



1
00:00:08,629 --> 00:00:04,010
Deborah this is a bob woodruff or maybe

2
00:00:14,480 --> 00:00:08,639
see that is can you hear me yeah Bob we

3
00:00:16,519 --> 00:00:14,490
get you loud and clear if you hear us I

4
00:00:24,170 --> 00:00:16,529
hear you perfectly so I'll go ahead and

5
00:00:25,939 --> 00:00:24,180
ask away so I know it's hard for any of

6
00:00:27,890 --> 00:00:25,949
us to imagine what you're seeing when

7
00:00:33,910 --> 00:00:27,900
you look out that window you walk out in

8
00:00:40,130 --> 00:00:38,000
last night was after the after we

9
00:00:42,889 --> 00:00:40,140
undocked from the International Space

10
00:00:44,630 --> 00:00:42,899
Station one of the night passes we were

11
00:00:46,610 --> 00:00:44,640
flying pretty much over the Kennedy

12
00:00:50,240 --> 00:00:46,620
Space Center a little bit south of that

13
00:00:52,880 --> 00:00:50,250

we could look out the window left of my

14

00:00:55,459 --> 00:00:52,890

seat and see all the Florida lit up I

15

00:00:58,220 --> 00:00:55,469

could see back to New Orleans up through

16

00:01:00,830 --> 00:00:58,230

Atlanta and into North Carolina and it

17

00:01:03,560 --> 00:01:00,840

was it's pretty spectacular it's a the

18

00:01:10,010 --> 00:01:03,570

view of the planet from orbit is it's

19

00:01:12,080 --> 00:01:10,020

something you never forget true you have

20

00:01:13,880 --> 00:01:12,090

you certainly walked in space before

21

00:01:14,960 --> 00:01:13,890

would you think about this trip and

22

00:01:16,580 --> 00:01:14,970

what's it going to feel like when you

23

00:01:21,859 --> 00:01:16,590

when you can't fly in these shuttles

24

00:01:24,109 --> 00:01:21,869

again well it's a little bit of a

25

00:01:26,749 --> 00:01:24,119

bittersweet end it was happy to have the

26

00:01:29,210 --> 00:01:26,759

opportunity to do the three the three

27

00:01:31,819 --> 00:01:29,220

spacewalks that I did both with the Greg

28

00:01:32,929 --> 00:01:31,829

shama top and Mike Fink and happy that

29

00:01:35,420 --> 00:01:32,939

all four of them were very successful

30

00:01:36,679 --> 00:01:35,430

and i can tell you reference to the

31

00:01:39,560 --> 00:01:36,689

previous question the view from out

32

00:01:41,569 --> 00:01:39,570

there was spectacular when you can see

33

00:01:43,039 --> 00:01:41,579

the earth below and you're holding on to

34

00:01:45,170 --> 00:01:43,049

a piece of the structure up high above

35

00:01:46,940 --> 00:01:45,180

the space station and to see the horizon

36

00:01:49,580 --> 00:01:46,950

out there with all that hardware beneath

37

00:01:51,380 --> 00:01:49,590

you and understand what we've done as a

38

00:01:52,670 --> 00:01:51,390

nation and as a world to build that

39

00:01:54,499 --> 00:01:52,680

International Space Station it's

40

00:01:56,209 --> 00:01:54,509

spectacular so it's bittersweet to know

41

00:01:58,999 --> 00:01:56,219

that it's sort of coming to an end and

42

00:02:00,499 --> 00:01:59,009

that we all have varying futures ahead

43

00:02:02,359 --> 00:02:00,509

of us but it'll be interesting to see

44

00:02:03,800 --> 00:02:02,369

what what that brings for all of us in

45

00:02:08,550 --> 00:02:03,810

the development of space the space

46

00:02:19,740 --> 00:02:12,040

Mike you set a new record 380 days in

47

00:02:27,490 --> 00:02:24,040

well the Russians have had people in

48

00:02:29,410 --> 00:02:27,500

space for update you know 800 days in

49

00:02:32,470 --> 00:02:29,420

their career so I got a long way to go

50

00:02:34,449 --> 00:02:32,480

and but I'm sure there's other people

51
00:02:36,309 --> 00:02:34,459
who are going to fly in our office more

52
00:02:38,890 --> 00:02:36,319
than one long duration space mission and

53
00:02:41,259 --> 00:02:38,900
I hope my record is soon broken and I

54
00:02:43,509 --> 00:02:41,269
hope it just becomes a kind of a ripple

55
00:02:46,660 --> 00:02:43,519
in the whole scheme of history as humans

56
00:02:48,280 --> 00:02:46,670
go on Americans go on to explore the

57
00:02:49,990 --> 00:02:48,290
rest of the solar system but in the

58
00:02:56,589 --> 00:02:50,000
meantime I'm glad to share the moments

59
00:02:59,770 --> 00:02:56,599
with these guys all right you asked or

60
00:03:01,720 --> 00:02:59,780
not are you got about 10 seconds to

61
00:03:04,030 --> 00:03:01,730
explain to me exactly what the Alpha

62
00:03:05,289 --> 00:03:04,040
Magnetic Spectrometer does for us in

63
00:03:14,710 --> 00:03:05,299

trying to find the origins of the

64

00:03:17,440 --> 00:03:14,720

universe go ahead well it's you know

65

00:03:19,180 --> 00:03:17,450

it's did some really amazing things that

66

00:03:20,920 --> 00:03:19,190

that it's trying to figure out you know

67

00:03:22,180 --> 00:03:20,930

hubble hubble for us one of the

68

00:03:23,830 --> 00:03:22,190

important things hubble figured out was

69

00:03:26,319 --> 00:03:23,840

that the universe is not only expanding

70

00:03:27,970 --> 00:03:26,329

better at an accelerated rate and our

71

00:03:30,699 --> 00:03:27,980

understanding of how that could be with

72

00:03:32,220 --> 00:03:30,709

with mass you know what mass tracks and

73

00:03:35,830 --> 00:03:32,230

should be pulling things back together

74

00:03:37,569 --> 00:03:35,840

we clearly don't understand the mass

75

00:03:39,670 --> 00:03:37,579

that's out there and about four percent

