



1
00:00:04,160 --> 00:00:25,910
wow

2
00:00:25,920 --> 00:00:35,430
you can ask me

3
00:00:39,350 --> 00:00:37,750
good afternoon everyone this is our post

4
00:00:41,990 --> 00:00:39,360
landing

5
00:00:43,670 --> 00:00:42,000
news conference with the sts-132

6
00:00:45,029 --> 00:00:43,680
astronauts

7
00:00:47,510 --> 00:00:45,039
and here with us

8
00:00:49,750 --> 00:00:47,520
is ken ham the commander from the

9
00:00:51,830 --> 00:00:49,760
mission he will

10
00:00:53,270 --> 00:00:51,840
make a few comments and

11
00:00:55,029 --> 00:00:53,280
then

12
00:00:59,189 --> 00:00:55,039
very shortly thereafter we will take

13
00:01:01,990 --> 00:00:59,199

questions from the media present so ken

14

00:01:05,350 --> 00:01:03,750

in a very short sentence

15

00:01:08,870 --> 00:01:05,360

we're thrilled

16

00:01:10,469 --> 00:01:08,880

accomplished the mission that was put in

17

00:01:12,550 --> 00:01:10,479

front of us

18

00:01:14,469 --> 00:01:12,560

and a long time ago when we were first

19

00:01:16,950 --> 00:01:14,479

assigned as a crew

20

00:01:18,550 --> 00:01:16,960

one of our goals

21

00:01:21,670 --> 00:01:18,560

as we laid them out for the year in

22

00:01:24,390 --> 00:01:21,680

front of us was to uh to have fun and to

23

00:01:26,550 --> 00:01:24,400

include everyone on the ground team

24

00:01:28,550 --> 00:01:26,560

in our fun and hopefully

25

00:01:30,710 --> 00:01:28,560

bleed some of the enthusiasm we have for

26

00:01:32,390 --> 00:01:30,720

space flight into the rest of the world

27

00:01:33,510 --> 00:01:32,400

and uh

28

00:01:34,950 --> 00:01:33,520

since we've been back we've been hearing

29

00:01:37,910 --> 00:01:34,960

stories about how folks have been having

30

00:01:39,510 --> 00:01:37,920

fun and enjoyed watching us have fun

31

00:01:41,590 --> 00:01:39,520

and that's really important to us so

32

00:01:43,749 --> 00:01:41,600

from that perspective we're thrilled

33

00:01:46,149 --> 00:01:43,759

on the real serious side

34

00:01:47,749 --> 00:01:46,159

we uh we brought a russian module up did

35

00:01:49,830 --> 00:01:47,759

something that has never been done

36

00:01:51,510 --> 00:01:49,840

before by birthing that

37

00:01:53,350 --> 00:01:51,520

module with a russian docking system on

38

00:01:54,789 --> 00:01:53,360

a robotic arm to the international space

39

00:01:57,510 --> 00:01:54,799

station

40

00:01:58,709 --> 00:01:57,520

and these great guys next to me

41

00:02:01,510 --> 00:01:58,719

that might be the only time i call you

42

00:02:05,109 --> 00:02:03,670

did some great space walking

43

00:02:07,510 --> 00:02:05,119

and uh

44

00:02:09,029 --> 00:02:07,520

tony did some great iv and

45

00:02:11,510 --> 00:02:09,039

perce down there did

46

00:02:13,589 --> 00:02:11,520

some incredible arm operations

47

00:02:14,869 --> 00:02:13,599

supporting all three evas

48

00:02:16,790 --> 00:02:14,879

and it's kind of interesting because

49

00:02:18,710 --> 00:02:16,800

piers was

50

00:02:20,150 --> 00:02:18,720

the guy on this flight that had more eva

51
00:02:24,390 --> 00:02:20,160
experience than anybody and now he's a

52
00:02:28,949 --> 00:02:26,309
that's true isn't it yeah he still has

53
00:02:29,910 --> 00:02:28,959
more eva experience than anyone else on

54
00:02:32,309 --> 00:02:29,920
the crew

55
00:02:35,110 --> 00:02:32,319
and now he's

56
00:02:38,390 --> 00:02:35,120
an accomplished robotics arm specialist

