



1
00:00:05,670 --> 00:00:03,270
after the dragon spacecraft does arrive

2
00:00:07,269 --> 00:00:05,680
at the station and the hatches are open

3
00:00:09,430 --> 00:00:07,279
the crews on board are going to start to

4
00:00:12,230 --> 00:00:09,440
unload the cargo that's inside now the

5
00:00:14,549 --> 00:00:12,240
largest portion of that cargo is food

6
00:00:16,710 --> 00:00:14,559
and crew provisions but there is science

7
00:00:18,150 --> 00:00:16,720
experiment hardware in there as well

8
00:00:20,790 --> 00:00:18,160
we're going to find out this morning

9
00:00:22,790 --> 00:00:20,800
more about those that cargo and other

10
00:00:24,710 --> 00:00:22,800
news regarding space station science

11
00:00:27,189 --> 00:00:24,720
from dr tara rutley the international

12
00:00:28,870 --> 00:00:27,199
space station's assistant associate

13
00:00:29,990 --> 00:00:28,880

program scientist got it associate

14

00:00:32,870 --> 00:00:30,000

program

15

00:00:35,270 --> 00:00:32,880

the only science payloads inside this

16

00:00:37,510 --> 00:00:35,280

spaceship are coming from a dozen groups

17

00:00:39,750 --> 00:00:37,520

of school kids uh tell me about the

18

00:00:41,910 --> 00:00:39,760

student space flight experiment program

19

00:00:43,590 --> 00:00:41,920

sure how cool is that right

20

00:00:45,910 --> 00:00:43,600

i know that the students who are

21

00:00:48,470 --> 00:00:45,920

watching this whole spacex demo launch

22

00:00:50,470 --> 00:00:48,480

and and watching their payload go

23

00:00:52,150 --> 00:00:50,480

must be super super thrilled

24

00:00:54,470 --> 00:00:52,160

beyond anything probably that a science

25

00:00:57,350 --> 00:00:54,480

fair could even do for them but

26

00:00:59,510 --> 00:00:57,360

so this is a program that's

27

00:01:01,189 --> 00:00:59,520

sponsored jointly actually by the

28

00:01:02,790 --> 00:01:01,199

national center for earth and space

29

00:01:03,830 --> 00:01:02,800

science education

30

00:01:05,750 --> 00:01:03,840

and

31

00:01:07,109 --> 00:01:05,760

the nanoracks the company nanoracks

32

00:01:09,510 --> 00:01:07,119

commercial company

33

00:01:11,670 --> 00:01:09,520

and so it's as part of a student

34

00:01:14,149 --> 00:01:11,680

competition and this is the first of its

35

00:01:15,670 --> 00:01:14,159

kind that's going to stay on station

36

00:01:18,070 --> 00:01:15,680

although this program has a history of

37

00:01:20,390 --> 00:01:18,080

launching two i think two previous

38

00:01:21,429 --> 00:01:20,400

student investigations on a nanoracks

39

00:01:24,149 --> 00:01:21,439

module

40

00:01:27,109 --> 00:01:24,159

uh on the shuttle missions so what

41

00:01:29,109 --> 00:01:27,119

nanoracks is it's a small laboratory

42

00:01:30,870 --> 00:01:29,119

basically a very mini laboratory that

43

00:01:33,510 --> 00:01:30,880

can get launched to station and can live

44

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

on station and you know you basically

45

00:01:36,710 --> 00:01:34,960

plug and play these experiments and they

46

00:01:40,149 --> 00:01:36,720

can do their thing while they're up in

47

00:01:42,389 --> 00:01:40,159

microgravity and so nanoracks and the

48

00:01:44,710 --> 00:01:42,399

program partnered and put out a call for

49

00:01:47,350 --> 00:01:44,720

proposals for students last year i think

50

00:01:49,190 --> 00:01:47,360

it was last fall to compete you know

51
00:01:51,190 --> 00:01:49,200
compete and design and create a proposal

52
00:01:52,469 --> 00:01:51,200
as as to basically what do you think you

53
00:01:55,429 --> 00:01:52,479
might see

54
00:01:56,709 --> 00:01:55,439