76

00:03:41,860 --> 00:03:39,680

of the masses is the matter that we

77

00:03:43,059 --> 00:03:41,870

understand and there's other kinds of

78

00:03:44,920 --> 00:03:43,069

matter that we're trying to figure out

79

00:03:47,440 --> 00:03:44,930

and one of those we call dark matter

80

00:03:50,650 --> 00:03:47,450

because business don't really understand

81

00:03:51,879 --> 00:03:50,660

what it is and this is a understanding

82

00:03:53,800 --> 00:03:51,889

what the universe is the universe we

83

00:03:56,020 --> 00:03:53,810

live in how it all got here how it was

84

00:03:58,120 --> 00:03:56,030

formed these are fundamental questions

85

00:04:03,700 --> 00:03:58,130

and this is what AMS is going to be

86

00:04:08,870 --> 00:04:06,800

and Marquez as a commander you had a

87

00:04:11,170 --> 00:04:08,880

very emotional trip up there with with

88

00:04:17,900 --> 00:04:11,180

Gabby now on the recovery back here in

89

00:04:19,610 --> 00:04:17,910

honor 'the how's it been for you well

90

00:04:21,530 --> 00:04:19,620

the missions gone great it's it's nice

91

00:04:24,110 --> 00:04:21,540

that on the space station there's an

92

00:04:26,240 --> 00:04:24,120

internet phone available we actually had

93

00:04:28,520 --> 00:04:26,250

pulled the computer over here and we had

94

00:04:30,440 --> 00:04:28,530

a headset and this mic as a matter of

95

00:04:32,540 --> 00:04:30,450

fact and it was nice to be able to call

96

00:04:35,540 --> 00:04:32,550

her each day after about flight day four

97

00:04:37,280 --> 00:04:35,550

of the flight she had her surgery couple

98

00:04:39,680 --> 00:04:37,290

days after we launched and that that one

99

00:04:41,690 --> 00:04:39,690

really well so it was nice to be able to

100

00:04:45,800 --> 00:04:41,700

talk to her haven't been able since we

101
00:04:48,320 --> 00:04:45,810
since we undocked but I will you know

102
00:04:54,200 --> 00:04:48,330
shortly after i land so I'm look really

103
00:04:55,850 --> 00:04:54,210
really looking forward to seeing her you

104
00:04:58,220 --> 00:04:55,860
know she obviously we share this in the

105
00:05:00,350 --> 00:04:58,230
sense that you gotta cranioplasty put on

106
00:05:03,200 --> 00:05:00,360
better skull back on does she do you see

107
00:05:07,880 --> 00:05:03,210
a big change in her less pain anything

108
00:05:11,710 --> 00:05:07,890
else different well there's always

109
00:05:14,810 --> 00:05:11,720
issues with the recovering from surgery

110
00:05:16,550 --> 00:05:14,820
I could tell a difference on on the

111
00:05:18,350 --> 00:05:16,560
phone when speaking to her so that's

112
00:05:21,830 --> 00:05:18,360
that's all positive and a recovery is

113
00:05:24,680 --> 00:05:21,840

going really really well she'll be doing

114

00:05:26,990 --> 00:05:24,690

rehab you know for some continuing

115

00:05:29,060 --> 00:05:27,000

period of time but at some point pretty

116

00:05:30,740 --> 00:05:29,070

soon she'll become an outpatient so

117

00:05:37,130 --> 00:05:30,750

we're we're really looking forward to

118

00:05:38,660 --> 00:05:37,140

that and it's all really encouraging so

119

00:05:45,790 --> 00:05:38,670

she'll be going back to Tucson fairly

120

00:05:49,640 --> 00:05:45,800

soon well we haven't made specific plans

121

00:05:52,250 --> 00:05:49,650

yet but you know it's not going to be

122

00:05:55,130 --> 00:05:52,260

too long before she lease goes back to

123

00:05:57,440 --> 00:05:55,140

Tucson you know for a visit she'll be

124

00:06:01,040 --> 00:05:57,450

staying at ear and continuing continuing

125

00:06:03,260 --> 00:06:01,050

her her rehab for some some period of

126
00:06:04,370 --> 00:06:03,270
time that hasn't been decided either but

127
00:06:07,190 --> 00:06:04,380
we're looking forward to getting her

128
00:06:11,210 --> 00:06:07,200
back to Tucson for at least a short

129
00:06:16,020 --> 00:06:13,710
I'm going to ask you about soya is here

130
00:06:19,980 --> 00:06:16,030
and a second to one just one this last

131
00:06:21,420 --> 00:06:19,990
little a question about that but you

132
00:06:24,480 --> 00:06:21,430
made your decision to go up into space

133
00:06:26,400 --> 00:06:24,490
while she's still going into surgery I

134
00:06:33,059 --> 00:06:26,410
can only assume that there was a very

135
00:06:35,580 --> 00:06:33,069
good decision for you to do yeah I think

136
00:06:37,469 --> 00:06:35,590
it was the right decision it she was

137
00:06:39,870 --> 00:06:37,479
ready for the surgery the timing you

138
00:06:42,629 --> 00:06:39,880

know worked out where her doctor ideally

139

00:06:46,050 --> 00:06:42,639

wanted to do it soon after i launched

140

00:06:49,020 --> 00:06:46,060

and yeah i really trust him and her mom

141

00:06:51,930 --> 00:06:49,030

was there and her dad and you know other

142

00:06:55,020 --> 00:06:51,940

family members so was it was good timing

143

00:06:57,060 --> 00:06:55,030

so I didn't want to hold it up bye-bye

144

00:06:59,159 --> 00:06:57,070

this space flight so we decided to go

145

00:07:04,159 --> 00:06:59,169

ahead with it and in in hindsight it was

146

00:07:08,370 --> 00:07:06,480

endeavour this is Houston ACR that

147

00:07:10,260 --> 00:07:08,380

concludes the ABC News portion of the

148

00:07:16,850 --> 00:07:10,270

event please stand by for a voice check

149

00:07:24,920 --> 00:07:19,369