57
00:02:39,509 --> 00:02:38,400
which i think is pretty darn cool

58
00:02:41,830 --> 00:02:39,519
oh man

59
00:02:43,589 --> 00:02:41,840
and speaking of uh of pierce

60
00:02:48,309 --> 00:02:43,599
sir i think you have

61
00:02:54,070 --> 00:02:51,830
for the record and in front of everybody

62
00:02:56,710 --> 00:02:54,080
i'd like to thank my family and my wife

63
00:02:59,830 --> 00:02:56,720

in particular for putting up with months

64

00:03:01,430 --> 00:02:59,840

and months of absences

65

00:03:02,949 --> 00:03:01,440

and grumpiness

66

00:03:04,630 --> 00:03:02,959

while we got ready for this meeting and

67

00:03:06,550 --> 00:03:04,640

also for a fantastic selection of wake

68

00:03:07,830 --> 00:03:06,560

up music which i unfortunately missed by

69

00:03:09,509 --> 00:03:07,840

being in the wrong module at the wrong

70

00:03:10,869 --> 00:03:09,519

time

71

00:03:11,830 --> 00:03:10,879

but my commander felt that i owed that

72

00:03:13,509 --> 00:03:11,840

to

73

00:03:15,589 --> 00:03:13,519

the world

74

00:03:28,949 --> 00:03:15,599

and my wife thank you

75

00:03:33,750 --> 00:03:30,789

when the microphone comes with you we'll

76

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

start here with james

77

00:03:37,670 --> 00:03:36,239

james dean florida today um if if not

78

00:03:39,190 --> 00:03:37,680

for the

79

00:03:40,869 --> 00:03:39,200

commander and pilot who might have been

80

00:03:42,470 --> 00:03:40,879

otherwise occupied did any of you have a

81

00:03:44,550 --> 00:03:42,480

chance to

82

00:03:46,789 --> 00:03:44,560

think about atlantis uh history and

83

00:03:48,789 --> 00:03:46,799

career as you were coming in for landing

84

00:03:50,470 --> 00:03:48,799

this morning

85

00:03:53,030 --> 00:03:50,480

whether or not we know it's the last

86

00:03:54,309 --> 00:03:53,040

flight yeah

87

00:03:56,630 --> 00:03:54,319

well i didn't have much time to think

88

00:03:57,910 --> 00:03:56,640

about it today to be honest with you

89

00:04:00,550 --> 00:03:57,920

we were pretty busy

90

00:04:02,869 --> 00:04:00,560

getting her ready to come home and then

91

00:04:05,110 --> 00:04:02,879

put the orange suits on and strap it in

92

00:04:07,190 --> 00:04:05,120

and bringing her back from mach 25 we

93

00:04:09,190 --> 00:04:07,200

just inched up over mach 25 before we

94

00:04:11,429 --> 00:04:09,200

started slowing down again

95

00:04:13,990 --> 00:04:11,439

after the burn

96

00:04:15,750 --> 00:04:14,000

but we did we did have time on orbit to

97

00:04:18,069 --> 00:04:15,760

to think about it reflect about it talk

98

00:04:19,670 --> 00:04:18,079

about it a little bit um

99

00:04:21,189 --> 00:04:19,680

obviously we've all flown on atlantis

100

00:04:23,430 --> 00:04:21,199

now some of us have flown on her a

101

00:04:25,990 --> 00:04:23,440

couple times and uh it's a great ship

102

00:04:27,909 --> 00:04:26,000

and uh it was a real honor to be

103

00:04:29,590 --> 00:04:27,919

on the last flight if uh if this turns

104

00:04:31,030 --> 00:04:29,600

out to be the last flight

105

00:04:35,350 --> 00:04:31,040

and we're happy to bring her back home

106

00:04:38,629 --> 00:04:36,950

mike i was gonna ask for you personally

107

00:04:40,790 --> 00:04:38,639

as you've flown both your missions on

108

00:04:43,430 --> 00:04:40,800

atlantis um

109

00:04:45,350 --> 00:04:43,440

how it will loom in in your career

