:14:01,120

much i was thinking more of you know my

389

00:14:05,509 --> 00:14:03,120

friends here this first time that drew's

390

00:14:08,310 --> 00:14:05,519

gonna see the space station after he

391

00:14:11,829 --> 00:14:08,320

went up on a hubble space mission and uh

392

00:14:15,189 --> 00:14:11,839

and uh greg shamatoff 201st guy to do a

393

00:14:16,629 --> 00:14:15,199

spacewalk and and roberto here i mean

394

00:14:18,389 --> 00:14:16,639

he's been on the space station but this

395

00:14:21,990 --> 00:14:18,399

is our first shuttle flight even though

396

00:14:24,310 --> 00:14:22,000

we both flew twice on soyuz and uh my my

397

00:14:26,069 --> 00:14:24,320

great test pilot friend here box and and

398

00:14:27,910 --> 00:14:26,079

uh all the great things that he brings

399

00:14:29,910 --> 00:14:27,920

to our team and so that's really what

400

00:14:31,590 --> 00:14:29,920

i've i've thought about more than uh

401
00:14:33,030 --> 00:14:31,600
time because you know this record it's

402
00:14:35,750 --> 00:14:33,040
going to go away and the russians they

403
00:14:38,629 --> 00:14:35,760
have uh you know sergey kriekov 803 days

404
00:14:40,629 --> 00:14:38,639
in space so 380 is not uh it's not even

405
00:14:41,990 --> 00:14:40,639
halfway there yet

406
00:14:43,350 --> 00:14:42,000
i want to say that it's good that people

407
00:14:45,110 --> 00:14:43,360
brought this up because now we can think

408
00:14:49,670 --> 00:14:45,120
of some way to commemorate it

409
00:14:53,350 --> 00:14:51,910
you know actually though spanky uh will

410
00:14:56,870 --> 00:14:53,360
have spent more time in space than

411
00:15:00,230 --> 00:14:56,880
endeavour did in her entire career so

412
00:15:02,069 --> 00:15:00,240
more than the rest of us put together

413
00:15:03,910 --> 00:15:02,079

all right next question eric yeah eric

414

00:15:05,509 --> 00:15:03,920

berger with the houston chronicle not

415

00:15:06,710 --> 00:15:05,519

sure which of the

416

00:15:09,030 --> 00:15:06,720

i know there's four of you that are

417

00:15:11,350 --> 00:15:09,040

dealing with the ams uh sort of

418

00:15:13,910 --> 00:15:11,360

installation i think on flight day four

419

00:15:16,790 --> 00:15:13,920

one of you maybe could talk about

420

00:15:18,629 --> 00:15:16,800

the challenge of moving this two billion

421

00:15:21,350 --> 00:15:18,639

dollar instrument that has all these

422

00:15:23,030 --> 00:15:21,360

detectors in it is fragile and it's been

423

00:15:24,870 --> 00:15:23,040

17 years in the making and ensuring you

424

00:15:26,389 --> 00:15:24,880

get it what is sort of the trickiest

425

00:15:28,230 --> 00:15:26,399

part of that and sort of is it with

426

00:15:30,629 --> 00:15:28,240

trepidation that you approach that that

427

00:15:32,710 --> 00:15:30,639

task box

428

00:15:33,990 --> 00:15:32,720

we uh practiced the maneuver yesterday

429

00:15:36,790 --> 00:15:34,000

actually

430

00:15:38,710 --> 00:15:36,800

two guys in the shuttle will

431

00:15:40,790 --> 00:15:38,720

unbirth ams

432

00:15:42,870 --> 00:15:40,800

and then bring it to a kind of

433

00:15:45,350 --> 00:15:42,880

intermediate handoff position at which

434

00:15:47,670 --> 00:15:45,360

time two of us uh

435

00:15:49,110 --> 00:15:47,680

operating the station arm will grab it

436

00:15:50,069 --> 00:15:49,120

and install it on the on the space

437

00:15:52,310 --> 00:15:50,079

station

438

00:15:54,949 --> 00:15:52,320

um it's gonna be a very slow maneuver

439

00:15:56,310 --> 00:15:54,959

it's a very carefully uh choreographed

440

00:15:59,110 --> 00:15:56,320

maneuver

441

00:16:00,389 --> 00:15:59,120

all four of us are working all of it

442

00:16:01,350 --> 00:16:00,399

so

443

00:16:02,629 --> 00:16:01,360

when

444

00:16:05,269 --> 00:16:02,639

roberto

445

00:16:07,910 --> 00:16:05,279

uh is he's he's at the helm uh bringing

446

00:16:08,790 --> 00:16:07,920

it out of the shuttle's payload bay

447

00:16:11,430 --> 00:16:08,800

and

448

00:16:13,829 --> 00:16:11,440

we'll be using our station cameras to

449

00:16:15,829 --> 00:16:13,839

help him out to do that task and then

450

00:16:18,230 --> 00:16:15,839

likewise when taz and i are working on

451
00:16:20,790 --> 00:16:18,240
the space station arms side uh we'll be

452
00:16:23,110 --> 00:16:20,800
using their cameras to to make it work

453
00:16:24,150 --> 00:16:23,120
there's a series of of checkpoints along

454
00:16:25,910 --> 00:16:24,160
the way

455
00:16:28,389 --> 00:16:25,920
where we're keeping each other safe and

456
00:16:30,870 --> 00:16:28,399
backing each other up and then once

457
00:16:32,870 --> 00:16:30,880
it's up on top of the truss

458
00:16:35,110 --> 00:16:32,880
we'll attach it and

459
00:16:36,870 --> 00:16:35,120
turn it

460
00:16:38,629 --> 00:16:36,880
go on phillip sloss with

461
00:16:40,230 --> 00:16:38,639
nasaspaceflight.com

462
00:16:42,550 --> 00:16:40,240
i had a question about the

463
00:16:44,949 --> 00:16:42,560

the storm rendezvous after undock and

464

00:16:46,629 --> 00:16:44,959

and kind of your roles uh during that

465

00:16:47,910 --> 00:16:46,639

and sort of compare and contrast the

466