endeavor this is CBS News how do you

150

00:07:28,670 --> 00:07:24,930

hear me we've got you loud and clear how

151

00:07:31,100 --> 00:07:28,680

to hear us I hear you're just fine its

152

00:07:40,210 --> 00:07:31,110

first I just have to say it is a thrill

153

00:07:44,500 --> 00:07:42,790

well this is the last mission for the

154

00:07:47,200 --> 00:07:44,510

endeavor and the second to the last

155

00:07:53,710 --> 00:07:47,210

shuttle mission ever would dissolve with

156

00:07:55,960 --> 00:07:53,720

this all this mean for you well after

157

00:07:57,910 --> 00:07:55,970

endeavour comes to a stop on the runway

158

00:08:00,130 --> 00:07:57,920

tomorrow hopefully in Florida it'll

159

00:08:01,870 --> 00:08:00,140

it'll head off to a museum certainly

160

00:08:04,120 --> 00:08:01,880

bittersweet the Space Shuttle has been

161

00:08:07,540 --> 00:08:04,130

the workhorse of the u.s. space program

162

00:08:11,260 --> 00:08:07,550

for better than 30 years now so it'll be

163

00:08:14,260 --> 00:08:11,270

sad to see see it retired but you know

164

00:08:17,200 --> 00:08:14,270

we are looking forward to new spacecraft

165

00:08:20,890 --> 00:08:17,210

and new destinations and we were all

166

00:08:22,270 --> 00:08:20,900

excited about the future about which

167

00:08:33,909 --> 00:08:22,280

we've actually been able to accomplish

168

00:08:37,630 --> 00:08:33,919

on this mission well we've we had a full

169

00:08:40,089 --> 00:08:37,640

docket on this mission partly because as

170

00:08:42,070 --> 00:08:40,099

the shuttle program comes to an end

171

00:08:45,730 --> 00:08:42,080

there's a lot of things that are left to

172

00:08:46,990 --> 00:08:45,740

be done on our particular flight we

173

00:08:49,060 --> 00:08:47,000

installed the Alpha Magnetic

174

00:08:51,520 --> 00:08:49,070

Spectrometer which is a very very

175

00:08:53,560 --> 00:08:51,530

important experiment that scientists are

176

00:08:56,829 --> 00:08:53,570

going to use to better understand our

177

00:08:59,829 --> 00:08:56,839

universe we installed the ELC 3 which

178

00:09:01,870 --> 00:08:59,839

was a resupply for the space station so

179

00:09:04,620 --> 00:09:01,880

it can continue on for the next decade

180

00:09:07,690 --> 00:09:04,630

and then these three gentlemen

181

00:09:12,040 --> 00:09:07,700

spacewalkers around me completed four

182

00:09:14,380 --> 00:09:12,050

spacewalks doing all kinds of things to

183

00:09:17,500 --> 00:09:14,390

make the space station to repair it to

184

00:09:20,410 --> 00:09:17,510

replace parts to refurbish parts and to

185

00:09:22,600 --> 00:09:20,420

upgrade parts on the space station in

186

00:09:24,820 --> 00:09:22,610

this effort so we've had a really busy

187

00:09:28,420 --> 00:09:24,830

mission we also tested a new rendezvous

188

00:09:30,400 --> 00:09:28,430

system to join up to the space station

189

00:09:35,050 --> 00:09:30,410

or whatever vehicle we might use in a

190

00:09:37,900 --> 00:09:35,060

follow-on spaceship commander Kelly what

191

00:09:39,250 --> 00:09:37,910

mix of excitement and and anxiety have

192

00:09:41,680 --> 00:09:39,260

you been dealing with on this mission

193

00:09:43,810 --> 00:09:41,690

being so far away from your wife at this

194

00:09:45,730 --> 00:09:43,820

time the surgery or assailants court

195

00:09:50,840 --> 00:09:45,740

hearing certainly the uncertainties of

196

00:09:55,410 --> 00:09:53,100

well you know having her there for

197

00:09:57,750 --> 00:09:55,420

launch you know made it you know

198

00:10:00,060 --> 00:09:57,760

particularly important to me to have her

199

00:10:03,330 --> 00:10:00,070

in and claudi and Claire my their two

200

00:10:04,860 --> 00:10:03,340

daughters there it was really a special

201
00:10:07,050 --> 00:10:04,870
moment after what happened to her in

202
00:10:10,200 --> 00:10:07,060
January eighth the fact that she was

203
00:10:13,050 --> 00:10:10,210
able to recover to the point to walk on

204
00:10:16,050 --> 00:10:13,060
the airplane walk off make the trip to

205
00:10:18,990 --> 00:10:16,060
Florida twice it was really really

206
00:10:20,670 --> 00:10:19,000
special being away from her they be

207
00:10:22,440 --> 00:10:20,680
honest it's it's it's difficult

208
00:10:24,030 --> 00:10:22,450
fortunately there's a phone on the space

209
00:10:26,760 --> 00:10:24,040
station there's email we can communicate

210
00:10:31,590 --> 00:10:26,770
and I'm looking forward to getting back

211
00:10:33,630 --> 00:10:31,600
there tomorrow what a wake-up call you

212
00:10:40,590 --> 00:10:33,640
got Sunday morning with that song from

213
00:10:42,990 --> 00:10:40,600

your wife what does it mean to you well

214

00:10:45,450 --> 00:10:43,000

that's one of her favorite bands of all

215

00:10:50,040 --> 00:10:45,460

time is calexico they're from Tucson

216

00:10:52,079 --> 00:10:50,050

Arizona and you know I before this

217

00:10:53,490 --> 00:10:52,089

happened in January I wasn't you know

218

00:10:56,730 --> 00:10:53,500

didn't listen to them a lot but she

219

00:10:59,460 --> 00:10:56,740

listens to calexico in her room so I you

220

00:11:01,170 --> 00:10:59,470

know I really enjoy it now and since it

221

00:11:05,070 --> 00:11:01,180

came up from from Gabby was really

222

00:11:10,550 --> 00:11:05,080

really special the first thing you plan