110

00:04:47,270 --> 00:04:45,360

and your your spectacles uh a third

111

00:04:49,030 --> 00:04:47,280

flight so uh um

112

00:04:50,310 --> 00:04:49,040

how's uh

113

00:04:52,390 --> 00:04:50,320

how are you gonna remember atlantis in

114

00:04:53,110 --> 00:04:52,400

terms of

115

00:04:55,030 --> 00:04:53,120

it

116

00:04:56,790 --> 00:04:55,040

being the vehicle vehicle for all your

117

00:04:57,990 --> 00:04:56,800

shuttle flights

118

00:04:59,670 --> 00:04:58,000

assuming we don't get an extension

119

00:05:01,990 --> 00:04:59,680

beyond uh

120

00:05:03,430 --> 00:05:02,000

i guess i can't i can't scratch out one

121

00:05:07,110 --> 00:05:03,440

more at this point

122

00:05:12,469 --> 00:05:09,590

but atlantis treated us very well i mean

123

00:05:14,469 --> 00:05:12,479

she was just an incredible ship she uh

124

00:05:16,390 --> 00:05:14,479

just worked perfectly we were saying in

125

00:05:17,189 --> 00:05:16,400

the uh on the deorbit burn on the way

126
00:05:19,510 --> 00:05:17,199
home

127
00:05:22,870 --> 00:05:19,520
i mean the engines had it trimmed out to

128
00:05:24,629 --> 00:05:22,880
within .01 of i mean

129
00:05:27,350 --> 00:05:24,639
of what the burn was supposed to be and

130
00:05:29,909 --> 00:05:27,360
uh it was just amazing she just uh

131
00:05:31,510 --> 00:05:29,919
performed flawlessly and then let us do

132
00:05:33,749 --> 00:05:31,520
our jobs and our tasks that we were

133
00:05:35,909 --> 00:05:33,759
assigned to do to take things up and uh

134
00:05:36,870 --> 00:05:35,919
and get them done

135
00:05:38,629 --> 00:05:36,880
marcia

136
00:05:41,430 --> 00:05:38,639
marsha denton associated press probably

137
00:05:43,749 --> 00:05:41,440
at least for the two pilots um 120

138
00:05:46,710 --> 00:05:43,759

million miles is a lot of miles how did

139

00:05:48,710 --> 00:05:46,720

atlantis look with all that mileage on

140

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

her

141

00:05:52,390 --> 00:05:50,800

oh she looks great i don't know if you

142

00:05:54,310 --> 00:05:52,400

had a chance to get out

143

00:05:56,870 --> 00:05:54,320

to the runway when she was still on the

144

00:05:57,749 --> 00:05:56,880

runway but just absolutely fabulous

145

00:05:59,749 --> 00:05:57,759

um

146

00:06:01,830 --> 00:05:59,759

for

147

00:06:04,070 --> 00:06:01,840

i don't know how old your car is

148

00:06:05,590 --> 00:06:04,080

i ended up with a new one this summer

149

00:06:08,550 --> 00:06:05,600

when the government wanted

150

00:06:10,230 --> 00:06:08,560

wanted my old truck real bad

151

00:06:11,590 --> 00:06:10,240

so i couldn't couldn't turn down the

152

00:06:14,070 --> 00:06:11,600

offer but

153

00:06:15,909 --> 00:06:14,080

just an incredible spaceship she uh like

154

00:06:19,189 --> 00:06:15,919

bueno was saying she

155

00:06:20,469 --> 00:06:19,199

really performed well on this flight and

156

00:06:22,629 --> 00:06:20,479

uh

157

00:06:24,309 --> 00:06:22,639

reflecting on it not so much while we're

158

00:06:26,629 --> 00:06:24,319

flying because i was

159

00:06:28,710 --> 00:06:26,639

still worried about hawks landing but um

160

00:06:30,150 --> 00:06:28,720

had a chance to grab a sandwich uh

161

00:06:31,430 --> 00:06:30,160

before we

162

00:06:33,029 --> 00:06:31,440

came over to

163

00:06:35,350 --> 00:06:33,039

here to talk to y'all and

164

00:06:37,189 --> 00:06:35,360

