



1
00:00:07,269 --> 00:00:02,470
discovery iss this is abc world news how

2
00:00:10,870 --> 00:00:09,589
good morning abc we have you loud and

3
00:00:12,230 --> 00:00:10,880
clear welcome aboard the international

4
00:00:15,110 --> 00:00:12,240
space station we're ready for your

5
00:00:15,120 --> 00:00:21,590
how's your day been so far commander

6
00:00:25,269 --> 00:00:23,269
we've been real busy today we're uh

7
00:00:26,710 --> 00:00:25,279
still working on a lot of cargo transfer

8
00:00:31,589 --> 00:00:26,720
and we're getting ready for one of our

9
00:00:35,750 --> 00:00:33,510
all right now this is a this is a really

10
00:00:37,270 --> 00:00:35,760
dumb question why are you bouncing up

11
00:00:42,869 --> 00:00:37,280
and down

12
00:00:46,630 --> 00:00:44,470
i i guess they're holding themselves

13
00:00:48,869 --> 00:00:46,640

down a little better than i am

14

00:00:50,630 --> 00:00:48,879

it's really uh we have these uh

15

00:00:53,110 --> 00:00:50,640

these uh loops that we can put our feet

16

00:00:57,110 --> 00:00:53,120

in and uh if you just lightly bend your

17

00:01:01,189 --> 00:00:59,670

oh i see you you have loops that around

18

00:01:05,990 --> 00:01:01,199

your feet right now there's no way for

19

00:01:10,830 --> 00:01:07,670

not right now but if you let go you just

20

00:01:14,070 --> 00:01:10,840

float up you see

21

00:01:16,310 --> 00:01:14,080

those oh i see okay

22

00:01:17,350 --> 00:01:16,320

all right

23

00:01:23,510 --> 00:01:17,360

it's

24

00:01:26,070 --> 00:01:23,520

ask if i can pilot jim dutton and also

25

00:01:26,950 --> 00:01:26,080

specialists that kept lindenberger since

26

00:01:29,429 --> 00:01:26,960

you're

27

00:01:31,670 --> 00:01:29,439

newcomers here first timers

28

00:01:38,789 --> 00:01:31,680

what surprised you the most what was the

29

00:01:43,670 --> 00:01:41,590

well for me diane it was just the beauty

30

00:01:45,270 --> 00:01:43,680

of the earth i i was actually looking

31

00:01:47,990 --> 00:01:45,280

forward to that the most of everything

32

00:01:50,550 --> 00:01:48,000

but it still stunned me how beautiful it

33

00:01:53,670 --> 00:01:50,560

is to look back on the earth to see the

34

00:01:55,830 --> 00:01:53,680

curvature um the colors the sunrise the

35

00:01:58,550 --> 00:01:55,840

very first sunrise we saw in space was

36

00:02:01,030 --> 00:01:58,560

on our launch at about mach 7 as we were

37

00:02:02,630 --> 00:02:01,040

going uphill to space all of a sudden

38

00:02:03,749 --> 00:02:02,640

these brilliant colors appeared on the

39

00:02:06,069 --> 00:02:03,759

horizon

40

00:02:07,990 --> 00:02:06,079

and dex called for me to look out his

41

00:02:09,830 --> 00:02:08,000

window and see it and then as we rolled

42

00:02:11,589 --> 00:02:09,840

the heads up that horizon just spun in

43

00:02:12,869 --> 00:02:11,599

front of us with all those colors it was

44

00:02:13,750 --> 00:02:12,879

amazing

45

00:02:15,589 --> 00:02:13,760

we've

46

00:02:17,030 --> 00:02:15,599

done a number of passes over all the

47

00:02:19,510 --> 00:02:17,040

different continents

48

00:02:22,710 --> 00:02:19,520

and it's just stunning to see it from

49

00:02:24,229 --> 00:02:22,720

this vantage point

50

00:02:31,509 --> 00:02:24,239

does it make you think differently about

51
00:02:34,949 --> 00:02:33,190
i'm sorry diane can you say that again

52
00:02:36,869 --> 00:02:34,959
yes

53
00:02:38,710 --> 00:02:36,879
yeah jim i was just asking if it makes

54
00:02:44,630 --> 00:02:38,720
you feel differently about this little

55
00:02:49,190 --> 00:02:46,790
it does actually um

56
00:02:50,630 --> 00:02:49,200
you know as beautiful as earth is from

57
00:02:51,990 --> 00:02:50,640
up here you definitely get the

58
00:02:53,910 --> 00:02:52,000
perspective that we need to do

59
00:02:55,589 --> 00:02:53,920
everything we can to take care of it and

60
00:02:57,430 --> 00:02:55,599
uh i think i'll be even more

61
00:03:01,030 --> 00:02:57,440
conscientious about recycling my coke

62
00:03:09,750 --> 00:03:02,630
if not you

63
00:03:14,710 --> 00:03:12,630

and i agree with jim um

64

00:03:17,270 --> 00:03:14,720

last night before we were going to bed

65

00:03:18,550 --> 00:03:17,280

it was daylight over the west coast and

66

00:03:21,190 --> 00:03:18,560

although i didn't grow up on the west

67

00:03:22,949 --> 00:03:21,200

coast jim did but i spent a good chunk

68

00:03:24,630 --> 00:03:22,959

of my life out there going to college

69

00:03:27,589 --> 00:03:24,640

and teaching

70

00:03:29,509 --> 00:03:27,599

and we came up over

71

00:03:31,509 --> 00:03:29,519

portland oregon and we could pick it out

72

00:03:33,830 --> 00:03:31,519

and then we came down through

73

00:03:36,630 --> 00:03:33,840

the rockies and then we even came over

74

00:03:38,229 --> 00:03:36,640

our new home in houston and

75

00:03:39,990 --> 00:03:38,239

it's just looking at the earth never

76
00:03:42,309 --> 00:03:40,000
gets old and the other thing that never

77
00:03:46,309 --> 00:03:42,319
gets old is floating i think floating is

78
00:03:50,789 --> 00:03:48,470
uh let me ask you about daddy is the

79
00:03:52,869 --> 00:03:50,799
story true that you were teaching

80
00:03:55,190 --> 00:03:52,879
astronomy in high school

81
00:04:00,789 --> 00:03:55,200
in school and you went on a website and

82
00:04:06,070 --> 00:04:03,509
yeah that's a true story um i taught

83
00:04:08,470 --> 00:04:06,080
astronomy to juniors and seniors and i

84
00:04:10,070 --> 00:04:08,480
tried to um make sure that their their

85
00:04:13,270 --> 00:04:10,080
questions were answered and we were

86
00:04:15,190 --> 00:04:13,280
doing a short unit on humans in space

87
00:04:17,349 --> 00:04:15,200
and a student asked how do you go to the

