



1
00:00:03,189 --> 00:00:01,510
voice check

2
00:00:09,270 --> 00:00:03,199
station this is the rickett baba

3
00:00:12,150 --> 00:00:10,709
rick and bobo we've got you loud and

4
00:00:15,110 --> 00:00:12,160
clear welcome aboard the international

5
00:00:16,870 --> 00:00:15,120
space station oh wow commander doug

6
00:00:19,189 --> 00:00:16,880
we're glad to be here first off let me

7
00:00:21,109 --> 00:00:19,199
tell you thank you for making it happen

8
00:00:24,070 --> 00:00:21,119
and uh hello to everyone on the

9
00:00:26,070 --> 00:00:24,080
international space station uh doug let

10
00:00:27,750 --> 00:00:26,080
me let me start with you we've got a

11
00:00:31,029 --> 00:00:27,760
tight window here

12
00:00:33,430 --> 00:00:31,039
but you have brought space back to earth

13
00:00:35,590 --> 00:00:33,440

with your use of social network media

14

00:00:41,590 --> 00:00:35,600

like never before can you talk about

15

00:00:46,869 --> 00:00:43,510

well it's been great and we we always

16

00:00:47,830 --> 00:00:46,879

looking for ways rick and bubba to uh

17

00:00:49,510 --> 00:00:47,840

to bring

18

00:00:51,430 --> 00:00:49,520

the views that we see out the window and

19

00:00:53,590 --> 00:00:51,440

the things that we're experiencing in

20

00:00:55,350 --> 00:00:53,600

the ways of science on board the station

21

00:00:56,630 --> 00:00:55,360

and the experiences we have inside as

22

00:00:59,270 --> 00:00:56,640

well

23

00:01:01,349 --> 00:00:59,280

bring those uh back to earth so folks

24

00:01:03,510 --> 00:01:01,359

can enjoy those can see what we're

25

00:01:06,469 --> 00:01:03,520

seeing and experience uh the very same

26

00:01:08,950 --> 00:01:06,479

thing and uh we tried to venture out and

27

00:01:11,350 --> 00:01:08,960

scott is doing this as well as as far as

28

00:01:13,190 --> 00:01:11,360

using twitter and um

29

00:01:15,429 --> 00:01:13,200

we've been sending pictures and uh just

30

00:01:17,510 --> 00:01:15,439

our our thoughts and and comments uh

31

00:01:19,590 --> 00:01:17,520

down to earth and so it's been it's been

32

00:01:20,950 --> 00:01:19,600

a real uh real thrill to be able to do

33

00:01:22,710 --> 00:01:20,960

that

34

00:01:25,030 --> 00:01:22,720

uh our next question is for flight

35

00:01:26,710 --> 00:01:25,040

engineer shannon walker shannon if you

36

00:01:28,789 --> 00:01:26,720

get the chance to go back to the

37

00:01:30,789 --> 00:01:28,799

international space station

38

00:01:32,469 --> 00:01:30,799

what would you tell nasa that needs to

39

00:01:38,390 --> 00:01:32,479

be done different and what would you do

40

00:01:42,469 --> 00:01:39,910

well you know actually i think we've got

41

00:01:44,710 --> 00:01:42,479

it down pretty well on how we operate

42

00:01:46,950 --> 00:01:44,720

day to day and how we um

43

00:01:47,990 --> 00:01:46,960

conduct ourselves up here i think nasa's

44

00:01:50,230 --> 00:01:48,000

doing a pretty good job and the

45

00:01:52,870 --> 00:01:50,240

station's doing a pretty good job so i

46

00:01:54,950 --> 00:01:52,880

think a few tweaks here and there on how

47

00:01:57,030 --> 00:01:54,960

we manage some of our stowage but by and

48

00:02:01,109 --> 00:01:57,040

large just keep doing what we're doing

49

00:02:06,550 --> 00:02:03,590

our next question is for flight engineer

50

00:02:09,190 --> 00:02:06,560

scott j kelly scott when you get back to

51
00:02:11,190 --> 00:02:09,200
earth talk to us about how long it takes

52
00:02:13,910 --> 00:02:11,200
you to transition back to your earth

53
00:02:19,910 --> 00:02:13,920
legs and what other problems might be in

54
00:02:24,550 --> 00:02:21,190
well this is my

55
00:02:26,229 --> 00:02:24,560
first long-duration flight so um

56
00:02:27,990 --> 00:02:26,239
as far as my knowledge about how long it

57
00:02:29,830 --> 00:02:28,000
takes to do that is just from talking to

58
00:02:32,150 --> 00:02:29,840
other astronauts on a on a short

59
00:02:34,150 --> 00:02:32,160
duration mission it takes um

60
00:02:36,550 --> 00:02:34,160