saw him taxi in atlantis off the runway

165

00:06:39,990 --> 00:06:37,199

and even had to grab hawk and go hey

166

00:06:41,749 --> 00:06:40,000

they're taxiing or off the runway and uh

167

00:06:43,510 --> 00:06:41,759

that i hope it's not the last time they

168

00:06:45,590 --> 00:06:43,520

do that but uh but

169

00:06:46,309 --> 00:06:45,600

it might be and

170

00:06:51,749 --> 00:06:46,319

it

171

00:06:53,029 --> 00:06:51,759

that

172

00:06:54,629 --> 00:06:53,039

the great folks at the kennedy space

173

00:06:56,629 --> 00:06:54,639

center are going to turn her around she

174

00:06:57,909 --> 00:06:56,639

is so ready to get stacked and back out

175

00:07:01,430 --> 00:06:57,919

to the launch pad you can tell that's

176

00:07:06,309 --> 00:07:03,510

okay next question

177

00:07:07,830 --> 00:07:06,319

hi clara moskowitz with space.com

178

00:07:09,670 --> 00:07:07,840

um i know a lot of you actually are

179

00:07:11,749 --> 00:07:09,680

making made a return trip to the

180

00:07:13,110 --> 00:07:11,759

international space station and i wonder

181

00:07:14,950 --> 00:07:13,120

if anybody wanted to share thoughts

182

00:07:17,270 --> 00:07:14,960

about how it had changed since you had

183

00:07:19,029 --> 00:07:17,280

seen it last and especially how it looks

184

00:07:22,150 --> 00:07:19,039

now when you guys left it almost fully

185

00:07:25,990 --> 00:07:24,230

yeah she um

186

00:07:28,230 --> 00:07:26,000

it felt like home you know when i got

187

00:07:31,589 --> 00:07:28,240

back there i spent a bunch of time up on

188

00:07:33,270 --> 00:07:31,599

the space station before and um

189

00:07:35,270 --> 00:07:33,280

when but there are some definite changes

190

00:07:37,990 --> 00:07:35,280

uh this crew has got the station really

191

00:07:40,390 --> 00:07:38,000

ship shape i mean uh she is neat and

192

00:07:42,070 --> 00:07:40,400

tidy uh and they've got it very well

193

00:07:44,390 --> 00:07:42,080

organized so it was a very comfortable

194

00:07:45,589 --> 00:07:44,400

place even with twice the number of crew

195

00:07:47,350 --> 00:07:45,599

members

196

00:07:48,230 --> 00:07:47,360

on board than were there when i was

197

00:07:51,350 --> 00:07:48,240

there

198

00:07:53,589 --> 00:07:51,360

and the biggest addition is the cupola

199

00:07:54,550 --> 00:07:53,599

and it's fantastic to look out at the

200

00:07:55,909 --> 00:07:54,560

earth

201
00:07:58,390 --> 00:07:55,919
from the cupola

202
00:07:59,510 --> 00:07:58,400
and you can see from horizon to horizon

203
00:08:01,029 --> 00:07:59,520
to get a real

204
00:08:03,189 --> 00:08:01,039
idea

205
00:08:05,350 --> 00:08:03,199
of uh the whole span of the earth rather

206
00:08:06,230 --> 00:08:05,360
than just a small view that you know we

207
00:08:08,150 --> 00:08:06,240
get

208
00:08:09,029 --> 00:08:08,160
we got previously out of one window at a

209
00:08:10,790 --> 00:08:09,039
time

210
00:08:13,350 --> 00:08:10,800
and and more importantly perhaps is the

211
00:08:15,510 --> 00:08:13,360
fact that operationally as far as using

212
00:08:17,749 --> 00:08:15,520
the robot arm and as far as observing

213
00:08:19,110 --> 00:08:17,759

spacewalks the cupola is an unbelievably

214

00:08:20,390 --> 00:08:19,120

fantastic

215

00:08:21,350 --> 00:08:20,400

uh

216

00:08:23,830 --> 00:08:21,360

tool

217

00:08:26,230 --> 00:08:23,840

because we we got used to training

218

00:08:27,749 --> 00:08:26,240

