1
00:00:05,670 --> 00:00:03,990
good afternoon thank you for joining us

2
00:00:07,430 --> 00:00:05,680
for today's crew news conference with

3
00:00:09,669 --> 00:00:07,440
members of the expedition 31 and

4
00:00:10,950 --> 00:00:09,679
expedition 32 international space

5
00:00:13,509 --> 00:00:10,960
station cruise

6
00:00:16,230 --> 00:00:13,519
joining me are nasa astronaut joe acaba

7
00:00:18,150 --> 00:00:16,240
cosmonaut gerardi padalka and sergey

8
00:00:19,910 --> 00:00:18,160
revin these three crew members will

9
00:00:22,070 --> 00:00:19,920
launch to the space station march 30th

10
00:00:24,710 --> 00:00:22,080
of this year joining expedition 31 crew

11
00:00:26,950 --> 00:00:24,720
members oleg kononenko andre kuipers and

12
00:00:29,429 --> 00:00:26,960
don pettit on orbit in may when their

13
00:00:31,109 --> 00:00:29,439

expedition 31 counterparts depart they

14
00:00:33,670 --> 00:00:31,119
will remain on board transitioning to

15
00:00:35,830 --> 00:00:33,680
the expedition 32 crew their landing is

16
00:00:38,470 --> 00:00:35,840
planned for september let me start by

17
00:00:40,150 --> 00:00:38,480
introducing nasa astronaut joe acaba joe

18
00:00:42,069 --> 00:00:40,160
was born in inglewood california and

19
00:00:43,990 --> 00:00:42,079
grew up in anaheim he attended the

20
00:00:45,590 --> 00:00:44,000
university of california santa barbara

21
00:00:47,590 --> 00:00:45,600
and obtained a bachelor's degree in

22
00:00:49,430 --> 00:00:47,600
geology and went on to obtain a masters

23
00:00:51,510 --> 00:00:49,440
in the same field from the university of

24
00:00:53,110 --> 00:00:51,520
arizona joe's diverse background

25
00:00:55,430 --> 00:00:53,120
includes serving as a reservist with the

26
00:00:56,790 --> 00:00:55,440
u.s marine corps as well as serving two

27
00:00:59,029 --> 00:00:56,800
years in the peace corps in the

28
00:01:00,869 --> 00:00:59,039
dominican republic he went on to manage

29
00:01:02,950 --> 00:01:00,879
a marine research center in the bahamas

30
00:01:04,549 --> 00:01:02,960
before becoming an educator teaching

31
00:01:07,670 --> 00:01:04,559
high school and middle school math and

32
00:01:09,270 --> 00:01:07,680
science he joined nasa in may of 2004

33
00:01:10,710 --> 00:01:09,280
and flew his first space shuttle mission

34
00:01:13,030 --> 00:01:10,720
in 2009

35
00:01:15,190 --> 00:01:13,040
as a mission specialist on the sts-119

36
00:01:17,109 --> 00:01:15,200
crew joe performed two spacewalks

37
00:01:19,030 --> 00:01:17,119
accumulating more than 12 hours of extra

38
00:01:20,390 --> 00:01:19,040

vehicular activity

39
00:01:23,030 --> 00:01:20,400
we'll now turn it over to joe to

40
00:01:25,590 --> 00:01:23,040
introduce his crewmates it really is an

41
00:01:26,950 --> 00:01:25,600
honor to introduce gennady paraka

42
00:01:29,350 --> 00:01:26,960
if i were to talk about all the things

43
00:01:32,469 --> 00:01:29,360
that he's done we'd be here all day

44
00:01:34,550 --> 00:01:32,479
before gennady was selected in 1989 he

45
00:01:37,270 --> 00:01:34,560
was a military pilot

46
00:01:39,749 --> 00:01:37,280
he has done a long duration

47
00:01:41,990 --> 00:01:39,759
mission on the mir space station

48
00:01:43,910 --> 00:01:42,000
two long duration expeditions on the

49
00:01:47,270 --> 00:01:43,920
international space station

50
00:01:50,389 --> 00:01:47,280
he has 585 days in space so between all

51
00:01:52,149 --> 00:01:50,399
of us i think we have 600 days in space

52
00:01:54,550 --> 00:01:52,159
and i found out the other night that

53
00:01:55,830 --> 00:01:54,560
gennady has done eight evas or

54
00:01:57,190 --> 00:01:55,840
spacewalks

55
00:01:59,749 --> 00:01:57,200
so not only will gennady be the

56
00:02:02,950 --> 00:01:59,759
commander of our soyuz he's also going

57
00:02:04,550 --> 00:02:02,960
to be the commander of expedition 32.