00:16:49,509 --> 00:16:47,920

rendezvous that you're going to be doing

467

00:16:51,189 --> 00:16:49,519

on flight day three

468

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

with the rendezvous that you're going to

469

00:16:55,110 --> 00:16:52,720

be doing on on

470

00:16:56,230 --> 00:16:55,120

post on dock is are do your roles change

471

00:16:57,269 --> 00:16:56,240

i mean i know

472

00:16:58,949 --> 00:16:57,279

uh

473

00:17:00,629 --> 00:16:58,959

greg you're going to be or box you're

474

00:17:03,269 --> 00:17:00,639

going to be flying the the the fly

475

00:17:05,350 --> 00:17:03,279

around but do you sort of switch roles

476

00:17:08,470 --> 00:17:05,360

after you back after you do your step

477

00:17:10,470 --> 00:17:08,480

two burn and then do the re-rendezvous

478

00:17:12,470 --> 00:17:10,480

well let me let me just say our roles

479

00:17:14,470 --> 00:17:12,480

for the rendezvous part don't change but

480

00:17:15,829 --> 00:17:14,480

for the storm stuff i want to let drew

481

00:17:18,630 --> 00:17:15,839

answer that question because he's

482

00:17:20,470 --> 00:17:18,640

responsible for that payload so we can

483

00:17:21,909 --> 00:17:20,480

you know the way storm is working is uh

484

00:17:23,990 --> 00:17:21,919

the system is has never really been

485

00:17:25,750 --> 00:17:24,000

calibrated for what its job is which is

486

00:17:28,069 --> 00:17:25,760

to do this approach the space station so

487

00:17:29,909 --> 00:17:28,079

initially on the on the first rendezvous

488

00:17:31,909 --> 00:17:29,919

the sensors will be on i'll be

489

00:17:34,630 --> 00:17:31,919

monitoring the software that is uh is

490

00:17:36,390 --> 00:17:34,640

running the device and uh the uh the

491

00:17:37,990 --> 00:17:36,400

ground team will use that information on

492

00:17:40,630 --> 00:17:38,000

the initial rendezvous to help calibrate

493

00:17:43,270 --> 00:17:40,640

the sensors for um the fly you know the

494

00:17:46,070 --> 00:17:43,280

fly around uh on the when we depart and

495

00:17:48,070 --> 00:17:46,080

when we when we do the re-rendezvous so

496

00:17:49,830 --> 00:17:48,080

our rolls are identical as mark pointed

497

00:17:51,909 --> 00:17:49,840

out for the rendezvous and for the fly

498

00:17:54,390 --> 00:17:51,919

around and rerun if we all maintain the

499

00:17:56,870 --> 00:17:54,400

same roles um the whole flight crew is

500

00:17:58,310 --> 00:17:56,880

really involved in um in the in the

501
00:18:00,549 --> 00:17:58,320
re-rendezvous

502
00:18:03,350 --> 00:18:00,559
if if we're not actually working sensors

503
00:18:05,029 --> 00:18:03,360
or uh um you know actually flying the

504
00:18:06,549 --> 00:18:05,039
rendezvous someone's taking pictures so

505
00:18:08,870 --> 00:18:06,559
you know and all of that is part of the

506
00:18:11,510 --> 00:18:08,880
um the way we're gonna do this uh but

507
00:18:13,909 --> 00:18:11,520
essentially um the storm software is

508
00:18:15,830 --> 00:18:13,919
running itself i do some initialization

509
00:18:17,110 --> 00:18:15,840
uh of the of the

510
00:18:18,230 --> 00:18:17,120
of the code

511
00:18:20,549 --> 00:18:18,240
to make sure that it's operating

512
00:18:23,029 --> 00:18:20,559
properly and everybody's been trained to

513
00:18:24,710 --> 00:18:23,039

some level on how to monitor what the

514

00:18:26,789 --> 00:18:24,720

feedback is on the

515

00:18:27,830 --> 00:18:26,799

on the computer screen to know if the

516

00:18:30,630 --> 00:18:27,840

the system's failing but it's

517

00:18:32,150 --> 00:18:30,640

essentially my job to to really watch

518

00:18:33,669 --> 00:18:32,160

what's happening with the software and

519

00:18:35,510 --> 00:18:33,679

and help the ground understand if they

520

00:18:37,190 --> 00:18:35,520

don't have the insight that they expect

521

00:18:39,270 --> 00:18:37,200

uh to be able to respond and make sure

522

00:18:41,110 --> 00:18:39,280

that the hardware works on the way back

523

00:18:43,350 --> 00:18:41,120

in so that ultimately when it's used as

524

00:18:45,110 --> 00:18:43,360

a rendezvous device or on a newer

525

00:18:46,310 --> 00:18:45,120

vehicle the system will be fully

526

00:18:47,830 --> 00:18:46,320

calibrated and they'd have a good

527

00:18:50,549 --> 00:18:47,840

understanding of how well it's going to

528

00:18:56,630 --> 00:18:53,270

hi robert perlman with collectspace.com

529

00:18:58,150 --> 00:18:56,640

about a week before your you take off

530

00:18:59,430 --> 00:18:58,160

nasa administrator

531

00:19:01,510 --> 00:18:59,440

charlie bolden is going to announce

532

00:19:04,310 --> 00:19:01,520

where endeavour and the other orbiters

533

00:19:06,710 --> 00:19:04,320

are going to go for their retirement um

534

00:19:09,029 --> 00:19:06,720

i wonder if if each or any of you have

535

00:19:11,029 --> 00:19:09,039

strong feelings of where it should go

536

00:19:12,070 --> 00:19:11,039

where endeavour should go

537

00:19:14,070 --> 00:19:12,080

and

538

00:19:16,070 --> 00:19:14,080

in a general sense when they do install

539

00:19:17,830 --> 00:19:16,080

endeavor in a museum after your flight

540