223

00:11:18,960 --> 00:11:17,220

probably i'm back for the rest of you

224

00:11:21,210 --> 00:11:18,970

guys what are you most looking forward

225

00:11:23,100 --> 00:11:21,220

to having being finished with this

226

00:11:26,430 --> 00:11:23,110

mission and what does it been like to

227

00:11:52,430 --> 00:11:26,440

look out it's the world those spacewalks

228

00:12:03,360 --> 00:11:55,050

if you could just turn that my for

229

00:12:05,430 --> 00:12:03,370

me it has been my first experience with

230

00:12:07,890 --> 00:12:05,440

the space shuttle I flew before on the

231

00:12:10,650 --> 00:12:07,900

Russian side it has been a very unique

232

00:12:14,220 --> 00:12:10,660

experience to stay and to work with my

233

00:12:16,770 --> 00:12:14,230

crew the mission is coming to an end and

234

00:12:18,480 --> 00:12:16,780

very pleased the way he went and they

235

00:12:21,090 --> 00:12:18,490

look forward to see my wife while area

236

00:12:23,520 --> 00:12:21,100

in my three kids Eduardo da vida Enrico

237

00:12:25,530 --> 00:12:23,530

would they will be waiting for me

238

00:12:29,490 --> 00:12:25,540

together with all the other families

239

00:12:32,550 --> 00:12:29,500

after the kennedy space center in that

240

00:12:46,300 --> 00:12:32,560

space walk looking back and seeing the

241

00:12:51,050 --> 00:12:49,129

yeah it's a really special to be out

242

00:12:53,540 --> 00:12:51,060

there on a spacewalk because there's

243

00:12:55,340 --> 00:12:53,550

just a you know quarter inch of

244

00:12:57,439 --> 00:12:55,350

plexiglass between you and the rest of

245

00:13:00,410 --> 00:12:57,449

the universe and and you can look down

246

00:13:02,210 --> 00:13:00,420

and see our planet zoom by its 17,500

247

00:13:04,220 --> 00:13:02,220

miles an hour and you can see the rest

248

00:13:06,379 --> 00:13:04,230

of the cosmos in front of you but mainly

249

00:13:08,509 --> 00:13:06,389

we look at our work but it's really

250

00:13:10,910 --> 00:13:08,519

breathhtaking view and I was glad to

251
00:13:13,250 --> 00:13:10,920
share it with both drew Feustel and Greg

252
00:13:15,439 --> 00:13:13,260
Shama tov along with the guys inside

253
00:13:17,689 --> 00:13:15,449
helping us out and even taking pictures

254
00:13:19,670 --> 00:13:17,699
it was definitely an enjoyable

255
00:13:21,379 --> 00:13:19,680
experience but one thing I always want

256
00:13:23,629 --> 00:13:21,389
to make sure is everyone knows it is not

257
00:13:25,610 --> 00:13:23,639
easy that's never there's never an easy

258
00:13:28,189 --> 00:13:25,620
spacewalk they're all really difficult I

259
00:13:29,629 --> 00:13:28,199
sometimes like at least in my mind think

260
00:13:34,990 --> 00:13:29,639
it's just as tough to climb Mount

261
00:13:39,350 --> 00:13:37,250
endeavour this is Houston ACR that

262
00:13:41,360 --> 00:13:39,360
concludes the CBS News portion of the

263
00:14:00,290 --> 00:13:41,370

event please stand by for a voice check

264

00:14:00,300 --> 00:14:04,780

endeavor this is CNN how do you hear me

265

00:14:11,040 --> 00:14:06,890

we've got you loud and clear is this

266

00:14:20,990 --> 00:14:16,199

it is commander how are you yeah we're

267

00:14:24,960 --> 00:14:23,730

I'm doing great as well down here let me

268

00:14:27,000 --> 00:14:24,970

ask you let me start with the

269

00:14:29,310 --> 00:14:27,010

conversation and Commander you feel free

270

00:14:31,949 --> 00:14:29,320

to steer the conversation around any way

271

00:14:34,440 --> 00:14:31,959

you want just as you begin prepare to

272

00:14:36,420 --> 00:14:34,450

come home and you look down I guess I'm

273

00:14:38,880 --> 00:14:36,430

tempted to ask knowing that this is your

274

00:14:40,290 --> 00:14:38,890

last shuttle mission like a vacation of

275

00:14:41,759 --> 00:14:40,300

the Grand Canyon or you're tempted to

276

00:14:47,940 --> 00:14:41,769

call down and say can we extend the

277

00:14:51,030 --> 00:14:47,950

rental a little bit that John these uh

278

00:14:52,680 --> 00:14:51,040

these missions are really complex you

279

00:14:55,319 --> 00:14:52,690

know there's a lot of risk and we

280

00:14:58,470 --> 00:14:55,329

develop a you know a plan way ahead of

281

00:15:01,590 --> 00:14:58,480

time yeah it would be nice to have an

282

00:15:03,150 --> 00:15:01,600

additional day in space to look down at

283

00:15:06,150 --> 00:15:03,160

our beautiful planet and just enjoy

284

00:15:07,860 --> 00:15:06,160

being in zero gravity but tomorrow's the

285

00:15:10,079 --> 00:15:07,870

right time for us to come home and if

286

00:15:11,910 --> 00:15:10,089

the weather holds up we've got a little

287

00:15:13,319 --> 00:15:11,920

bit of a crosswind issue we're looking

288

00:15:16,470 --> 00:15:13,329

at but if the weather holds up will

289

00:15:21,079 --> 00:15:16,480

hopefully be on the runway at about 22

290

00:15:25,949 --> 00:15:23,369

Mike if I got the stats right here

291

00:15:28,559 --> 00:15:25,959

you've had 26 hours on six spacewalks

292

00:15:30,420 --> 00:15:28,569

during your career I'm just wondering i

293

00:15:31,920 --> 00:15:30,430

know it's work out there and your time is

294

00:15:34,769 --> 00:15:31,930

limited and you've got a lot to get done

295

00:15:37,049 --> 00:15:34,779

but knowing that you won't be flying off

296

00:15:39,480 --> 00:15:37,059