58
00:02:06,230 --> 00:02:04,560
gennady

59
00:02:08,070 --> 00:02:06,240
let me tell you our flight engineer

60
00:02:10,869 --> 00:02:08,080
sergey raven he is supposed to be a

61
00:02:11,910 --> 00:02:10,879
flight engineer on board sayus and

62
00:02:13,270 --> 00:02:11,920
onwards

63
00:02:14,869 --> 00:02:13,280

space station

64
00:02:17,350 --> 00:02:14,879
he worked for

65
00:02:20,710 --> 00:02:17,360
russian speaker parishioner for 15 years

66
00:02:25,030 --> 00:02:20,720
before being assigned as a our roommate

67
00:02:27,589 --> 00:02:26,150
all right with that we'll start with

68
00:02:29,030 --> 00:02:27,599
questions here from the johnson space

69
00:02:30,309 --> 00:02:29,040
center if you can please approach the

70
00:02:38,150 --> 00:02:30,319
microphone state your name and

71
00:02:44,710 --> 00:02:40,390
uh thank you mark caro from aviation

72
00:02:46,470 --> 00:02:44,720
week uh the the number of um

73
00:02:48,630 --> 00:02:46,480
supply missions going to the space

74
00:02:49,830 --> 00:02:48,640
station has increased this year because

75
00:02:52,070 --> 00:02:49,840
of

76
00:02:53,910 --> 00:02:52,080
the shuttle retirement and i just wonder

77
00:02:55,750 --> 00:02:53,920
if you could talk a little bit about how

78
00:02:57,430 --> 00:02:55,760
much the coming and going of these

79
00:02:58,949 --> 00:02:57,440
spacecraft sort of

80
00:03:01,830 --> 00:02:58,959
dominate your

81
00:03:02,949 --> 00:03:01,840
activities during your mission sure

82
00:03:04,790 --> 00:03:02,959
right now

83
00:03:07,190 --> 00:03:04,800
we currently have three visiting

84
00:03:08,710 --> 00:03:07,200
vehicles that are scheduled

85
00:03:11,509 --> 00:03:08,720
in addition to that we also have a

86
00:03:14,630 --> 00:03:11,519
couple of progresses that will be coming

87
00:03:16,869 --> 00:03:14,640
and atv3 will be undocking so

88
00:03:18,390 --> 00:03:16,879

a lot of our time is going to be coming

89
00:03:20,550 --> 00:03:18,400
it's going to be spent on these visiting

90
00:03:22,550 --> 00:03:20,560
vehicles there's a lot of preparation

91
00:03:25,350 --> 00:03:22,560
before they come once the vehicle

92
00:03:26,630 --> 00:03:25,360
arrives and all the unpacking so for us

93
00:03:28,470 --> 00:03:26,640
it's really uh

94
00:03:29,990 --> 00:03:28,480
it's a pretty big hit on our time

95
00:03:31,910 --> 00:03:30,000
whenever we have these visiting vehicles

96
00:03:43,270 --> 00:03:31,920
so it'll be uh we're looking forward to

97
00:03:47,110 --> 00:03:44,830
hi uh robert perlman with

98
00:03:49,589 --> 00:03:47,120
collectspace.com um

99
00:03:51,190 --> 00:03:49,599
two quick questions i guess one

100
00:03:53,190 --> 00:03:51,200
are there any spacewalks planned for

101
00:03:55,910 --> 00:03:53,200
this mission and then in terms of

102
00:03:57,670 --> 00:03:55,920
science can you give an idea of how

103
00:03:59,750 --> 00:03:57,680
much of the cruise time is devoted to

104
00:04:00,869 --> 00:03:59,760
science now that assembly is complete

105
00:04:02,630 --> 00:04:00,879
and what are the

106
00:04:06,070 --> 00:04:02,640
any key science experiments that you'll

107
00:04:08,789 --> 00:04:06,080
be introducing during your expedition

108
00:04:10,229 --> 00:04:08,799
uh we currently have one russian eva

109
00:04:12,229 --> 00:04:10,239
scheduled and i'll let gennady talk

110
00:04:14,869 --> 00:04:12,239
about that in a second

111
00:04:16,870 --> 00:04:14,879
and we also have a u.s eva that

112
00:04:18,390 --> 00:04:16,880
depending on the vehicle traffic and how

113
00:04:20,629 --> 00:04:18,400

the increment goes and one thing about

114
00:04:22,550 --> 00:04:20,639
the long duration flights is there's a

115
00:04:25,670 --> 00:04:22,560
lot of uncertainty because of the long

116
00:04:27,430 --> 00:04:25,680
period of time uh so we may have one u.s

117
00:04:30,230 --> 00:04:27,440
eba and gennady if you want to talk

118
00:04:32,150 --> 00:04:30,240
about the russian uva okay as joe

119
00:04:33,830 --> 00:04:32,160
mentioned a one-way russian wing

120
00:04:36,950 --> 00:04:33,840
scheduled for us

121
00:04:40,469 --> 00:04:36,960
and this will be conducted just to

122
00:04:43,510 --> 00:04:40,479
transfer russian cargo ubuntu

123
00:04:45,350 --> 00:04:43,520
from blocking compartment to fgb

124
00:04:47,670 --> 00:04:45,360
because we need to continue doing

125
00:04:50,790 --> 00:04:47,680
compartment preparation for unlocking

126
00:04:54,070 --> 00:04:50,800
because to this port mlm will be docked

127
00:04:57,670 --> 00:04:56,390
and for your second question

128
00:04:59,830 --> 00:04:57,680
really the main reason that we're up

129
00:05:02,310 --> 00:04:59,840
there is to conduct science and now that

130
00:05:04,870 --> 00:05:02,320
we are at station complete our goal is

131
00:05:07,189 --> 00:05:04,880
to get the 35 hours a week of

132
00:05:09,510 --> 00:05:07,199
utilization or time working on

133
00:05:11,270 --> 00:05:09,520
experiments so we plan on putting a lot

134
00:05:12,550 --> 00:05:11,280
of time into that that's really the main

135
00:05:13,990 --> 00:05:12,560
focus

136
00:05:16,390 --> 00:05:14,000
we've got a lot of great experiments

137
00:05:18,790 --> 00:05:16,400
going on a couple that i personally like

138
00:05:20,310 --> 00:05:18,800

one is the spheres where you're looking

139
00:05:22,469 --> 00:05:20,320
at these

140
00:05:24,230 --> 00:05:22,479
kind of floating modules that we have

141
00:05:26,310 --> 00:05:24,240
inside and how they interact and how we

142
00:05:27,990 --> 00:05:26,320
might use those outside of the space

143
00:05:29,430 --> 00:05:28,000
station and they'll also be used for

144
00:05:31,029 --> 00:05:29,440
educational purposes so that'll be

145
00:05:32,710 --> 00:05:31,039
pretty neat

146
00:05:34,469 --> 00:05:32,720
robonaut's up there

147
00:05:35,990 --> 00:05:34,479
and i met with those guys here at the

148
00:05:37,510 --> 00:05:36,000
johnson space center they're doing a

149
00:05:39,990 --> 00:05:37,520
really great job and looking forward to

150
00:05:44,629 --> 00:05:40,000
working with them

151
00:05:49,749 --> 00:05:46,950
jill tulk with houston aviation

152
00:05:51,270 --> 00:05:49,759
community news a question for joe

153
00:05:52,870 --> 00:05:51,280
since you do have that background as an

154
00:05:54,469 --> 00:05:52,880
educator astronaut and you're actually

155
00:05:56,469 --> 00:05:54,479
going to have time to

156
00:05:59,749 --> 00:05:56,479
work and play a little bit

157
00:06:01,430 --> 00:05:59,759
on orbit what are some leftover tasks or

158
00:06:03,110 --> 00:06:01,440
shall we say get a head test at which