in terms of changes um in experiments in

55
00:01:58,310 --> 00:01:56,719
microgravity

56
00:02:00,469 --> 00:01:58,320
so students from across the nation

57
00:02:02,789 --> 00:02:00,479
participated there were nearly 800

58
00:02:05,270 --> 00:02:02,799
proposals that were submitted from the

59
00:02:07,030 --> 00:02:05,280
students and it and it basically reached

60
00:02:09,190 --> 00:02:07,040
out to about that that involved about 3

61
00:02:11,990 --> 00:02:09,200
500 students actually participating in

62
00:02:13,190 --> 00:02:12,000
experimental design in a way that was

63
00:02:15,990 --> 00:02:13,200

different because when you're creating a

64

00:02:17,510 --> 00:02:16,000

new experiment for for space station you

65

00:02:20,390 --> 00:02:17,520

have to take gravity out of the equation

66

00:02:23,750 --> 00:02:20,400

and that's a complete challenge so after

67

00:02:25,990 --> 00:02:23,760

two grueling rounds of um of uh

68

00:02:27,990 --> 00:02:26,000

selection processes from top-notch

69

00:02:29,190 --> 00:02:28,000

researchers all over the country

70

00:02:30,710 --> 00:02:29,200

they all came together at the air and

71

00:02:33,190 --> 00:02:30,720

space museum

72

00:02:36,229 --> 00:02:33,200

at the smithsonian and dc and selected

73

00:02:38,229 --> 00:02:36,239

the finalists and the finalists were uh

74

00:02:40,390 --> 00:02:38,239

representing um there were 12

75

00:02:42,229 --> 00:02:40,400

communities representing nine states

76

00:02:44,550 --> 00:02:42,239

including and and the district of

77

00:02:46,470 --> 00:02:44,560

columbia uh to

78

00:02:48,949 --> 00:02:46,480

basically get their experiment launched

79

00:02:50,309 --> 00:02:48,959

on station and get to sit on station for

80

00:02:51,190 --> 00:02:50,319

a while to see what they can come up

81

00:02:52,869 --> 00:02:51,200

with

82

00:02:54,630 --> 00:02:52,879

so what did the what are the winners

83

00:02:56,790 --> 00:02:54,640

investigating so the winners are

84

00:02:58,949 --> 00:02:56,800

investigating a wide range of things and

85

00:03:01,030 --> 00:02:58,959

when i read through these i'm i'm like

86

00:03:04,390 --> 00:03:01,040

this is super cool because the thing

87

00:03:06,710 --> 00:03:04,400

about the students uh experiments is

88

00:03:08,070 --> 00:03:06,720

you know some of them are complete

89

00:03:09,750 --> 00:03:08,080

shots in the dark you don't know what

90

00:03:11,670 --> 00:03:09,760

you don't know so

91

00:03:12,949 --> 00:03:11,680

basic discovery and a chance that hey i

92

00:03:13,990 --> 00:03:12,959

want to see how some of this stuff comes

93

00:03:16,390 --> 00:03:14,000

out so

94

00:03:19,030 --> 00:03:16,400

one of them is investigating uh grape

95

00:03:20,869 --> 00:03:19,040

fermentation in space so they've got a

96

00:03:22,949 --> 00:03:20,879

ground control and they and they flew a

97

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

set up on on the space station where

98

00:03:26,869 --> 00:03:24,640

they're looking at um they're going to

99

00:03:28,390 --> 00:03:26,879

measure carbon dioxide production rates

100

00:03:30,309 --> 00:03:28,400

and so this sample needs to come home so

101

00:03:32,949 --> 00:03:30,319

they can compare their their flown

102

00:03:34,550 --> 00:03:32,959

sample to the ground and see which which

103

00:03:36,309 --> 00:03:34,560

which part ferments faster the one in

104

00:03:38,070 --> 00:03:36,319

space or the one on the ground

105

00:03:40,309 --> 00:03:38,080

there's another one looking at the

106

00:03:42,869 --> 00:03:40,319

parathyroid effects of parathyroid

107

00:03:44,630 --> 00:03:42,879

