



1  
00:00:08,310 --> 00:00:04,070  
station this is houston are you ready

2  
00:00:08,320 --> 00:00:14,150  
houston station i am ready for the event

3  
00:00:18,550 --> 00:00:17,189  
hi kate this is ellen ochoa and it's my

4  
00:00:20,550 --> 00:00:18,560  
pleasure to

5  
00:00:22,310 --> 00:00:20,560  
welcome some special guests here today

6  
00:00:25,429 --> 00:00:22,320  
in mission control

7  
00:00:29,189 --> 00:00:25,439  
we have patients families and staff from

8  
00:00:31,109 --> 00:00:29,199  
md anderson children's cancer hospital

9  
00:00:34,229 --> 00:00:31,119  
and as you know this is part of a

10  
00:00:37,910 --> 00:00:34,239  
partnership between nasa md anderson and

11  
00:00:40,470 --> 00:00:37,920  
ilc dover the spacesuit developer

12  
00:00:43,190 --> 00:00:40,480  
to both raise awareness of childhood

13  
00:00:45,590 --> 00:00:43,200

cancer and provide inspiration by

14

00:00:47,110 --> 00:00:45,600

linking the arts and sciences and

15

00:00:49,190 --> 00:00:47,120

especially space

16

00:00:50,310 --> 00:00:49,200

so i'm going to turn it over to nicole

17

00:00:52,549 --> 00:00:50,320

stott

18

00:00:57,510 --> 00:00:52,559

retired astronaut and one of the leaders

19

00:00:57,520 --> 00:01:02,310

thank you so much alan and hello nicole

20

00:01:07,750 --> 00:01:04,869

hello kate it is so great to see you up

21

00:01:09,590 --> 00:01:07,760

there um as i was driving in today i

22

00:01:11,670 --> 00:01:09,600

think uh

23

00:01:14,310 --> 00:01:11,680

i was thinking about our

24

00:01:16,070 --> 00:01:14,320

emails and conversations about this

25

00:01:17,830 --> 00:01:16,080

project and

26

00:01:19,749 --> 00:01:17,840

the one way that was really coming to

27

00:01:21,830 --> 00:01:19,759

mind for me was was knowing that as i

28

00:01:23,749 --> 00:01:21,840

saw you on

29

00:01:25,910 --> 00:01:23,759

video today that

30

00:01:32,390 --> 00:01:25,920

we here are all experiencing our first

31

00:01:37,510 --> 00:01:35,190

absolutely and it's some amazing art

32

00:01:39,749 --> 00:01:37,520

made by some really fantastic young

33

00:01:43,670 --> 00:01:39,759

artists

34

00:01:45,590 --> 00:01:43,680

yes i i would agree and uh we have three

35

00:01:47,910 --> 00:01:45,600

of those beautiful people here today on

36

00:01:49,510 --> 00:01:47,920

the floor of mcc uh with a couple

37

00:01:51,910 --> 00:01:49,520

questions for you

38

00:01:54,310 --> 00:01:51,920

and i know they're very excited to ask

39

00:01:56,149 --> 00:01:54,320

those um again thank you so much for

40

00:01:59,270 --> 00:01:56,159

your participation

41

00:02:01,270 --> 00:01:59,280

david is uh is one of our artists here

42

00:02:02,950 --> 00:02:01,280

today and if you remember you and david

43

00:02:06,550 --> 00:02:02,960

were the first two people to paint on

44

00:02:06,560 --> 00:02:17,190

hey david

45

00:02:17,200 --> 00:02:21,030

hey kate how you doing

46

00:02:25,270 --> 00:02:23,190

good it is so great to see you and i

47

00:02:28,309 --> 00:02:25,280

wanted to let you know that i found the

48

00:02:30,710 --> 00:02:28,319

spot that we both painted and you can

49

00:02:36,150 --> 00:02:30,720

see it's orbiting the planet

50

00:02:38,470 --> 00:02:36,160

at 17 500 miles an hour right now

51  
00:02:40,150 --> 00:02:38,480  
i know i said i was gonna paint you the

52  
00:02:42,070 --> 00:02:40,160  
little martian on the right side of your

53  
00:02:45,030 --> 00:02:42,080  
suit but uh

54  
00:02:46,790 --> 00:02:45,040  
some stuff happened which is fine but i

55  
00:02:51,910 --> 00:02:46,800  
was a lot of fun to actually paint it

56  
00:02:56,869 --> 00:02:53,509  
absolutely and do you have some

57  
00:02:56,879 --> 00:03:02,390  
what inspired you to become an astronaut

58  
00:03:06,390 --> 00:03:04,229  
so i wanted to be an astronaut ever

59  
00:03:10,149 --> 00:03:06,400  