the side of a shuttle again did you take

297

00:15:45,049 --> 00:15:39,490

any extra time on this trip just to

298

00:15:51,329 --> 00:15:49,049

yes I absolutely did each time you get

299

00:15:53,759 --> 00:15:51,339

to do a spacewalk it's a it's a lot of

300

00:15:56,489 --> 00:15:53,769

work but it's also very much a blessing

301
00:15:59,040 --> 00:15:56,499
and since those six spacewalks on the

302
00:16:02,009 --> 00:15:59,050
Russian side I had three spacewalks out

303
00:16:03,869 --> 00:16:02,019
of four here on our mission so it's a

304
00:16:05,730 --> 00:16:03,879
total of nine now I can't believe it I

305
00:16:08,879 --> 00:16:05,740
didn't even think I'd ever do get to do

306
00:16:10,410 --> 00:16:08,889
one but it's always good to especially

307
00:16:12,710 --> 00:16:10,420
near the end of space walk when you know

308
00:16:16,619 --> 00:16:12,720
you got most of your tasks done just

309
00:16:18,389 --> 00:16:16,629
hold on tight and look out over the over

310
00:16:20,160 --> 00:16:18,399
the edge and look at planet Earth go by

311
00:16:22,379 --> 00:16:20,170
or look up and see the moon and the

312
00:16:27,319 --> 00:16:22,389
stars and the planets and look forward

313
00:16:32,749 --> 00:16:31,160

and Greg Johnson 4,000 hours 40

314

00:16:35,239 --> 00:16:32,759
different aircraft on your second

315

00:16:36,889 --> 00:16:35,249
spaceflight we're obviously in a

316

00:16:38,600 --> 00:16:36,899
transition a lot of questions about the

317

00:16:41,030 --> 00:16:38,610
future of the American manned space

318

00:16:42,590 --> 00:16:41,040
program what goes through your mind when

319

00:16:44,389 --> 00:16:42,600
you're zipping around you disconnect

320

00:16:50,539 --> 00:16:44,399
from the space station and now you're

321

00:16:53,359 --> 00:16:50,549
preparing to come home well what occurs

322

00:16:56,660 --> 00:16:53,369
to me is how special it is yesterday we

323

00:17:01,129 --> 00:16:56,670
did undock and fly around and the space

324

00:17:05,029 --> 00:17:01,139
station was absolutely spectacular this

325

00:17:07,309 --> 00:17:05,039
mission we put the final touches as far

326
00:17:09,289 --> 00:17:07,319
as the Assembly of the space station so

327
00:17:12,769 --> 00:17:09,299
we can declare the space station

328
00:17:15,860 --> 00:17:12,779
complete and in doing so the space

329
00:17:18,889 --> 00:17:15,870
station is so huge that even when we

330
00:17:22,069 --> 00:17:18,899
back off to 600 feet we can barely catch

331
00:17:24,620 --> 00:17:22,079
the entire space station in our field of

332
00:17:26,689 --> 00:17:24,630
view as we traveled all the way around

333
00:17:30,049 --> 00:17:26,699
the space station we were taking

334
00:17:32,000 --> 00:17:30,059
wonderful photographs and and so being a

335
00:17:33,889 --> 00:17:32,010
part of this mission and being a part of

336
00:17:35,690 --> 00:17:33,899
the completion of the space station and

337
00:17:37,700 --> 00:17:35,700
the retirement of the space shuttle I

338
00:17:42,500 --> 00:17:37,710

can't think of a better thing that an

339

00:17:49,100 --> 00:17:42,510

aviator would like to it be a part of in

340

00:17:51,830 --> 00:17:49,110

his career and drew in 10 years five

341

00:17:53,990 --> 00:17:51,840

years maybe 15 years what will some kid

342

00:17:55,669 --> 00:17:54,000

be learning in science class that they

343

00:18:01,000 --> 00:17:55,679

will trace back to the last flight of

344

00:18:04,519 --> 00:18:01,010

the shuttle endeavour well i hope that

345

00:18:07,330 --> 00:18:04,529

AMS will have a long legacy and help

346

00:18:09,649 --> 00:18:07,340

unravel more secrets of the universe

347

00:18:11,840 --> 00:18:09,659

complementing those that Hubble has

348

00:18:13,100 --> 00:18:11,850

helped revealed as well and I think that

349

00:18:14,450 --> 00:18:13,110

that's what's been important for me

350

00:18:16,310 --> 00:18:14,460

personally is to know that we've

351

00:18:17,389 --> 00:18:16,320
contributed to science and will

352

00:18:19,220 --> 00:18:17,399
contribute to science and the

353

00:18:21,560 --> 00:18:19,230
understanding of the universe for

354

00:18:23,269 --> 00:18:21,570
decades generations to come I think

355

00:18:28,440 --> 00:18:23,279
that's pretty special and we look

356

00:18:33,960 --> 00:18:30,900
do you have commander Kelly to you at

357

00:18:35,580 --> 00:18:33,970
any any apprehension as we go through

358

00:18:38,010 --> 00:18:35,590
this transition you're the second last

359

00:18:39,420 --> 00:18:38,020
shuttle flight the final mission will

360

00:18:42,150 --> 00:18:39,430
take place just a few weeks down the

361

00:18:44,370 --> 00:18:42,160
road any apprehension that in this

362

00:18:46,260 --> 00:18:44,380
period of transition something will be

363

00:18:48,600 --> 00:18:46,270

lost whether its scientific discovery or

364

00:18:53,550 --> 00:18:48,610

just the great sense of adventure that

365

00:18:55,650 --> 00:18:53,560

is manned spaceflight I don't think the

366

00:18:59,010 --> 00:18:55,660

adventure will be lost i think what's

367

00:19:01,920 --> 00:18:59,020

always at risk is as we transition to a

368

00:19:03,380 --> 00:19:01,930

new new program in a new vehicle there's

369

00:19:05,430 --> 00:19:03,390

going to be a period of time when

370

00:19:07,470 --> 00:19:05,440

Americans aren't flying on u.s.