usually about three or four days before

61
00:02:37,509 --> 00:02:36,560
people are feeling uh you know 100

62
00:02:39,670 --> 00:02:37,519
percent

63
00:02:41,509 --> 00:02:39,680

on a longer flight like

64

00:02:43,990 --> 00:02:41,519

on board the international space station

65

00:02:45,430 --> 00:02:44,000

it can take much longer i think up

66

00:02:48,150 --> 00:02:45,440

up to

67

00:02:50,470 --> 00:02:48,160

some cases several months before

68

00:02:51,990 --> 00:02:50,480

not only is a person feeling normal but

69

00:02:54,229 --> 00:02:52,000

they have um

70

00:02:55,910 --> 00:02:54,239

you know their their bone mass bone

71

00:02:58,149 --> 00:02:55,920

density and muscle mass back in some

72

00:03:05,270 --> 00:02:58,159

cases it takes more than a year

73

00:03:09,990 --> 00:03:07,750

commander doug uh let me ask you and

74

00:03:11,589 --> 00:03:10,000

we've had a lot of people want to know

75

00:03:13,830 --> 00:03:11,599

it's very important work what you're

76
00:03:16,309 --> 00:03:13,840
doing and i know you're very busy but in

77
00:03:18,070 --> 00:03:16,319
your down time what do you get to do for

78
00:03:19,910 --> 00:03:18,080
fun on the space station do you have

79
00:03:21,670 --> 00:03:19,920
video games there

80
00:03:23,110 --> 00:03:21,680
i know you work with twitter as you

81
00:03:27,750 --> 00:03:23,120
mentioned what other things do you do

82
00:03:31,350 --> 00:03:29,430
well we have a lot of

83
00:03:32,949 --> 00:03:31,360
an assortment of movies on board that

84
00:03:35,430 --> 00:03:32,959
sometimes we'll have movie night

85
00:03:37,589 --> 00:03:35,440
together we tend to try to eat our meals

86
00:03:39,430 --> 00:03:37,599
in the evening at least together

87
00:03:41,830 --> 00:03:39,440
and so we can socialize a little bit

88
00:03:43,910 --> 00:03:41,840

with our with our crew crewmates

89

00:03:47,030 --> 00:03:43,920

and we read

90

00:03:49,350 --> 00:03:47,040

we also have email on board that we can

91

00:03:50,229 --> 00:03:49,360

correspond with family and friends

92

00:03:52,070 --> 00:03:50,239

and

93

00:03:54,070 --> 00:03:52,080

probably the favorite our most favorite

94

00:03:55,110 --> 00:03:54,080

pastime is looking out the window

95

00:03:56,630 --> 00:03:55,120

because

96

00:03:58,390 --> 00:03:56,640

when you go to the cupola and you have

97

00:04:00,630 --> 00:03:58,400

the window on the world

98

00:04:04,550 --> 00:04:00,640

it's quite an amazing sight and the

99

00:04:09,589 --> 00:04:07,270

let me let me follow up with you on that

100

00:04:11,670 --> 00:04:09,599

comment you have rode on the space

101

00:04:13,030 --> 00:04:11,680

shuttle you have been on the space

102

00:04:15,910 --> 00:04:13,040

station you've been commander of the

103

00:04:18,150 --> 00:04:15,920

space station uh you have climbed to

104

00:04:19,670 --> 00:04:18,160

mount everest the top of mount everest

105

00:04:25,909 --> 00:04:19,680

what are you going to do for excitement

106

00:04:29,270 --> 00:04:27,350

well i didn't go i didn't make it to

107

00:04:31,510 --> 00:04:29,280

this to the top of mount everest but i

108

00:04:32,790 --> 00:04:31,520

did uh get to base camp but

109

00:04:34,629 --> 00:04:32,800

gosh uh

110

00:04:37,030 --> 00:04:34,639

you know the i i'm just really looking

111

00:04:37,909 --> 00:04:37,040

forward to the simple things uh but the

112

00:04:39,270 --> 00:04:37,919

um

113

00:04:41,189 --> 00:04:39,280

uh probably the biggest thing i'm

114

00:04:44,150 --> 00:04:41,199

looking forward to is is hot running

115

00:04:46,390 --> 00:04:44,160

water uh taking taking a shower haven't

116

00:04:48,310 --> 00:04:46,400

had a shower since june so uh looking

117

00:04:51,110 --> 00:04:48,320

forward to that and really looking

118

00:04:52,870 --> 00:04:51,120

forward to uh uh to feeling a breeze

119

00:04:54,629 --> 00:04:52,880

against my face you know just kind of

120

00:04:56,710 --> 00:04:54,639

smelling the earth and

121

00:04:57,510 --> 00:04:56,720