00:19:19,350 --> 00:19:17,840

how do you want your mission to be

541

00:19:22,710 --> 00:19:19,360

described on the placard that will

542

00:19:26,710 --> 00:19:24,870

how about greg down at the end you want

543

00:19:28,549 --> 00:19:26,720

to take that one yeah i got the hard

544

00:19:31,590 --> 00:19:28,559

question wait for me for the hard

545

00:19:33,990 --> 00:19:31,600

question uh you know endeavors kind of a

546

00:19:36,070 --> 00:19:34,000

special meaning to me because as

547

00:19:37,590 --> 00:19:36,080

mark mentioned when he dropped me off

548

00:19:39,350 --> 00:19:37,600

and closed the hatch

549

00:19:41,110 --> 00:19:39,360

six months later

550

00:19:43,110 --> 00:19:41,120

endeavour pulled into formation with the

551
00:19:44,230 --> 00:19:43,120
space station below while mike and i

552
00:19:46,150 --> 00:19:44,240
were taking pictures of it out the

553
00:19:47,750 --> 00:19:46,160
window and that has to be one of the

554
00:19:49,669 --> 00:19:47,760
most most emotional moments for me and

555
00:19:51,270 --> 00:19:49,679
the whole mission was seeing this

556
00:19:52,870 --> 00:19:51,280
amazing spaceship come up and pull up to

557
00:19:54,549 --> 00:19:52,880
the space station that i knew was going

558
00:19:55,430 --> 00:19:54,559
to be my ride home and

559
00:19:56,230 --> 00:19:55,440
and

560
00:19:58,070 --> 00:19:56,240
you know

561
00:20:00,549 --> 00:19:58,080
get to go back home to my family after

562
00:20:02,470 --> 00:20:00,559
after amazing time up there

563
00:20:03,669 --> 00:20:02,480

endeavor was the first

564

00:20:05,750 --> 00:20:03,679

shuttle that brought a piece of the

565

00:20:08,070 --> 00:20:05,760

space station you know to space uh

566

00:20:09,590 --> 00:20:08,080

connected node one to fgb and now it's

567

00:20:11,430 --> 00:20:09,600

gonna be there for the very last

568

00:20:13,830 --> 00:20:11,440

external major hardware that we bring up

569

00:20:15,830 --> 00:20:13,840

so in a sense it's bookending the entire

570

00:20:18,149 --> 00:20:15,840

construction of the space station

571

00:20:19,909 --> 00:20:18,159

and uh you know that that's a legacy for

572

00:20:21,590 --> 00:20:19,919

the whole space shuttle program not just

573

00:20:24,470 --> 00:20:21,600

for endeavor but i think that's you know

574

00:20:27,350 --> 00:20:24,480

that's the legacy that it leaves behind

575

00:20:31,590 --> 00:20:29,909

jill tulk with bay area houston magazine

576

00:20:34,070 --> 00:20:31,600

question for drew

577

00:20:35,590 --> 00:20:34,080

this is your first flight to station

578

00:20:37,350 --> 00:20:35,600

although of course not your first flight

579

00:20:39,430 --> 00:20:37,360

on shuttle what's been the most

580

00:20:42,070 --> 00:20:39,440

challenging part and the most rewarding

581

00:20:44,390 --> 00:20:42,080

part to wrap your mind around training

582

00:20:45,750 --> 00:20:44,400

for station as opposed to go seeing a

583

00:20:48,149 --> 00:20:45,760

telescope instead

584

00:20:49,750 --> 00:20:48,159

um well the most challenging part is uh

585

00:20:50,710 --> 00:20:49,760

trying not to get lost on the space

586

00:20:52,390 --> 00:20:50,720

station

587

00:20:54,549 --> 00:20:52,400

uh it's quite a bit bigger than hubble

588

00:20:56,070 --> 00:20:54,559

hubble was relatively easy in that sense

589

00:20:58,070 --> 00:20:56,080

because it was sort of like having uh

590

00:21:00,310 --> 00:20:58,080

some hardware in the trunk of your car

591

00:21:02,549 --> 00:21:00,320

uh space station is uh there's quite a

592

00:21:04,710 --> 00:21:02,559

bit more room to roam out there and and

593

00:21:06,630 --> 00:21:04,720

it is easy to get disoriented because

594

00:21:09,350 --> 00:21:06,640

things look very similar when your face

595

00:21:11,590 --> 00:21:09,360

is up against the truss

596

00:21:13,590 --> 00:21:11,600

but it's it's exciting for me i can't

597

00:21:15,190 --> 00:21:13,600

wait to see it

598

00:21:16,549 --> 00:21:15,200

it will be able to cover a lot more

599

00:21:19,669 --> 00:21:16,559

distance

600

00:21:22,070 --> 00:21:19,679

not as much you know fine motor skills

601
00:21:23,909 --> 00:21:22,080
required i think for us some of the work

602
00:21:25,909 --> 00:21:23,919
that we did on hubble but certainly some

603
00:21:28,789 --> 00:21:25,919
important work that's required for the

604
00:21:30,789 --> 00:21:28,799
space station to give it you know that

605
00:21:33,430 --> 00:21:30,799
long life that we need to keep it in

606
00:21:35,430 --> 00:21:33,440
service and um i'm just really excited

607
00:21:37,510 --> 00:21:35,440
to be able to go outside with uh with

608
00:21:39,190 --> 00:21:37,520
greg and mike and and share some great

609
00:21:40,870 --> 00:21:39,200
experiences and get some amazing views

610
00:21:42,710 --> 00:21:40,880
of the planet and the space station

611
00:21:45,270 --> 00:21:42,720
itself and we hope to be able to take

612
00:21:46,310 --> 00:21:45,280
some some spectacular photos while we're

613
00:21:49,430 --> 00:21:46,320

out there

614

00:21:50,390 --> 00:21:49,440

to sort of commemorate you know the last

615

00:21:52,390 --> 00:21:50,400

the last

616

