



1
00:00:12,770 --> 00:00:01,640
station this is Houston are you ready

2
00:00:14,539 --> 00:00:12,780
for the event San Remo Italy this is

3
00:00:22,099 --> 00:00:14,549
Mission Control Houston please call

4
00:00:24,320 --> 00:00:22,109
station for a voice check station this

5
00:00:30,230 --> 00:00:24,330
is you're gonna hear from ISA Pio here

6
00:00:31,880 --> 00:00:30,240
in San Remo how do you hear me and Jill

7
00:00:39,530 --> 00:00:31,890
and San Remo I have you loud and clear

8
00:00:46,940 --> 00:00:39,540
welcome aboard I now leave the floor to

9
00:00:54,670 --> 00:00:51,139
Samantha we're sorry Mookie devar la

10
00:00:57,530 --> 00:00:54,680
camisa ramos talking to you how are you

11
00:01:06,380 --> 00:00:57,540
Venezia I'm very well good evening to

12
00:01:08,300 --> 00:01:06,390
everyone I'm very excited

13
00:01:09,710 --> 00:01:08,310

out of all interviews that I've ever

14

00:01:14,060 --> 00:01:09,720

done this is the one that takes me

15

00:01:16,999 --> 00:01:14,070

highest than anyone else imagine I can

16

00:01:19,040 --> 00:01:17,009

imagine of all travels this one is

17

00:01:24,889 --> 00:01:19,050

definitely the one that's taken me the

18

00:01:27,950 --> 00:01:24,899

highest oh dear my name's Andrew say

19

00:01:29,990 --> 00:01:27,960

listen what Day of permanence on the ISS

20

00:01:33,230 --> 00:01:30,000

are you at now how many do you need

21

00:01:39,320 --> 00:01:33,240

before you come home values if I'm not

22

00:01:40,940 --> 00:01:39,330

mistaken where day number 81 and alas I

23

00:01:43,850 --> 00:01:40,950

also say it with a little bit of sadness

24

00:01:46,910 --> 00:01:43,860

I'm getting close to the half point so

25

00:01:52,940 --> 00:01:46,920

this I believe this weekend will be the

26
00:01:54,740 --> 00:01:52,950
halfway point I alas so that means that

27
00:01:59,630 --> 00:01:54,750
you're liking it there that by now you

28
00:02:00,200 --> 00:01:59,640
feel at home see them yes I have to say

29
00:02:02,929 --> 00:02:00,210
bye now

30
00:02:05,030 --> 00:02:02,939
I really feel comfortable but I have to

31
00:02:08,150 --> 00:02:05,040
say that I've loved being here since the

32
00:02:12,410 --> 00:02:08,160
first day so surely the first days were

33
00:02:15,190 --> 00:02:12,420
days of joy truly beyond every scale

34
00:02:18,470 --> 00:02:15,200
huge for the pleasure of being finally

35
00:02:20,030 --> 00:02:18,480
where I have wanted to be for many years

36
00:02:22,759 --> 00:02:20,040
where I always dreamed of being but also

37
00:02:26,840 --> 00:02:22,769
the joy of discovering the little things

38
00:02:30,620 --> 00:02:26,850

about living on the ISS the possibility

39

00:02:32,569 --> 00:02:30,630

of floating the marvelous ability to

40

00:02:34,490 --> 00:02:32,579

look at the Earth from space and the

41

00:02:36,080 --> 00:02:34,500

gratification of knowing that you're

42

00:02:38,870 --> 00:02:36,090

doing a lot of activities on board

43

00:02:41,000 --> 00:02:38,880

starting from many experiments in many

44

00:02:42,680 --> 00:02:41,010

disciplines particularly the ones that I

45

00:02:44,770 --> 00:02:42,690

care the most about the ones for the

46

00:02:50,190 --> 00:02:44,780

Italian space agency that represent the

47

00:02:55,930 --> 00:02:54,100

sandy Griffin listen at this point where

48

00:03:01,330 --> 00:02:55,940

is the ISS with respect to the earth

49

00:03:03,970 --> 00:03:01,340

what speed are you traveling at right