88
00:04:19,110 --> 00:04:17,359

bathroom in space and

89

00:04:21,110 --> 00:04:19,120

i didn't know exactly what the toilet

90

00:04:22,790 --> 00:04:21,120

looked like on the shuttle

91

00:04:25,189 --> 00:04:22,800

and so i did go and look it up and the

92

00:04:26,230 --> 00:04:25,199

nasa website had a little video about

93

00:04:28,550 --> 00:04:26,240

using

94

00:04:30,310 --> 00:04:28,560

the washroom on the shuttle

95

00:04:35,670 --> 00:04:30,320

as well as the

96

00:04:43,189 --> 00:04:37,350

and do you want to tell us all anything

97

00:04:43,199 --> 00:04:47,030

it works well

98

00:04:51,030 --> 00:04:48,950

all right mission specialist uh

99

00:04:53,189 --> 00:04:51,040

stephanie wilson first time you've been

100

00:04:58,230 --> 00:04:53,199

up with so many women right is it

101

00:05:02,390 --> 00:05:00,550

yes it and at the same

102

00:05:05,590 --> 00:05:02,400

time it's different and it's also the

103

00:05:09,590 --> 00:05:05,600

same i mean we all train together we've

104

00:05:11,749 --> 00:05:09,600

had over 50 women now fly into space and

105

00:05:13,749 --> 00:05:11,759

we can certainly use more we are very

106

00:05:15,029 --> 00:05:13,759

fortunate to have some of the original

107

00:05:17,510 --> 00:05:15,039

women that started training for the

108

00:05:19,990 --> 00:05:17,520

shuttle still in our office as mentors

109

00:05:25,430 --> 00:05:20,000

and we look forward to inspiring

110

00:05:25,440 --> 00:05:32,310

and commander is it different for you

111

00:05:35,510 --> 00:05:33,749

you know uh

112

00:05:37,430 --> 00:05:35,520

we're uh we're one of the few shuttle

113

00:05:39,350 --> 00:05:37,440

crews that had three women on board i

114

00:05:41,510 --> 00:05:39,360

think we're the third and uh but i'll

115

00:05:42,390 --> 00:05:41,520

tell you what diane it's we're really a

116

00:05:45,670 --> 00:05:42,400

gender

117

00:05:48,070 --> 00:05:45,680

neutral uh organization uh i don't think

118

00:05:49,350 --> 00:05:48,080

gender has come up in our training uh

119

00:05:51,189 --> 00:05:49,360

at all

120

00:05:54,070 --> 00:05:51,199

these ladies are are

121

00:05:56,150 --> 00:05:54,080

super capable professionals and uh

122

00:05:58,710 --> 00:05:56,160

we've got uh four of them on board and

123

00:06:00,469 --> 00:05:58,720

uh they all do just a great job and

124

00:06:01,990 --> 00:06:00,479

and uh tell you the truth we never

125

00:06:03,350 --> 00:06:02,000

really even think about gender when it

126
00:06:06,309 --> 00:06:03,360
comes to job assignments or anything

127
00:06:08,710 --> 00:06:06,319
else

128
00:06:10,950 --> 00:06:08,720
but tell me you have a day off finally

129
00:06:12,950 --> 00:06:10,960
or half day off coming up

130
00:06:21,830 --> 00:06:12,960
what are you going to do

131
00:06:26,150 --> 00:06:23,830
well you know obviously looking out the

132
00:06:28,550 --> 00:06:26,160
window is a high priority and uh it's

133
00:06:30,950 --> 00:06:28,560
really fun to also uh contact family and

134
00:06:33,110 --> 00:06:30,960
friends from up here um a few of them

135
00:06:34,870 --> 00:06:33,120
that i've been able to call and and talk

136
00:06:37,189 --> 00:06:34,880
with uh you know in the course of a

137
00:06:39,749 --> 00:06:37,199
conversation we'll cover a few thousand

138
00:06:42,309 --> 00:06:39,759

miles and that always throws them for a

139

00:06:43,909 --> 00:06:42,319

loop and usually uh people are a little

140

00:06:45,990 --> 00:06:43,919

bit breathless when they first hear from

141

00:06:51,029 --> 00:06:46,000

you so it's it's fun to have time to

142

00:06:54,790 --> 00:06:52,950

well we have to leave you now but if you

143

00:06:56,950 --> 00:06:54,800

want to just shout out a

144

00:07:02,710 --> 00:06:56,960

hello or a goodbye for the moment to

145

00:07:05,510 --> 00:07:04,070

diane the only thing i'd like to say is

146

00:07:08,390 --> 00:07:05,520

that april 12th is a really special day

147

00:07:09,830 --> 00:07:08,400

for astronauts it was the uh

148

00:07:12,469 --> 00:07:09,840

anniversary of eureka garen's flight in

149

00:07:13,830 --> 00:07:12,479

1961 and also the today is the 29th

150

00:07:16,230 --> 00:07:13,840

anniversary of the first space shuttle

151
00:07:22,150 --> 00:07:16,240
flight with columbia in

152
00:07:26,390 --> 00:07:24,150
the day we all think about with you and

153
00:07:29,110 --> 00:07:26,400
again we wish you the best safe return

154
00:07:35,189 --> 00:07:29,120
home and thanks so much for letting me

155
00:07:39,990 --> 00:07:37,990
discovery iss this is houston acr that

156
00:07:42,150 --> 00:07:40,000
concludes the abc world news portion of

157
00:07:56,390 --> 00:07:42,160
the event please stand by for a voice

158
00:08:03,270 --> 00:07:58,469
this is contessa brew at msnbc do you

159
00:08:06,309 --> 00:08:05,029
good morning msnbc we have you loud and

160
00:08:07,589 --> 00:08:06,319
clear welcome aboard the international

161
00:08:10,869 --> 00:08:07,599
space station we're ready for your

162
00:08:15,189 --> 00:08:12,790
all right well let me begin today with

163
00:08:17,110 --> 00:08:15,199

uh jim because i know this is your first

164

00:08:19,189 --> 00:08:17,120

space flight and before you lift it off

165

00:08:24,869 --> 00:08:19,199

you said it's hard to wrap your head

166

00:08:27,749 --> 00:08:26,309

well there's a couple different things

167

00:08:30,390 --> 00:08:27,759

that are hard to get your mind around

168

00:08:31,990 --> 00:08:30,400

one is having wanted to do something for

169

00:08:34,070 --> 00:08:32,000

about 30 years of your life and then

170

00:08:36,550 --> 00:08:34,080

suddenly having it right before you and

171