hormone on the growth of bone cells

108

00:03:45,670 --> 00:03:44,640

there's another one which is really cool

109

00:03:47,830 --> 00:03:45,680

they're gonna

110

00:03:50,309 --> 00:03:47,840

send dormant kill fish eggs up to

111

00:03:52,070 --> 00:03:50,319

station rehydrate them on station and

112

00:03:53,830 --> 00:03:52,080

watch them develop and get the samples

113

00:03:55,429 --> 00:03:53,840

back and look at how those samples have

114

00:03:57,270 --> 00:03:55,439

developed in space

115

00:03:59,509 --> 00:03:57,280

pretty cool stuff right how old are

116

00:04:01,350 --> 00:03:59,519

these students well they range from

117

00:04:03,509 --> 00:04:01,360

fifth grade all the way to i believe

118

00:04:06,470 --> 00:04:03,519

there is a community college involvement

119

00:04:08,949 --> 00:04:06,480

as well and the uh and now there's even

120

00:04:10,390 --> 00:04:08,959

a university for four-year universities

121

00:04:11,990 --> 00:04:10,400

who can participate in the upcoming

122

00:04:14,630 --> 00:04:12,000

missions as well but

123

00:04:15,750 --> 00:04:14,640

i you know i've i got online when these

124

00:04:17,670 --> 00:04:15,760

came up and i kind of started

125

00:04:19,189 --> 00:04:17,680

investigating these myself and i've seen

126

00:04:20,949 --> 00:04:19,199

what happens is when these students get

127

00:04:23,030 --> 00:04:20,959

their samples back and complete their

128

00:04:24,390 --> 00:04:23,040

analysis they all come to a conference

129

00:04:26,710 --> 00:04:24,400

at the air and space museum at the

130

00:04:28,950 --> 00:04:26,720

smithsonian in dc and they stand on

131

00:04:31,350 --> 00:04:28,960

stage and they have their presentation

132

00:04:32,469 --> 00:04:31,360

and they give their final results like

133

00:04:34,629 --> 00:04:32,479

like you would at a scientific

134

00:04:37,749 --> 00:04:34,639

conference so i'm watching these fifth

135

00:04:39,350 --> 00:04:37,759

graders who i would have never done what

136

00:04:41,430 --> 00:04:39,360

they had done in fifth grade you know my

137

00:04:44,150 --> 00:04:41,440

science fair projects were never as cool

138

00:04:45,670 --> 00:04:44,160

so uh so they take it from beginning

139

00:04:47,350 --> 00:04:45,680

from experimental design to

140

00:04:49,430 --> 00:04:47,360

implementation to completing the

141

00:04:51,590 --> 00:04:49,440

analysis and communicating the results

142

00:04:54,070 --> 00:04:51,600

and so uh even at a fifth grade level

143

00:04:56,070 --> 00:04:54,080

all you know that's insanely cool very

144

00:04:57,990 --> 00:04:56,080

sophisticated experiments for the

145

00:05:00,550 --> 00:04:58,000

students

146

00:05:03,670 --> 00:05:00,560

along with designing them originally in

147

00:05:04,950 --> 00:05:03,680

these students also had to redesign some

148

00:05:06,550 --> 00:05:04,960

of their experiments or at least

149

00:05:08,710 --> 00:05:06,560

consider redesign because they were

150

00:05:10,710 --> 00:05:08,720

originally going to fly on a different

151
00:05:12,790 --> 00:05:10,720
spacecraft so they had they had to look

152
00:05:15,909 --> 00:05:12,800
at redoing it just like you would have

153
00:05:17,749 --> 00:05:15,919
to maybe redo things in real life

154
00:05:19,590 --> 00:05:17,759
how helpful is that for them that's

155
00:05:21,510 --> 00:05:19,600
right it's the real world that's how

156
00:05:23,830 --> 00:05:21,520
helpful it is um

157
00:05:26,150 --> 00:05:23,840
and and and analogous to that every

158
00:05:28,310 --> 00:05:26,160
scientist whoever does any investigation

159
00:05:29,749 --> 00:05:28,320
the first time around it never comes out

