



1
00:00:06,550 --> 00:00:03,030
and alex we're ready to start when you

2
00:00:06,560 --> 00:00:10,790
station is ready for the event

3
00:00:17,189 --> 00:00:12,950
station this is houston are you ready

4
00:00:31,109 --> 00:00:19,029
international space station is ready for

5
00:00:42,470 --> 00:00:33,430
and issa this is mission control houston

6
00:00:51,990 --> 00:00:45,430
station from council tower town square

7
00:00:52,000 --> 00:00:55,350
out of the internet

8
00:01:06,550 --> 00:00:57,350
welcome to the international space

9
00:01:06,560 --> 00:01:17,030
hello alex hello alex

10
00:01:21,350 --> 00:01:18,550
and i see a lot of people here who would

11
00:01:51,030 --> 00:01:21,360
like to stand on the stage here with me

12
00:01:55,030 --> 00:01:52,950
okay alex i'm so excited to see you

13
00:01:57,910 --> 00:01:55,040

again

14

00:02:01,190 --> 00:01:57,920

it's nice to see you i'm very happy

15

00:02:04,550 --> 00:02:01,200

to tell you i'm happy to call home

16

00:02:08,469 --> 00:02:06,550

i have to admit i'm a little bit nervous

17

00:02:14,470 --> 00:02:08,479

i was looking forward to it very much to

18

00:02:23,350 --> 00:02:18,630

alex

19

00:02:26,550 --> 00:02:24,790

you would be much more nervous if you

20

00:02:28,229 --> 00:02:26,560

looked at your laptop because i just

21

00:02:30,390 --> 00:02:28,239

sent you a picture

22

00:02:31,830 --> 00:02:30,400

of the uh crowds of people who are here

23

00:02:48,790 --> 00:02:31,840

you then you would have some idea how

24

00:02:53,990 --> 00:02:52,229

that the bus stop was relocated and i

25

00:02:55,190 --> 00:02:54,000

hope nobody was inconvenienced by that

26

00:03:00,470 --> 00:02:55,200

because i don't think that's ever

27

00:03:00,480 --> 00:03:13,509

i have one thing to ask you

28

00:03:16,070 --> 00:03:15,270

that are here or is it only something

29

00:03:20,630 --> 00:03:16,080

for

30

00:03:23,350 --> 00:03:20,640

speaks to children what do you do on the

31

00:03:27,110 --> 00:03:25,509

i have to disagree with you it's

32

00:03:29,030 --> 00:03:27,120

absolutely nothing for adults it's much

33

00:03:30,949 --> 00:03:29,040

more for children

34

00:03:32,470 --> 00:03:30,959

if you travel on this thing you really

35

00:03:34,309 --> 00:03:32,480

have to be a little bit of a child

36

00:03:36,470 --> 00:03:34,319

inside and i think the children

37

00:03:38,710 --> 00:03:36,480

understand me quite well

38

00:03:41,589 --> 00:03:38,720

we have a lot of experiments here for

39

00:03:43,509 --> 00:03:41,599

science of course

40

00:03:45,990 --> 00:03:43,519

we have 160 different

41

00:03:48,390 --> 00:03:46,000

experiments but we've also done some

42

00:03:51,110 --> 00:03:48,400

especially for children

43

00:03:53,429 --> 00:03:51,120

where we demonstrate physical effects uh

44

00:03:55,670 --> 00:03:53,439

in space versus on earth

45

00:03:57,589 --> 00:03:55,680

and i think young people

46

00:03:59,589 --> 00:03:57,599

are quite fascinated by them

47

00:04:02,070 --> 00:03:59,599

and and we're hoping to kindle some

48

00:04:05,030 --> 00:04:02,080

enthusiasm for

49

00:04:07,670 --> 00:04:05,040

say studying sciences and and

50

00:04:09,670 --> 00:04:07,680

it would help us in germany of course

51
00:04:26,230 --> 00:04:09,680
and i i'm quite sure it would be a lot

52
00:04:26,240 --> 00:04:35,350
correctly

53
00:04:55,030 --> 00:04:38,710
what planets can you see from the iss

54
00:04:59,270 --> 00:04:56,790
in the shadow of the earth 16 times a

55
00:05:01,029 --> 00:04:59,280
day and then during that time when we're

56
00:05:04,230 --> 00:05:01,039
in the shadow of the earth

57
00:05:06,870 --> 00:05:04,240
we could see all kinds of planets

58
00:05:08,230 --> 00:05:06,880
i could see mars venus

59
00:05:10,550 --> 00:05:08,240
sometimes

60
00:05:13,189 --> 00:05:10,560
not only that but you can see the milky

61
00:05:15,510 --> 00:05:13,199
way and the clarity that i've never

62
00:05:18,310 --> 00:05:15,520
never seen before

63
00:05:21,430 --> 00:05:18,320

and you see it with your bare eyes

64

00:05:24,070 --> 00:05:21,440

and sometimes you see a shooting star

65

00:05:32,310 --> 00:05:24,080

the amazing thing is it's it's below us

66

00:05:44,629 --> 00:05:35,590

are you allowed to wish for something

67

00:05:48,550 --> 00:05:46,390

i hope everybody comes back who's here

68

00:05:50,710 --> 00:05:48,560

tonight when we throw a huge party for

69

00:06:02,070 --> 00:05:50,720

alex after he laughs

70

00:06:18,950 --> 00:06:03,430

but we have people who have been waiting

71

00:06:22,070 --> 00:06:20,390

how you can manage to be in such a

72

00:06:24,790 --> 00:06:22,080

confined space as you float through

73

00:06:29,590 --> 00:06:28,150

hello sonic hello

74

00:06:33,270 --> 00:06:29,600

it's really a good question i have to

75

00:06:35,830 --> 00:06:33,280

admit we are confined in here

76

00:06:38,150 --> 00:06:35,840

people think of it as a

77

00:06:40,070 --> 00:06:38,160

like a can of sardines but it's really

78

00:06:42,150 --> 00:06:40,080

quite spacious inside

79

00:06:46,550 --> 00:06:42,160

and it has the same amount of room for

80

00:06:48,390 --> 00:06:46,560

six of us as the same as a boeing 747.