50

00:03:07,600 --> 00:03:03,980

now our speed is twenty-eight thousand

51
00:03:11,620 --> 00:03:07,610
five hundred km/h about about seven

52
00:03:14,470 --> 00:03:11,630
kilometers per second where I am now

53
00:03:16,600 --> 00:03:14,480
unfortunately it's been a bit chaotic of

54
00:03:19,690 --> 00:03:16,610
a day so here on board so I haven't had

55
00:03:21,190 --> 00:03:19,700
a moment to go and verify where we are

56
00:03:23,920 --> 00:03:21,200
because we're going so fast but one

57
00:03:27,850 --> 00:03:23,930
thing I want to say the ISS can be seen

58
00:03:29,920 --> 00:03:27,860
by the naked eye from Earth internet

59
00:03:32,620 --> 00:03:29,930
websites where you can find out where

60
00:03:35,800 --> 00:03:32,630
it's coming and in these days there are

61
00:03:37,720 --> 00:03:35,810
some beautiful passages over Italy late

62
00:03:39,820 --> 00:03:37,730
afternoon early evening where with the

63
00:03:42,670 --> 00:03:39,830

naked eye you can see the ISS is this

64

00:03:47,110 --> 00:03:42,680

dot that is going across the horizon

65

00:03:53,500 --> 00:03:47,120

from one end to the other so if you want

66

00:03:54,010 --> 00:03:53,510

you can also say hello that would be

67

00:03:57,280 --> 00:03:54,020

wonderful

68

00:03:59,199 --> 00:03:57,290

we'll do it for sure now you can say the

69

00:04:03,280 --> 00:03:59,209

Earth from the cupola right so this

70

00:04:06,910 --> 00:04:03,290

window that looks out to space do you go

71

00:04:09,940 --> 00:04:06,920

there often she bother no time into pews

72

00:04:13,330 --> 00:04:09,950

I go more often when I have my free days

73

00:04:15,010 --> 00:04:13,340

weekends throughout the work day I go

74

00:04:16,930 --> 00:04:15,020

there in the evening but it doesn't

75

00:04:18,940 --> 00:04:16,940

matter anyways because every 90 minutes

76

00:04:20,699 --> 00:04:18,950

we go from day to night so even in the

77

00:04:26,290 --> 00:04:20,709

middle of the night there are passages

78

00:04:27,909 --> 00:04:26,300

with daylight and night time but I want

79

00:04:31,210 --> 00:04:27,919

to say that this is the favorite module

80

00:04:34,750 --> 00:04:31,220

of all astronauts to spend free time and

81

00:04:38,680 --> 00:04:34,760

it was made in Italy in Turin like the

82

00:04:41,170 --> 00:04:38,690

rest of the modules where the astronauts

83

00:04:43,360 --> 00:04:41,180

can work live and work were made in

84

00:04:48,340 --> 00:04:43,370

Italy so there's a lot of made in Italy

85

00:04:51,430 --> 00:04:48,350

here on board luis obispo a photo get

86

00:04:53,440 --> 00:04:51,440

mandy often i see the photos that you

87

00:04:55,960 --> 00:04:53,450

sent from up there and they show a

88

00:04:57,730 --> 00:04:55,970

beautiful earth but from up there do you

89

00:05:02,980 --> 00:04:57,740

become more optimistic or pessimistic

90

00:05:11,090 --> 00:05:07,240

see what I mean surely you become more

91

00:05:14,500 --> 00:05:11,100

understanding you develop a special link

92

00:05:17,510 --> 00:05:14,510

to the earth in its entirety you

93

00:05:20,960 --> 00:05:17,520

understand immediately up here that all

94

00:05:24,260 --> 00:05:20,970

of us everyone the billions of human

95

00:05:27,440 --> 00:05:24,270

beings are all on this small if you will

96

00:05:29,870 --> 00:05:27,450

fragile marvelous but fragile earth that

97

00:05:32,950 --> 00:05:29,880

is after all our spaceship that we're

98