160
00:05:31,350 --> 00:05:29,759
the first time right so science is an

161
00:05:33,270 --> 00:05:31,360
iterative process now when you're

162
00:05:35,830 --> 00:05:33,280
talking about space flight it's it's a

163
00:05:37,749 --> 00:05:35,840

completely uniquely iterative process

164

00:05:39,350 --> 00:05:37,759

and just like our scientists our

165

00:05:41,350 --> 00:05:39,360

investigators on the full-time space

166

00:05:43,990 --> 00:05:41,360

station have these students met the

167

00:05:45,029 --> 00:05:44,000

challenge um of you know when they were

168

00:05:46,390 --> 00:05:45,039

still where they were early in the

169

00:05:48,310 --> 00:05:46,400

selection process

170

00:05:50,310 --> 00:05:48,320

these students were told they were

171

00:05:52,150 --> 00:05:50,320

realized that their projects couldn't be

172

00:05:55,270 --> 00:05:52,160

refrigerated and transport from houston

173

00:05:57,189 --> 00:05:55,280

to kazakhstan and then couldn't be

174

00:05:59,029 --> 00:05:57,199

refrigerated in the soyuz that they were

175

00:06:00,550 --> 00:05:59,039

planning to launch these experiments in

176

00:06:02,309 --> 00:06:00,560

so the students were asked to go back

177

00:06:04,790 --> 00:06:02,319

and reevaluate their experiments and see

178

00:06:06,710 --> 00:06:04,800

if they could do without refrigeration

179

00:06:08,950 --> 00:06:06,720

and then there were there were three

180

00:06:11,590 --> 00:06:08,960

subsequent experiments who couldn't do

181

00:06:13,830 --> 00:06:11,600

without refrigeration so um so they were

182

00:06:15,909 --> 00:06:13,840

uh their alternates were selected

183

00:06:18,230 --> 00:06:15,919

and so students were moving forward with

184

00:06:20,710 --> 00:06:18,240

those um investigations preparing them

185

00:06:23,510 --> 00:06:20,720

for launch on soyuz and then in january

186

00:06:25,830 --> 00:06:23,520

soyuz had a pressurization test fail

187

00:06:28,629 --> 00:06:25,840

which then again impacted their flight

188

00:06:31,029 --> 00:06:28,639

and as a result of all that nasa moved

189

00:06:33,590 --> 00:06:31,039

this investigational payload to

190

00:06:35,189 --> 00:06:33,600

the historic now spacex demo launch

191

00:06:39,670 --> 00:06:35,199

which

192

00:06:41,670 --> 00:06:39,680

cold cold stowage capability so not only

193

00:06:43,430 --> 00:06:41,680

did the alternates get to fly the three

194

00:06:45,590 --> 00:06:43,440

alternates but the original three that

195

00:06:47,749 --> 00:06:45,600

needed refrigeration also got to fly so

196

00:06:50,629 --> 00:06:47,759

now instead of 12 experiments going up

197

00:06:52,550 --> 00:06:50,639

we have 15 and so everyone's satisfied

198

00:06:54,790 --> 00:06:52,560

and they the students get to participate

199

00:06:56,629 --> 00:06:54,800

in a historic launch to space station

200

00:06:59,029 --> 00:06:56,639

and the first commercial cargo vehicle

201
00:07:00,629 --> 00:06:59,039
to dock from the u.s so

202
00:07:02,309 --> 00:07:00,639
do all of them come back do they all

203
00:07:04,390 --> 00:07:02,319
have to have samples that have to come

204
00:07:06,230 --> 00:07:04,400
back to be to be examined not all of

205
00:07:08,469 --> 00:07:06,240
them need to come back to have samples

206
00:07:10,469 --> 00:07:08,479
of the majority of them do and that's

207
00:07:12,550 --> 00:07:10,479
also critical for our investigators and

208
00:07:15,350 --> 00:07:12,560
that's why we're excited about spacex

209
00:07:17,270 --> 00:07:15,360
because spacex represents

210
00:07:19,350 --> 00:07:17,280
our nation's capability now of getting

211
00:07:21,830 --> 00:07:19,360