and all the the vegetation and just the

122

00:04:59,430 --> 00:04:57,520

uh

123

00:05:02,390 --> 00:04:59,440

just experiencing the the feel of the

124

00:05:06,870 --> 00:05:04,390

doug let me let me follow up with you

125

00:05:09,749 --> 00:05:06,880

one more time since you brought that up

126

00:05:11,990 --> 00:05:09,759

talk to us about uh how does how does

127

00:05:14,070 --> 00:05:12,000

traveling in space in long duration and

128

00:05:15,909 --> 00:05:14,080

having the view you have how does it

129

00:05:18,469 --> 00:05:15,919

affect your spiritual beliefs and your

130

00:05:20,469 --> 00:05:18,479

spiritual side has that has that changed

131

00:05:28,310 --> 00:05:20,479

has it been enhanced what what how does

132

00:05:33,350 --> 00:05:31,110

well yeah each person is really

133

00:05:35,909 --> 00:05:33,360

different i suppose in their experience

134

00:05:37,350 --> 00:05:35,919

for for me it's a it tends to strengthen

135

00:05:39,189 --> 00:05:37,360

my my

136

00:05:41,909 --> 00:05:39,199

my own personal beliefs and things and

137

00:05:44,070 --> 00:05:41,919

uh it's a it's quite an amazing place

138

00:05:46,230 --> 00:05:44,080

you know we we uh

139

00:05:48,550 --> 00:05:46,240

you look at uh you look at the earth and

140

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

look at it against the backdrop of space

141

00:05:54,550 --> 00:05:50,720

and it uh you can't help but

142

00:05:55,990 --> 00:05:54,560

you know to sort of turn inward about uh

143

00:05:57,749 --> 00:05:56,000

you know just your different your

144

00:05:59,909 --> 00:05:57,759

different thoughts on uh

145

00:06:01,270 --> 00:05:59,919

on the beauty of our world and and sort

146

00:06:03,430 --> 00:06:01,280

of your purpose

147

00:06:06,070 --> 00:06:03,440

and your place in this in this world

148

00:06:07,830 --> 00:06:06,080

because when you look out your you feel

149

00:06:09,830 --> 00:06:07,840

pretty small when you uh when you look

150

00:06:12,629 --> 00:06:09,840

out into the cosmos and then

151

00:06:14,309 --> 00:06:12,639

at the earth and enjoy the uh

152

00:06:15,909 --> 00:06:14,319

each of the different views that we have

153

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

going around the earth it really makes

154

00:06:19,990 --> 00:06:18,240

you feel like you're quite a uh quite

155

00:06:22,150 --> 00:06:20,000

insignificant really in the whole scheme

156

00:06:25,350 --> 00:06:22,160

of things but really makes you turn

157

00:06:27,189 --> 00:06:25,360

inward to to kind of define yourself and

158

00:06:29,189 --> 00:06:27,199

your purpose so

159

00:06:33,350 --> 00:06:29,199

i think for me personally it's uh it's

160

00:06:36,070 --> 00:06:33,360

strengthened my my personal beliefs

161

00:06:38,230 --> 00:06:36,080

shannon uh we had a question called in

162

00:06:40,870 --> 00:06:38,240

from a listener very good when we're in

163

00:06:43,270 --> 00:06:40,880

the peak of the meteor shower season how

164

00:06:45,909 --> 00:06:43,280

does that affect you being outside most

165

00:06:48,870 --> 00:06:45,919

of the atmosphere uh in space danger

166

00:06:54,070 --> 00:06:48,880

wise and what can you see shooting stars

167

00:06:57,990 --> 00:06:55,749

that's a very good question we are

168

00:06:59,830 --> 00:06:58,000

actually have a very slight increase of

169

00:07:01,110 --> 00:06:59,840

in risk of being

170

00:07:03,029 --> 00:07:01,120

hit by

171

00:07:05,589 --> 00:07:03,039

by a meteor during a meteor shower but

172

00:07:07,510 --> 00:07:05,599

space is actually a pretty big place so

173

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

we haven't noticed that we've been hit

174

00:07:10,870 --> 00:07:09,280

by anything we certainly had nothing

175

00:07:12,950 --> 00:07:10,880

come all the way through the station the

176

00:07:15,029 --> 00:07:12,960

interesting thing about meteor showers

177

00:07:16,629 --> 00:07:15,039

is that they take place below us so when

178

00:07:18,230 --> 00:07:16,639