ourselves to fly that robotic arm by

219

00:08:30,150 --> 00:08:27,759

using all these different cameras each

220

00:08:32,550 --> 00:08:30,160

of which gives you a little tiny piece

221

00:08:34,550 --> 00:08:32,560

of the big picture and sometimes you can

222

00:08:37,190 --> 00:08:34,560

fool yourself and sometimes it's very

223

00:08:38,709 --> 00:08:37,200

confusing and it's very slow every time

224

00:08:39,589 --> 00:08:38,719

you have to change a camera it takes

225

00:08:43,829 --> 00:08:39,599

time

226

00:08:45,269 --> 00:08:43,839

do the operations using those cameras

227

00:08:47,269 --> 00:08:45,279

because we didn't know if the cooper was

228

00:08:48,710 --> 00:08:47,279

going to be available to us

229

00:08:49,509 --> 00:08:48,720

but when we actually started flying the

230

00:08:51,110 --> 00:08:49,519

arm

231

00:08:53,990 --> 00:08:51,120

i said you could put all those cameras

232

00:08:55,670 --> 00:08:54,000

away i i just look out the window i mean

233

00:08:59,509 --> 00:08:55,680

it's fantastic so

234

00:09:03,030 --> 00:09:01,590

hi robert perlman with collectspace.com

235

00:09:05,269 --> 00:09:03,040

uh sort of the flip side of that

236

00:09:07,509 --> 00:09:05,279

question uh for michael good

237

00:09:09,829 --> 00:09:07,519

since you're the only crew member to

238

00:09:11,350 --> 00:09:09,839

have not flown your second flight to the

239

00:09:12,389 --> 00:09:11,360

uh where your first flight to the

240

00:09:14,070 --> 00:09:12,399

station

241

00:09:14,949 --> 00:09:14,080

can you compare

242

00:09:21,030 --> 00:09:14,959

the

243

00:09:22,790 --> 00:09:21,040

telescope

244

00:09:24,389 --> 00:09:22,800

what are the pros and cons of the of the

245

00:09:25,750 --> 00:09:24,399

two types

246

00:09:29,030 --> 00:09:25,760

i thought i was off the hook on that

247

00:09:32,310 --> 00:09:30,310

and then i got to look down here at my

248

00:09:35,430 --> 00:09:32,320

commander and see if i'm allowed to say

249

00:09:38,310 --> 00:09:37,030

i think since he already drew blood it's

250

00:09:40,150 --> 00:09:38,320

okay um

251
00:09:41,670 --> 00:09:40,160
now as um

252
00:09:45,509 --> 00:09:41,680
it's definitely a lot bigger inside than

253
00:09:48,790 --> 00:09:47,430
we went out to hubble and uh open up its

254
00:09:50,630 --> 00:09:48,800
doors and crawled inside of her and

255
00:09:52,070 --> 00:09:50,640
worked on it a little bit but

256
00:09:54,230 --> 00:09:52,080
definitely a totally different

257
00:09:56,150 --> 00:09:54,240
experience going out the airlock over

258
00:09:57,509 --> 00:09:56,160
there on the international space station

259
00:09:59,910 --> 00:09:57,519
and just the amount of room that's

260
00:10:02,870 --> 00:09:59,920
inside all the labs just incredible

261
00:10:04,870 --> 00:10:02,880
capability and a lot of room to actually

262
00:10:06,949 --> 00:10:04,880
fly around i mean

263
00:10:08,790 --> 00:10:06,959

i i talked about floating in space after

264

00:10:11,430 --> 00:10:08,800

my last mission but now i can say that i

265

00:10:13,190 --> 00:10:11,440

was able to fly in space because there's

266

00:10:15,269 --> 00:10:13,200

so much room up there just to go but you

267

00:10:17,350 --> 00:10:15,279

know straight down the labs and through

268

00:10:19,030 --> 00:10:17,360

the different modules and it's just like

269

00:10:21,430 --> 00:10:19,040

you're flying so it's a it was a great