00:08:38,230 --> 00:08:36,560

uh so for for me that was

172

00:08:39,509 --> 00:08:38,240

kind of amazing just to realize that it

173

00:08:41,110 --> 00:08:39,519

was actually going to happen i have a

174

00:08:42,709 --> 00:08:41,120

lot of friends who

175

00:08:45,190 --> 00:08:42,719

would love to be up here right now and i

176

00:08:47,269 --> 00:08:45,200

wish were here with me and

177

00:08:49,350 --> 00:08:47,279

so i know that i'm very blessed to to be

178

00:08:51,190 --> 00:08:49,360

here i think also just wrapping your

179

00:08:52,550 --> 00:08:51,200

mind around about what you're going to

180

00:08:55,350 --> 00:08:52,560

do

181

00:08:56,550 --> 00:08:55,360

jumping onto a rocket and launching into

182

00:08:59,670 --> 00:08:56,560

space is

183

00:09:02,150 --> 00:08:59,680

is pretty exciting in denver so

184

00:09:06,470 --> 00:09:02,160

all that really was just hard to hard to

185

00:09:09,750 --> 00:09:08,070

speaking of getting a grip you know the

186

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

veteran astronauts sometimes say it's

187

00:09:12,870 --> 00:09:11,519

funny to watch the rookies come up and

188

00:09:14,870 --> 00:09:12,880

try to

189

00:09:16,790 --> 00:09:14,880

figure out their way around zero gravity

190

00:09:22,870 --> 00:09:16,800

but it looks like jim you've got this

191

00:09:27,509 --> 00:09:24,710

i can tell you these guys are far from

192

00:09:30,389 --> 00:09:27,519

rookies uh they hit they hit space uh

193

00:09:32,550 --> 00:09:30,399

running and uh did a great job uh right

194

00:09:35,030 --> 00:09:32,560

after uh right after manage cut off when

195

00:09:36,949 --> 00:09:35,040

we got into orbit uh these guys

196

00:09:40,310 --> 00:09:36,959

took off when their uh their pre-flight

197

00:09:44,070 --> 00:09:40,320

plan and never stopped and they've been

198

00:09:48,790 --> 00:09:46,949

all right let me talk to the other

199

00:09:51,030 --> 00:09:48,800

so-called rookie since you hit the

200

00:09:52,710 --> 00:09:51,040

ground running dorothy metcalf

201
00:09:55,509 --> 00:09:52,720
lindenberger

202
00:09:58,230 --> 00:09:55,519
here you've been orchestrating the

203
00:10:03,269 --> 00:09:58,240
whoops the space walk out there

204
00:10:08,069 --> 00:10:05,590
well it's just a real pleasure to watch

205
00:10:09,590 --> 00:10:08,079
rick and clay work out on

206
00:10:11,350 --> 00:10:09,600
the international space station you know

207
00:10:13,670 --> 00:10:11,360
we've spent uh

208
00:10:16,630 --> 00:10:13,680
many hours in the neutral buoyancy lab

209
00:10:20,230 --> 00:10:16,640
back in houston with very capable divers

210
00:10:21,750 --> 00:10:20,240
in fact rick's son is one of our divers

211
00:10:23,110 --> 00:10:21,760
and it's just really neat to see

212
00:10:25,030 --> 00:10:23,120
everything come together jim and

213
00:10:26,069 --> 00:10:25,040

stephanie have been flying the robotic

214

00:10:28,710 --> 00:10:26,079

arm

215

00:10:31,110 --> 00:10:28,720

and in the pool we can't have all those

216

00:10:33,030 --> 00:10:31,120

robotic maneuvers exactly as planned

217

00:10:34,389 --> 00:10:33,040

because the water cannot support the

218

00:10:35,990 --> 00:10:34,399

arm's weight

219

00:10:37,670 --> 00:10:36,000

but here on orbit

220

00:10:39,910 --> 00:10:37,680

yesterday it was probably our most

221

00:10:42,389 --> 00:10:39,920

technical spacewalk and

222

00:10:44,470 --> 00:10:42,399

all of the robotic arm operations came

223

00:10:46,310 --> 00:10:44,480

perfectly together with

224

00:10:49,110 --> 00:10:46,320

what rick and clay were doing outside

225

00:10:51,509 --> 00:10:49,120

and and i could watch most of it out the

226

00:10:53,190 --> 00:10:51,519

uh upper windows of the space shuttle

227

00:10:55,110 --> 00:10:53,200

and so i spent my time on the flight

228

00:10:56,949 --> 00:10:55,120

deck just doing that and making sure

229

00:10:58,230 --> 00:10:56,959

that they were safe and you probably

230

00:11:00,710 --> 00:10:58,240

heard that we struggled a little bit

231

00:11:01,670 --> 00:11:00,720

with a bolt because the hardware changes

232

00:11:04,550 --> 00:11:01,680

in the

233

00:11:06,870 --> 00:11:04,560

extreme heat and cold up here but as you

234

00:11:08,710 --> 00:11:06,880

saw clay and rick were very professional

235

00:11:13,030 --> 00:11:08,720

and they and they got it seated down so

236

00:11:17,430 --> 00:11:15,110

stephanie now i understand you're able

237

00:11:19,990 --> 00:11:17,440

to look out these windows of the cupola

238

00:11:26,310 --> 00:11:20,000

instead of relying on video feeds does

239

00:11:30,630 --> 00:11:27,990

and actually for our mission we were

240

00:11:32,230 --> 00:11:30,640

hoping to be able to fly the robotic arm

241

00:11:35,509 --> 00:11:32,240

out of the cupola

242

00:11:37,509 --> 00:11:35,519

module that has all the windows but

243

00:11:38,870 --> 00:11:37,519

we were not able to make that happen for

244

00:11:40,710 --> 00:11:38,880

this flight we're hoping that the next

245

00:11:42,710 --> 00:11:40,720

shuttle flight will be able to do that

246

00:11:44,870 --> 00:11:42,720

we have had a chance to

247

00:11:47,269 --> 00:11:44,880

go into the cupola and view the earth

248

00:11:49,750 --> 00:11:47,279

from from that vantage point and it is

249

00:11:51,430 --> 00:11:49,760

spectacular and i have every uh hope

250

00:11:56,069 --> 00:11:51,440

that it will help the future arm

251

00:12:00,550 --> 00:11:58,550

alan let me ask you as the commander the

252

00:12:02,550 --> 00:12:00,560

shuttle program is ending and certainly

253

00:12:05,190 --> 00:12:02,560

the international space station becomes

254

00:12:07,269 --> 00:12:05,200