00:05:35,840 --> 00:05:32,960

all on and that it's taking us in this

99

00:05:37,760 --> 00:05:35,850

trip across space because of course

100

00:05:39,740 --> 00:05:37,770

earth moves are on the Sun and with the

101
00:05:42,110 --> 00:05:39,750
Sun it moves through space so it's our

102
00:05:47,330 --> 00:05:42,120
spaceship and we have to take care of it

103
00:05:49,040 --> 00:05:47,340
because we don't have another one until

104
00:05:51,110 --> 00:05:49,050
our she'll be global it's very funny to

105
00:05:53,330 --> 00:05:51,120
see that every self and you let the

106
00:05:57,140 --> 00:05:53,340
microphone float but this weightlessness

107
00:06:02,630 --> 00:05:57,150
is it more annoying or is it fun and did

108
00:06:05,780 --> 00:06:02,640
you adapt quickly I have to say that I

109
00:06:08,420 --> 00:06:05,790
was very lucky because my body adapted

110
00:06:10,400 --> 00:06:08,430
very quickly the the only symptoms I had

111
00:06:13,130 --> 00:06:10,410
for a few days were a little bit of

112
00:06:15,260 --> 00:06:13,140
congestion in my nose some headaches the

113
00:06:16,880 --> 00:06:15,270

the first 10 days or so but then after

114

00:06:20,450 --> 00:06:16,890

that they completely went away so my

115

00:06:23,180 --> 00:06:20,460

body rapidly adapted and all I had left

116

00:06:31,040 --> 00:06:23,190

was the joy and the pleasure physical

117

00:06:33,470 --> 00:06:31,050

pleasure of being able to float looking

118

00:06:36,050 --> 00:06:33,480

at your face like that I can see the

119

00:06:41,510 --> 00:06:36,060

optimism happiness and joy but is there

120

00:06:43,610 --> 00:06:41,520

something that you miss of Earth well

121

00:06:45,140 --> 00:06:43,620

you know once in a while you have these

122

00:06:47,390 --> 00:06:45,150

moments where you have a craving for

123

00:06:50,660 --> 00:06:47,400

something that we don't have here so a

124

00:06:54,020 --> 00:06:50,670

nice big salad of fresh vegetables with

125

00:06:55,820 --> 00:06:54,030

some fresh tomatoes tasty that is it

126

00:06:58,520 --> 00:06:55,830

possible to have here or a simple

127

00:07:01,370 --> 00:06:58,530

pleasure of being able to wash your

128

00:07:04,850 --> 00:07:01,380

hands in running water to have that that

129

00:07:05,990 --> 00:07:04,860

freshness or or even to take a shower

130

00:07:08,090 --> 00:07:06,000

these are all things that are not

131

00:07:11,570 --> 00:07:08,100

possible here but in the end there are

132

00:07:13,860 --> 00:07:11,580

small things that of anything important

133

00:07:19,320 --> 00:07:13,870

I don't miss

134

00:07:21,150 --> 00:07:19,330

and when the President of the Republic

135

00:07:22,980 --> 00:07:21,160

the ex-president of the Republic

136

00:07:26,280 --> 00:07:22,990

Napolitano in his speech at the end of

137

00:07:32,030 --> 00:07:26,290

the year he talked about you as a

138

00:07:40,260 --> 00:07:36,330

from one end I was very flattered but I

139

00:07:42,360 --> 00:07:40,270

was also a little bit embarrassed but

140

00:07:46,740 --> 00:07:42,370

it's it's hard to feel like you deserve

141

00:07:48,990 --> 00:07:46,750

such an honor so of course I'm I'm

142

00:07:51,690 --> 00:07:49,000

flattered and I thank the Express event

143

00:07:59,010 --> 00:07:51,700

for this honor but but I don't

144

00:08:02,610 --> 00:07:59,020

necessarily feel like I deserve it you

145

00:08:08,190 --> 00:08:02,620

deserve it you deserve it were you ever

146