81

00:06:50,870 --> 00:06:48,400

and we work in our separate modules and

82

00:06:52,710 --> 00:06:50,880

we do our work and and we uh it's really

83

00:06:54,390 --> 00:06:52,720

a nice experience when we see each other

84

00:06:57,189 --> 00:06:54,400

at meal time and when we look out the

85

00:07:01,589 --> 00:06:58,629

when you look out the windows you see

86

00:07:04,150 --> 00:07:01,599

the continents floating away from enough

87

00:07:06,230 --> 00:07:04,160

because it's so big and vast outside

88

00:07:07,270 --> 00:07:06,240

i i don't have the feeling of being

89

00:07:09,029 --> 00:07:07,280

confined

90

00:07:11,589 --> 00:07:09,039

and i'm zipping around the earth every

91

00:07:13,670 --> 00:07:11,599

90 minutes and that's

92

00:07:20,950 --> 00:07:13,680

you cannot feel restricted or confined

93

00:07:26,790 --> 00:07:24,070

okay we have political prominence here

94

00:07:29,189 --> 00:07:26,800

who are very interested in

95

00:07:40,150 --> 00:07:29,199

space and who also have been very

96

00:07:43,029 --> 00:07:41,029

okay

97

00:07:45,029 --> 00:07:43,039

i would like to know whether you're on

98

00:07:47,510 --> 00:07:45,039

the same time zone

99

00:07:49,510 --> 00:07:47,520

plan uh what sort of schedule do you

100

00:07:53,189 --> 00:07:49,520

follow when you're in space because

101
00:08:00,150 --> 00:07:56,469
you have sunrise 18 times a day or so

102
00:08:02,950 --> 00:08:00,160
how do you organize your day

103
00:08:04,790 --> 00:08:02,960
yeah christian hello christian

104
00:08:06,150 --> 00:08:04,800
against the cream it's quite convenient

105
00:08:07,749 --> 00:08:06,160
up here uh

106
00:08:09,990 --> 00:08:07,759
in greenwich mean time yes

107
00:08:12,950 --> 00:08:10,000
we live according to utc or the the

108
00:08:15,510 --> 00:08:12,960
former uh gmt greenwich mean time

109
00:08:17,990 --> 00:08:15,520
we're two ways uh two hours away from

110
00:08:20,710 --> 00:08:18,000
from germany so it's uh

111
00:08:23,990 --> 00:08:20,720
half past five in the evening

112
00:08:29,110 --> 00:08:26,469
it's a good idea to keep to uh

113
00:08:31,029 --> 00:08:29,120

to a 24-hour schedule because people are

114

00:08:32,790 --> 00:08:31,039

creatures of habit we rise at the same

115

00:08:35,750 --> 00:08:32,800

time we go to bed at the same time it's

116

00:08:38,870 --> 00:08:35,760

pretty much the same as on earth

117

00:08:41,750 --> 00:08:38,880

with 16 sunrises and sunsets you you you

118

00:08:44,550 --> 00:08:41,760

can't keep to those schedules because i

119

00:08:45,670 --> 00:08:44,560

think you lose your mind

120

00:08:48,870 --> 00:08:45,680

i've clicked

121

00:08:52,870 --> 00:08:48,880

yeah that sounds logical

122

00:08:52,880 --> 00:09:00,949

i'm

123

00:09:06,870 --> 00:09:03,910

what experiments do you uh think are

124

00:09:09,430 --> 00:09:06,880

particularly important and significant

125

00:09:10,949 --> 00:09:09,440

oh that's a very good question as well

126

00:09:14,630 --> 00:09:10,959

but it's very difficult to answer we

127

00:09:19,110 --> 00:09:14,640

have 160 experiments here as i said from

128

00:09:22,550 --> 00:09:20,630

i talked to the

129

00:09:24,949 --> 00:09:22,560

european uh

130

00:09:27,430 --> 00:09:24,959

uh oliver and the uh

131

00:09:29,430 --> 00:09:27,440

the uh boxes are stacking up here with

132

00:09:32,310 --> 00:09:29,440

experiments that we still have to do

133

00:10:02,949 --> 00:09:34,389