00:21:55,830 --> 00:21:52,400

shuttle-based evas from the station and

617

00:21:57,590 --> 00:21:55,840

get a great view of of the space station

618

00:21:59,270 --> 00:21:57,600

at its completion

619

00:22:01,590 --> 00:21:59,280

and those pictures are unique that you

620

00:22:02,710 --> 00:22:01,600

really can only get as an eva crew

621

00:22:04,230 --> 00:22:02,720

member when you're out on the end of the

622

00:22:05,909 --> 00:22:04,240

trust so

623

00:22:07,750 --> 00:22:05,919

it's been exciting and fun and we're

624

00:22:10,070 --> 00:22:07,760

looking forward to it

625

00:22:11,510 --> 00:22:10,080

and keen with harvard journalism five of

626
00:22:13,590 --> 00:22:11,520
you are fathers

627
00:22:15,190 --> 00:22:13,600
this is the last shuttle missions

628
00:22:17,350 --> 00:22:15,200
currently scheduled for an academic

629
00:22:19,350 --> 00:22:17,360
school year if you could address school

630
00:22:21,510 --> 00:22:19,360
children what fascinates you most about

631
00:22:23,510 --> 00:22:21,520
and sucks you most about this mission

632
00:22:25,669 --> 00:22:23,520
and what do you see for young people as

633
00:22:27,510 --> 00:22:25,679
their legacy what do you envision for

634
00:22:29,190 --> 00:22:27,520
them as the next generation of space

635
00:22:30,470 --> 00:22:29,200
explorers

636
00:22:31,830 --> 00:22:30,480
roberto

637
00:22:33,750 --> 00:22:31,840
can you take that

638
00:22:38,950 --> 00:22:33,760

yeah mark you didn't say that i can only

639

00:22:45,270 --> 00:22:41,830

or bing bing is i can enlarge it to

640

00:22:50,870 --> 00:22:48,789

well this is uh the last shuttle flight

641

00:22:52,710 --> 00:22:50,880

last flight for endeavor but it's my

642

00:22:53,590 --> 00:22:52,720

first shuttle flight i'm very excited

643

00:22:55,270 --> 00:22:53,600

about

644

00:22:55,990 --> 00:22:55,280

i have three children

645

00:22:58,390 --> 00:22:56,000

and

646

00:23:01,350 --> 00:22:58,400

i share with them my excitement

647

00:23:04,470 --> 00:23:01,360

for a mission that despite it is

648

00:23:07,190 --> 00:23:04,480

presented as the last one in my eyes is

649

00:23:09,909 --> 00:23:07,200

one of the milestones for transportation

650

00:23:12,310 --> 00:23:09,919

or future generation the shuttle for me

651
00:23:14,789 --> 00:23:12,320
is nothing else than the

652
00:23:17,190 --> 00:23:14,799
the father of anything that will fly in

653
00:23:19,510 --> 00:23:17,200
the future at hypersonic speed and will

654
00:23:22,149 --> 00:23:19,520
make our world much smaller

655
00:23:24,470 --> 00:23:22,159
so i look with excitement to this

656
00:23:26,789 --> 00:23:24,480
mission and i try to share my excitement

657
00:23:30,470 --> 00:23:26,799
to my kids and any other

658
00:23:33,029 --> 00:23:30,480
child i have opportunity to talk to

659
00:23:35,350 --> 00:23:33,039
irene klotz with reuters um mark thanks

660
00:23:37,590 --> 00:23:35,360
for the update about your wife i think

661
00:23:38,950 --> 00:23:37,600
she's been on a lot of people's minds

662
00:23:40,630 --> 00:23:38,960
and um

663
00:23:42,630 --> 00:23:40,640

forget this question but i guess i'm

664

00:23:44,310 --> 00:23:42,640

just curious why you had um a

665

00:23:47,029 --> 00:23:44,320

last-minute change of heart and uh

666

00:23:50,710 --> 00:23:47,039

canceled your round-robin interviews

667

00:23:52,470 --> 00:23:50,720

um well i expected to get that question

668

00:23:55,669 --> 00:23:52,480

because i mean the main reason is

669

00:23:57,510 --> 00:23:55,679

because i anticipated that

670

00:23:58,630 --> 00:23:57,520

i would likely get a lot of questions

671

00:24:00,390 --> 00:23:58,640

about her

672

00:24:02,470 --> 00:24:00,400

which i wanted to address just in a

673

00:24:04,950 --> 00:24:02,480

statement and i feel that you know

674

00:24:06,549 --> 00:24:04,960

pretty much anything about the mission i

675

00:24:08,950 --> 00:24:06,559

can you know i can

676

00:24:11,190 --> 00:24:08,960

we can cover right here so that's that's

677

00:24:13,669 --> 00:24:11,200

basically the reason

678

00:24:15,830 --> 00:24:13,679

all right uh genius and sarah abc news

679

00:24:17,590 --> 00:24:15,840

with question for greg

680

00:24:19,909 --> 00:24:17,600

the commander on drew's mission told me

681

00:24:20,950 --> 00:24:19,919

that the pilot's doing all the work on

682

00:24:22,310 --> 00:24:20,960

launch

683

00:24:27,990 --> 00:24:22,320

can you tell me what the commander

684

00:24:33,110 --> 00:24:30,789

the first commander that i flew with dom

685

00:24:35,350 --> 00:24:33,120

gory also happened to be

686

00:24:37,430 --> 00:24:35,360

mark's first commander

687

00:24:39,029 --> 00:24:37,440

and we used to joke with dom we used to

688

00:24:41,669 --> 00:24:39,039

call him gator

689

00:24:44,390 --> 00:24:41,679

because all he did was float around and

690

00:24:48,470 --> 00:24:45,110

but

691

00:24:50,710 --> 00:24:48,480

no the commander's job uh is a very

692

00:24:54,390 --> 00:24:50,720

complicated job especially for this

693

00:24:55,830 --> 00:24:54,400

flight uh we have a group that is come

694

00:24:57,430 --> 00:24:55,840