00:08:08,790 --> 00:08:08,200

scared in these days I mean of this

147

00:08:13,650 --> 00:08:08,800

experience

148

00:08:16,800 --> 00:08:13,660

well it's fear fear meaning physical

149

00:08:19,200 --> 00:08:16,810

about my survival and well-being no but

150

00:08:23,580 --> 00:08:19,210

in the first few days I was a little bit

151

00:08:26,159 --> 00:08:23,590

scared of making mistakes up to the

152

00:08:31,140 --> 00:08:26,169

third on the third day they they put me

153

00:08:32,699 --> 00:08:31,150

to run an experiment for the Italian

154

00:08:38,519 --> 00:08:32,709

space agency and so I was a little

155

00:08:41,550 --> 00:08:38,529

trepidatious and everything we do here

156

00:08:43,980 --> 00:08:41,560

has a huge work behind it of teams of

157

00:08:45,840 --> 00:08:43,990

scientists who maybe worked on that for

158

00:08:48,690 --> 00:08:45,850

months and years so now it's in our

159

00:08:51,420 --> 00:08:48,700

hands so being able to complete this

160

00:08:53,640 --> 00:08:51,430

work once in a while you have that

161

00:08:54,930 --> 00:08:53,650

little bit of a fear of messing

162

00:08:58,650 --> 00:08:54,940

something up that's going to have

163

00:09:04,290 --> 00:08:58,660

consequences for somebody else last

164

00:09:06,390 --> 00:09:04,300

question on your onboard diary you have

165

00:09:12,210 --> 00:09:06,400

talked about the smell of space what

166

00:09:14,519 --> 00:09:12,220

smell is that well of course it's it's a

167

00:09:18,000 --> 00:09:14,529

funny way of saying

168

00:09:21,990 --> 00:09:18,010

so of course space vacuum of space

169

00:09:24,090 --> 00:09:22,000

doesn't have a smell but but when when

170

00:09:26,910 --> 00:09:24,100

the cargo vehicle came about a month and

171

00:09:27,480 --> 00:09:26,920

a half ago called dragon that brought

172

00:09:30,150 --> 00:09:27,490

some

173

00:09:33,090 --> 00:09:30,160

supplies when we opened the hatch we we

174

00:09:36,210 --> 00:09:33,100

smelled the metal that was exposed to

175

00:09:38,699 --> 00:09:36,220

space so this vehicle was launched the

176

00:09:41,180 --> 00:09:38,709

day before I believe and was exposed to

177

00:09:44,639 --> 00:09:41,190

space for a while and then this this

178

00:09:47,790 --> 00:09:44,649

smell not not particularly pleasant

179

00:09:49,650 --> 00:09:47,800

that's somewhat burnt which the

180

00:09:51,690 --> 00:09:49,660

astronauts talked about often but but

181

00:09:58,430 --> 00:09:51,700

kind of in a funny way so we define it

182

00:10:02,579 --> 00:09:58,440

as the smell of space Cynthia listen

183

00:10:04,949 --> 00:10:02,589

what's your San Remo song I asked all my

184

00:10:10,170 --> 00:10:04,959

guests is there a song from San Remo

185

00:10:13,530 --> 00:10:10,180

that is special in your heart well I can

186

00:10:20,060 --> 00:10:13,540

tell you the one that I will wake up

187

00:10:27,930 --> 00:10:24,600

may reveal ooh marvelous marvelous so

188

00:10:31,170 --> 00:10:27,940

listen we are going to take advantage of

189

00:10:36,630 --> 00:10:31,180

the TV and San Remo is there someone you

190

00:10:38,340 --> 00:10:36,640

want to say hello to no no no that

191

00:10:42,300 --> 00:10:38,350

there's I don't want to take advantage

192

00:10:45,569 --> 00:10:42,310

for for private means but on the

193

00:10:47,639 --> 00:10:45,579

contrary I would like to say hello to

194

00:10:50,130 --> 00:10:47,649

all the ones who are watching and