the future

134

00:10:07,829 --> 00:10:05,269

uh medications

135

00:10:10,790 --> 00:10:07,839

for osteoporosis

136

00:10:12,790 --> 00:10:10,800

new vaccinations

137

00:10:14,230 --> 00:10:12,800

and we lay the foundation for that i

138

00:10:16,230 --> 00:10:14,240

could talk all evening about all the

139

00:10:18,069 --> 00:10:16,240

experiments

140

00:10:22,230 --> 00:10:18,079

quite a few relevant things on board

141

00:10:22,240 --> 00:10:25,750

wow

142

00:10:41,030 --> 00:10:27,910

okay back to queensland's house on earth

143

00:10:49,990 --> 00:10:42,870

zero gravity you you have hit the

144

00:10:53,350 --> 00:10:51,990

yes you do everything the same as you do

145

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

on earth you have the hiccups and you

146

00:10:57,990 --> 00:10:55,680

sneeze just the same in zero gravity as

147

00:11:00,870 --> 00:10:58,000

on earth

148

00:11:06,949 --> 00:11:00,880

okay right after

149

00:11:16,310 --> 00:11:09,910

i look at your pictures every day

150

00:11:19,670 --> 00:11:18,550

how often would you have time to try and

151
00:11:21,590 --> 00:11:19,680
capture kunsan's health from

152
00:11:23,590 --> 00:11:21,600
specifically

153
00:11:25,509 --> 00:11:23,600
it took me quite some time

154
00:11:36,630 --> 00:11:25,519
uh took quite a while to do that because

155
00:11:46,630 --> 00:11:37,670
i

156
00:11:51,350 --> 00:11:49,430
and you have a few seconds uh 10 20

157
00:11:53,190 --> 00:11:51,360
seconds and then next thing you know

158
00:12:11,030 --> 00:11:53,200
you're above moscow so you have to act

159
00:12:16,230 --> 00:12:13,590
what was uh your most beautiful

160
00:12:17,590 --> 00:12:16,240
moment or experience during this mission

161
00:12:19,990 --> 00:12:17,600
that's a very difficult question to

162
00:12:32,470 --> 00:12:20,000
answer there have been so many

163
00:12:37,030 --> 00:12:34,470

to see that it pressed me into the seat

164

00:12:39,670 --> 00:12:37,040

and actually started and took off with

165

00:12:41,430 --> 00:12:39,680

me and once we were in space

166

00:12:43,269 --> 00:12:41,440

i saw that blue

167

00:12:47,670 --> 00:12:43,279

shimmering color coming in through the

168

00:12:53,030 --> 00:12:50,629

and i i did see the earth as a blue

169

00:12:55,030 --> 00:12:53,040

sickle beneath me and that just blew me

170

00:12:56,550 --> 00:12:55,040

away and that is an experiment and an

171

00:12:59,829 --> 00:12:56,560

experience in the moment that i will

172

00:13:09,829 --> 00:13:01,990

alex

173

00:13:14,790 --> 00:13:11,670

okay what would you take with you if you

174

00:13:16,550 --> 00:13:14,800

were going to space for in a rocket for

175

00:13:18,949 --> 00:13:16,560

half a half a year what would you take

176

00:13:20,710 --> 00:13:18,959

with you except school books alex i'll

177

00:13:23,269 --> 00:13:20,720

ask you

178

00:13:25,269 --> 00:13:23,279

what did you take

179

00:13:27,990 --> 00:13:25,279

most of it is already here that the

180

00:13:31,829 --> 00:13:28,000

stuff i took with me were small little

181

00:13:38,790 --> 00:13:33,750

something to remind me of council tower

182

00:13:44,069 --> 00:13:41,110

oh okay and the uh

183

00:13:45,590 --> 00:13:44,079

flags and photos of my uh from my family

184

00:13:48,150 --> 00:13:45,600

and friends that that was the most

185

00:13:49,910 --> 00:13:48,160

important for me to take and

186