from a lot of different backgrounds a

695

00:25:00,230 --> 00:24:57,440

lot of experience

696

00:25:03,029 --> 00:25:00,240

and when you get uh various uh

697

00:25:04,950 --> 00:25:03,039

experience from different sources

698

00:25:07,269 --> 00:25:04,960

it's it's hard to

699

00:25:08,149 --> 00:25:07,279

build that team together to to do

700

00:25:09,990 --> 00:25:08,159

something

701
00:25:11,909 --> 00:25:10,000
uh without a lot of

702
00:25:12,870 --> 00:25:11,919
you know dissension from the ranks and

703
00:25:14,549 --> 00:25:12,880
so

704
00:25:15,830 --> 00:25:14,559
i think mark's done a great job doing

705
00:25:17,190 --> 00:25:15,840
that you know we've had a little extra

706
00:25:19,110 --> 00:25:17,200
time to build this team but we have a

707
00:25:21,830 --> 00:25:19,120
very very strong team and so the

708
00:25:23,350 --> 00:25:21,840
commander sets the tone for the mission

709
00:25:25,830 --> 00:25:23,360
and ultimately the commander is

710
00:25:28,310 --> 00:25:25,840
responsible for everything that happens

711
00:25:30,390 --> 00:25:28,320
on the mission now as a pilot yeah i

712
00:25:32,310 --> 00:25:30,400
have a lot of fun things to do i want to

713
00:25:33,750 --> 00:25:32,320

make sure that everybody gets fed that

714

00:25:35,269 --> 00:25:33,760

all the uh

715

00:25:38,149 --> 00:25:35,279

the trash is taken care of that the

716

00:25:41,110 --> 00:25:38,159

toilet operates perfectly and then for

717

00:25:43,909 --> 00:25:41,120

ascen and entry and rendezvous i'll be

718

00:25:45,029 --> 00:25:43,919

backing up mark along the way so um you

719

00:25:46,789 --> 00:25:45,039

know it's a team effort but the

720

00:25:48,390 --> 00:25:46,799

commander kind of keeps things going in

721

00:25:50,950 --> 00:25:48,400

the proper direction and that's really

722

00:25:51,909 --> 00:25:50,960

my view as mark's role

723

00:25:53,590 --> 00:25:51,919

okay

724

00:25:54,870 --> 00:25:53,600

max hoffman with german broadcaster

725

00:25:56,630 --> 00:25:54,880

deutsche welle this is a question for

726

00:25:57,990 --> 00:25:56,640

the commander you've been up there a

727

00:25:59,669 --> 00:25:58,000

couple of times on a shuttle how do you

728

00:26:01,909 --> 00:25:59,679

feel about this being definitely the

729

00:26:03,990 --> 00:26:01,919

last time up there on a shuttle

730

00:26:07,190 --> 00:26:04,000

um so yeah this is my

731

00:26:08,710 --> 00:26:07,200

fourth um flight to isf on the space

732

00:26:10,870 --> 00:26:08,720

shuttle it's kind of sad to see the

733

00:26:12,630 --> 00:26:10,880

space shuttle retired it's been an

734

00:26:15,029 --> 00:26:12,640

incredible

735

00:26:17,909 --> 00:26:15,039

success over a long period of time and

736

00:26:19,029 --> 00:26:17,919

it's it brings a capability that's

737

00:26:20,950 --> 00:26:19,039

you know that certainly we're not going

738

00:26:23,430 --> 00:26:20,960

to replace with the next vehicle so it's

739

00:26:25,590 --> 00:26:23,440

it's sad to see it see it go i think

740

00:26:27,510 --> 00:26:25,600

it's probably the right time to to

741

00:26:29,430 --> 00:26:27,520

retire the shuttle and move on to

742

00:26:31,909 --> 00:26:29,440

something else so we can get

743

00:26:33,750 --> 00:26:31,919

at a low earth orbit and start to

744

00:26:34,870 --> 00:26:33,760

explore the solar system again so even

745

00:26:36,950 --> 00:26:34,880

though it's

746

00:26:39,110 --> 00:26:36,960

it's kind of sad it's exciting to do

747

00:26:41,430 --> 00:26:39,120

something new

748

00:26:43,750 --> 00:26:41,440

hi elizabeth saab with the daily um

749

00:26:45,669 --> 00:26:43,760

commander kelly on your previous flights

750

00:26:47,510 --> 00:26:45,679

you've had the song a beautiful day to

751
00:26:49,430 --> 00:26:47,520
wake up to in the morning do you guys

752
00:26:51,430 --> 00:26:49,440
have a song that you're gonna take up

753
00:26:53,990 --> 00:26:51,440
there with you to wake yourselves up in

754
00:26:58,390 --> 00:26:55,990
hey drew um you know true why don't you

755
00:27:00,870 --> 00:26:58,400
take that minor surprise

756
00:27:04,070 --> 00:27:00,880
i don't want to talk about wake up songs

757
00:27:06,149 --> 00:27:04,080
but uh can i answer that right now

758
00:27:07,990 --> 00:27:06,159
we do we do all have uh we do all have

759
00:27:10,070 --> 00:27:08,000
uh some wake up songs some of us have

760
00:27:12,310 --> 00:27:10,080
surprise wake up songs if you know what

761
00:27:14,149 --> 00:27:12,320
mine is don't tell me um

762
00:27:17,350 --> 00:27:14,159
but everybody has selected a few songs

763
00:27:19,350 --> 00:27:17,360

and we also have um so winners of a

764

00:27:21,190 --> 00:27:19,360

contest right that were selected the

765

00:27:23,110 --> 00:27:21,200

people original composers that wrote

766

00:27:25,669 --> 00:27:23,120

songs for the space

767

00:27:28,230 --> 00:27:25,679

as wake up music and i believe two of

768

00:27:29,909 --> 00:27:28,240

those songs am i right mark nicole will

769

00:27:30,710 --> 00:27:29,919

be played on our mission

770

00:27:32,310 --> 00:27:30,720

and

771

00:27:34,470 --> 00:27:32,320

about in the last two days so we all