195

00:10:52,650 --> 00:10:50,140

listening thank you so much and a big

196

00:10:56,579 --> 00:10:52,660

hug to all Italians who are listening

197

00:10:59,370 --> 00:10:56,589

and watching and and truly a great

198

00:11:01,410 --> 00:10:59,380

greeting and hug from space and I hope

199

00:11:03,690 --> 00:11:01,420

that I was able to bring you on board

200

00:11:05,940 --> 00:11:03,700

with me I would love to bring you really

201
00:11:12,000 --> 00:11:05,950
here up here but thank you so much and a

202
00:11:15,180 --> 00:11:12,010
big hug about to leave it on board well

203
00:11:19,620 --> 00:11:15,190
you succeeded you let us live for a few

204
00:11:22,590 --> 00:11:19,630
moments the emotions of being in space

205
00:11:24,569 --> 00:11:22,600
and Wray news already told us that next

206
00:11:27,569 --> 00:11:24,579
week you will wake up with one of this

207
00:11:31,319 --> 00:11:27,579
festivals songs so next week you'll have

208
00:11:33,960 --> 00:11:31,329
to send a tweet about the song that you

209
00:11:36,090 --> 00:11:33,970
will listen to next week so we will be

210
00:11:39,840 --> 00:11:36,100
waiting for your tweet I will do that

211
00:11:41,690 --> 00:11:39,850
for sure it will be a pleasure greetings

212
00:11:45,720 --> 00:11:41,700
to all

213
00:11:49,230 --> 00:11:45,730

I salute Odell Falco it applause and a

214

00:11:50,970 --> 00:11:49,240

greeting from the stadium of San Remo to

215

00:12:02,630 --> 00:11:50,980

our marvelous Samantha Christopher Eddie

216

00:12:06,050 --> 00:12:05,000

thank you very much garlic auntie come

217

00:12:09,079 --> 00:12:06,060

on - gracias

218

00:12:13,519 --> 00:12:09,089

that's the event I'm thinking over for

219

00:12:18,590 --> 00:12:13,529

is a TV and my first question is during

220

00:12:26,300 --> 00:12:18,600

the during the Columbus laboratory is

221

00:12:27,710 --> 00:12:26,310

performing those days sorry could you

222

00:12:34,480 --> 00:12:27,720

repeat there is a lot of background

223

00:12:39,010 --> 00:12:37,090

we see you are in the European Columbus

224

00:12:41,170 --> 00:12:39,020

laboratory at the moment can you tell us

225

00:12:49,300 --> 00:12:41,180

how the laboratory is performing those

226
00:12:51,040 --> 00:12:49,310
days well Columbus like all the science

227
00:12:54,270 --> 00:12:51,050
equipment that we have on station has

228
00:12:56,350 --> 00:12:54,280
been very busy this last few weeks

229
00:12:58,720 --> 00:12:56,360
especially with the with the arrival of

230
00:13:00,640 --> 00:12:58,730
Dragon of the cargo because dragon we

231
00:13:03,880 --> 00:13:00,650
had a lot of experiments of new

232
00:13:05,650 --> 00:13:03,890
experiments brought up for example here

233
00:13:07,720 --> 00:13:05,660
in Columbus immediately as soon as we

234
00:13:11,050 --> 00:13:07,730
opened the hatch of Dragon I immediately

235
00:13:14,110 --> 00:13:11,060
retrieved samples for an experiment and

236
00:13:17,050 --> 00:13:14,120
is an experiment called t cell about the

237
00:13:19,570 --> 00:13:17,060
activation of the immune cells in in

238
00:13:21,430 --> 00:13:19,580

microgravity and those cells had to be

239

00:13:23,290 --> 00:13:21,440

taken out of dragon immediately because

240

00:13:25,540 --> 00:13:23,300

they were in cold storage and they would

241

00:13:27,580 --> 00:13:25,550

degrade if the experiment wasn't

242

00:13:29,620 --> 00:13:27,590

performed on time and so we had a very

243