00:13:55,590 --> 00:13:49,920

as for the rest if i just look out the

187

00:14:08,389 --> 00:13:58,310

no plush animals

188

00:14:12,790 --> 00:14:09,590

okay it's

189

00:14:15,750 --> 00:14:12,800

resting in my uh sleep station uh right

190

00:14:19,110 --> 00:14:15,760

now it has a long day's work behind it

191

00:14:19,120 --> 00:14:25,990

is it live from sbl we're live from

192

00:14:30,629 --> 00:14:28,069

can you listen to the station upstairs

193

00:14:32,150 --> 00:14:30,639

and if up there and if you if you can

194

00:14:33,590 --> 00:14:32,160

what station

195

00:14:35,590 --> 00:14:33,600

programs

196

00:14:38,389 --> 00:14:35,600

i can't get svr

197

00:14:41,189 --> 00:14:38,399

i get the daily news loaded up here

198

00:14:53,670 --> 00:14:41,199

and that keeps me connected to the world

199

00:15:10,310 --> 00:14:55,110

i'm looking forward to listening to the

200

00:15:14,150 --> 00:15:12,069

notice you always have a good mood you

201
00:15:16,470 --> 00:15:14,160
you're beaming you have a smile on your

202
00:15:18,470 --> 00:15:16,480
face and i just i just want to know do

203
00:15:21,910 --> 00:15:18,480
you ever have a bad day a bad mood i

204
00:15:24,790 --> 00:15:21,920
just can't imagine that about you

205
00:15:25,509 --> 00:15:24,800
okay we have our monday mornings here

206
00:15:27,590 --> 00:15:25,519
and

207
00:15:35,110 --> 00:15:27,600
that's why we don't plan any interviews

208
00:15:43,509 --> 00:15:38,310
i'm going to ask the physics teacher

209
00:15:47,910 --> 00:15:46,150
what should alex bring back from in

210
00:15:51,590 --> 00:15:47,920
terms of his experiments for you to use

211
00:15:51,600 --> 00:16:05,670
i followed all your training

212
00:16:10,310 --> 00:16:06,949
embarrassed because they're physics

213
00:16:14,790 --> 00:16:12,550

okay but i plan to use something

214

00:16:16,389 --> 00:16:14,800

from your experiments in my classroom

215

00:16:17,910 --> 00:16:16,399

even if it's not actually in my lesson

216

00:16:31,670 --> 00:16:17,920

plan

217

00:16:31,680 --> 00:16:40,550

and the control center is very important

218

00:16:43,749 --> 00:16:42,470

okay what do you think alex should take

219

00:16:45,829 --> 00:16:43,759

bring home

220

00:16:48,310 --> 00:16:45,839

and be able to say that that was a real

221

00:16:57,430 --> 00:16:49,829

i'm so happy that we see each other

222

00:17:01,990 --> 00:16:59,350

there are more than 30 experiments that

223

00:17:04,390 --> 00:17:02,000

alex is doing

224

00:17:05,590 --> 00:17:04,400

and they're in all the lofty circles of

225

00:17:10,870 --> 00:17:05,600

uh

226

00:17:12,390 --> 00:17:10,880

these but he's going to bring back

227

00:17:14,470 --> 00:17:12,400

with a lot of knowledge

228

00:17:29,830 --> 00:17:14,480

but please allow me alex

229

00:17:33,270 --> 00:17:31,669

how does it feel to read these headlines

230

00:17:34,470 --> 00:17:33,280

up there

231

00:17:36,390 --> 00:17:34,480

how do you

232

00:17:39,110 --> 00:17:36,400

talk about this do you discuss this at

233

00:17:41,190 --> 00:17:39,120

all amongst yourselves

234

00:17:43,350 --> 00:17:41,200

yeah thomas you know how it is you were

235

00:17:44,830 --> 00:17:43,360

in a similar situation yourself

236

00:17:47,909 --> 00:17:44,840

well you do discuss

237

00:17:49,830 --> 00:17:47,919

it but we're together as a crew

238

00:17:53,270 --> 00:17:49,840

and we are removed from earth

239

00:17:55,350 --> 00:17:53,280