any kind of return of samples from space

212
00:07:23,589 --> 00:07:21,840
station and so although these

213
00:07:26,070 --> 00:07:23,599

investigations won't come back on space

214

00:07:28,230 --> 00:07:26,080

station won't come back on spacex

215

00:07:30,870 --> 00:07:28,240

they'll come back later on soyuz we do

216

00:07:32,070 --> 00:07:30,880

need the samples returned so they want

217

00:07:34,870 --> 00:07:32,080

to look at you know how the fish

218

00:07:36,150 --> 00:07:34,880

developed the returns capabilities the

219

00:07:37,589 --> 00:07:36,160

return requirements i should say of

220

00:07:39,029 --> 00:07:37,599

these experiments don't require

221

00:07:42,469 --> 00:07:39,039

refrigeration so they are going to come

222

00:07:43,909 --> 00:07:42,479

back on a soyuz but in general spacex

223

00:07:45,589 --> 00:07:43,919

in terms of science we're excited

224

00:07:47,110 --> 00:07:45,599

because it because those will that will

225

00:07:49,029 --> 00:07:47,120

require code storage capabilities we'll

226

00:07:50,469 --> 00:07:49,039

get that in the future there will be

227

00:07:53,029 --> 00:07:50,479

other kids in the future that'll get

228

00:07:55,749 --> 00:07:53,039

this opportunity yeah so they just

229

00:07:57,270 --> 00:07:55,759

completed a second round of selection

230

00:07:59,749 --> 00:07:57,280

for the mission two because this is

231

00:08:01,589 --> 00:07:59,759

called mission 1 station mission 2 is

232

00:08:03,510 --> 00:08:01,599

going to be launched to station in the

233

00:08:05,029 --> 00:08:03,520

fall so those have been selected and

234

00:08:07,830 --> 00:08:05,039

just at the end of april there's been

235

00:08:09,589 --> 00:08:07,840

another call for proposals

236

00:08:11,510 --> 00:08:09,599

for students who are interested in

237

00:08:14,550 --> 00:08:11,520

flying mission 3 and mission three is

238

00:08:17,029 --> 00:08:14,560

expected to launch in uh the spring of

239

00:08:19,909 --> 00:08:17,039

next year so there's one opportunity

240

00:08:23,510 --> 00:08:19,919

after another and from what i've read

241

00:08:24,629 --> 00:08:23,520

this program makes it really really um i

242

00:08:26,790 --> 00:08:24,639

wouldn't say easy because you still have

243

00:08:29,029 --> 00:08:26,800

to compete but if you're interested they

244

00:08:30,869 --> 00:08:29,039

accept all proposals all ideas from

245

00:08:32,949 --> 00:08:30,879

across the range so nothing is off the

246

00:08:34,469 --> 00:08:32,959

table and they do their best to

247

00:08:36,389 --> 00:08:34,479

accommodate and get you up there if

248

00:08:37,430 --> 00:08:36,399

you're selected so they really really

249

00:08:39,269 --> 00:08:37,440

have

250

00:08:40,469 --> 00:08:39,279

a serious stake in this for the students

251
00:08:41,909 --> 00:08:40,479
and

252
00:08:43,350 --> 00:08:41,919
i can't wait to see the results that

253
00:08:45,509 --> 00:08:43,360
come back frankly

254
00:08:46,550 --> 00:08:45,519
and then on another topic it was three

255
00:08:48,790 --> 00:08:46,560
years ago

256
00:08:51,190 --> 00:08:48,800
just next week the time that expedition

257
00:08:54,310 --> 00:08:51,200
20 began right when the station expanded

258
00:08:56,470 --> 00:08:54,320
to a full-time crew of six people have

259
00:08:58,710 --> 00:08:56,480
you seen a significant change in the

260
00:09:01,990 --> 00:08:58,720
amount of science work that crew members

261
00:09:03,910 --> 00:09:02,000
are are getting through since the crew's

262
00:09:05,910 --> 00:09:03,920
size has doubled yes the significant

263
00:09:07,350 --> 00:09:05,920