270

00:10:23,910 --> 00:10:21,440

experience and really an incredible uh

271

00:10:26,550 --> 00:10:23,920

facility

272

00:10:27,990 --> 00:10:26,560

and uh for the commander since you

273

00:10:29,829 --> 00:10:28,000

since you did such a great job of

274

00:10:31,670 --> 00:10:29,839

sharing the fun we definitely saw that

275

00:10:33,910 --> 00:10:31,680

here on the ground

276

00:10:35,910 --> 00:10:33,920

i wonder what fun we didn't see were

277

00:10:39,750 --> 00:10:35,920

there any inside jokes amongst the crew

278

00:10:41,430 --> 00:10:39,760

that you can share or funny experiences

279

00:10:44,470 --> 00:10:41,440

you saw it all

280

00:10:44,480 --> 00:10:49,190

good question though

281

00:10:55,350 --> 00:10:52,550

hi evan brown from fox news radio um

282

00:10:58,310 --> 00:10:55,360

with uh two more missions on the on the

283

00:11:00,949 --> 00:10:58,320

books and and maybe a possible 135 as

284

00:11:02,470 --> 00:11:00,959

everyone keeps talking about um how many

285

00:11:04,710 --> 00:11:02,480

of you are

286

00:11:06,710 --> 00:11:04,720

looking at your next career moves or how

287

00:11:09,590 --> 00:11:06,720

many of you are hoping for 135 and

288

00:11:11,030 --> 00:11:09,600

trying to get your name on the list

289

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

i'll speak for myself there's no way in

290

00:11:14,069 --> 00:11:12,800

the world they're gonna let i'll speak

291

00:11:15,269 --> 00:11:14,079

for all of us there's no way in the

292

00:11:16,710 --> 00:11:15,279

world

293

00:11:18,710 --> 00:11:16,720

they're going to let any of us be on

294

00:11:21,110 --> 00:11:18,720

that mission we are available however we

295

00:11:27,030 --> 00:11:21,120

are at however

296

00:11:30,630 --> 00:11:28,310

need one more chance to get it right

297

00:11:34,710 --> 00:11:30,640

that's all

298

00:11:40,389 --> 00:11:36,790

justin ray with spaceflightnow.com i

299

00:11:42,389 --> 00:11:40,399

guess for anyone that wants to take it

300

00:11:44,389 --> 00:11:42,399

after 12 days up there what are some of

301
00:11:45,110 --> 00:11:44,399
the lasting memories that you're going

302
00:11:48,550 --> 00:11:45,120
to

303
00:11:52,790 --> 00:11:50,710
i guess i should answer one yeah it's

304
00:11:57,190 --> 00:11:52,800
all yours

305
00:12:00,389 --> 00:11:59,269
good question no uh

306
00:12:02,230 --> 00:12:00,399
uh

307
00:12:03,910 --> 00:12:02,240
there were two points that i really

308
00:12:05,670 --> 00:12:03,920
thought were quite amazing we went all

309
00:12:07,430 --> 00:12:05,680
the way out to the p6 trust to work on

310
00:12:09,590 --> 00:12:07,440
the batteries and uh

311
00:12:11,269 --> 00:12:09,600
went on the back side of the truss and

312
00:12:14,310 --> 00:12:11,279
so i was back there all alone

313
00:12:16,870 --> 00:12:14,320

it's just you're so far away at that

314

00:12:18,870 --> 00:12:16,880

point from the living portion of the

315

00:12:20,470 --> 00:12:18,880

space station it's it's quite amazing to

316

00:12:23,750 --> 00:12:20,480

look back and see the

317

00:12:26,069 --> 00:12:23,760

just the size you know from the outside

318

00:12:28,949 --> 00:12:26,079

you can't take it all in from out there

319

00:12:30,949 --> 00:12:28,959

you have to turn your head it's so huge

320

00:12:33,350 --> 00:12:30,959

uh my previous flight

321

00:12:35,030 --> 00:12:33,360