371

00:19:09,780 --> 00:19:07,480

spacecraft so that's a challenge you

372

00:19:12,090 --> 00:19:09,790

know people leave you know engineers and

373

00:19:13,620 --> 00:19:12,100

operations people will move on and do

374

00:19:15,720 --> 00:19:13,630

other things so it's the it's the

375

00:19:19,740 --> 00:19:15,730

corporate memory that I think I'm most

376

00:19:22,080 --> 00:19:19,750

worried about as people go but you know

377

00:19:23,940 --> 00:19:22,090

over time we'll get the right mix of

378

00:19:27,390 --> 00:19:23,950

people and NASA has an incredible

379

00:19:31,080 --> 00:19:27,400

workforce it's very talented and you

380

00:19:33,570 --> 00:19:31,090

know from the late 1950s to today we

381

00:19:37,020 --> 00:19:33,580

take on great challenges and we've we've

382

00:19:39,390 --> 00:19:37,030

we've never failed up so you know I

383

00:19:41,220 --> 00:19:39,400

think that the future is bright there's

384

00:19:43,740 --> 00:19:41,230

going to be a period of time where we're

385

00:19:48,000 --> 00:19:43,750

going to develop our next generation of

386

00:19:50,160 --> 00:19:48,010

launch vehicles and it'll be a you know

387

00:19:56,100 --> 00:19:50,170

a challenging transition but I expect

388

00:19:58,080 --> 00:19:56,110

you know great things you made a tough

389

00:20:00,840 --> 00:19:58,090

personal decision a tough family

390

00:20:02,940 --> 00:20:00,850

decision to take this mission with your

391

00:20:04,380 --> 00:20:02,950

wife still in a very delicate stage of

392

00:20:07,020 --> 00:20:04,390

her recovery while you've been up in

393

00:20:08,760 --> 00:20:07,030

space she has had surgery it was

394

00:20:10,560 --> 00:20:08,770

obviously a tough call any moments

395

00:20:11,910 --> 00:20:10,570

during the mission from when you took

396

00:20:13,650 --> 00:20:11,920

off and now as you prepare to come home

397

00:20:18,930 --> 00:20:13,660

where you question that Colin said oh

398

00:20:21,870 --> 00:20:18,940

boy should I be here no I don't I don't

399

00:20:26,100 --> 00:20:21,880

have any regrets we trained as a crew

400

00:20:29,040 --> 00:20:26,110

the six of us for over a year and a half

401
00:20:31,140 --> 00:20:29,050
to get ready for this flight so when

402
00:20:33,510 --> 00:20:31,150
january eight happened when that day

403
00:20:35,520 --> 00:20:33,520
came didn't look likely that i would be

404
00:20:37,920 --> 00:20:35,530
on this flight but her recovery went

405
00:20:41,430 --> 00:20:37,930
well enough and things lined up with her

406
00:20:42,000 --> 00:20:41,440
being able to go to rehab in houston

407
00:20:44,280 --> 00:20:42,010
that

408
00:20:47,280 --> 00:20:44,290
was able to rejoin my crew and complete

409
00:20:50,700 --> 00:20:47,290
this mission certainly no regrets there

410
00:20:53,820 --> 00:20:50,710
are periods of time over the last 16

411
00:20:55,590 --> 00:20:53,830
days that you know you you know you miss

412
00:20:58,350 --> 00:20:55,600
your wife and your kids and I think

413
00:21:00,240 --> 00:20:58,360

that's true for all of us but in

414

00:21:01,770 --> 00:21:00,250

hindsight it was absolutely the right

415

00:21:03,480 --> 00:21:01,780

decision we got all of our mission

416

00:21:06,180 --> 00:21:03,490

objectives done we did for very

417

00:21:08,040 --> 00:21:06,190

challenging spacewalks we got the AMS

418

00:21:10,350 --> 00:21:08,050

installed and another payload on the

419

00:21:15,170 --> 00:21:10,360

outside of the space station so for me

420

00:21:18,900 --> 00:21:17,400

gentlemen thanks for your time have a

421

00:21:23,550 --> 00:21:18,910

wonderful final moments to your journey

422

00:21:30,240 --> 00:21:23,560

we'll see you back on earth you're

423

00:21:32,460 --> 00:21:30,250

welcome John endeavour this is Houston

424

00:21:34,530 --> 00:21:32,470

ACR that concludes the CNN portion of

425

00:21:40,440 --> 00:21:34,540

the event please stand by for a voice

426

00:21:42,780 --> 00:21:40,450

check from NBC News and Deborah this is

427

00:21:47,730 --> 00:21:42,790

NBC News Washington Tom Costello hello

428

00:21:51,780 --> 00:21:47,740

gentlemen can you hear me yes tom we

429

00:21:54,480 --> 00:21:51,790

have you loud and clear nice to see all

430

00:21:56,310 --> 00:21:54,490

of you and NBC follows a falls in the

431

00:22:00,390 --> 00:21:56,320

alphabet here's one third so you got a

432

00:22:02,490 --> 00:22:00,400

still be original ok here we go you guys

433

00:22:04,020 --> 00:22:02,500

are on the last mission of endeavor the

434

00:22:07,020 --> 00:22:04,030

second to last mission for the space

435

00:22:08,610 --> 00:22:07,030

shuttle fleet and your your space

436

00:22:10,740 --> 00:22:08,620

shuttle there is headed for a california

437

00:22:16,430 --> 00:22:10,750

museum is this a bittersweet moment for

438

00:22:18,990 --> 00:22:16,440

you guys it is really bittersweet this

439

00:22:22,380 --> 00:22:19,000

endeavors performed really really well

440

00:22:24,630 --> 00:22:22,390

for us over these 16 days as it has

441

00:22:26,760 --> 00:22:24,640

since you know it's its first flight

442

00:22:28,770 --> 00:22:26,770

it's been a great space ship when we

443

00:22:30,990 --> 00:22:28,780

land in Florida tomorrow it's going to

444

00:22:34,050 --> 00:22:31,000

roll into the hangar and get prepared

445

00:22:36,720 --> 00:22:34,060

for you know the next step and next

446

00:22:38,910 --> 00:22:36,730

phase of its life which is in a museum

447

00:22:40,920 --> 00:22:38,920

and I imagine millions of people

448

00:22:42,750 --> 00:22:40,930

hopefully millions of people a year will

449

00:22:44,580 --> 00:22:42,760

get to enjoy getting up close to the

450

00:22:46,410 --> 00:22:44,590

space shuttle it's going to be in

451

00:22:49,770 --> 00:22:46,420

California I think we all look forward

452

00:22:53,430 --> 00:22:49,780

to to visit visiting it in in the

453

00:22:54,870 --> 00:22:53,440

science museum there but it is it is a