00:13:32,620 --> 00:13:29,630

strict timeline and we were able to

244

00:13:34,210 --> 00:13:32,630

perform it successfully and that of

245

00:13:36,460 --> 00:13:34,220

course is just one of the experiments

246

00:13:39,250 --> 00:13:36,470

that have been running on dragon I also

247

00:13:43,900 --> 00:13:39,260

received the hardware for example for

248

00:13:46,450 --> 00:13:43,910

the experiment drain brain and that is a

249

00:13:48,670 --> 00:13:46,460

very unique so far experiment in that it

250

00:13:52,180 --> 00:13:48,680

studies a something that has not been

251
00:13:54,970 --> 00:13:52,190
looked into before which is the return

252
00:13:57,460 --> 00:13:54,980
of blood from the brain from the head

253
00:14:00,880 --> 00:13:57,470
towards the heart of course that on

254
00:14:03,790 --> 00:14:00,890
earth that is in a way helped by by

255
00:14:05,620 --> 00:14:03,800
gravity and it's space where the effects

256
00:14:07,450 --> 00:14:05,630
of gravity are switched off where we are

257
00:14:09,400 --> 00:14:07,460
weightless it's interesting to see how

258
00:14:11,590 --> 00:14:09,410
that is actually affected and this

259
00:14:14,920 --> 00:14:11,600
experiment is also in a way a technology

260
00:14:16,810 --> 00:14:14,930
development project because we are we

261
00:14:19,750 --> 00:14:16,820
are validating a very simple

262
00:14:22,150 --> 00:14:19,760
non-invasive non-invasive operator

263
00:14:25,150 --> 00:14:22,160

independent way of measuring blood flow

264

00:14:27,130 --> 00:14:25,160

with a pledges magrav which is a little

265

00:14:30,940 --> 00:14:27,140

elastic band that I have around my neck

266

00:14:37,540 --> 00:14:30,950

that is able to to measure the blood

267

00:14:42,410 --> 00:14:39,500

and so you're talking about these

268

00:14:45,320 --> 00:14:42,420

applications is there for you a critical

269

00:14:53,210 --> 00:14:45,330

reason why we need to continue doing

270

00:14:56,319 --> 00:14:53,220

research in space now you know space

271

00:14:59,060 --> 00:14:56,329

just provides this unique environment

272

00:15:02,690 --> 00:14:59,070

weightlessness or with a more technical

273

00:15:06,380 --> 00:15:02,700

term microgravity and that means that

274

00:15:08,150 --> 00:15:06,390

some effects that we cannot just we can

275

00:15:10,730 --> 00:15:08,160

just not observe on earth because they

276

00:15:13,699 --> 00:15:10,740

are masked by the effects of gravity all

277

00:15:15,620 --> 00:15:13,709

of a sudden in space become visible and

278

00:15:18,259 --> 00:15:15,630

that we can observe them and measure

279

00:15:20,720 --> 00:15:18,269

them and some of this phenomena we are

280

00:15:22,850 --> 00:15:20,730

aware of we were always aware of and we

281

00:15:24,710 --> 00:15:22,860

come to space because in space we're

282

00:15:27,769 --> 00:15:24,720

able to study them and observe them and

283

00:15:29,840 --> 00:15:27,779

then sometimes you know you you you just

284

00:15:31,670 --> 00:15:29,850

happen to find out things that happen in

285

00:15:33,139 --> 00:15:31,680

space that you did not know about and

286

00:15:34,670 --> 00:15:33,149

that's even more exciting because it

287

00:15:42,650 --> 00:15:34,680

opens up new questions and new

288

00:15:44,630 --> 00:15:42,660

possibilities of discovery you talk

289

00:15:46,160 --> 00:15:44,640

about your arrival on station about the

290

00:15:48,470 --> 00:15:46,170

array or the dragon some of the