159
00:06:05,110 --> 00:06:03,120
you would like to do on orbit in order

160
00:06:07,270 --> 00:06:05,120
to reach out to students

161
00:06:08,870 --> 00:06:07,280
yeah i believe we spoke before my my

162
00:06:10,390 --> 00:06:08,880
shuttle flight and there's a similar

163
00:06:12,629 --> 00:06:10,400

question and with the shuttle flight

164
00:06:14,070 --> 00:06:12,639
it's really short

165
00:06:16,469 --> 00:06:14,080
and they're really packed so i didn't

166
00:06:18,309 --> 00:06:16,479
have a lot of time to do education stuff

167
00:06:20,469 --> 00:06:18,319
again on a long duration mission uh

168
00:06:22,150 --> 00:06:20,479
there's still a lot to do but hopefully

169
00:06:23,670 --> 00:06:22,160
now that i'll be living up there for a

170
00:06:24,950 --> 00:06:23,680
longer period of time there'll be more

171
00:06:27,830 --> 00:06:24,960
opportunities

172
00:06:30,150 --> 00:06:27,840
to do some education components

173
00:06:32,629 --> 00:06:30,160
i'll be up there with don pettit who is

174
00:06:34,710 --> 00:06:32,639
just phenomenal he's a genius and he has

175
00:06:36,150 --> 00:06:34,720
a lot of great ideas so i'm hoping i can

176
00:06:38,230 --> 00:06:36,160
piggyback on some of the things that

177
00:06:40,950 --> 00:06:38,240
he's doing and bring those back to the

178
00:06:42,950 --> 00:06:40,960
students that may be watching

179
00:06:44,469 --> 00:06:42,960
as an educator i'll constantly be

180
00:06:45,749 --> 00:06:44,479
looking to see

181
00:06:47,590 --> 00:06:45,759
what we're doing how that might be

182
00:06:49,670 --> 00:06:47,600
related or how teachers might be able to

183
00:06:51,110 --> 00:06:49,680
use it in the classroom so nothing

184
00:06:52,309 --> 00:06:51,120
really official

185
00:06:53,749 --> 00:06:52,319
but

186
00:06:54,950 --> 00:06:53,759
having a longer period of time i think

187
00:07:00,550 --> 00:06:54,960
there's a lot i'll be able to do for the

188
00:07:05,510 --> 00:07:03,749

yes jim oberg with nbc news uh i'm

189
00:07:07,189 --> 00:07:05,520
interested in the training you're doing

190
00:07:08,710 --> 00:07:07,199
because you have a

191
00:07:11,430 --> 00:07:08,720
a space station that's been there for a

192
00:07:13,670 --> 00:07:11,440
while if it's construction complete

193
00:07:16,790 --> 00:07:13,680
what kind of repair work and what kind

194
00:07:18,950 --> 00:07:16,800
of contingency work are you training for

195
00:07:20,790 --> 00:07:18,960
are there any particular things that in

196
00:07:22,790 --> 00:07:20,800
recent months that you've

197
00:07:25,029 --> 00:07:22,800
added to your training because of

198
00:07:27,430 --> 00:07:25,039
potential issues on the station

199
00:07:29,189 --> 00:07:27,440
with oxygen generator or something else

200
00:07:31,110 --> 00:07:29,199
what kind of repair tasks are you

201
00:07:33,110 --> 00:07:31,120
prepared to do that you hope you don't

202
00:07:33,909 --> 00:07:33,120
have to do

203
00:07:35,430 --> 00:07:33,919
and

204
00:07:37,670 --> 00:07:35,440
one of the reasons why the training is

205
00:07:39,350 --> 00:07:37,680
so long is that we're constantly trying

206
00:07:41,510 --> 00:07:39,360
to prepare for those things that that

207
00:07:43,430 --> 00:07:41,520
may happen things that may break so we

208
00:07:45,670 --> 00:07:43,440
cover a lot of that in our normal

209
00:07:48,230 --> 00:07:45,680
training flow tomorrow i'll be in the

210
00:07:49,990 --> 00:07:48,240
nbl and i'll be practicing some of the

211
00:07:51,510 --> 00:07:50,000
contingency eva

212
00:07:53,749 --> 00:07:51,520
tasks that we might do one being the

213
00:07:55,670 --> 00:07:53,759

mbsu

214
00:07:57,670 --> 00:07:55,680
it's it's operational right now but if

215
00:07:59,909 --> 00:07:57,680
it were to completely fail that might be

216
00:08:01,270 --> 00:07:59,919
something that we have to do real time

217
00:08:02,550 --> 00:08:01,280
so that's kind of been added to my

218
00:08:05,270 --> 00:08:02,560
training flow

219
00:08:07,110 --> 00:08:05,280
in terms of inside the station all of

220
00:08:08,390 --> 00:08:07,120
that is covered in our regular training

221
00:08:09,909 --> 00:08:08,400
flow

222
00:08:12,629 --> 00:08:09,919
so there's nothing new that's been added

223
00:08:15,430 --> 00:08:12,639
for us

224
00:08:17,589 --> 00:08:15,440
and russian side that's corrosion

225
00:08:19,990 --> 00:08:17,599
currently

226
00:08:22,150 --> 00:08:20,000
nothing is scheduled i mean emergency

227
00:08:24,309 --> 00:08:22,160
maintenance is not scheduled but if

228
00:08:27,350 --> 00:08:24,319
something comes up yes we are ready to

229
00:08:31,510 --> 00:08:30,230
yes everything is fixed and no problem

230
00:08:33,110 --> 00:08:31,520
for the day

231
00:08:34,310 --> 00:08:33,120
and the second question and also i think

232
00:08:37,909 --> 00:08:34,320
you answer from

233
00:08:39,509 --> 00:08:37,919
nova chica our our new person here

234
00:08:40,790 --> 00:08:39,519
what are the special things you want to

235
00:08:43,029 --> 00:08:40,800
observe

236
00:08:44,870 --> 00:08:43,039
on the earth as a geologist i'm sure you

237
00:08:47,430 --> 00:08:44,880
have things you want to see overhead

238
00:08:49,910 --> 00:08:47,440

with more spare time and you've seen

239
00:08:51,110 --> 00:08:49,920
many many things what is gennady what

240
00:08:52,310 --> 00:08:51,120
are some of the things you want to see

241
00:08:53,110 --> 00:08:52,320
again

242
00:08:54,230 --> 00:08:53,120
and

243
00:08:56,630 --> 00:08:54,240
certainly some of the things that you

244
00:09:01,030 --> 00:08:56,640
look forward to seeing out out the

245
00:09:32,389 --> 00:09:03,269
this question addressed to me

246
00:09:36,790 --> 00:09:34,630
there is a great interest towards earth

247
00:09:39,110 --> 00:09:36,800
as nature and is inexhaustible and we

248
00:09:44,389 --> 00:09:39,120
have a number of experiments

249
00:09:49,509 --> 00:09:46,550
we are going to survey the earth's

250
00:09:51,590 --> 00:09:49,519
surface atmosphere and atmospheric

251
00:09:56,389 --> 00:09:51,600
layers

252
00:10:01,030 --> 00:09:56,399
fury ionosphere

253
00:10:01,040 --> 00:10:04,870
which is

254
00:10:09,430 --> 00:10:07,829
we're going to research all the spheres

255
00:10:11,750 --> 00:10:09,440
of earth and i think we're going to

256
00:10:13,430 --> 00:10:11,760
obtain interesting results

257
00:10:15,590 --> 00:10:13,440
yes for me my second education

258
00:10:17,030 --> 00:10:15,600
engineering ecologist and i'm about to

259
00:10:18,630 --> 00:10:17,040
continue

260
00:10:20,790 --> 00:10:18,640