one of the the biggest legacies here of

255

00:12:08,470 --> 00:12:07,279

that 134

256

00:12:11,430 --> 00:12:08,480

mission

257

00:12:12,790 --> 00:12:11,440

in the program's 29 years 29 years today

258

00:12:15,509 --> 00:12:12,800

april 12th

259

00:12:17,350 --> 00:12:15,519

what what do you think is the future for

260

00:12:19,350 --> 00:12:17,360

america's space program now with the

261

00:12:21,269 --> 00:12:19,360

shuttle program ending and of course the

262

00:12:26,710 --> 00:12:21,279

president has canceled the next program

263

00:12:31,030 --> 00:12:29,430

well we have a lot of really interesting

264

00:12:32,949 --> 00:12:31,040

science and research going on in the

265

00:12:34,790 --> 00:12:32,959

international space station and you know

266

00:12:35,430 --> 00:12:34,800

we're just about complete finishing it

267

00:12:38,389 --> 00:12:35,440

up

268

00:12:39,829 --> 00:12:38,399

flights

269

00:12:41,750 --> 00:12:39,839

from the space shuttle we will have

270

00:12:43,829 --> 00:12:41,760

other vehicle visiting vehicles that

271

00:12:46,389 --> 00:12:43,839

will be able to bring supplies up

272

00:12:48,470 --> 00:12:46,399

and keep the crews supplied

273

00:12:50,629 --> 00:12:48,480

and bring new science on board and new

274

00:12:51,750 --> 00:12:50,639

research activities so there's a lot of

275

00:12:53,590 --> 00:12:51,760

exciting stuff going on in the

276

00:12:54,949 --> 00:12:53,600

international space station

277

00:12:56,710 --> 00:12:54,959

and uh it's interesting that you bring

278

00:12:59,190 --> 00:12:56,720

up the uh the anniversary of the space

279

00:13:00,710 --> 00:12:59,200

shuttle lots of interesting uh

280

00:13:02,790 --> 00:13:00,720

of science has been done as well with

281

00:13:03,829 --> 00:13:02,800

the hubble space telescope as we all

282

00:13:05,750 --> 00:13:03,839

know and

283

00:13:07,269 --> 00:13:05,760

you know it's it's time to look back and

284

00:13:08,550 --> 00:13:07,279

reflect about all the great things that

285

00:13:10,389 --> 00:13:08,560

the space shuttle has brought us over

286

00:13:11,430 --> 00:13:10,399

the last 29 years

287

00:13:13,110 --> 00:13:11,440

and uh

288

00:13:15,430 --> 00:13:13,120

so i think this we're going to we're

289

00:13:17,750 --> 00:13:15,440

going places we're going to uh we're

290

00:13:22,230 --> 00:13:17,760

doing a lot of interesting stuff up here

291

00:13:25,509 --> 00:13:24,550

but is there a disadvantage do you think

292

00:13:27,750 --> 00:13:25,519

alan

293

00:13:29,990 --> 00:13:27,760

for america not to have its own shuttle

294

00:13:32,790 --> 00:13:30,000

program or will it

295

00:13:34,310 --> 00:13:32,800

facilitating getting products back and

296

00:13:41,509 --> 00:13:34,320

forth to the space station the fact that

297

00:13:46,150 --> 00:13:43,269

we'll be we'll the americans will still

298

00:13:48,310 --> 00:13:46,160

be riding coming to the space station

299

00:13:49,030 --> 00:13:48,320

aboard the russian soyuz vehicles and so

300

00:13:52,870 --> 00:13:49,040

we

301
00:13:54,870 --> 00:13:52,880
able to come and go to the international

302
00:13:58,550 --> 00:13:54,880
space station to do their work up here

303
00:14:00,310 --> 00:13:58,560
while we work on on commercial uh cargo

304
00:14:02,389 --> 00:14:00,320
and potentially crew

305
00:14:04,389 --> 00:14:02,399
transfer up and down as well so i'm

306
00:14:07,350 --> 00:14:04,399
hopeful that for the future and and i

307
00:14:09,590 --> 00:14:07,360
think the uh the leadership and the and

308
00:14:11,829 --> 00:14:09,600
and the folks who make policy decisions

309
00:14:15,189 --> 00:14:11,839
we'll we'll do the right thing and and

310
00:14:20,069 --> 00:14:17,910
all right stephanie uh this time in

311
00:14:22,389 --> 00:14:20,079
space and for the first time there are

312
00:14:29,189 --> 00:14:22,399
four women in space is this a giant leap

313
00:14:34,150 --> 00:14:31,189

well i would say it's a it's a giant

314

00:14:36,550 --> 00:14:34,160

leap for humankind uh this is the third

315

00:14:38,389 --> 00:14:36,560

shuttle flight to have three women and

316

00:14:40,389 --> 00:14:38,399

as we join tracy caldwell international

317

00:14:41,430 --> 00:14:40,399

space station daddy noeco and i are

318

00:14:43,590 --> 00:14:41,440

certainly

319

00:14:45,430 --> 00:14:43,600

thrilled to be working with tracy we're

320

00:14:47,590 --> 00:14:45,440

thrilled to be working with each other

321

00:14:49,189 --> 00:14:47,600

and we also have the benefit of the

322

00:14:51,350 --> 00:14:49,199

mentorship of

323

00:14:52,790 --> 00:14:51,360

women in the astronaut office that have

324

00:14:55,670 --> 00:14:52,800

been there to

325

00:14:57,670 --> 00:14:55,680

lend us their experience and so it is a

326

00:15:01,110 --> 00:14:57,680

giant leap for all of us in the

327

00:15:04,790 --> 00:15:02,949

and finally jim we know we talked to

328

00:15:06,310 --> 00:15:04,800

your mom who said that you have wanted

329

00:15:08,629 --> 00:15:06,320

to be an astronaut since you were a

330

00:15:11,430 --> 00:15:08,639

child and in fact it was your school

331

00:15:13,350 --> 00:15:11,440

librarian who helped you with a letter

332

00:15:14,949 --> 00:15:13,360

and she was at the launch now what

333

00:15:16,790 --> 00:15:14,959

message do you have for other children

334

00:15:18,790 --> 00:15:16,800

out there who might be watching this and

335

00:15:23,990 --> 00:15:18,800

they themselves dream of one day being

336

00:15:28,790 --> 00:15:26,790

well i think for kids uh having any kind

337

00:15:29,990 --> 00:15:28,800

of dream is really a gift it gives you a

338

00:15:31,590 --> 00:15:30,000

focus and

339

00:15:33,590 --> 00:15:31,600