since i was a little kid my list was

60  
00:03:12,790 --> 00:03:10,159  
always astronaut biologist and geologist

61  
00:03:15,750 --> 00:03:12,800  
and uh i've been really lucky that i've

62  
00:03:19,270 --> 00:03:15,760  
gotten to do a lot of those things

63  
00:03:23,270 --> 00:03:19,280

but it's something that always struck me

64  
00:03:25,509 --> 00:03:23,280  
as uh dreaming about space and so i hope

65  
00:03:26,789 --> 00:03:25,519  
that as you guys were painting you were

66  
00:03:29,350 --> 00:03:26,799  
thinking about space and you were

67  
00:03:30,949 --> 00:03:29,360  
thinking about orbiting the planet and i

68  
00:03:32,550 --> 00:03:30,959  
can tell you that your spacesuit has

69  
00:03:37,110 --> 00:03:32,560  
found a wonderful home up here on the

70  
00:03:40,309 --> 00:03:38,789  
that's wonderful kate

71  
00:03:42,710 --> 00:03:40,319  
thank you so much and it's good talking

72  
00:03:42,720 --> 00:03:49,509  
it is great to see you

73  
00:03:53,910 --> 00:03:51,830  
and and kate yeah there is a lot of

74  
00:03:57,110 --> 00:03:53,920  
excitement down here um

75  
00:03:58,949 --> 00:03:57,120  
and our next our next artist is tatiana

76

00:04:01,110 --> 00:03:58,959

and i believe you might have met tatiana

77

00:04:03,509 --> 00:04:01,120

when we painted that day

78

00:04:08,630 --> 00:04:03,519

she's a beautiful young lady and she has

79

00:04:12,550 --> 00:04:10,949

hey tatiana hello from the international

80

00:04:15,750 --> 00:04:12,560

space station

81

00:04:19,030 --> 00:04:15,760

hello from you hello to you too

82

00:04:20,629 --> 00:04:19,040

um my question was

83

00:04:22,950 --> 00:04:20,639

that

84

00:04:23,830 --> 00:04:22,960

can you tell me

85

00:04:26,070 --> 00:04:23,840

what

86

00:04:31,510 --> 00:04:26,080

some of the new things you had to learn

87

00:04:35,590 --> 00:04:33,510

yeah that's a great question we have to

88

00:04:38,469 --> 00:04:35,600

learn a lot of things to become an

89

00:04:41,110 --> 00:04:38,479

astronaut and so one of the things that

90

00:04:42,790 --> 00:04:41,120

was most interesting to me was learning

91

00:04:45,350 --> 00:04:42,800

about flying

92

00:04:47,189 --> 00:04:45,360

and all of the kinds of engineering and

93

00:04:48,550 --> 00:04:47,199

mechanical work that we do up on the

94

00:04:50,550 --> 00:04:48,560

space station

95

00:04:52,790 --> 00:04:50,560

we have to learn a whole lot of things

96

00:04:55,030 --> 00:04:52,800

and sometimes it's a little bit hard to

97

00:04:56,950 --> 00:04:55,040

learn so many new things but that's also

98

00:04:59,990 --> 00:04:56,960

kind of the exciting thing

99

00:05:02,390 --> 00:05:00,000

so it's really enjoyable and really fun

100

00:05:06,550 --> 00:05:02,400

i think anytime you're learning about

101  
00:05:13,029 --> 00:05:08,870  
well that's kind of reassuring because

102  
00:05:13,990 --> 00:05:13,039  
i'm i'm trying to learn to animate

103  
00:05:16,790 --> 00:05:14,000  
so

104  
00:05:18,950 --> 00:05:16,800  
it takes a lot of work and

105  
00:05:23,670 --> 00:05:18,960  
i'm glad that somebody else has had to

106  
00:05:28,070 --> 00:05:25,990  
that sounds like a great project and

107  
00:05:30,070 --> 00:05:28,080  
very cool too i'm going to look forward

108  
00:05:32,310 --> 00:05:30,080  
to seeing some of your animations when i

109  
00:05:33,510 --> 00:05:32,320  
get back to the planet okay

110  
00:05:39,670 --> 00:05:33,520  
okay

111  
00:05:43,749 --> 00:05:41,270  
that was awesome yeah we're hoping that

112  
00:05:49,110 --> 00:05:43,759  
tatiana will help us animate some of the

113  
00:05:52,390 --> 00:05:50,710

and and kate

114

00:05:55,350 --> 00:05:52,400

we do have several other people here on

115

00:05:58,230 --> 00:05:55,360

the floor um our next artist is jacob

116

00:06:01,110 --> 00:05:58,240