some sense experiments on behalf of

261
00:10:22,949 --> 00:10:20,800
ecology

262
00:10:25,910 --> 00:10:22,959
and don't let sergey fool you he's a

263
00:10:27,590 --> 00:10:25,920

physicist but he's really a an amateur

264
00:10:29,910 --> 00:10:27,600
geologist and he spends a lot of time

265
00:10:31,670 --> 00:10:29,920
outdoors so i can see sergey spending a

266
00:10:33,990 --> 00:10:31,680
lot of time looking out the window and

267
00:10:35,590 --> 00:10:34,000
just enjoying the view and like you said

268
00:10:37,670 --> 00:10:35,600
as a geologist i'm looking forward to

269
00:10:39,670 --> 00:10:37,680
seeing a lot of these landforms that i

270
00:10:41,509 --> 00:10:39,680
learned about in school

271
00:10:43,509 --> 00:10:41,519
earth cam which is a neat project it'll

272
00:10:45,030 --> 00:10:43,519
be uh it'll be pretty cool to see what

273
00:10:46,790 --> 00:10:45,040
the students are interested in and what

274
00:10:49,110 --> 00:10:46,800
they what they want to look at and

275
00:10:50,710 --> 00:10:49,120
that'll be also fun to look at and

276
00:10:51,829 --> 00:10:50,720
there's a lot of earth observations that

277
00:10:52,949 --> 00:10:51,839
we do and

278
00:10:55,350 --> 00:10:52,959
you've seen a lot of the pictures that

279
00:10:56,790 --> 00:10:55,360
came down from mike fossum and they're

280
00:10:59,750 --> 00:10:56,800
just incredible so i'm looking forward

281
00:11:01,670 --> 00:10:59,760
to seeing those for myself

282
00:11:03,350 --> 00:11:01,680
carrie fibel houston public radio can

283
00:11:05,430 --> 00:11:03,360
you tell us more about the spheres

284
00:11:07,430 --> 00:11:05,440
science experiment what is that and also

285
00:11:09,110 --> 00:11:07,440
give us an update on robonaut has it

286
00:11:10,949 --> 00:11:09,120
been unpacked what kind of tasks have

287
00:11:12,470 --> 00:11:10,959
been done and what will you be doing

288
00:11:15,030 --> 00:11:12,480

with robonaut when you're up there the

289
00:11:16,870 --> 00:11:15,040
spheres project you have these uh

290
00:11:18,550 --> 00:11:16,880
they're probably about this big and they

291
00:11:20,470 --> 00:11:18,560
have a compressed gas

292
00:11:22,310 --> 00:11:20,480
and they're able to

293
00:11:24,310 --> 00:11:22,320
locate themselves within the module

294
00:11:26,389 --> 00:11:24,320
we'll have uh little markers throughout

295
00:11:28,550 --> 00:11:26,399
the module and so by looking at those

296
00:11:30,389 --> 00:11:28,560
markers and how they're programmed they

297
00:11:32,550 --> 00:11:30,399
can work in formation and do different

298
00:11:34,470 --> 00:11:32,560
tasks so it might be very beneficial for

299
00:11:36,310 --> 00:11:34,480
doing a space walk if there's something

300
00:11:38,550 --> 00:11:36,320
you want to look at outside you can have

301
00:11:40,470 --> 00:11:38,560
these move to a certain location and

302
00:11:41,750 --> 00:11:40,480
take video of that so

303
00:11:43,430 --> 00:11:41,760
we're doing a lot of practicing with

304
00:11:45,910 --> 00:11:43,440
that they've done many experiments with

305
00:11:47,110 --> 00:11:45,920
spheres inside but this time around

306
00:11:49,350 --> 00:11:47,120
they're going to allow students to

307
00:11:51,269 --> 00:11:49,360
actually program what the spheres will

308
00:11:53,269 --> 00:11:51,279
do inside the module

309
00:11:54,790 --> 00:11:53,279
so that'll be cool to see what they come

310
00:11:57,269 --> 00:11:54,800
up with

311
00:11:59,990 --> 00:11:57,279
robonaut it has been unpacked and

312
00:12:01,910 --> 00:12:00,000
they're in the early stages of uh of

313
00:12:03,590 --> 00:12:01,920

operating it and

314
00:12:05,829 --> 00:12:03,600
for me it was

315
00:12:07,990 --> 00:12:05,839
not being a designer it was painfully

316
00:12:09,990 --> 00:12:08,000
slow at how long it takes them to

317
00:12:11,590 --> 00:12:10,000
actually do motions for it they want to

318
00:12:12,230 --> 00:12:11,600
make sure everything's safe so they have

319
00:12:15,750 --> 00:12:12,240
a

320
00:12:18,150 --> 00:12:15,760
out

321
00:12:19,910 --> 00:12:18,160
so our main task will be to get robonaut

322
00:12:20,870 --> 00:12:19,920
out of his closet somewhere where he can

323
00:12:22,150 --> 00:12:20,880
work

324
00:12:24,470 --> 00:12:22,160
and observe to make sure everything's

325
00:12:26,310 --> 00:12:24,480
going fine and then depending on how far

326
00:12:27,910 --> 00:12:26,320
they get during our increment

327
00:12:29,509 --> 00:12:27,920
there's other tasks that we might be

328
00:12:30,870 --> 00:12:29,519
able to do

329
00:12:34,470 --> 00:12:30,880
it's a pretty cool project and i think

330
00:12:38,790 --> 00:12:36,069
thank you next question

331
00:12:41,110 --> 00:12:38,800
philip sloss with nasaspaceflight.com um

332
00:12:42,470 --> 00:12:41,120
is the iss as a testbed for analog

333
00:12:45,430 --> 00:12:42,480
research is that still scheduled for

334
00:12:47,590 --> 00:12:45,440
your increment and if so could you

335
00:12:49,190 --> 00:12:47,600
talk about the objectives of that

336
00:12:51,350 --> 00:12:49,200
we're not doing anything specific for

337
00:12:53,829 --> 00:12:51,360
that things that we do every day of

338
00:12:55,110 --> 00:12:53,839

course we're using that for

339
00:12:56,790 --> 00:12:55,120
you know how we might work when we're

340
00:12:58,310 --> 00:12:56,800
doing future missions

341
00:13:00,949 --> 00:12:58,320
there was talk about doing various

342
00:13:03,110 --> 00:13:00,959
experiments in terms of time delays and

343
00:13:03,829 --> 00:13:03,120
we may try a couple of those for example

344
00:13:05,350 --> 00:13:03,839
uh

345
00:13:07,990 --> 00:13:05,360
you may have a day where you're working

346
00:13:08,949 --> 00:13:08,000
fairly autonomously from the ground

347
00:13:10,550 --> 00:13:08,959
and

348
00:13:12,790 --> 00:13:10,560
instead of calling down on a frequent

349
00:13:14,550 --> 00:13:12,800
basis you may do it only at the end of

350
00:13:16,230 --> 00:13:14,560
the day or they may incorporate some

351
00:13:18,150 --> 00:13:16,240
kind of a time delay which would

352
00:13:23,430 --> 00:13:18,160
simulate what we might see on our way to

353
00:13:27,030 --> 00:13:25,430
uh mark corral for aviation week and i

354
00:13:29,030 --> 00:13:27,040
think this is for joe

355
00:13:31,350 --> 00:13:29,040
could you sort of describe

356
00:13:33,110 --> 00:13:31,360
when this leg of training in the u.s

357
00:13:35,430 --> 00:13:33,120
began and what you've sort of what

358
00:13:38,230 --> 00:13:35,440
you've been doing here and

359
00:13:40,470 --> 00:13:38,240
what falls out next when you leave