um helps you to get through the hard

340

00:15:34,949 --> 00:15:33,600

times when you're when you're focused on

341

00:15:37,189 --> 00:15:34,959

a dream you can do things that you

342

00:15:39,670 --> 00:15:37,199

wouldn't normally do because you see the

343

00:15:41,189 --> 00:15:39,680

end goal so i think that's uh what i'd

344

00:15:44,069 --> 00:15:41,199

encourage them to do is find what they

345

00:15:46,150 --> 00:15:44,079

love um and pursue it with all their

346

00:15:48,310 --> 00:15:46,160

heart enjoy the the journey along the

347

00:15:50,470 --> 00:15:48,320

way because uh it's not necessarily

348

00:15:52,470 --> 00:15:50,480

getting to the goal that uh brings the

349

00:15:54,949 --> 00:15:52,480

most satisfaction i think it's uh it's

350

00:15:56,550 --> 00:15:54,959

really the journey enjoying each part of

351

00:15:58,710 --> 00:15:56,560

it i know that my time in the air force

352

00:16:00,790 --> 00:15:58,720

leading here has been a tremendous

353

00:16:03,269 --> 00:16:00,800

uh blessing to me and my family and i

354

00:16:04,790 --> 00:16:03,279

know from my colleagues

355

00:16:06,790 --> 00:16:04,800

the different careers that they had

356

00:16:09,110 --> 00:16:06,800

prior to coming to nasa were very

357

00:16:11,509 --> 00:16:09,120

fulfilling as well so

358

00:16:13,189 --> 00:16:11,519

so the end goal is is a great thing to

359

00:16:17,030 --> 00:16:13,199

motivate you but

360

00:16:21,110 --> 00:16:19,030

pilot jim dutton mission specialist

361

00:16:23,670 --> 00:16:21,120

stephanie wilson and dorothy metcalf

362

00:16:30,150 --> 00:16:23,680

lindenberg commander alan poindexter

363

00:16:35,509 --> 00:16:32,870

discovery iss this is houston acr that

364

00:16:37,509 --> 00:16:35,519

concludes the msnbc portion of the event

365

00:16:39,509 --> 00:16:37,519

please stand by for a voice check from

366

00:16:41,269 --> 00:16:39,519

the fox news channel

367

00:16:45,030 --> 00:16:41,279

michael jackson opened up to martin

368

00:16:47,509 --> 00:16:45,040

beshear in a 2003 interview more than 27

369

00:16:49,990 --> 00:16:47,519

million people tuned in across the pond

370

00:16:52,470 --> 00:16:50,000

princess diana lured in more than 21

371

00:16:54,069 --> 00:16:52,480

million viewers in 1995 when she

372

00:16:56,389 --> 00:16:54,079

admitted to an affair during her

373

00:16:58,550 --> 00:16:56,399

marriage to prince charles and more than

374

00:16:59,990 --> 00:16:58,560

seven people seven million people tuned

375

00:17:02,310 --> 00:17:00,000

in to an attempt

376

00:17:03,910 --> 00:17:02,320

hello alan jim dorothy and stephanie

377

00:17:08,710 --> 00:17:03,920

this gianni new york audio how are you

378

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

good morning we have you loud and clear

379

00:17:14,630 --> 00:17:12,480

we're ready for your questions

380

00:17:16,829 --> 00:17:14,640

apologize then get back thank you very

381

00:17:19,189 --> 00:17:16,839

much please stand by golf

382

00:17:21,590 --> 00:17:19,199

course when you do something in your

383

00:17:23,029 --> 00:17:21,600

personal life that offends people you

384

00:17:25,350 --> 00:17:23,039

have to sit with them on a personal

385

00:17:27,189 --> 00:17:25,360

level and communicate so whether that's

386

00:17:30,630 --> 00:17:27,199

in front of a camera in a one-on-one

387

00:17:32,789 --> 00:17:30,640

situation or whatever that might be

388

00:17:34,549 --> 00:17:32,799

to really to really step out and explain

389

00:17:36,230 --> 00:17:34,559

to people what happened before you go

390

00:17:38,070 --> 00:17:36,240

back to your career and doing what you

391

00:17:40,070 --> 00:17:38,080

do

392

00:17:42,310 --> 00:17:40,080

woods got a warm reception from fans but

393

00:17:44,470 --> 00:17:42,320

he didn't win our expert says viewers

394

00:17:46,470 --> 00:17:44,480

will keep tuning into golf until they

395

00:17:48,470 --> 00:17:46,480

see that first win to make the comeback

396

00:17:50,630 --> 00:17:48,480

complete and jane advertisers are sure

397

00:17:52,070 --> 00:17:50,640

to be happy about that phil dobson in

398

00:17:53,190 --> 00:17:52,080

the newsroom for us still saying thank

399

00:17:55,510 --> 00:17:53,200

you

400

00:17:57,270 --> 00:17:55,520

it is day seven of the shuttle discovery

401
00:18:00,070 --> 00:17:57,280
mission to the international space

402
00:18:02,070 --> 00:18:00,080
station the crew is off duty right now

403
00:18:04,310 --> 00:18:02,080
as they prepare for tomorrow's third and

404
00:18:06,549 --> 00:18:04,320
final spacewalk of this mission

405
00:18:08,310 --> 00:18:06,559
we have four of the shuttle astronauts

406
00:18:11,190 --> 00:18:08,320
joining us right now commander alan

407
00:18:13,590 --> 00:18:11,200
poindexter pilot jim dutton mission

408
00:18:16,310 --> 00:18:13,600
specialist dorothy metcalfe lindenberger

409
00:18:18,950 --> 00:18:16,320
and mission specialist stephanie wilson

410
00:18:23,110 --> 00:18:18,960
discovery iss this is the fox news

411
00:18:26,710 --> 00:18:24,950
good morning fox news welcome aboard the

412
00:18:27,990 --> 00:18:26,720
international space station we have you

413
00:18:30,310 --> 00:18:28,000

loud and clear and we're ready for your

414

00:18:32,390 --> 00:18:30,320

questions

415

00:18:34,070 --> 00:18:32,400

well we are delighted delighted that you

416

00:18:38,070 --> 00:18:34,080

could be joining us how's the mission

417

00:18:42,789 --> 00:18:40,070

the mission's going uh just great

418

00:18:44,230 --> 00:18:42,799

everything's outstanding we've uh

419

00:18:46,390 --> 00:18:44,240

getting a lot of work done we're seeing

420

00:18:47,909 --> 00:18:46,400