454

00:22:58,070 --> 00:22:54,880

bittersweet moment it's been a great

455

00:23:04,259 --> 00:23:01,289

some of NASA's legends some astronauts

456

00:23:05,879 --> 00:23:04,269

have written a letter to NASA the last

457

00:23:08,100 --> 00:23:05,889

couple of days and to President Obama

458

00:23:10,080 --> 00:23:08,110

they include Gene Cernan Neil Armstrong

459

00:23:12,960 --> 00:23:10,090

and Jim Lovell who say that human

460

00:23:14,730 --> 00:23:12,970

spaceflight program is in disarray and

461

00:23:16,680 --> 00:23:14,740

if you agree with that given the the

462

00:23:18,180 --> 00:23:16,690

state of where NASA is going now are you

463

00:23:24,330 --> 00:23:18,190

concerned about the future of human

464

00:23:27,480 --> 00:23:24,340

space flight you know I think we're

465

00:23:29,369 --> 00:23:27,490

we're always concerned about about the

466

00:23:31,440 --> 00:23:29,379

future I mean this is our careers it's

467

00:23:33,659 --> 00:23:31,450

been our careers for a long period of

468

00:23:35,850 --> 00:23:33,669

time and it's a difficult transition

469

00:23:37,529 --> 00:23:35,860

period we're going to retire the space

470

00:23:40,440 --> 00:23:37,539

shuttle it's going to take us probably

471

00:23:43,259 --> 00:23:40,450

five or six years to have a new

472

00:23:45,269 --> 00:23:43,269

spacecraft ready to launch us crew

473

00:23:47,909 --> 00:23:45,279

members on in that period of time will

474

00:23:50,549 --> 00:23:47,919

continue to fly on the Russian Soyuz we

475

00:23:52,619 --> 00:23:50,559

have a very capable space station that

476

00:23:54,869 --> 00:23:52,629

we're going to continue to operate the

477

00:23:56,549 --> 00:23:54,879

u.s. segment of the space station it's a

478

00:24:00,629 --> 00:23:56,559

very capable laboratory we have a

479

00:24:02,279 --> 00:24:00,639

European lab a Japanese lab on board but

480

00:24:04,350 --> 00:24:02,289

you know transitions are sometimes

481

00:24:07,230 --> 00:24:04,360

difficult but you know we have

482

00:24:10,320 --> 00:24:07,240

confidence in in NASA and NASA

483

00:24:12,539 --> 00:24:10,330

management that that you know will steer

484

00:24:15,629 --> 00:24:12,549

through this period of time and come out

485

00:24:17,759 --> 00:24:15,639

on the other side with a really vibrant

486

00:24:19,799 --> 00:24:17,769

space program hopefully we'll get an

487

00:24:22,619 --> 00:24:19,809

opportunity to go back to the moon or go

488

00:24:27,440 --> 00:24:22,629

on to Mars an asteroid I mean we're

489

00:24:33,029 --> 00:24:29,580

commander Kelly I know you appreciate

490

00:24:34,489 --> 00:24:33,039

the concern and how everybody here on

491

00:24:37,080 --> 00:24:34,499

earth has has been watching so closely

492

00:24:38,580 --> 00:24:37,090

how your wife congresswoman Giffords is

493

00:24:40,769 --> 00:24:38,590

doing can you give us an update I know

494

00:24:42,779 --> 00:24:40,779

you've been speaking regularly to her

495

00:24:45,090 --> 00:24:42,789

from space and how was her progress

496

00:24:50,730 --> 00:24:45,100

after that surgery about a week or so

497

00:24:53,159 --> 00:24:50,740

ago I do really appreciate everybody's

498

00:24:55,379 --> 00:24:53,169

you know their interest the cards the

499

00:24:57,299 --> 00:24:55,389

letters that you know the fact that

500

00:24:59,369 --> 00:24:57,309

people really really do care about how

501
00:25:00,869 --> 00:24:59,379
she's doing and that's really important

502
00:25:02,909 --> 00:25:00,879
to me important to the kids it's

503
00:25:05,099 --> 00:25:02,919
important to her you know we tell her

504
00:25:08,050 --> 00:25:05,109
that frequently she's not a big TV

505
00:25:11,020 --> 00:25:08,060
watcher but she she reached the paper

506
00:25:12,880 --> 00:25:11,030
and we talked to her about that and she

507
00:25:17,440 --> 00:25:12,890
doesn't quite understand the magnitude

508
00:25:18,760 --> 00:25:17,450
of the interest in in her condition but

509
00:25:22,570 --> 00:25:18,770
she's doing really really well the

510
00:25:25,030 --> 00:25:22,580
surgery went as good as dr. Kim that

511
00:25:26,830 --> 00:25:25,040
memorial hermann could expect I mean he

512
00:25:31,230 --> 00:25:26,840
was really happy with the outcome she

513
00:25:36,820 --> 00:25:34,840

and I certainly could tell the

514

00:25:39,790 --> 00:25:36,830

difference on the phone and speaking to

515

00:25:41,260 --> 00:25:39,800

her so she's she's improving continuing

516

00:25:45,960 --> 00:25:41,270

to improve every day and I'm looking

517

00:25:52,510 --> 00:25:50,320

Mike faked a record 380 days in space

518

00:25:54,580 --> 00:25:52,520

nine spacewalks you hold the record for

519

00:25:57,640 --> 00:25:54,590

an American astronaut and you're about

520

00:26:00,460 --> 00:25:57,650

to touch down I'm wondering what your

521

00:26:03,040 --> 00:26:00,470

feeling about about your space career

522

00:26:07,710 --> 00:26:03,050

and about the state of the shuttle

523

00:26:13,180 --> 00:26:10,720

well the state of my career I'm very

524

00:26:16,210 --> 00:26:13,190

happy I all my life I just wanted to go

525

00:26:18,610 --> 00:26:16,220

into space for one orbit and I made it I

526
00:26:20,110 --> 00:26:18,620
didn't realize I'd you know spend three

527
00:26:22,600 --> 00:26:20,120
hundred eighty days up here and I've

528
00:26:25,060 --> 00:26:22,610
enjoyed every day and the spacewalks

529
00:26:27,550 --> 00:26:25,070
have just been amazing and breathtaking

530
00:26:29,470 --> 00:26:27,560
and I owe it all to my family for their

531
00:26:31,480 --> 00:26:29,480
support my wife has been a saint through

532
00:26:33,040 --> 00:26:31,490
this whole thing as far as where we're

533
00:26:34,840 --> 00:26:33,050
going well we've built a really great

534
00:26:36,250 --> 00:26:34,850
outpost in space International Space

535
00:26:40,240 --> 00:26:36,260
Station we've learned how to live in

536
00:26:42,280 --> 00:26:40,250