360
00:13:42,310 --> 00:13:40,480
houston where you go and where you train

361
00:13:44,470 --> 00:13:42,320
up to your launch when you mean this leg

362
00:13:45,350 --> 00:13:44,480
of training uh most recently or the

363
00:13:46,949 --> 00:13:45,360

whole

364
00:13:48,790 --> 00:13:46,959
yeah no just the part where you're in

365
00:13:50,629 --> 00:13:48,800
houston now and what you're what the

366
00:13:53,110 --> 00:13:50,639
kind of the theme is and then where you

367
00:13:54,790 --> 00:13:53,120
go from here and where and what you do

368
00:13:56,629 --> 00:13:54,800
up to your lunch sure

369
00:14:00,069 --> 00:13:56,639
yeah this is my last training trip in

370
00:14:02,069 --> 00:14:00,079
houston uh i'll head out for germany

371
00:14:04,310 --> 00:14:02,079
in the middle of february on my way to

372
00:14:06,790 --> 00:14:04,320
russia for the launch and so it's the

373
00:14:08,389 --> 00:14:06,800
last opportunity i have to

374
00:14:09,189 --> 00:14:08,399
learn about payloads that i haven't seen

375
00:14:10,710 --> 00:14:09,199
yet

376
00:14:13,910 --> 00:14:10,720
there's a lot of baseline data

377
00:14:15,750 --> 00:14:13,920
collection for the medical community so

378
00:14:17,269 --> 00:14:15,760
if you see me walking down the street

379
00:14:18,550 --> 00:14:17,279
you'll probably see different things on

380
00:14:20,790 --> 00:14:18,560
my body and

381
00:14:22,870 --> 00:14:20,800
might look like a robonaut myself so a

382
00:14:24,710 --> 00:14:22,880
lot of data collection is going on of

383
00:14:26,230 --> 00:14:24,720
course i have my russian crewmates here

384
00:14:28,629 --> 00:14:26,240
for two weeks

385
00:14:30,870 --> 00:14:28,639
and we have some emergency training that

386
00:14:32,710 --> 00:14:30,880
we'll do together as a crew but we're

387
00:14:35,269 --> 00:14:32,720
also going to work with the other part

388
00:14:36,949 --> 00:14:35,279

of our expedition 32 crew so we'll get

389
00:14:40,069 --> 00:14:36,959
all six of us together to work on that

390
00:14:41,829 --> 00:14:40,079
emergency training so at this point it's

391
00:14:43,590 --> 00:14:41,839
a lot of fine tuning a lot of

392
00:14:44,629 --> 00:14:43,600
administrative things that need to get

393
00:14:46,550 --> 00:14:44,639
done

394
00:14:48,069 --> 00:14:46,560
but the way we train i was a backup to

395
00:14:50,150 --> 00:14:48,079
dan burbank so the majority of the

396
00:14:56,230 --> 00:14:50,160
training has been complete and now it's

397
00:15:02,150 --> 00:14:59,509
this is jill tulk i also represent don

398
00:15:04,069 --> 00:15:02,160
pettit's hometown newspaper in silverton

399
00:15:06,710 --> 00:15:04,079
oregon you talked a little bit about him

400
00:15:09,670 --> 00:15:06,720
being phenomenal with science and he

401
00:15:11,910 --> 00:15:09,680
spoke before his launch about possibly

402
00:15:13,430 --> 00:15:11,920
doing saturday afternoon science if you

403
00:15:15,750 --> 00:15:13,440
got drawn into that are there any

404
00:15:17,189 --> 00:15:15,760
specific experiments or thoughts or

405
00:15:20,150 --> 00:15:17,199
objectives that you personally would

406
00:15:21,670 --> 00:15:20,160
like to do if you got pulled into it

407
00:15:23,750 --> 00:15:21,680
i think if i'm fortunate enough to get

408
00:15:25,750 --> 00:15:23,760
pulled into don's experience experiments

409
00:15:26,629 --> 00:15:25,760
i'm in good shape and i don't think in

410
00:15:28,230 --> 00:15:26,639
my

411
00:15:30,230 --> 00:15:28,240
wildest dreams i could come up with the

412
00:15:31,509 --> 00:15:30,240
ideas that don has so

413
00:15:33,350 --> 00:15:31,519

i'm going to take advantage of the two

414
00:15:36,310 --> 00:15:33,360
months that i have with don and if i can

415
00:15:37,749 --> 00:15:36,320
be the person handing him tools

416
00:15:39,910 --> 00:15:37,759
or things that he can use for me that

417
00:15:41,189 --> 00:15:39,920
would be a bonus i'm hoping i can learn

418
00:15:42,870 --> 00:15:41,199
a lot from him

419
00:15:44,069 --> 00:15:42,880
that i can use for the second half of my

420
00:15:46,870 --> 00:15:44,079
expedition

421
00:15:48,550 --> 00:15:46,880
uh you know don is just he's phenomenal

422
00:15:50,470 --> 00:15:48,560
and he's got a lot of great ideas so i

423
00:15:55,829 --> 00:15:50,480
think i'm gonna i'm gonna piggyback on

424
00:15:59,430 --> 00:15:57,590
good afternoon i'm pedro rojas i'm with

425
00:16:02,230 --> 00:15:59,440
univision news and i just wanted to ask

426
00:16:03,910 --> 00:16:02,240
you uh what is it like to

427
00:16:05,829 --> 00:16:03,920
go to russia it's going to be a whole

428
00:16:06,949 --> 00:16:05,839
different time zone how you prepare for

429
00:16:08,389 --> 00:16:06,959
that and

430
00:16:11,509 --> 00:16:08,399
how many days would you guys be there

431
00:16:13,670 --> 00:16:11,519
before you launched from russia

432
00:16:15,749 --> 00:16:13,680
it's always uh great going to russia

433
00:16:17,509 --> 00:16:15,759
it's a it's a wonderful place they have

434
00:16:19,350 --> 00:16:17,519
a great training program

435
00:16:21,509 --> 00:16:19,360
so i'll get to russia

436
00:16:23,829 --> 00:16:21,519
probably around the 25th of february so

437
00:16:26,069 --> 00:16:23,839
a little over a month before we actually

438
00:16:28,790 --> 00:16:26,079

launch we'll take our final exams and

439
00:16:31,670 --> 00:16:28,800
things like that so i'll have a

440
00:16:34,230 --> 00:16:31,680
long opportunity to get acclimated and

441
00:16:37,269 --> 00:16:34,240
you know to the time differences

442
00:16:39,350 --> 00:16:37,279
the biggest challenge uh is that uh

443
00:16:41,189 --> 00:16:39,360
you know i speak a little bit of spanish

444
00:16:42,949 --> 00:16:41,199
i'm trying to learn my russian i'll have

445
00:16:44,710 --> 00:16:42,959
some interviews later in spanish so it's

446
00:16:47,030 --> 00:16:44,720
always a challenge trying to think of

447
00:16:52,150 --> 00:16:47,040
what language i need to speak in so bear

448
00:16:57,269 --> 00:16:54,389
yeah jim over at nbc again the follow up

449
00:16:58,629 --> 00:16:57,279
on the marine good points

450
00:17:00,949 --> 00:16:58,639
you're training now for a six-month

451
00:17:01,990 --> 00:17:00,959
flight you started out another two-week

452
00:17:03,430 --> 00:17:02,000
flight

453
00:17:05,669 --> 00:17:03,440
can you talk about the difference in the

454
00:17:07,829 --> 00:17:05,679
training for a short and a long flight

455
00:17:10,069 --> 00:17:07,839
and add one more thing suppose if you're

456
00:17:13,110 --> 00:17:10,079
going to do an analog on the station and