we are looking out and we can see the

179

00:07:19,510 --> 00:07:18,240

shooting stars but they are below us

180

00:07:21,670 --> 00:07:19,520

because we're above

181

00:07:24,629 --> 00:07:21,680

the atmosphere so so we see them

182

00:07:29,430 --> 00:07:27,189

scott let me ask you a question about

183

00:07:31,589 --> 00:07:29,440

the the end of the space shuttle program

184

00:07:32,950 --> 00:07:31,599

and the future of nasa how how are we

185

00:07:39,110 --> 00:07:32,960

looking there what are your thoughts on

186

00:07:43,909 --> 00:07:41,029

i think the end of the space shuttle

187

00:07:45,990 --> 00:07:43,919

program is is bittersweet the the

188

00:07:49,990 --> 00:07:46,000

shuttle has been an amazing vehicle it's

189

00:07:52,070 --> 00:07:50,000

uh you know capabilities to perform uh

190

00:07:53,830 --> 00:07:52,080

various types of operations in low earth

191

00:07:57,749 --> 00:07:53,840

orbit i don't think will be

192

00:07:59,990 --> 00:07:57,759

uh superseded for you know decades

193

00:08:01,909 --> 00:08:00,000

however if we want to go

194

00:08:04,309 --> 00:08:01,919

beyond low earth orbit

195

00:08:05,909 --> 00:08:04,319

we need to build ourselves a new rocket

196

00:08:06,790 --> 00:08:05,919

and a new capsule

197

00:08:08,550 --> 00:08:06,800

and

198

00:08:11,350 --> 00:08:08,560

you know to do that obviously is very

199

00:08:14,390 --> 00:08:11,360

expensive so we can't we can't

200

00:08:16,950 --> 00:08:14,400

fund both programs and also have this uh

201
00:08:19,110 --> 00:08:16,960
amazing uh space station that's just

202
00:08:20,950 --> 00:08:19,120
finally reaching its uh capability that

203
00:08:22,869 --> 00:08:20,960
we currently have so

204
00:08:25,029 --> 00:08:22,879
um

205
00:08:27,749 --> 00:08:25,039
although it's uh it's sad in one respect

206
00:08:30,150 --> 00:08:27,759
it's it's understandable and i think uh

207
00:08:32,469 --> 00:08:30,160
i think the future of nasa is bright uh

208
00:08:34,230 --> 00:08:32,479
certainly we have some uh

209
00:08:36,709 --> 00:08:34,240
you know our government uh has some

210
00:08:38,709 --> 00:08:36,719
decisions to make here uh soon with

211
00:08:41,430 --> 00:08:38,719
regards to our budget and um you know

212
00:08:43,990 --> 00:08:41,440
whatever they decide as nasa employees

213
00:08:45,670 --> 00:08:44,000

we will support and uh you know support

214

00:08:47,509 --> 00:08:45,680

it in the best way that we can

215

00:08:49,190 --> 00:08:47,519

we want to thank all of you for taking

216

00:08:51,509 --> 00:08:49,200

time to speak with us thank you for the

217

00:08:52,790 --> 00:08:51,519

job you're doing and we can't underline

218

00:08:54,949 --> 00:08:52,800

that enough

219

00:08:56,389 --> 00:08:54,959

commander doug thank you again and doug

220

00:08:58,070 --> 00:08:56,399

you want to give a quick shout out to

221

00:08:59,110 --> 00:08:58,080

the teachers that have adopted you or me

222

00:09:10,150 --> 00:08:59,120

and you both are going to have to move

223

00:09:13,990 --> 00:09:11,910

we have our uh our

224

00:09:15,269 --> 00:09:14,000

fourth crew member here in the u.s uh

225

00:09:18,470 --> 00:09:15,279

segment uh

226

00:09:19,269 --> 00:09:18,480

this is uh al the astro nut uh from our

227

00:09:20,870 --> 00:09:19,279

uh

228

00:09:21,990 --> 00:09:20,880

teachers and students down in the wire

229

00:09:24,870 --> 00:09:22,000

wiregrass

230

00:09:27,430 --> 00:09:24,880

math and science consortium uh that were

231

00:09:28,870 --> 00:09:27,440

we're doing some work with some actually

232

00:09:30,790 --> 00:09:28,880

most of the students throughout the

233

00:09:32,550 --> 00:09:30,800

state of alabama and i wanted to say

234

00:09:36,790 --> 00:09:32,560

hello to them and al gives a shout out

235

00:09:49,190 --> 00:09:38,710

the station this is houston acr that

236

00:09:52,790 --> 00:09:50,710

thank you rick and bubba syndicated

237

00:09:54,470 --> 00:09:52,800

radio show station please stand by while