291

00:15:50,960 --> 00:15:48,480

experiments is there something specific

292

00:15:58,840 --> 00:15:50,970

in your as a future emission that you're

293

00:16:01,670 --> 00:15:58,850

particularly looking forward to with

294

00:16:04,370 --> 00:16:01,680

performed already quite a bit of the

295

00:16:06,829 --> 00:16:04,380

experimental program of the Asifa to

296

00:16:10,250 --> 00:16:06,839

remission but there's a lot to come so

297

00:16:11,750 --> 00:16:10,260

as I've said dragon space x5 brought up

298

00:16:14,150 --> 00:16:11,760

a lot of hardware for scientific

299

00:16:17,000 --> 00:16:14,160

experiments we're actually looking into

300

00:16:19,990 --> 00:16:17,010

another dragon coming up during my stay

301
00:16:23,240 --> 00:16:20,000
onboard with which will bring more

302
00:16:26,540 --> 00:16:23,250
scientific hardware there's for example

303
00:16:30,290 --> 00:16:26,550
more in vitro experiments like Saito

304
00:16:33,259 --> 00:16:30,300
space and NATO on in which we will again

305
00:16:35,300 --> 00:16:33,269
use the the cubic which is an a portable

306
00:16:38,360 --> 00:16:35,310
small portable incubator with a

307
00:16:41,269 --> 00:16:38,370
centrifuge to study the the effect of

308
00:16:45,819 --> 00:16:41,279
microgravity on different types of cells

309
00:16:49,190 --> 00:16:45,829
again immune cells or bone cells and

310
00:16:52,129 --> 00:16:49,200
we're also looking forward to

311
00:16:52,759 --> 00:16:52,139
maybe receiving a small 3d printer

312
00:16:56,329 --> 00:16:52,769
demonstrator

313
00:16:58,190 --> 00:16:56,339

or possibly the espresso machine which

314

00:17:00,170 --> 00:16:58,200

of course is it's kind of a nice

315

00:17:03,400 --> 00:17:00,180

addition to our life up here but it's

316

00:17:06,740 --> 00:17:03,410

also a an interesting technology

317

00:17:09,500 --> 00:17:06,750

demonstrator and and research facility

318

00:17:12,169 --> 00:17:09,510

about fluid dynamics and handling high

319

00:17:18,669 --> 00:17:12,179

pressure and high temperature fluids in

320

00:17:24,230 --> 00:17:20,840

thank you very much Turrentine just to

321

00:17:27,500 --> 00:17:24,240

conclude there is a green and red puppet

322

00:17:34,460 --> 00:17:27,510

behind you are you aware of that and if

323

00:17:35,090 --> 00:17:34,470

you are can you introduce them to us my

324

00:17:37,850 --> 00:17:35,100

pleasure

325

00:17:38,960 --> 00:17:37,860

this is our scientist alien in chief

326

00:17:42,250 --> 00:17:38,970

taxi

327

00:17:45,080 --> 00:17:42,260

also known as the is a kids mascot and

328

00:17:47,330 --> 00:17:45,090

you know when when I need some help I

329

00:17:48,680 --> 00:17:47,340

can call her and she'll help out she's

330

00:17:51,799 --> 00:17:48,690

been she's been learning a lot about

331

00:17:53,150 --> 00:17:51,809

science and microgravity and sometimes

332

00:17:56,120 --> 00:17:53,160

she will come and get us if something

333

00:18:03,820 --> 00:17:56,130

doesn't look right so that we can put

334

00:18:08,359 --> 00:18:06,019

thank you very much for that sum and

335

00:18:11,139 --> 00:18:08,369

have a good rest of your day and speak

336

00:18:17,060 --> 00:18:13,129

all right thanks Julie

337

00:18:20,119 --> 00:18:17,070

bye-bye station in this is Houston ACR

338

00:18:22,369 --> 00:18:20,129

that concludes the event thank you and

339

00:18:24,830 --> 00:18:22,379

thank you Sean r-mo music festival in