457
00:17:14,710 --> 00:17:13,120
you were asked to do a 500-day flight

458
00:17:17,270 --> 00:17:14,720
like was recently done

459
00:17:20,630 --> 00:17:17,280
at the ibmp in moscow

460
00:17:23,350 --> 00:17:20,640
but in in space how much more different

461
00:17:25,750 --> 00:17:23,360
would your preparation be for 500 days

462
00:17:27,189 --> 00:17:25,760
in orbit

463
00:17:28,789 --> 00:17:27,199

and especially people who've almost been

464
00:17:30,150 --> 00:17:28,799
there who've been there 500 days or on

465
00:17:31,909 --> 00:17:30,160
several different flights but all

466
00:17:35,270 --> 00:17:31,919
together how much different would that

467
00:17:37,430 --> 00:17:35,280
be so i'll start with the training part

468
00:17:38,950 --> 00:17:37,440
when you train for a shuttle flight

469
00:17:40,630 --> 00:17:38,960
you know you have two weeks and the

470
00:17:42,230 --> 00:17:40,640
mission is very well thought out you

471
00:17:44,470 --> 00:17:42,240
know what the objectives are so in a

472
00:17:47,029 --> 00:17:44,480
little over a year we can prepare for

473
00:17:48,950 --> 00:17:47,039
that and when you train for a six-month

474
00:17:50,230 --> 00:17:48,960
mission there's a lot more you need to

475
00:17:52,150 --> 00:17:50,240
learn because there's so many more

476
00:17:54,150 --> 00:17:52,160
unknowns that could happen

477
00:17:55,909 --> 00:17:54,160
either with things malfunctioning

478
00:17:57,669 --> 00:17:55,919
or just the timing of when visiting

479
00:17:59,990 --> 00:17:57,679
vehicles for example might come up so

480
00:18:02,310 --> 00:18:00,000
you really need to be prepared for a lot

481
00:18:03,430 --> 00:18:02,320
more than you do with the shuttle flight

482
00:18:05,270 --> 00:18:03,440
and

483
00:18:06,310 --> 00:18:05,280
if you start looking at the 500-day

484
00:18:07,830 --> 00:18:06,320
mission

485
00:18:09,990 --> 00:18:07,840
i think the training in terms of the

486
00:18:12,470 --> 00:18:10,000
systems for the space station would be

487
00:18:14,630 --> 00:18:12,480
fairly similar but at that point i think

488
00:18:16,789 --> 00:18:14,640

the the psychological training might be

489
00:18:19,590 --> 00:18:16,799
different if you're looking at 500 days

490
00:18:22,070 --> 00:18:19,600
on the space station i know sergey

491
00:18:24,870 --> 00:18:22,080
he spent some time on a kind of a long

492
00:18:26,230 --> 00:18:24,880
duration analog in uh in russia

493
00:18:28,630 --> 00:18:26,240
and i don't know if you have any words

494
00:18:33,110 --> 00:18:28,640
you want to say on spending 500 days in

495
00:18:37,430 --> 00:18:35,750
no for me joy is quite right

496
00:18:40,150 --> 00:18:37,440
medical preparation and psychological

497
00:18:42,230 --> 00:18:40,160
preparation would be the most important

498
00:18:43,190 --> 00:18:42,240
for this pretty long duration flight for

499
00:18:45,750 --> 00:18:43,200
me

500
00:18:47,430 --> 00:18:45,760
i have three flights

501
00:18:49,270 --> 00:18:47,440
and it seems to me i

502
00:18:50,950 --> 00:18:49,280
i have a good experience

503
00:18:52,230 --> 00:18:50,960
but

504
00:18:53,510 --> 00:18:52,240
it's not enough to have a good

505
00:18:56,710 --> 00:18:53,520
experience it seems to me it's much

506
00:18:59,110 --> 00:18:56,720
better to use this experience well

507
00:19:00,230 --> 00:18:59,120
and i have three flights that i know how

508
00:19:01,669 --> 00:19:00,240
to do it

509
00:19:03,990 --> 00:19:01,679
but it seems to me it's a big problem

510
00:19:05,990 --> 00:19:04,000
for us medical preparation and to be

511
00:19:07,190 --> 00:19:06,000
ready

512
00:19:11,590 --> 00:19:07,200
you were

513
00:19:13,270 --> 00:19:11,600

flight

514
00:19:16,310 --> 00:19:13,280
you were were you in a test

515
00:19:16,320 --> 00:19:19,990
sergey and then

516
00:19:20,000 --> 00:19:27,990
you you did a ground test

517
00:19:31,350 --> 00:19:29,990
but we it was

518
00:19:34,150 --> 00:19:31,360
maybe more than

519
00:19:35,510 --> 00:19:34,160
10 years ago we prepare

520
00:19:40,630 --> 00:19:35,520
the same

521
00:19:46,710 --> 00:19:44,630
but it was a short expedition

522
00:19:50,950 --> 00:19:46,720
there are two

523
00:19:53,669 --> 00:19:50,960
about

524
00:19:54,870 --> 00:19:53,679
one month and the other

525
00:19:57,350 --> 00:19:54,880
it was

526
00:19:59,669 --> 00:19:57,360
short expedition

527
00:20:02,070 --> 00:19:59,679
and i was a member of this short

528
00:20:04,149 --> 00:20:02,080
expedition 10 days

529
00:20:06,789 --> 00:20:04,159
it was in

530
00:20:11,909 --> 00:20:06,799
not far from star city

531
00:20:22,149 --> 00:20:13,350
and

532
00:20:24,549 --> 00:20:22,159
a lot of practice work with a lot of

533
00:20:25,830 --> 00:20:24,559
practice job

534
00:20:30,149 --> 00:20:25,840
for

535
00:20:34,950 --> 00:20:32,390
and of course the psychological

536
00:20:37,909 --> 00:20:34,960
questions

537
00:20:43,149 --> 00:20:41,430
and i think as concern the so long

538
00:20:45,990 --> 00:20:43,159

expedition

539
00:20:46,870 --> 00:20:46,000
500 days

540
00:21:00,149 --> 00:20:46,880
it

541
00:21:03,350 --> 00:21:01,190
and

542
00:21:07,750 --> 00:21:03,360
psychological condition the mission

543
00:21:09,590 --> 00:21:08,630
and

544
00:21:11,029 --> 00:21:09,600
of course

545
00:21:13,510 --> 00:21:11,039
the connection

546
00:21:15,350 --> 00:21:13,520
between these teams

547
00:21:17,510 --> 00:21:15,360
because of

548
00:21:18,310 --> 00:21:17,520
i think

549
00:21:21,590 --> 00:21:18,320
the

550
00:21:24,230 --> 00:21:21,600
radio connection will

551
00:21:27,990 --> 00:21:24,240
model will model

552
00:21:30,390 --> 00:21:28,830
will

553
00:21:32,070 --> 00:21:30,400
use

554
00:21:34,310 --> 00:21:32,080
not so

555
00:21:35,990 --> 00:21:34,320
often not and use

556
00:21:41,830 --> 00:21:36,000
a

557
00:21:44,950 --> 00:21:42,950
yes

558
00:21:46,630 --> 00:21:44,960
psychological respect is more important

559
00:21:48,549 --> 00:21:46,640
for long duration flight especially when

560
00:21:50,789 --> 00:21:48,559
we have international crew different

561
00:21:52,230 --> 00:21:50,799
traditions customs mentality

562
00:21:53,830 --> 00:21:52,240
that is that we have been preparing for

563
00:21:54,950 --> 00:21:53,840

a long time to understand each other to

564
00:21:56,789 --> 00:21:54,960
get along

565
00:21:59,990 --> 00:21:56,799
it help us on the ground

566
00:22:03,270 --> 00:22:01,350
houston public radio could could you

567
00:22:04,149 --> 00:22:03,280
follow up joe as well and tell us you

568
00:22:05,510 --> 00:22:04,159
know

569
00:22:07,830 --> 00:22:05,520