the only addition since then was another

322

00:12:37,430 --> 00:12:35,040

truss and uh

323

00:12:39,190 --> 00:12:37,440

but it it's it's just feels bigger it

324

00:12:41,430 --> 00:12:39,200

feels more complete

325

00:12:43,670 --> 00:12:41,440

and the other time was i was sitting on

326

00:12:44,870 --> 00:12:43,680

top of the boom after we had installed

327

00:12:46,949 --> 00:12:44,880

the antenna

328

00:12:49,110 --> 00:12:46,959

waiting for some direction as to what to

329

00:12:50,629 --> 00:12:49,120

do next so i had about i don't know 20

330

00:12:52,069 --> 00:12:50,639

30 minutes

331

00:12:53,030 --> 00:12:52,079

sitting there basically laying on my

332

00:12:55,190 --> 00:12:53,040

back

333

00:12:57,030 --> 00:12:55,200

watching the world go by past the

334

00:12:58,790 --> 00:12:57,040

russian segment

335

00:13:00,829 --> 00:12:58,800

and i was just thinking how in the world

336

00:13:03,030 --> 00:13:00,839

did i end up here this is just

337

00:13:04,069 --> 00:13:03,040

unbelievable it just seems totally

338

00:13:06,629 --> 00:13:04,079

surreal

339

00:13:09,910 --> 00:13:06,639

and a lot of fun at the same time that's

340

00:13:09,920 --> 00:13:13,750

any additional questions out here

341

00:13:16,470 --> 00:13:15,190

and for the commander could you just

342

00:13:18,230 --> 00:13:16,480

talk a little bit about entry and

343

00:13:21,110 --> 00:13:18,240

landing today how

344

00:13:23,590 --> 00:13:21,120

how it went and uh yeah

345

00:13:25,750 --> 00:13:23,600

yeah well it was smooth as silk and i

346

00:13:27,350 --> 00:13:25,760

don't i'm not talking about my landing

347

00:13:30,230 --> 00:13:27,360

i'm talking about uh the whole entry

348

00:13:32,829 --> 00:13:30,240

profile it was a nice day to come home

349

00:13:35,030 --> 00:13:32,839

but uh what was absolutely remarkable

350

00:13:38,310 --> 00:13:35,040

was we were going through the high mach

351

00:13:40,150 --> 00:13:38,320

numbers that's the the low 20s or so

352

00:13:41,750 --> 00:13:40,160

in what we call the plasma region where

353

00:13:43,590 --> 00:13:41,760

you are quite literally on the inside of

354

00:13:44,389 --> 00:13:43,600

a fireball

355

00:13:46,310 --> 00:13:44,399

and

356

00:13:48,550 --> 00:13:46,320

on my last mission that happened in the

357

00:13:51,350 --> 00:13:48,560

daylight and you could sort of see a

358

00:13:53,750 --> 00:13:51,360

faint pink glow over the nose

359

00:13:56,069 --> 00:13:53,760

this time it happened at night

360

00:13:58,629 --> 00:13:56,079

and we were clearly riding on the inside

361

00:14:01,670 --> 00:13:58,639

of a fireball and it was absolutely

362

00:14:03,910 --> 00:14:01,680

spectacular the windows all of them were

363

00:14:07,509 --> 00:14:03,920

bright brilliant orange

364

00:14:09,269 --> 00:14:07,519

out the overhead windows we could see

365

00:14:11,670 --> 00:14:09,279

i don't know if there are vortices or

366

00:14:13,110 --> 00:14:11,680

bursts of plasma kind of shedding off

367

00:14:14,790 --> 00:14:13,120

the the

368

00:14:16,949 --> 00:14:14,800

the top of the orbiter but one of the

369

00:14:19,670 --> 00:14:16,959

nearest things was we flew right into

370

00:14:21,590 --> 00:14:19,680

sunrise in this high mach number region

371

00:14:23,750 --> 00:14:21,600

and sunrise from space is absolutely

372

00:14:25,269 --> 00:14:23,760

spectacular every one of them is

373