772

00:27:36,070 --> 00:27:34,480

have music that we have either selected

773

00:27:39,269 --> 00:27:36,080

or had selected for us and then there's

774

00:27:41,909 --> 00:27:39,279

the additional the additional songs

775

00:27:43,669 --> 00:27:41,919

uh jim oberg over here in nbc

776

00:27:45,350 --> 00:27:43,679

you have other responsibilities too of

777

00:27:47,510 --> 00:27:45,360

course besides all these records

778

00:27:49,430 --> 00:27:47,520

record-breaking flights and last flights

779

00:27:51,669 --> 00:27:49,440

and one of them is as the point of of

780

00:27:53,029 --> 00:27:51,679

the spear of a much bigger team

781

00:27:54,870 --> 00:27:53,039

people you're working with are facing

782

00:27:56,630 --> 00:27:54,880

some other tensions of their own how

783

00:27:58,549 --> 00:27:56,640

have you in terms of of of the near

784

00:28:00,070 --> 00:27:58,559

future of their careers how have you

785

00:28:02,389 --> 00:28:00,080

been working with with your people who

786

00:28:04,470 --> 00:28:02,399

support you to encourage them and help

787

00:28:06,870 --> 00:28:04,480

them keep their their heads in the game

788

00:28:10,149 --> 00:28:08,070

well a

789

00:28:12,389 --> 00:28:10,159

uh training for a shuttle mission is

790

00:28:14,630 --> 00:28:12,399

very uh very planned out over a long

791

00:28:17,190 --> 00:28:14,640

period of time so there's uh you know

792

00:28:19,269 --> 00:28:17,200

there's stuff that uh that we do to try

793

00:28:20,950 --> 00:28:19,279

to support our team you know we have

794

00:28:23,590 --> 00:28:20,960

social events with them

795

00:28:25,110 --> 00:28:23,600

um we take trips to florida on occasion

796

00:28:26,549 --> 00:28:25,120

to support the

797

00:28:28,389 --> 00:28:26,559

the great group of folks there that

798

00:28:30,470 --> 00:28:28,399

processes the vehicle get gets it ready

799

00:28:32,789 --> 00:28:30,480

for launch we've got a large team of

800

00:28:34,389 --> 00:28:32,799

people in mission control and as you

801
00:28:35,750 --> 00:28:34,399
said jim you know some of those folks

802
00:28:37,990 --> 00:28:35,760
are going to be they're going to be out

803
00:28:40,230 --> 00:28:38,000
of work here shortly um

804
00:28:42,830 --> 00:28:40,240
they're all professionals i mean we're

805
00:28:45,510 --> 00:28:42,840
certainly very sympathetic and

806
00:28:47,110 --> 00:28:45,520
um we talked to those folks every day

807
00:28:48,950 --> 00:28:47,120
you had a conversation with lisa

808
00:28:50,630 --> 00:28:48,960
martinetti two days ago who's worked

809
00:28:51,590 --> 00:28:50,640
here for

810
00:28:53,750 --> 00:28:51,600
um

811
00:28:55,990 --> 00:28:53,760
i think more than 19 years

812
00:28:59,029 --> 00:28:56,000
and you know she's dedicated her life to

813
00:29:01,909 --> 00:28:59,039

to to space flight and she's got a very

814

00:29:03,750 --> 00:29:01,919

positive outlook on it as as

815

00:29:06,070 --> 00:29:03,760

as do other people and there'll be

816

00:29:06,950 --> 00:29:06,080

opportunities out there the workforce

817

00:29:09,750 --> 00:29:06,960

here

818

00:29:11,269 --> 00:29:09,760

is a incredibly talented group of people

819

00:29:13,750 --> 00:29:11,279

and i'm sure they're gonna the folks

820

00:29:15,190 --> 00:29:13,760

that decide to maybe go in another

821

00:29:17,510 --> 00:29:15,200

another direction are going to do some

822

00:29:18,630 --> 00:29:17,520

great things

823

00:29:19,990 --> 00:29:18,640

all right with that we're going to

824

00:29:24,389 --> 00:29:20,000

switch over to kennedy space center

825

00:29:29,110 --> 00:29:26,389

hi this is michelle spitzer with florida

826

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

today can summer all of you talk about

827

00:29:32,470 --> 00:29:31,120

what it means to be part of endeavour's

828

00:29:34,549 --> 00:29:32,480

final flight

829

00:29:37,669 --> 00:29:34,559

and will any of you be bringing up any

830

00:29:38,710 --> 00:29:37,679

trinkets to commemorate this last flight

831

00:29:40,149 --> 00:29:38,720

anything

832

00:29:42,149 --> 00:29:40,159

to remind you of your family while

833

00:29:43,350 --> 00:29:42,159

you're up there

834

00:29:45,909 --> 00:29:43,360

greg

835

00:29:46,950 --> 00:29:45,919

why do you want to take that sure

836

00:29:50,070 --> 00:29:46,960

um

837

00:29:51,190 --> 00:29:50,080

yeah i'm taking a couple of things for

838

00:29:53,430 --> 00:29:51,200

my kids

839

00:29:55,750 --> 00:29:53,440

i have two kids that are six years old a

840

00:29:57,590 --> 00:29:55,760

girl and a boy and um they they were

841

00:30:00,230 --> 00:29:57,600

very young when i had was on my last

842

00:30:01,750 --> 00:30:00,240

flight so um they they necessarily

843

00:30:03,269 --> 00:30:01,760

understand exactly what was going on and

844

00:30:05,190 --> 00:30:03,279

this time they have a much better idea

845

00:30:07,830 --> 00:30:05,200

so um i've got a

846

00:30:10,470 --> 00:30:07,840

i've got a it's kind of funny i've got a

847

00:30:12,549 --> 00:30:10,480

little seal but but my daughter named

848

00:30:14,389 --> 00:30:12,559

the sealed porcupine so it's porcupine