you're going from a two-week flight to a

570
00:22:09,590 --> 00:22:07,840
six-month what is the psychological

571
00:22:11,110 --> 00:22:09,600
training what are the things that that

572
00:22:13,590 --> 00:22:11,120
teach you i think listeners would really

573
00:22:14,950 --> 00:22:13,600
be interested in learning about that um

574
00:22:16,630 --> 00:22:14,960
we don't get a lot you might be

575
00:22:18,549 --> 00:22:16,640
surprised we don't get a lot of uh

576
00:22:20,950 --> 00:22:18,559
psychological training maybe that's good

577
00:22:23,029 --> 00:22:20,960
um and we do spend a lot of time

578
00:22:25,270 --> 00:22:23,039
together as a crew

579
00:22:27,510 --> 00:22:25,280
which has been really great and we're

580
00:22:29,029 --> 00:22:27,520
very fortunate to have some very

581
00:22:30,230 --> 00:22:29,039
experienced crew members on our flight

582
00:22:31,909 --> 00:22:30,240
that we can

583
00:22:34,630 --> 00:22:31,919
use their experience you know before we

584
00:22:36,149 --> 00:22:34,640
go and even while we're up there

585
00:22:38,149 --> 00:22:36,159
i've had a couple of opportunities like

586
00:22:39,110 --> 00:22:38,159
nicole said working in the bahamas i was

587
00:22:41,270 --> 00:22:39,120
in a

588
00:22:42,710 --> 00:22:41,280

pretty remote environment for about a

589
00:22:44,789 --> 00:22:42,720
year and a half so

590
00:22:46,870 --> 00:22:44,799
i've had some experience not quite like

591
00:22:48,630 --> 00:22:46,880
this and but if the two weeks that i had

592
00:22:50,070 --> 00:22:48,640
or any indication i think the six months

593
00:22:51,750 --> 00:22:50,080
are going to fly by

594
00:22:53,669 --> 00:22:51,760
and it's going to be a it's going to be

595
00:22:55,590 --> 00:22:53,679
a good time and talking to the the folks

596
00:22:57,830 --> 00:22:55,600
that have recently returned

597
00:23:00,470 --> 00:22:57,840
the six months is not it doesn't it goes

598
00:23:01,830 --> 00:23:00,480
by a lot faster than you imagine so i

599
00:23:03,990 --> 00:23:01,840
i'm looking forward to i think it's

600
00:23:05,909 --> 00:23:04,000
going to be a good time and for the

601
00:23:12,230 --> 00:23:05,919
record if you need somebody for 500 days

602
00:23:15,669 --> 00:23:13,830
another question um

603
00:23:17,590 --> 00:23:15,679
what is your confidence in soya's

604
00:23:19,909 --> 00:23:17,600
operations given the problems um in the

605
00:23:21,270 --> 00:23:19,919
russian space program with launching

606
00:23:25,110 --> 00:23:21,280
last year

607
00:23:28,870 --> 00:23:26,230
oh

608
00:23:31,430 --> 00:23:28,880
today we have no chance

609
00:23:32,950 --> 00:23:31,440
for tourism because

610
00:23:35,270 --> 00:23:32,960
sayus is

611
00:23:38,310 --> 00:23:35,280
this is the most dependable spacecraft

612
00:23:39,110 --> 00:23:38,320
for the last 40 years

613
00:23:42,470 --> 00:23:39,120

and

614
00:23:44,710 --> 00:23:42,480
currently this is only one space vehicle

615
00:23:47,909 --> 00:23:44,720
to bring up and to bring down crew to

616
00:23:51,190 --> 00:23:49,510
as you mentioned we had no problem with

617
00:23:52,470 --> 00:23:51,200
serious we had problem with progress and

618
00:23:54,310 --> 00:23:52,480
rocket

619
00:23:55,350 --> 00:23:54,320
but as you know

620
00:23:58,710 --> 00:23:55,360
the launch

621
00:24:01,510 --> 00:23:58,720
of the expedition 29 was postponed

622
00:24:03,430 --> 00:24:01,520
and unless our management launched

623
00:24:07,350 --> 00:24:03,440
another progress and currently all

624
00:24:10,470 --> 00:24:07,360
problems are resolved and we are sure

625
00:24:12,630 --> 00:24:10,480
no problem is expected

626
00:24:15,269 --> 00:24:12,640
i agree with gennady and there was a

627
00:24:17,750 --> 00:24:15,279
very thorough investigation that went on

628
00:24:19,669 --> 00:24:17,760
and i know nasa was involved in looking

629
00:24:21,110 --> 00:24:19,679
at the results and everybody is very

630
00:24:22,789 --> 00:24:21,120
comfortable with it we've had a couple

631
00:24:24,950 --> 00:24:22,799
of successful launches

632
00:24:26,470 --> 00:24:24,960
so i'm very confident and

633
00:24:28,230 --> 00:24:26,480
there is a lot of redundancy in the

634
00:24:29,669 --> 00:24:28,240
vehicle and there's a lot that these

635
00:24:31,029 --> 00:24:29,679
guys can do as the commander and the

636
00:24:33,430 --> 00:24:31,039
flight engineer that if they need to

637
00:24:35,590 --> 00:24:33,440
take over manually they can do that so

638
00:24:38,549 --> 00:24:35,600

i feel very confident and we're ready

639
00:24:41,510 --> 00:24:40,070
okay with that we're going to switch

640
00:24:43,909 --> 00:24:41,520
over to the phone bridge where we have

641
00:24:45,669 --> 00:24:43,919
three reporters awaiting with questions

642
00:24:47,350 --> 00:24:45,679
we'll start with anna kacing with

643
00:24:55,669 --> 00:24:47,360
harvard

644
00:25:04,789 --> 00:24:57,830
admissions to mars

645
00:25:08,470 --> 00:25:06,549
anna i believe we're having some audio

646
00:25:11,430 --> 00:25:08,480
problems you can maybe try to repeat the

647
00:25:14,549 --> 00:25:11,440
question okay uh can you hear me now yes

648
00:25:15,990 --> 00:25:14,559
much clearer great joe um you know that

649
00:25:17,430 --> 00:25:16,000
children watching your mission are going

650
00:25:19,830 --> 00:25:17,440
to be having their own dreams about

651
00:25:22,149 --> 00:25:19,840
their missions to mars in the future

652
00:25:24,070 --> 00:25:22,159
is it your hope that when they launch to

653
00:25:26,870 --> 00:25:24,080
mars that they have as international

654
00:25:29,430 --> 00:25:26,880
crew as you have now and by way of

655
00:25:32,470 --> 00:25:29,440
follow follow-up to gennady and sergey i

656
00:25:34,390 --> 00:25:32,480
know that cosmonauts while in orbit

657
00:25:36,630 --> 00:25:34,400
at space station take the time to speak

658
00:25:38,789 --> 00:25:36,640
to children in russia could you take

659
00:25:40,390 --> 00:25:38,799
this opportunity to speak to children

660
00:25:42,549 --> 00:25:40,400
here in the states

661
00:25:45,269 --> 00:25:42,559
and tell them about why you value

662
00:25:47,510 --> 00:25:45,279
international um cooperation and space

663
00:25:49,750 --> 00:25:47,520

exploration thank you

664
00:25:51,750 --> 00:25:49,760
yeah i think for us to go back to mars

665
00:25:53,669 --> 00:25:51,760
and things even more complicated than

666
00:25:54,789 --> 00:25:53,679
that they are going to be international

667
00:25:57,430 --> 00:25:54,799
endeavors

668
00:25:59,909 --> 00:25:57,440
and just like within the u.s nasa

669