some beautiful sights we've had two of

421

00:18:49,750 --> 00:18:47,919

our three spacewalks as you mentioned

422

00:18:51,270 --> 00:18:49,760

already and tomorrow is the third one

423

00:18:53,430 --> 00:18:51,280

they're quarterback for those spacewalks

424

00:18:56,070 --> 00:18:53,440

or evas is standing right next to me

425

00:18:58,230 --> 00:18:56,080

and dottie just does a great job and jim

426

00:19:01,110 --> 00:18:58,240

and stephanie here are two of our main

427

00:19:03,110 --> 00:19:01,120

robotics operators and and they uh they

428

00:19:05,270 --> 00:19:03,120

fly both the space shuttle and space

429

00:19:07,590 --> 00:19:05,280

station robotic arms during most of our

430

00:19:08,630 --> 00:19:07,600

activities and everyone's doing a great

431

00:19:12,789 --> 00:19:08,640

job and

432

00:19:17,909 --> 00:19:16,070

i i know that uh it's the end of an era

433

00:19:20,710 --> 00:19:17,919

for the shuttle you know we're coming to

434

00:19:22,470 --> 00:19:20,720

a point where uh us crews are are going

435

00:19:24,310 --> 00:19:22,480

to be hitching a ride on russian

436

00:19:25,990 --> 00:19:24,320

spacecraft to get up to the

437

00:19:28,549 --> 00:19:26,000

international space station after just a

438

00:19:35,669 --> 00:19:28,559

couple more shuttle missions jim what

439

00:19:39,110 --> 00:19:37,110

well i think everyone feels a little

440

00:19:41,510 --> 00:19:39,120

bittersweet about seeing the space

441

00:19:43,590 --> 00:19:41,520

shuttle program come to an end but

442

00:19:46,870 --> 00:19:43,600

we also realize that there comes a time

443

00:19:49,430 --> 00:19:46,880

for any uh any major system whether it's

444

00:19:51,750 --> 00:19:49,440

uh like in the military we had aircraft

445

00:19:53,590 --> 00:19:51,760

that was very difficult to see retire

446

00:19:55,909 --> 00:19:53,600

everyone was in love with them and and i

447

00:19:57,990 --> 00:19:55,919

think we really have a lot of people who

448

00:20:00,549 --> 00:19:58,000

love the shuttle but um

449

00:20:03,029 --> 00:20:00,559

we we have to continue to press on into

450

00:20:04,549 --> 00:20:03,039

the future and uh we're uh we're

451

00:20:06,470 --> 00:20:04,559

certainly going to miss the capability

452

00:20:08,390 --> 00:20:06,480

that the shuttle has given us it's been

453

00:20:10,310 --> 00:20:08,400

a tremendous vehicle when you look at

454

00:20:12,310 --> 00:20:10,320

everything it's done from deploying

455

00:20:14,310 --> 00:20:12,320

satellites probably the best known of

456

00:20:15,270 --> 00:20:14,320

those being the hubble

457

00:20:17,430 --> 00:20:15,280

to

458

00:20:19,190 --> 00:20:17,440

this being the crown jewel of all that

459

00:20:21,270 --> 00:20:19,200

the shuttle has done assembling the

460

00:20:22,470 --> 00:20:21,280

international space station which really

461

00:20:24,470 --> 00:20:22,480

could not have been done without the

462

00:20:26,070 --> 00:20:24,480

space shuttle so

463

00:20:29,750 --> 00:20:26,080

yeah we're gonna we're gonna miss it i

464

00:20:32,870 --> 00:20:31,270

dorothy even though we're coming to the

465

00:20:35,029 --> 00:20:32,880

end of that era

466

00:20:35,909 --> 00:20:35,039

this is a history making flight first

467

00:20:39,350 --> 00:20:35,919

time

468

00:20:44,870 --> 00:20:39,360

for women in space on board the shuttle

469

00:20:50,149 --> 00:20:47,510

that is correct and this is a third

470

00:20:51,830 --> 00:20:50,159

flight with three women and uh the first

471

00:20:52,870 --> 00:20:51,840

time four women have been together in

472

00:20:53,830 --> 00:20:52,880

space

473

00:20:55,750 --> 00:20:53,840

um

474

00:20:58,390 --> 00:20:55,760

and what i think it says is

475

00:21:01,029 --> 00:20:58,400

that we're all really lucky um we were

476
00:21:03,270 --> 00:21:01,039
brought here by two very capable men

477
00:21:05,750 --> 00:21:03,280
and we have a lot of diversity on our

478
00:21:07,190 --> 00:21:05,760
crew and i think that just shows that

479
00:21:09,270 --> 00:21:07,200
it's important to have a lot of

480
00:21:11,750 --> 00:21:09,280
diversity that we each contribute in a

481
00:21:13,350 --> 00:21:11,760
unique and special way and then i hope

482
00:21:14,710 --> 00:21:13,360
this shows all

483
00:21:17,110 --> 00:21:14,720
students out there

484
00:21:18,950 --> 00:21:17,120
that uh there is nothing that you cannot

485
00:21:20,870 --> 00:21:18,960
do and so um

486
00:21:23,190 --> 00:21:20,880
we have just made a lot of progress as a

487
00:21:24,789 --> 00:21:23,200
whole country in that way and i'm really

488
00:21:27,669 --> 00:21:24,799

glad that we can be a part of this but

489

00:21:30,310 --> 00:21:27,679

uh again it was all of us as a team um

490

00:21:32,710 --> 00:21:30,320

doing this

491

00:21:35,430 --> 00:21:32,720

dottie one of the educators in space uh

492

00:21:37,750 --> 00:21:35,440

stephanie i know this is a second trip a

493

00:21:40,230 --> 00:21:37,760

return to space for you

494

00:21:41,990 --> 00:21:40,240

with the shuttle program winding down i

495

00:21:47,110 --> 00:21:42,000

mean how do you top this what do you do

496

00:21:49,830 --> 00:21:48,470

well there's certainly the future to

497

00:21:51,750 --> 00:21:49,840

look forward to

498

00:21:53,270 --> 00:21:51,760

although we're here on the space station

499

00:21:56,470 --> 00:21:53,280

we are really

500

00:21:58,230 --> 00:21:56,480

visiting only for 10 days or so

501
00:21:59,990 --> 00:21:58,240
there's opportunity to do a long

502
00:22:02,149 --> 00:22:00,000
duration flight to live and work aboard

503
00:22:05,110 --> 00:22:02,159
the international space station uh we're

504
00:22:08,149 --> 00:22:05,120