849

00:30:15,909 --> 00:30:14,399

that's going up and another little

850

00:30:17,350 --> 00:30:15,919

penguin my son wanted me to bring named

851
00:30:19,110 --> 00:30:17,360
zach

852
00:30:20,789 --> 00:30:19,120
and i've got uh some other things you

853
00:30:22,549 --> 00:30:20,799
know for different organizations that i

854
00:30:24,310 --> 00:30:22,559
that i've been a part of the boy scouts

855
00:30:26,389 --> 00:30:24,320
of america they've they made a patch

856
00:30:29,110 --> 00:30:26,399
special for our flight that i'm i'll be

857
00:30:35,750 --> 00:30:29,120
carrying and a few other special things

858
00:30:41,029 --> 00:30:38,950
uh todd halverson of florida today um

859
00:30:41,750 --> 00:30:41,039
mark you kind of touched on this earlier

860
00:30:44,389 --> 00:30:41,760
but

861
00:30:47,350 --> 00:30:44,399
i was i was wondering if you could um

862
00:30:49,029 --> 00:30:47,360
give us your thoughts on how long it'll

863
00:30:52,389 --> 00:30:49,039

be until

864

00:30:53,830 --> 00:30:52,399

there is another uh vehicle space

865

00:30:56,230 --> 00:30:53,840

vehicle that has

866

00:30:59,430 --> 00:30:56,240

all the capabilities that the

867

00:31:04,389 --> 00:31:01,590

well this you know the space shuttle can

868

00:31:06,789 --> 00:31:04,399

take a very large payload into orbit it

869

00:31:08,870 --> 00:31:06,799

can support multiple spacewalks has a

870

00:31:10,950 --> 00:31:08,880

robotic arm capability it can retrieve

871

00:31:12,070 --> 00:31:10,960

satellites it can dock to a space

872

00:31:14,870 --> 00:31:12,080

station

873

00:31:16,230 --> 00:31:14,880

uh it can carry a crew of seven

874

00:31:17,669 --> 00:31:16,240

astronauts

875

00:31:20,230 --> 00:31:17,679

so we don't have anything on the drawing

876

00:31:21,830 --> 00:31:20,240

board that'll that'll do that but you

877

00:31:24,149 --> 00:31:21,840

know that or that vehicle was designed

878

00:31:25,750 --> 00:31:24,159

to work in low earth orbit our next

879

00:31:27,509 --> 00:31:25,760

vehicle is going to be designed to not

880

00:31:29,590 --> 00:31:27,519

only get people to and from the space

881

00:31:32,149 --> 00:31:29,600

station but to also

882

00:31:34,549 --> 00:31:32,159

possibly go on to to the moon maybe be

883

00:31:37,029 --> 00:31:34,559

used in an architecture that

884

00:31:37,990 --> 00:31:37,039

would possibly get us to mars at some

885

00:31:40,149 --> 00:31:38,000

point

886

00:31:41,509 --> 00:31:40,159

so

887

00:31:43,190 --> 00:31:41,519

you know i i

888

00:31:46,070 --> 00:31:43,200

i think it's impossible for me or

889

00:31:47,909 --> 00:31:46,080

anybody else to say when we would build

890

00:31:49,669 --> 00:31:47,919

a vehicle that would have the same

891

00:31:53,430 --> 00:31:49,679

capabilities as a space shuttle i think

892

00:31:56,310 --> 00:31:54,789

okay we're turning back here to the

893

00:31:58,710 --> 00:31:56,320

johnson space center

894

00:32:00,950 --> 00:31:58,720

irene klotz with reuters i'm curious if

895

00:32:05,029 --> 00:32:00,960

any of you um have any strong feelings

896

00:32:06,710 --> 00:32:05,039

yay or nay about um a possible career

897

00:32:09,590 --> 00:32:06,720

with one of the commercial space

898

00:32:11,669 --> 00:32:09,600

companies as an astronaut or some

899

00:32:16,310 --> 00:32:11,679

position outside

900

00:32:20,389 --> 00:32:19,029

anybody want to take that spanky sure

901
00:32:26,070 --> 00:32:20,399
uh

902
00:32:29,509 --> 00:32:26,080
and

903
00:32:31,509 --> 00:32:29,519
professional astronauts are

904
00:32:34,230 --> 00:32:31,519
are thinking hey what what does the

905
00:32:37,430 --> 00:32:34,240
future hold and uh the commercial space

906
00:32:39,509 --> 00:32:37,440
is uh as it progresses as it matures is

907
00:32:40,870 --> 00:32:39,519
uh going to start sending up you know

908
00:32:43,909 --> 00:32:40,880
other astronauts who aren't nasa

909
00:32:47,110 --> 00:32:43,919
astronauts and uh and open up a whole

910
00:32:49,029 --> 00:32:47,120
new pardon the phrase frontier

911
00:32:50,630 --> 00:32:49,039
for us to go explore and i think each

912
00:32:52,389 --> 00:32:50,640
and every one of us has

913
00:32:54,870 --> 00:32:52,399

have thought about that hey will that

914

00:32:56,389 --> 00:32:54,880

fit for me will that fit with my family

915

00:32:58,789 --> 00:32:56,399

it may be a little more dangerous maybe

916

00:33:00,470 --> 00:32:58,799

more lucrative it may be the same same

917

00:33:03,110 --> 00:33:00,480

kind of job and just as exciting as what

918

00:33:05,590 --> 00:33:03,120

we're doing now it may be more exciting

919

00:33:08,470 --> 00:33:05,600

you know we it's it's unknown

920

00:33:09,909 --> 00:33:08,480

but it's uh i think the original pilots

921

00:33:12,470 --> 00:33:09,919

who were flying airplanes were all

922

00:33:14,630 --> 00:33:12,480

military pilots and then we opened up

923

00:33:16,230 --> 00:33:14,640

you know in the 1920s to commercial

924

00:33:17,669 --> 00:33:16,240

aviation and all of a sudden we had a

925

00:33:19,509 --> 00:33:17,679

whole bunch of pilots and i'm looking

926
00:33:21,590 --> 00:33:19,519