space I mean 380 days is is is proof of

537
00:26:44,260 --> 00:26:42,290
that so we know how to live in space now

538
00:26:45,910 --> 00:26:44,270

let's we're getting ready to take the

539

00:26:47,290 --> 00:26:45,920

next step and to start to explore

540

00:26:49,360 --> 00:26:47,300

further and I'm looking forward to that

541

00:26:50,590 --> 00:26:49,370

and I'm hoping my career takes me there

542

00:26:52,660 --> 00:26:50,600

and if it doesn't take me there

543

00:26:57,060 --> 00:26:52,670

personally I'll be there supporting the

544

00:27:01,889 --> 00:26:59,759

and Colonel Johnson if I get one last

545

00:27:03,870 --> 00:27:01,899

question in I'll ask you bittersweet as

546

00:27:10,350 --> 00:27:03,880

you watch the Endeavour program come to

547

00:27:14,100 --> 00:27:10,360

an end it's very bittersweet this

548

00:27:16,230 --> 00:27:14,110

wonderful vehicle has gone on 24

549

00:27:19,590 --> 00:27:16,240

previous Shuttle missions where the 25th

550

00:27:21,659 --> 00:27:19,600

is the newest of the shuttle fleet and I

551
00:27:23,370 --> 00:27:21,669
just love this vehicle I fell in love

552
00:27:27,149 --> 00:27:23,380
with this vehicle the first time I got

553
00:27:30,240 --> 00:27:27,159
to fly three years ago on sts-1 23 she's

554
00:27:32,129 --> 00:27:30,250
performed magnificently absolutely no

555
00:27:34,799 --> 00:27:32,139
warnings or cautions on the way up

556
00:27:37,619 --> 00:27:34,809
nothing broke this this vehicle is a

557
00:27:39,360 --> 00:27:37,629
wonderful machine and it's an honor and

558
00:27:43,619 --> 00:27:39,370
a privilege for each one of us to be

559
00:27:45,060 --> 00:27:43,629
part of her final flight thank you

560
00:27:53,159 --> 00:27:45,070
gentlemen we wish you a safe trip home

561
00:27:55,619 --> 00:27:53,169
thank you so much add ever this is

562
00:27:57,509 --> 00:27:55,629
Houston ACR that concludes the NBC News

563
00:28:03,629 --> 00:27:57,519

portion of the event please stand by for

564

00:28:06,090 --> 00:28:03,639

a voice check from fox news radio and

565

00:28:14,999 --> 00:28:06,100

ever this is fox news radio how do you

566

00:28:16,769 --> 00:28:15,009

hear me we have you loud and clear good

567

00:28:18,450 --> 00:28:16,779

evening this is evan brown talking to

568

00:28:21,180 --> 00:28:18,460

you from miami thank you all for taking

569

00:28:22,860 --> 00:28:21,190

the time to do this firstly a captain

570

00:28:24,570 --> 00:28:22,870

Kelly Colonel Johnson you're getting

571

00:28:26,399 --> 00:28:24,580

ready to put endeavour down for her very

572

00:28:28,529 --> 00:28:26,409

last time what's going through your

573

00:28:30,480 --> 00:28:28,539

heads how big of a moment is this for

574

00:28:32,129 --> 00:28:30,490

you guys both as astronauts and pilots

575

00:28:33,960 --> 00:28:32,139

and and who gets to have their hand on

576

00:28:35,999 --> 00:28:33,970

the stick for this and and what if folks

577

00:28:41,730 --> 00:28:36,009

do you folks like you guys do next

578

00:28:43,230 --> 00:28:41,740

without a space shuttle to fly yes it's

579

00:28:45,180 --> 00:28:43,240

always a big moment in the mission the

580

00:28:47,220 --> 00:28:45,190

space shuttle is a big lighter there's

581

00:28:49,799 --> 00:28:47,230

no engines for landing I mean we have

582

00:28:52,409 --> 00:28:49,809

this incredible amount of thrust and

583

00:28:55,110 --> 00:28:52,419

power for liftoff and then we glide home

584

00:28:57,720 --> 00:28:55,120

very steep glide slope Space Shuttle has

585

00:29:00,119 --> 00:28:57,730

really short and stubby wings so we

586

00:29:01,799 --> 00:29:00,129

practice the landing a lot and i'll do

587

00:29:04,200 --> 00:29:01,809

the landing tomorrow it'll be about two

588

00:29:07,019 --> 00:29:04,210

in the morning we're hoping for good

589

00:29:08,549 --> 00:29:07,029

weather but it's it's it's a big moment

590

00:29:10,259 --> 00:29:08,559

in the mission to get safely back to

591

00:29:10,980 --> 00:29:10,269

earth i think everybody i think these

592

00:29:12,540 --> 00:29:10,990

guys are looking

593

00:29:19,919 --> 00:29:12,550

forward to a soft landing I'm going to

594

00:29:22,710 --> 00:29:19,929

try to give them one we are we're going

595

00:29:24,840 --> 00:29:22,720

to have a night landing tomorrow morning

596

00:29:27,720 --> 00:29:24,850

or super late at night depending on how

597

00:29:29,310 --> 00:29:27,730

you look at it and my previous flight we

598

00:29:31,620 --> 00:29:29,320

had a night landing as well this will be

599

00:29:35,790 --> 00:29:31,630

marks first night landing so as his

600

00:29:38,820 --> 00:29:35,800

pilot my job is to contribute in any way

601
00:29:41,340 --> 00:29:38,830
that I can to back him up and support

602
00:29:43,740 --> 00:29:41,350
the landing we're both trained almost

603
00:29:45,540 --> 00:29:43,750
one might say over train because we've

604
00:29:48,840 --> 00:29:45,550
been training for many many years to

605
00:29:50,970 --> 00:29:48,850
land of shuttles and I'm looking forward

606
00:29:56,310 --> 00:29:50,980
to this landing at Kennedy Space Center

607
00:29:58,080 --> 00:29:56,320
early Wednesday morning I thank you all

608
00:29:59,760 --> 00:29:58,090
we've just been told our satellite

609
00:30:01,650 --> 00:29:59,770
window is ending but thank you all and

610
00:30:03,360 --> 00:30:01,660
good luck to everyone and we hope to see

611
00:30:07,620 --> 00:30:03,370
you tomorrow night at the in Florida

612
00:30:12,030 --> 00:30:07,630
take care fly safe you're you're very

613
00:30:14,160 --> 00:30:12,040

welcome great talking to you endeavour

614

00:30:21,150 --> 00:30:14,170

this is Houston ACR that concludes the

615

00:30:22,860 --> 00:30:21,160

event thank you you're welcome endeavour

616

00:30:25,260 --> 00:30:22,870

Houston real nice job gentlemen a

617

00:30:29,460 --> 00:30:25,270

special thanks to ABC News CBS News CNN

618

00:30:31,290 --> 00:30:29,470

NBC News in Fox News Radio and endeavour