change our office is kept really really

264

00:09:08,870 --> 00:09:07,360

busy i've been in the office for three

265

00:09:10,710 --> 00:09:08,880

years right around when that point

266

00:09:12,389 --> 00:09:10,720

started and i've seen uh the

267

00:09:14,870 --> 00:09:12,399

capabilities increase in the in the

268

00:09:17,030 --> 00:09:14,880

number of crew hours in fact if i had to

269

00:09:19,350 --> 00:09:17,040

to couch it i'd say a little over two

270

00:09:21,910 --> 00:09:19,360

times as much as getting done on station

271

00:09:24,470 --> 00:09:21,920

in terms of research from the crew

272

00:09:26,150 --> 00:09:24,480

and our office is over two times as busy

273

00:09:28,230 --> 00:09:26,160

and we're all excited so i know i've

274

00:09:30,389 --> 00:09:28,240

seen it firsthand the ramp up of the of

275

00:09:32,790 --> 00:09:30,399

the number of investigations the quality

276

00:09:33,910 --> 00:09:32,800

of the investigations the organization

277

00:09:35,110 --> 00:09:33,920

of the investigations and the

278

00:09:36,949 --> 00:09:35,120

communication with the principal

279

00:09:39,509 --> 00:09:36,959

investigators so it's been a real

280

00:09:41,829 --> 00:09:39,519

exciting three years is there a way to

281

00:09:43,990 --> 00:09:41,839

characterize the quality of that

282

00:09:46,550 --> 00:09:44,000

increased quantity yeah everybody wants

283

00:09:48,870 --> 00:09:46,560

to know you know what station doing for

284

00:09:52,070 --> 00:09:48,880

for us and it's hard to characterize the

285

00:09:54,150 --> 00:09:52,080

quality because it the results keep

286

00:09:57,030 --> 00:09:54,160

coming in in different areas so human

287

00:09:59,509 --> 00:09:57,040

health earth observation and

288

00:10:00,550 --> 00:09:59,519

education and you know materials

289

00:10:02,710 --> 00:10:00,560

improvements

290

00:10:04,949 --> 00:10:02,720

and and and now that assembly is

291

00:10:06,550 --> 00:10:04,959

complete and we're facing full-time use

292

00:10:08,389 --> 00:10:06,560

of station

293

00:10:10,470 --> 00:10:08,399

the results come in piece by piece and

294

00:10:12,710 --> 00:10:10,480

we do our best to communicate them and

295

00:10:14,069 --> 00:10:12,720

each one has its own value to the public

296

00:10:15,750 --> 00:10:14,079

and so

297

00:10:18,230 --> 00:10:15,760

so really i think what we're going to

298

00:10:20,069 --> 00:10:18,240

look ahead towards is the next eight

299

00:10:21,910 --> 00:10:20,079

years of utilization we're in the decade

300

00:10:24,150 --> 00:10:21,920

of utilization so even in that first 10

301
00:10:26,230 --> 00:10:24,160
years of assembly we did get amazing

302
00:10:27,829 --> 00:10:26,240
results they're trickling in just from

303
00:10:29,190 --> 00:10:27,839
that first 10 years even though we were

304
00:10:30,710 --> 00:10:29,200
busy with assembly and it's just like

305
00:10:33,190 --> 00:10:30,720
apollo we're still seeing results from

306
00:10:35,590 --> 00:10:33,200
apollo so hard to characterize all of

307
00:10:37,509 --> 00:10:35,600
that they're just still coming in

308
00:10:39,590 --> 00:10:37,519
we are on our office definitely get a

309
00:10:41,670 --> 00:10:39,600
grasp of all the super cool results that

310
00:10:44,150 --> 00:10:41,680
keep coming in and we're busy compiling

311
00:10:45,350 --> 00:10:44,160
them and communicating them and

312
00:10:47,430 --> 00:10:45,360
and you know making sure the public

313
00:10:49,509 --> 00:10:47,440

knows how they're uh they're beneficial

314

00:10:51,670 --> 00:10:49,519

to them as well there's an event coming

315

00:10:53,350 --> 00:10:51,680