who as you know also um

117

00:06:03,909 --> 00:06:01,120

uh is the the founder of our signature

118

00:06:08,710 --> 00:06:03,919

move uh for the spacesuit project but i

119

00:06:14,950 --> 00:06:10,950

well i want to say a special hello to

120

00:06:22,550 --> 00:06:17,749

how are you doing

121

00:06:32,830 --> 00:06:24,070

very good and i'm looking forward to

122

00:06:37,990 --> 00:06:35,909

question um so i've been really excited

123

00:06:40,629 --> 00:06:38,000

working on the spacesuit project it's

124

00:06:42,390 --> 00:06:40,639

really meant a lot to me and my family

125

00:06:44,150 --> 00:06:42,400

and um

126

00:06:47,590 --> 00:06:44,160

i've been super excited to learn more

127

00:06:50,550 --> 00:06:47,600

about nasa and space exploration but so

128

00:06:53,350 --> 00:06:50,560

i've got two questions um

129

00:06:56,150 --> 00:06:53,360

what in your mind are the most important

130

00:06:59,110 --> 00:06:56,160

attributes for an astronaut to have and

131

00:07:03,430 --> 00:06:59,120

what has working on this project meant

132

00:07:08,230 --> 00:07:05,830

those are great questions i think it's

133

00:07:10,950 --> 00:07:08,240

really important for an astronaut to be

134

00:07:14,309 --> 00:07:10,960

curious you just have to be curious and

135

00:07:17,350 --> 00:07:14,319

motivated for discovery and for research

136

00:07:19,830 --> 00:07:17,360

there's so much to explore up here

137

00:07:22,629 --> 00:07:19,840

you can see the planet every day and

138

00:07:25,189 --> 00:07:22,639

it's beautiful and if you're curious

139

00:07:26,710 --> 00:07:25,199

we use long lenses to take photographs

140

00:07:28,629 --> 00:07:26,720

of the planet

141

00:07:30,550 --> 00:07:28,639

if you're curious about research and

142

00:07:34,710 --> 00:07:30,560

interested in the research it's an

143

00:07:36,870 --> 00:07:34,720

amazing world of discovery up here

144

00:07:39,830 --> 00:07:36,880

and for your second question

145

00:07:42,070 --> 00:07:39,840

this project has really inspired me it

146

00:07:44,230 --> 00:07:42,080

was an amazing opportunity to get a

147

00:07:47,270 --> 00:07:44,240

chance to paint with you guys i remember

148

00:07:52,469 --> 00:07:49,589

when it was just a blank canvas and all

149

00:07:55,189 --> 00:07:52,479

of you guys painted on it and i thought

150

00:07:57,029 --> 00:07:55,199

about that as soon as we were unpacking

151  
00:07:59,589 --> 00:07:57,039  
dragon when we were unpacking all the

152  
00:08:02,309 --> 00:07:59,599  
cargo i said let's look out for this

153  
00:08:04,950 --> 00:08:02,319  
spacesuit this is so important and all

154  
00:08:07,270 --> 00:08:04,960  
these kids have made some beautiful art

155  
00:08:09,350 --> 00:08:07,280  
we've launched it into space and it's

156  
00:08:11,270 --> 00:08:09,360  
now orbiting our beautiful planet so

157  
00:08:13,350 --> 00:08:11,280  
it's meant a lot to me as really

158  
00:08:17,350 --> 00:08:13,360  
inspired by this project and really

159  
00:08:17,360 --> 00:08:22,869  
thank you so much

160  
00:08:26,790 --> 00:08:25,670  
thanks jacob and thanks kate and i

161  
00:08:28,390 --> 00:08:26,800  
wanted to let you know a couple of the

162  
00:08:29,990 --> 00:08:28,400  
other people who are here on the floor

163  
00:08:31,830 --> 00:08:30,000

with us um

164

00:08:34,870 --> 00:08:31,840

we have uh

165

00:08:37,750 --> 00:08:34,880

uh greg box johnson has joined us from

166

00:08:39,110 --> 00:08:37,760

cases here on the floor today and we're

167

00:08:41,509 --> 00:08:39,120

really looking forward to hopefully some

168

00:08:43,589 --> 00:08:41,519

future work with him on this as we tie

169

00:08:45,269 --> 00:08:43,599

the wonderful research that's going on

170

00:08:47,190 --> 00:08:45,279

with the space station

171

00:08:48,870 --> 00:08:47,200

to help improve life here on earth to