and uh we have a different perspective

240

00:17:57,430 --> 00:17:55,360

of our planet it makes us see how small

241

00:17:58,630 --> 00:17:57,440

our planet is and how very vulnerable it

242

00:18:03,510 --> 00:17:58,640

is

243

00:18:05,190 --> 00:18:03,520

yes and it almost feels as though you

244

00:18:06,950 --> 00:18:05,200

could blow it away with your breath and

245

00:18:10,630 --> 00:18:06,960

if you see that and

246

00:18:12,070 --> 00:18:10,640

that people are waging war

247

00:18:14,230 --> 00:18:12,080

and we can sometimes actually see

248

00:18:15,830 --> 00:18:14,240

rockets fly it's horrible to see that

249

00:18:19,110 --> 00:18:15,840

and it doesn't matter where on earth it

250

00:18:21,510 --> 00:18:19,120

is this view it's a question of

251
00:18:22,230 --> 00:18:21,520
we have the perspective up here to see

252
00:18:23,990 --> 00:18:22,240
the

253
00:18:26,789 --> 00:18:24,000
picture as a whole

254
00:18:30,230 --> 00:18:26,799
and we have so many resources that we

255
00:18:30,240 --> 00:18:34,390
pollution and through conflicts

256
00:18:38,630 --> 00:18:37,029
and that's a perspective that we will

257
00:18:54,789 --> 00:18:38,640
take back with us when we go back to

258
00:19:01,590 --> 00:18:57,669
one trick

259
00:19:02,390 --> 00:19:01,600
played and i think you

260
00:19:05,430 --> 00:19:02,400
uh

261
00:19:05,440 --> 00:19:12,789
i've tried to train since last night

262
00:19:16,390 --> 00:19:15,029
i was never really a good gymnast i have

263
00:19:17,750 --> 00:19:16,400

my one chance

264

00:19:19,669 --> 00:19:17,760

up here

265

00:19:22,470 --> 00:19:19,679

in uh weightlessness

266

00:19:33,190 --> 00:19:22,480

it's probably not going to go well

267

00:19:41,270 --> 00:19:36,230

so this this is a special kind of jump

268

00:19:47,430 --> 00:19:43,590

okay we're going to say ciao

269

00:19:50,710 --> 00:19:47,440

to international space station to alex

270

00:19:52,630 --> 00:19:50,720

and he he is a world it's a world

271

00:19:57,270 --> 00:19:52,640

premiere of the genghis alto from

272

00:20:01,190 --> 00:19:59,750

yes you did it

273

00:20:03,350 --> 00:20:01,200

many greetings

274

00:20:07,510 --> 00:20:03,360

uh back to goonsen's house

275

00:20:09,270 --> 00:20:07,520

thanks for all your lovely support

276

00:20:11,029 --> 00:20:09,280

i've unheard that a lot of people were

277

00:20:13,350 --> 00:20:11,039

in town hall

278

00:20:15,590 --> 00:20:13,360

uh all the best to you i'm thinking of

279

00:20:17,590 --> 00:20:15,600

you and i'm with you in my thoughts

280

00:20:19,430 --> 00:20:17,600

and i look forward to going to coming

281

00:20:21,909 --> 00:20:19,440

back before the end of the year

282

00:20:23,750 --> 00:20:21,919

and i wish you a lovely party today and

283

00:20:25,510 --> 00:20:23,760

i look forward

284

00:20:28,070 --> 00:20:25,520

to uh looking forward to seeing you all

285

00:20:32,549 --> 00:20:28,870

okay

286

00:20:34,630 --> 00:20:32,559

so it's a special uh angel performance

287

00:20:37,270 --> 00:20:34,640

and their mayor will explain to you what

288

00:20:40,950 --> 00:20:37,280

it is and i wish you all the best

289

00:20:47,590 --> 00:20:43,669

and this concludes the event a handbag

290

00:20:52,870 --> 00:20:50,310

station this is houston acr thank you

291

00:20:54,789 --> 00:20:52,880

that concludes our event

292

00:20:57,510 --> 00:20:54,799

thank you issa station we are now