up soon that we're going to do that to

316

00:10:55,670 --> 00:10:53,360

uh to give everybody a chance to learn

317

00:10:57,430 --> 00:10:55,680

more about science tell us about the the

318

00:10:59,829 --> 00:10:57,440

uh space station research and

319

00:11:01,350 --> 00:10:59,839

development conference in june yeah it's

320

00:11:03,110 --> 00:11:01,360

pretty much a dream event for

321

00:11:05,670 --> 00:11:03,120

investigators who have ever done or

322

00:11:07,430 --> 00:11:05,680

wanted to do anything in space um

323

00:11:09,910 --> 00:11:07,440

it is a conference that will be june

324

00:11:12,069 --> 00:11:09,920

26th through the 28th in denver uh

325

00:11:14,550 --> 00:11:12,079

sponsored co-sponsored by

326

00:11:17,030 --> 00:11:14,560

kasis the national laboratory

327

00:11:18,870 --> 00:11:17,040

management office and the uh american

328

00:11:20,710 --> 00:11:18,880

astronautical society and it's the first

329

00:11:23,110 --> 00:11:20,720

ever conference where we'll pull

330

00:11:24,790 --> 00:11:23,120

together all of the major uh principal

331

00:11:27,110 --> 00:11:24,800

investigators involved in major results

332

00:11:28,949 --> 00:11:27,120

on space station not just to say look

333

00:11:30,550 --> 00:11:28,959

what i did look what benefits you

334

00:11:32,389 --> 00:11:30,560

although certainly we want to hear the

335

00:11:34,310 --> 00:11:32,399

benefits but also to share lessons

336

00:11:35,829 --> 00:11:34,320

learned right in science you really want

337

00:11:37,509 --> 00:11:35,839

to be able to talk about what worked and

338

00:11:39,030 --> 00:11:37,519

what didn't work and in space there's a

339

00:11:41,110 --> 00:11:39,040

lot that doesn't work and we want to be

340

00:11:42,949 --> 00:11:41,120

able to communicate that we'll also have

341

00:11:46,150 --> 00:11:42,959

an opportunity in that

342

00:11:47,990 --> 00:11:46,160

meeting to bring on potential new

343

00:11:49,670 --> 00:11:48,000

investigators so if you're a new

344

00:11:50,870 --> 00:11:49,680

investigator you're thinking about doing

345

00:11:52,069 --> 00:11:50,880

something on space station there are

346

00:11:53,190 --> 00:11:52,079

workshops that are going to be held

347

00:11:55,750 --> 00:11:53,200

there

348

00:11:58,230 --> 00:11:55,760

to tell you how to do it so it's uh it's

349

00:12:00,389 --> 00:11:58,240

going to be a pretty busy amazing

350

00:12:01,269 --> 00:12:00,399

wonderfully

351
00:12:04,069 --> 00:12:01,279
learning

352
00:12:05,030 --> 00:12:04,079
experience at this conference so i think

353
00:12:06,389 --> 00:12:05,040
if you're interested you should

354
00:12:09,110 --> 00:12:06,399
definitely get out there that's late

355
00:12:11,269 --> 00:12:09,120
june in denver is there a website where

356
00:12:15,670 --> 00:12:11,279
people who are interested yes i believe

357
00:12:19,110 --> 00:12:17,350
and then if you're interested in getting

358
00:12:21,750 --> 00:12:19,120
your student experiment up as part of

359
00:12:27,670 --> 00:12:21,760
the ssep program you should go to let's

360
00:12:31,590 --> 00:12:29,509
and if you missed that if you google

361
00:12:33,350 --> 00:12:31,600
ssep it's the first thing that pops up

362
00:12:35,509 --> 00:12:33,360
at the top of your search list sure you

363
00:12:36,949 --> 00:12:35,519

could go to nasa.gov and go to space

364

00:12:38,710 --> 00:12:36,959

station in the science section that's

365

00:12:40,230 --> 00:12:38,720

right find the address always come visit

366

00:12:42,069 --> 00:12:40,240

us in the science section we're there

367

00:12:44,069 --> 00:12:42,079

yes tara thanks very much thank you dr