172

00:08:51,350 --> 00:08:48,880

help us explore further

173

00:09:01,350 --> 00:08:51,360

to this beautiful example of art and

174

00:09:06,949 --> 00:09:03,430

and we have

175

00:09:09,990 --> 00:09:06,959

david graciosi our ilc dover

176

00:09:11,350 --> 00:09:10,000

man in command who made so much of this

177

00:09:13,110 --> 00:09:11,360

happen for us

178

00:09:14,230 --> 00:09:13,120

of course on the hope suit our first

179

00:09:16,630 --> 00:09:14,240

suit

180

00:09:19,190 --> 00:09:16,640

all of the wonderful people at ilc dover

181

00:09:20,949 --> 00:09:19,200

quilted so beautifully the hope suit

182

00:09:23,590 --> 00:09:20,959

together and

183

00:09:26,070 --> 00:09:23,600

maybe someday hope can be on station as

184

00:09:28,870 --> 00:09:26,080

well we'll cross our fingers for things

185

00:09:31,829 --> 00:09:28,880

like that and they will be helping us to

186

00:09:33,590 --> 00:09:31,839

build um the third suit unity that we

187

00:09:35,910 --> 00:09:33,600

just traveled ian and i traveled around

188

00:09:39,190 --> 00:09:35,920

the world to gather artwork from

189

00:09:42,070 --> 00:09:39,200

children at hospitals in some of the iss

190

00:09:43,670 --> 00:09:42,080

headquarters partner cities and really

191

00:09:44,550 --> 00:09:43,680

beautiful work that we brought back that

192

00:09:49,590 --> 00:09:44,560

will

193

00:09:54,790 --> 00:09:52,070

well i want to say hello to

194

00:09:56,949 --> 00:09:54,800

greg johnson and to cases and say thank

195

00:09:59,430 --> 00:09:56,959

you for the amazing amount of work that

196

00:10:02,230 --> 00:09:59,440

we're doing up here the research is

197

00:10:03,110 --> 00:10:02,240

fascinating uh the payloads that we have

198

00:10:07,829 --> 00:10:03,120

here

199

00:10:10,710 --> 00:10:07,839

phenomenal work on board and i also want

200

00:10:13,110 --> 00:10:10,720

to say hello and thank you to ilc dover

201  
00:10:14,949 --> 00:10:13,120  
you guys build an incredibly reliable

202  
00:10:17,350 --> 00:10:14,959  
spacesuit outside

203  
00:10:18,949 --> 00:10:17,360  
we've taken them out the door twice so

204  
00:10:21,350 --> 00:10:18,959  
far and

205  
00:10:24,310 --> 00:10:21,360  
you actually build the suits that we use

206  
00:10:26,310 --> 00:10:24,320  
in the biosafety level four lab so the

207  
00:10:28,710 --> 00:10:26,320  
third thing i can add to that list is a

208  
00:10:31,670 --> 00:10:28,720  
thank you for the work that you've done

209  
00:10:33,990 --> 00:10:31,680  
to stitch together and to build these

210  
00:10:37,829 --> 00:10:34,000  
incredible suits for the spacesuit art

211  
00:10:41,990 --> 00:10:40,389  
thank you kate and we also from md

212  
00:10:45,110 --> 00:10:42,000  
anderson we have

213  
00:10:47,829 --> 00:10:45,120

dr heifemeister here with us today

214

00:10:49,350 --> 00:10:47,839

representing all of md anderson for us

215

00:10:50,389 --> 00:10:49,360

and um

216

00:10:52,790 --> 00:10:50,399

and

217

00:10:55,350 --> 00:10:52,800

i personally want to say thank you for

218

00:10:57,190 --> 00:10:55,360

the support that you give ian

219

00:11:00,550 --> 00:10:57,200

with the arts and medicine program ian

220

00:11:03,509 --> 00:11:00,560

ian scion is also here today kate and i

221

00:11:05,509 --> 00:11:03,519

can tell you that uh wonderful healing

222

00:11:07,509 --> 00:11:05,519

things are coming from

223

00:11:08,710 --> 00:11:07,519

from these art projects with the people

224

00:11:11,110 --> 00:11:08,720

working them

225

00:11:12,870 --> 00:11:11,120

i know for myself like like kate said

226

00:11:15,670 --> 00:11:12,880

the the inspiration that comes from this

227

00:11:17,350 --> 00:11:15,680

is ginormous in the words of my son and

228

00:11:19,910 --> 00:11:17,360

so very thankful to have both of you

229

00:11:22,310 --> 00:11:19,920