hoping that in the future we will still

505
00:22:09,830 --> 00:22:08,159
be able to explore and we can be part of

506
00:22:12,230 --> 00:22:09,840
those mission designs or part of those

507
00:22:14,870 --> 00:22:12,240
exploration missions so certainly the

508
00:22:18,390 --> 00:22:14,880
future is uh very very wide and has a

509
00:22:22,230 --> 00:22:20,870
well we are certainly proud of the job

510
00:22:24,549 --> 00:22:22,240
you're doing up there i know you have

511
00:22:25,750 --> 00:22:24,559
all trained years for this mission doing

512
00:22:27,270 --> 00:22:25,760
a great job

513
00:22:31,270 --> 00:22:27,280

thanks for joining us on fox news

514

00:22:31,280 --> 00:22:35,029

thanks john good morning

515

00:22:39,750 --> 00:22:37,990

discovery iss this is houston acr that

516

00:22:41,909 --> 00:22:39,760

concludes the fox news channel portion

517

00:22:49,510 --> 00:22:41,919

of the event please stand by for a voice

518

00:22:59,830 --> 00:22:52,310

houston this is kusa tv in denver we are

519

00:23:04,870 --> 00:23:03,029

very good well hello sts 131 from 9 news

520

00:23:06,549 --> 00:23:04,880

in denver and dottie i'm going to start

521

00:23:08,710 --> 00:23:06,559

with you because you've already got a

522

00:23:10,549 --> 00:23:08,720

fan club the phone's been ringing off

523

00:23:13,029 --> 00:23:10,559

the hook here at nine news from all your

524

00:23:17,590 --> 00:23:13,039

fans here in colorado anything you want

525

00:23:23,669 --> 00:23:20,470

well i loved growing up in colorado

526

00:23:25,909 --> 00:23:23,679

it inspired me to go on and and uh study

527

00:23:28,070 --> 00:23:25,919

both geology and astronomy we have some

528

00:23:29,750 --> 00:23:28,080

of the best rocks in the world and we

529

00:23:32,149 --> 00:23:29,760

also have some of the best nights to

530

00:23:36,470 --> 00:23:32,159

view the stars and i couldn't think of a

531

00:23:40,149 --> 00:23:38,390

roger that i i do have to ask you

532

00:23:41,990 --> 00:23:40,159

because you know you're gonna kind of

533

00:23:44,390 --> 00:23:42,000

bring a different perspective to this

534

00:23:46,070 --> 00:23:44,400

being a first-time flyer

535

00:23:47,590 --> 00:23:46,080

i know you went through the simulations

536

00:23:49,590 --> 00:23:47,600

you went through all of that training

537

00:23:51,510 --> 00:23:49,600

but what has surprised you what has

538

00:23:57,350 --> 00:23:51,520

overwhelmed you what has amazed you

539

00:24:01,029 --> 00:23:59,350

well i think the most important thing is

540

00:24:03,350 --> 00:24:01,039

all of those simulations and training

541

00:24:04,710 --> 00:24:03,360

events actually prepare you for exactly

542

00:24:06,710 --> 00:24:04,720

what you're doing

543

00:24:09,269 --> 00:24:06,720

many of times we've all commented that

544

00:24:11,029 --> 00:24:09,279

this is just like the simulator

545

00:24:13,029 --> 00:24:11,039

from the moment of getting into the

546

00:24:14,950 --> 00:24:13,039

shuttle right before we were launching

547

00:24:16,870 --> 00:24:14,960

other than being out on the pad which

548

00:24:19,590 --> 00:24:16,880

was a different experience to actually

549

00:24:21,830 --> 00:24:19,600

hear the vehicle breathing and

550

00:24:24,230 --> 00:24:21,840

see all the gases once you got in the

551
00:24:26,390 --> 00:24:24,240
shuttle it looked very much like the

552
00:24:28,149 --> 00:24:26,400
the simulators that we train in

553
00:24:30,390 --> 00:24:28,159
and also when we've come over to the

554
00:24:32,870 --> 00:24:30,400
international space station and we've

555
00:24:35,990 --> 00:24:32,880
done all of our space walks and our

556
00:24:38,470 --> 00:24:36,000
robotic operations uh the simulators

557
00:24:40,230 --> 00:24:38,480
have really prepared us so then i guess

558
00:24:41,750 --> 00:24:40,240
the next part that surprised me is just

559
00:24:43,590 --> 00:24:41,760
the floating part and you have to

560
00:24:46,230 --> 00:24:43,600
remember to look all around when you're

561
00:24:49,110 --> 00:24:46,240
missing your pencil

562
00:24:50,630 --> 00:24:49,120
you know uh your your mom and dad i

563
00:24:52,549 --> 00:24:50,640

don't know if you knew this but they let

564

00:24:54,870 --> 00:24:52,559

us into your bedroom

565

00:24:56,710 --> 00:24:54,880

and they've kept it like a little shrine

566

00:24:58,149 --> 00:24:56,720

to their daughter complete with the

567

00:25:00,310 --> 00:24:58,159

space shuttle

568

00:25:05,190 --> 00:25:00,320

model that you had as a kid that's

569

00:25:10,789 --> 00:25:07,830

yeah i made that after i went to space

570

00:25:13,110 --> 00:25:10,799

camp when i was in ninth grade and uh my

571

00:25:15,110 --> 00:25:13,120

mom was testing it like about six months

572

00:25:18,070 --> 00:25:15,120

ago and she said did you know that the

573

00:25:19,590 --> 00:25:18,080

name on that shuttle is discovery and i

574

00:25:22,549 --> 00:25:19,600

think that's pretty special that i got

575

00:25:24,310 --> 00:25:22,559

to come up on discovery

576

00:25:27,190 --> 00:25:24,320

i want to thank all of you for your

577

00:25:29,750 --> 00:25:27,200

service to the country in particular you

578

00:25:31,350 --> 00:25:29,760

alan i know that you came from the navy

579

00:25:33,750 --> 00:25:31,360

pipeline i got to tell you i'm a proud

580

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

military parent myself my son is a super

581

00:25:38,310 --> 00:25:35,279

hornet instructor

582

00:25:41,110 --> 00:25:38,320

at nas oceana and of course james you're

583

00:25:43,430 --> 00:25:41,120

an afa grad class of 91

584

00:25:45,590 --> 00:25:43,440

for the future as it relates to space

585

00:25:47,590 --> 00:25:45,600