00:26:02,230 --> 00:25:59,919
astronaut office we try to have a

670
00:26:03,909 --> 00:26:02,240
a diverse group of astronauts and i

671
00:26:04,870 --> 00:26:03,919
think it would be just as valuable if

672
00:26:06,710 --> 00:26:04,880
not more

673
00:26:08,870 --> 00:26:06,720
having you know a diverse group of

674
00:26:11,029 --> 00:26:08,880
astronauts cosmonauts because we all

675
00:26:12,470 --> 00:26:11,039
have different skill sets

676
00:26:14,950 --> 00:26:12,480
they learn a lot on the russian side

677
00:26:17,110 --> 00:26:14,960
that we don't we have different systems

678
00:26:18,310 --> 00:26:17,120
and the more that you can have this kind

679
00:26:20,230 --> 00:26:18,320
of collective

680
00:26:22,470 --> 00:26:20,240
understanding of what's going on it only

681
00:26:23,990 --> 00:26:22,480
helps the mission so i would envision

682
00:26:26,390 --> 00:26:24,000
those kids that are sitting in the

683
00:26:28,149 --> 00:26:26,400
classroom today and hope to go to mars

684
00:26:30,149 --> 00:26:28,159
don't be surprised if you're going to do

685
00:26:32,310 --> 00:26:30,159
that with some russian colleagues

686
00:26:34,230 --> 00:26:32,320
and you'll have a great time and i wish

687
00:26:39,750 --> 00:26:34,240
you the best and i wish i could go with

688
00:26:44,070 --> 00:26:41,750

and sergey and gennalby could you speak

689
00:26:46,390 --> 00:26:44,080
to american children about why you value

690
00:26:54,149 --> 00:26:46,400
international cooperation and space

691
00:27:01,029 --> 00:26:56,630
because space flight

692
00:27:02,870 --> 00:27:01,039
a very risky and very expensive

693
00:27:05,269 --> 00:27:02,880
enterprise it seems to me it's much

694
00:27:06,950 --> 00:27:05,279
easier to

695
00:27:09,750 --> 00:27:06,960
to explore the space

696
00:27:11,430 --> 00:27:09,760
by doing this with our partners it's

697
00:27:13,430 --> 00:27:11,440
much easier we can complement we can

698
00:27:16,710 --> 00:27:13,440
supplement each other i mean our

699
00:27:19,590 --> 00:27:16,720
technologies our experience

700
00:27:22,549 --> 00:27:19,600
and our space vehicles

701
00:27:25,029 --> 00:27:22,559
and it seems to me in the future

702
00:27:27,190 --> 00:27:25,039
it will be much better to explore space

703
00:27:29,909 --> 00:27:27,200
together especially when speaking about

704
00:27:51,750 --> 00:27:29,919
long duration flight i mean moon mars

705
00:27:55,269 --> 00:27:52,870
i would like

706
00:27:57,669 --> 00:27:55,279
to observe that once we leave the earth

707
00:28:00,070 --> 00:27:57,679
we don't notice our differences very

708
00:28:17,990 --> 00:28:00,080
much any longer neither national nor

709
00:28:24,549 --> 00:28:20,789
and if there are any other inhabitants

710
00:28:26,549 --> 00:28:24,559
let's say the martians or some other um

711
00:28:28,710 --> 00:28:26,559
inhabitants of other planets when once

712
00:28:41,830 --> 00:28:28,720
they greet astronauts and cosmonauts

713
00:28:41,840 --> 00:28:48,870

foreign

714
00:28:53,430 --> 00:28:51,510
and i believe that the relationship that

715
00:28:55,590 --> 00:28:53,440
we will have and of course that will be

716
00:28:58,310 --> 00:28:55,600
for and before flight would be one

717
00:29:03,830 --> 00:28:58,320
single unified team which will represent

718
00:29:09,510 --> 00:29:06,149
okay with that will go to joanna carver

719
00:29:15,750 --> 00:29:12,310
uh hello i have a question for um all

720
00:29:17,669 --> 00:29:15,760
three of the crew and i'd like to know

721
00:29:19,110 --> 00:29:17,679
you know joe in particular you said that

722
00:29:21,350 --> 00:29:19,120
you'd want to go

723
00:29:23,190 --> 00:29:21,360
you'd sign up to be on a 500 day mission

724
00:29:25,269 --> 00:29:23,200
but would any of you want to go

725
00:29:27,190 --> 00:29:25,279
to another planet or even another solar

726
00:29:29,190 --> 00:29:27,200
system

727
00:29:30,070 --> 00:29:29,200
yes

728
00:29:31,909 --> 00:29:30,080
okay

729
00:29:33,510 --> 00:29:31,919
most definitely i that

730
00:29:35,909 --> 00:29:33,520
that's that's always been a dream of

731
00:29:37,750 --> 00:29:35,919
mine and i have that opportunity that's

732
00:29:41,830 --> 00:29:37,760
a one of the easiest questions i'll get

733
00:30:05,350 --> 00:29:41,840
all day i would love to do it

734
00:30:09,110 --> 00:30:07,029
i'm certainly ready but it would be nice

735
00:30:12,389 --> 00:30:09,120
to simulate such an interesting flight

736
00:30:14,389 --> 00:30:12,399
and a mission like that and to try it

737
00:30:21,269 --> 00:30:14,399
out on the planet moon and spend about

738
00:30:26,710 --> 00:30:23,350

okay moving on to our next reporter mike

739
00:30:32,230 --> 00:30:29,909
okay hi guys um this is

740
00:30:34,710 --> 00:30:32,240
oh yeah this is just for for yeah for

741
00:30:37,510 --> 00:30:34,720
all of you guys um so so yeah you're

742
00:30:39,110 --> 00:30:37,520
gonna dragon's arrival there by

743
00:30:41,029 --> 00:30:39,120
about a month and a half do any of you

744
00:30:42,230 --> 00:30:41,039
wish that like maybe you could be up

745
00:30:44,230 --> 00:30:42,240
there when

746
00:30:45,669 --> 00:30:44,240
when that actually gets up there and um

747
00:30:47,750 --> 00:30:45,679
just to be a part of the historic

748
00:30:50,070 --> 00:30:47,760
arrival

749
00:30:50,950 --> 00:30:50,080
i think we all would love to be part of

750
00:30:53,269 --> 00:30:50,960
that

751
00:30:56,310 --> 00:30:53,279
but it's going to be neat to uh to see

752
00:30:58,470 --> 00:30:56,320
it from the ground to see how it behaves

753
00:31:00,389 --> 00:30:58,480
relative to how we have trained

754
00:31:02,070 --> 00:31:00,399
and hopefully during our increment we'll

755
00:31:05,350 --> 00:31:02,080
have an opportunity to also have one of

756
00:31:08,389 --> 00:31:05,360
those visit us so it's always fun to be

757
00:31:10,070 --> 00:31:08,399
part of a historic moment but just to be

758
00:31:11,430 --> 00:31:10,080
part of the entire training team to see

759
00:31:13,909 --> 00:31:11,440
how it goes how it relates to our

760
00:31:15,590 --> 00:31:13,919
training and then taking that to make

761
00:31:20,710 --> 00:31:15,600
our experience that much better it will

762
00:31:23,669 --> 00:31:22,389
okay with that we'll return back here to

763
00:31:27,509 --> 00:31:23,679

the johnson space center for any

764
00:31:30,470 --> 00:31:28,950
okay seeing none

765
00:31:31,669 --> 00:31:30,480
we'll wrap up this briefing for more

766
00:31:33,110 --> 00:31:31,679
information on this crew and their

767
00:31:35,669 --> 00:31:33,120
mission please visit our website at