here today and then we could not have

230

00:11:26,310 --> 00:11:22,320

done any of this without the support

231

00:11:28,870 --> 00:11:26,320

of uh dr ochoa here who

232

00:11:30,470 --> 00:11:28,880

has been behind the scenes helping us

233

00:11:31,990 --> 00:11:30,480

all along with this

234

00:11:35,030 --> 00:11:32,000

but i have to say

235

00:11:37,670 --> 00:11:35,040

also a sincere thanks to the iss program

236

00:11:40,550 --> 00:11:37,680

um gordo is up in the control room again

237

00:11:42,470 --> 00:11:40,560

hiding and not down here but of course

238

00:11:44,550 --> 00:11:42,480

we need to high five him

239

00:11:47,590 --> 00:11:44,560

but we have dylan mathis and joel

240

00:11:49,590 --> 00:11:47,600

montebano here on the floor and i just i

241

00:11:51,829 --> 00:11:49,600

cannot say thanks enough for

242

00:11:53,670 --> 00:11:51,839

allowing this to happen today allowing

243

00:11:56,069 --> 00:11:53,680

all of us to come together working in

244

00:11:58,069 --> 00:11:56,079

this partnership that we have and i look

245

00:12:01,590 --> 00:11:58,079

forward to even more beautiful things

246

00:12:07,190 --> 00:12:04,470

absolutely i want to say hi to ian it's

247

00:12:09,670 --> 00:12:07,200

good to see you and thank you to md

248

00:12:11,590 --> 00:12:09,680

anderson you guys are incredible it was

249

00:12:14,389 --> 00:12:11,600

really fascinating to visit your

250

00:12:16,949 --> 00:12:14,399

facility and really amazing to see what

251  
00:12:19,350 --> 00:12:16,959  
you're doing both on the research side

252  
00:12:21,670 --> 00:12:19,360  
as well as the patient care side it's

253  
00:12:23,910 --> 00:12:21,680  
incredible what you're doing for cancer

254  
00:12:25,110 --> 00:12:23,920  
in general and especially for pediatric

255  
00:12:27,110 --> 00:12:25,120  
cancer

256  
00:12:30,310 --> 00:12:27,120  
i definitely want to say hi

257  
00:12:33,350 --> 00:12:30,320  
to ellen and to thank her and to thank

258  
00:12:35,350 --> 00:12:33,360  
the the space station program and gordo

259  
00:12:37,990 --> 00:12:35,360  
and dylan and all of the folks that have

260  
00:12:40,389 --> 00:12:38,000  
made this possible it's been a fantastic

261  
00:12:43,110 --> 00:12:40,399  
opportunity i think for these kids to

262  
00:12:47,590 --> 00:12:43,120  
get to see their art in space so thank

263  
00:12:50,949 --> 00:12:49,190

thank you kate and i think we're going

264

00:12:52,949 --> 00:12:50,959

to wrap it up

265

00:12:54,790 --> 00:12:52,959

as september is childhood cancer

266

00:12:57,590 --> 00:12:54,800

awareness month this couldn't have

267

00:12:59,670 --> 00:12:57,600

happened at a better time i know we have

268

00:13:01,350 --> 00:12:59,680

individuals and people from different

269

00:13:03,030 --> 00:13:01,360

organizations here that are represented

270

00:13:06,230 --> 00:13:03,040

as part of this project but it is a much

271

00:13:08,150 --> 00:13:06,240

bigger thing than any one of us or the

272

00:13:10,150 --> 00:13:08,160

people that are here today and again

273

00:13:11,829 --> 00:13:10,160

very thankful for your participation and

274

00:13:14,870 --> 00:13:11,839

to see you up there

275

00:13:16,310 --> 00:13:14,880

displaying this beautiful artwork in

276

00:13:17,910 --> 00:13:16,320

what i believe is a very beautiful

277

00:13:22,629 --> 00:13:17,920

gallery behind you

278

00:13:27,269 --> 00:13:24,629

thank you so much nicole and i want to

279

00:13:29,030 --> 00:13:27,279

thank you to every single kid who

280

00:13:30,069 --> 00:13:29,040

painted on this suit you guys are

281

00:13:32,150 --> 00:13:30,079

artists

282

00:13:48,790 --> 00:13:32,160

you're awesome and you're inspiring to

283

00:13:53,509 --> 00:13:50,949

thank you md anderson center and

284

00:13:55,670 --> 00:13:53,519

participants station please stand by