forward to the day where we have a whole

927
00:33:23,669 --> 00:33:21,600
bunch of astronauts and

928
00:33:25,669 --> 00:33:23,679
that people barely remember the guys

929
00:33:27,830 --> 00:33:25,679
that flew for 380 days or barely

930
00:33:29,509 --> 00:33:27,840
remember the 201st astronaut to take a

931
00:33:31,269 --> 00:33:29,519
spacewalk because that's what we're

932
00:33:33,430 --> 00:33:31,279
that's what we're doing and and hoping

933
00:33:35,190 --> 00:33:33,440
that's a big american industry out there

934
00:33:37,029 --> 00:33:35,200
providing jobs for all of us we're going

935
00:33:39,029 --> 00:33:37,039
to need our training teams and we're

936
00:33:41,909 --> 00:33:39,039
trained by the best so hopefully this

937
00:33:44,870 --> 00:33:41,919
opens up a new opportunity for not just

938
00:33:47,750 --> 00:33:44,880

us nasa types but uh for the population

939

00:33:49,750 --> 00:33:47,760

at large won't that be exciting

940

00:33:53,110 --> 00:33:49,760

okay and we have time for one last

941

00:33:54,950 --> 00:33:53,120

question here over on the left

942

00:33:55,990 --> 00:33:54,960

that's bill harwood again for scott i'm

943

00:33:59,110 --> 00:33:56,000

scott

944

00:34:02,149 --> 00:33:59,120

well you do look like your brother

945

00:34:03,430 --> 00:34:02,159

we're not allowed to do that anymore

946

00:34:05,269 --> 00:34:03,440

next question

947

00:34:07,909 --> 00:34:05,279

okay somebody else gets that last

948

00:34:11,190 --> 00:34:09,669

well you do look alike so i guess i get

949

00:34:12,389 --> 00:34:11,200

to be forgiven for that uh i just was

950

00:34:13,669 --> 00:34:12,399

revisiting my first question i was

951
00:34:15,829 --> 00:34:13,679
asking i asked you about training when

952
00:34:17,270 --> 00:34:15,839
you came back into this flow and i was i

953
00:34:19,430 --> 00:34:17,280
guess what i was wondering was really

954
00:34:21,750 --> 00:34:19,440
was not not what you had actually done

955
00:34:22,950 --> 00:34:21,760
wise but um you know for all the obvious

956
00:34:24,470 --> 00:34:22,960
reasons you've had a more challenging

957
00:34:26,069 --> 00:34:24,480
flow than most commanders just because

958
00:34:27,669 --> 00:34:26,079
of distractions i'll use that word

959
00:34:29,510 --> 00:34:27,679
better than anything else

960
00:34:31,109 --> 00:34:29,520
how has that been for you i mean i know

961
00:34:33,270 --> 00:34:31,119
that you guys compartmentalize you've

962
00:34:34,629 --> 00:34:33,280
said that before as a military man

963
00:34:36,230 --> 00:34:34,639

but but it does seem like a more

964

00:34:37,909 --> 00:34:36,240

challenging flow for all of those

965

00:34:40,069 --> 00:34:37,919

reasons for you personally

966

00:34:41,829 --> 00:34:40,079

and it does reflect on 134 how how has

967

00:34:43,430 --> 00:34:41,839

that gone for you in terms of dealing

968

00:34:45,829 --> 00:34:43,440

with all that well i think it would have

969

00:34:47,990 --> 00:34:45,839

been really challenging if this was my

970

00:34:49,829 --> 00:34:48,000

first shuttle flight or if it was my

971

00:34:51,109 --> 00:34:49,839

even my first flight as the commander of

972

00:34:53,669 --> 00:34:51,119

the space shuttle

973

00:34:55,190 --> 00:34:53,679

but just coming off of doing this with

974

00:34:57,589 --> 00:34:55,200

sts-124

975

00:34:59,589 --> 00:34:57,599

which is a very complicated mission

976
00:35:00,870 --> 00:34:59,599
you know very uh you know sophisticated

977
00:35:02,390 --> 00:35:00,880
payload bringing up the japanese

978
00:35:04,710 --> 00:35:02,400
laboratory you know having that

979
00:35:06,069 --> 00:35:04,720
experience certainly makes it

980
00:35:08,310 --> 00:35:06,079
um

981
00:35:10,069 --> 00:35:08,320
very manageable to be able to handle

982
00:35:13,829 --> 00:35:10,079
what's going on in my personal life and

983
00:35:15,430 --> 00:35:13,839
focusing on the mission i mean i've

984
00:35:16,390 --> 00:35:15,440
you know i've given this mission

985
00:35:19,349 --> 00:35:16,400
everything

986
00:35:20,550 --> 00:35:19,359
i would have if uh the events of january

987
00:35:22,310 --> 00:35:20,560
did not happen

988
00:35:23,510 --> 00:35:22,320

so i'm very focused we're very prepared

989

00:35:25,030 --> 00:35:23,520

as a crew

990

00:35:26,069 --> 00:35:25,040

we've got a little bit more training to

991

00:35:27,589 --> 00:35:26,079

go

992

00:35:29,990 --> 00:35:27,599

uh when we get back from terminal

993

00:35:32,310 --> 00:35:30,000

countdown tests next friday we basically

994

00:35:34,710 --> 00:35:32,320

have one full week here

995

00:35:36,069 --> 00:35:34,720

uh in the office and doing some training

996

00:35:37,990 --> 00:35:36,079

and then the following week we go into

997

00:35:39,990 --> 00:35:38,000

quarantine so we're getting pretty close

998

00:35:43,750 --> 00:35:40,000

to the end and we're ready to we're

999

00:35:45,510 --> 00:35:43,760

ready to do this and excited about it

1000

00:35:46,790 --> 00:35:45,520

thank you with that that wraps up our

1001

00:35:48,790 --> 00:35:46,800

briefing a reminder you can find out

1002

00:35:51,150 --> 00:35:48,800

more about the sts-134 mission on our