00:14:27,750 --> 00:14:25,279

it always starts with this beautiful

374

00:14:28,949 --> 00:14:27,760

blue colored arc on the limb of the

375

00:14:30,470 --> 00:14:28,959

earth

376

00:14:32,069 --> 00:14:30,480

and what was neat in this case was we

377

00:14:34,069 --> 00:14:32,079

could see that blue color kind of

378

00:14:35,269 --> 00:14:34,079

burning through the orange tony saw it

379

00:14:37,910 --> 00:14:35,279

first because we were rolled a certain

380

00:14:39,990 --> 00:14:37,920

way and he said holy cow you can see the

381

00:14:41,350 --> 00:14:40,000

sunrise through the fireball i'm like

382

00:14:42,790 --> 00:14:41,360

wag you know i couldn't see over to his

383

00:14:43,910 --> 00:14:42,800

side and then the orbiter rolled and

384

00:14:46,150 --> 00:14:43,920

sure enough i could see it on myself

385

00:14:48,389 --> 00:14:46,160

like holy cow you can see that sunrise

386

00:14:50,870 --> 00:14:48,399

through the fireball

387

00:14:52,790 --> 00:14:50,880

so it was visually overwhelming it was

388

00:14:54,389 --> 00:14:52,800

just amazing

389

00:14:56,310 --> 00:14:54,399

okay we'll take one more question and

390

00:15:00,069 --> 00:14:56,320

that's going to wrap it up

391

00:15:02,470 --> 00:15:00,079

right here um when uh robert with

392

00:15:05,509 --> 00:15:02,480

collectspace.com again uh

393

00:15:07,350 --> 00:15:05,519

when i we spoke preflight uh

394

00:15:09,430 --> 00:15:07,360

ken um when we spoke preflight you said

395

00:15:12,550 --> 00:15:09,440

that landing might be bittersweet

396

00:15:13,509 --> 00:15:12,560

because it marked the end of the fun so

397

00:15:14,550 --> 00:15:13,519

um

398

00:15:17,430 --> 00:15:14,560

sort of

399

00:15:18,949 --> 00:15:17,440

is it is it the end of the fun and uh

400

00:15:22,150 --> 00:15:18,959

was there a tinted regret that the rain

401
00:15:23,110 --> 00:15:22,160
didn't keep you in space an extra day

402
00:15:24,310 --> 00:15:23,120
uh

403
00:15:25,829 --> 00:15:24,320
i'm not sure an extra day would have

404
00:15:27,670 --> 00:15:25,839
made that much of a difference to be

405
00:15:29,990 --> 00:15:27,680
honest

406
00:15:31,590 --> 00:15:30,000
the fun is really these five guys next

407
00:15:32,949 --> 00:15:31,600
to me and we're going to be around

408
00:15:34,629 --> 00:15:32,959
together for quite a while longer and

409
00:15:35,829 --> 00:15:34,639
we're going to continue to have fun

410
00:15:37,670 --> 00:15:35,839
but it uh

411
00:15:39,430 --> 00:15:37,680
it certainly did strike me walking

412
00:15:40,550 --> 00:15:39,440
around the orbiter today

413
00:15:41,829 --> 00:15:40,560

that

414

00:15:43,509 --> 00:15:41,839

i probably just did the coolest thing

415

00:15:45,430 --> 00:15:43,519

i'll ever do in my life

416

00:15:46,710 --> 00:15:45,440

and uh and it's over it's behind me it's

417

00:15:50,069 --> 00:15:46,720

great it's a great memory and it's

418

00:15:51,670 --> 00:15:50,079

nothing that i feel bad about

419

00:15:53,350 --> 00:15:51,680

it was just one of those moments kind of

420

00:15:54,790 --> 00:15:53,360

walking around looking at the at the

421

00:15:55,670 --> 00:15:54,800

spectacular airplane knowing that it's

422

00:15:58,550 --> 00:15:55,680

over

423

00:16:00,310 --> 00:15:58,560

it's human nature it's okay

424

00:16:02,030 --> 00:16:00,320

all right that's going to conclude our

425

00:16:04,710 --> 00:16:02,040

briefing and our