flight is the military still a good

586

00:25:52,549 --> 00:25:47,600

option for people that want to go to the

587

00:25:58,710 --> 00:25:55,110

you bet it is the the skills that that

588

00:26:00,230 --> 00:25:58,720

you gather and the uh the leadership

589

00:26:01,990 --> 00:26:00,240

skills that you obtain

590

00:26:03,110 --> 00:26:02,000

through a military pipeline will always

591

00:26:06,789 --> 00:26:03,120

be valuable

592

00:26:09,029 --> 00:26:06,799

uh to to the astronaut corps

593

00:26:12,310 --> 00:26:09,039

the test the gemini are both test pilots

594

00:26:14,149 --> 00:26:12,320

as well and and we learn to be uh

595

00:26:15,990 --> 00:26:14,159

part a lot about being a test pilot is

596

00:26:18,470 --> 00:26:16,000

not just being a good pilot but learning

597

00:26:21,029 --> 00:26:18,480

how to critique things well and how to

598

00:26:23,190 --> 00:26:21,039

how to put your thoughts uh into words

599

00:26:24,950 --> 00:26:23,200

and how to write requirements and and

600

00:26:26,630 --> 00:26:24,960

all those skills will will be very

601
00:26:28,470 --> 00:26:26,640
valuable for the future restaurants as

602
00:26:30,390 --> 00:26:28,480
well

603
00:26:32,950 --> 00:26:30,400
jim i had mentioned colorado springs a

604
00:26:35,269 --> 00:26:32,960
moment ago as we speak there is a

605
00:26:37,350 --> 00:26:35,279
national symposium on space that is

606
00:26:39,830 --> 00:26:37,360
opening in the springs

607
00:26:43,350 --> 00:26:39,840
the movers and shakers from nasa are

608
00:26:46,149 --> 00:26:43,360
there people in the private sectors are

609
00:26:48,310 --> 00:26:46,159
all there and the big topic is about

610
00:26:50,710 --> 00:26:48,320
what's going to happen with nasa are we

611
00:26:52,390 --> 00:26:50,720
ready to make the shift from a

612
00:26:53,510 --> 00:26:52,400
government-centric

613
00:27:00,710 --> 00:26:53,520

business

614

00:27:04,870 --> 00:27:02,390

well i think that like in most

615

00:27:06,310 --> 00:27:04,880

organizations there's people who are

616

00:27:08,070 --> 00:27:06,320

policy makers and there are people who

617

00:27:09,590 --> 00:27:08,080

are executors and i fall more on the

618

00:27:10,310 --> 00:27:09,600

execution side

619

00:27:12,950 --> 00:27:10,320

but

620

00:27:14,070 --> 00:27:12,960

i certainly i trust the

621

00:27:16,310 --> 00:27:14,080

the people that we have in those

622

00:27:18,070 --> 00:27:16,320

positions uh to make the right the

623

00:27:19,110 --> 00:27:18,080

decision that we really need to make as

624

00:27:21,430 --> 00:27:19,120

a country

625

00:27:23,909 --> 00:27:21,440

my hope is that we will continue to

626

00:27:26,549 --> 00:27:23,919

explore the universe and

627

00:27:28,950 --> 00:27:26,559

and also that we will make low earth

628

00:27:31,510 --> 00:27:28,960

orbit more accessible to commercial

629

00:27:33,029 --> 00:27:31,520

space and also eventually to the general

630

00:27:35,110 --> 00:27:33,039

public so

631

00:27:36,870 --> 00:27:35,120

there's a lot of possibilities right now

632

00:27:38,470 --> 00:27:36,880

it's very exciting the technology is

633

00:27:40,789 --> 00:27:38,480

really starting to come on

634

00:27:42,549 --> 00:27:40,799

and so i think it's going to be a lot of

635

00:27:45,029 --> 00:27:42,559

fun to tune in and see where space is

636

00:27:48,710 --> 00:27:46,789

stephanie just in my closing moments i

637

00:27:49,990 --> 00:27:48,720

didn't want to ignore you i'm sorry

638

00:27:52,549 --> 00:27:50,000

about that spent a lot of time on the

639

00:27:54,549 --> 00:27:52,559

colorado kid there but uh tell me a

640

00:27:56,710 --> 00:27:54,559

little bit about what still has to be

641

00:27:58,310 --> 00:27:56,720

done before this mission is done you've

642

00:28:03,510 --> 00:27:58,320

got another spacewalk coming up and

643

00:28:08,870 --> 00:28:06,230

we do our last spacewalk we'll be taking

644

00:28:10,630 --> 00:28:08,880

um the empty ammonia tank home with us

645

00:28:13,909 --> 00:28:10,640

so we still have to take that off of our

646

00:28:15,909 --> 00:28:13,919

payload oru accommodations and put it on

647

00:28:18,630 --> 00:28:15,919

into the payload bay and we'll be doing

648

00:28:20,389 --> 00:28:18,640

that with the help of rick and clay and

649

00:28:22,310 --> 00:28:20,399

we also have some work to do where we're

650

00:28:24,870 --> 00:28:22,320

turning a platform for the european

651

00:28:26,630 --> 00:28:24,880

space agency and some of our third

652

00:28:28,950 --> 00:28:26,640

spacewalk has been changed so rick and

653

00:28:31,990 --> 00:28:28,960

clay are reviewing those procedures as

654

00:28:34,070 --> 00:28:32,000

we speak to get the new changes

655

00:28:37,029 --> 00:28:34,080

and jim and i will be working with them

656

00:28:39,029 --> 00:28:37,039

tomorrow with the robotic arm operations

657

00:28:41,110 --> 00:28:39,039

and we look forward to working with them

658

00:28:42,710 --> 00:28:41,120

as we have on the other two space walks

659

00:28:45,269 --> 00:28:42,720

it's all gone very smoothly we've had

660

00:28:48,230 --> 00:28:45,279

great communications and it's been

661

00:28:52,389 --> 00:28:50,789

it has been a true pleasure and an honor

662

00:28:54,549 --> 00:28:52,399

and a personal highlight to be able to

663

00:28:56,950 --> 00:28:54,559

talk to you guys again thank you for

664

00:28:58,870 --> 00:28:56,960

your service to the country uh have a

665

00:29:04,549 --> 00:28:58,880

successful rest of mission and we look

666

00:29:07,669 --> 00:29:05,990

thanks very much and thanks for talking

667

00:29:09,590 --> 00:29:07,679

to us today have a great morning and a

668

00:29:12,149 --> 00:29:09,600

great day