



1
00:00:07,030 --> 00:00:02,710
station this is houston are you ready

2
00:00:11,270 --> 00:00:09,190
houston station expedition 34 crews

3
00:00:13,110 --> 00:00:11,280
ready for the event

4
00:00:16,790 --> 00:00:13,120
cnn this is mission control houston

5
00:00:18,550 --> 00:00:16,800
please call station for a voice check

6
00:00:22,870 --> 00:00:18,560
hey station this is brooke baldwin with

7
00:00:26,230 --> 00:00:24,870
brooke we have you clear aboard the

8
00:00:28,390 --> 00:00:26,240
international space station welcome

9
00:00:31,189 --> 00:00:28,400
aboard

10
00:00:33,350 --> 00:00:31,199
thank you guys let's rock and roll good

11
00:00:35,350 --> 00:00:33,360
is it good is it good morning is it good

12
00:00:39,030 --> 00:00:35,360
afternoon good night what is it for you

13
00:00:42,709 --> 00:00:40,709

it's about two o'clock in the afternoon

14

00:00:44,150 --> 00:00:42,719

so it's a good afternoon for us we've

15

00:00:45,990 --> 00:00:44,160

already put in about a half a day's work

16

00:00:48,069 --> 00:00:46,000

on board and after the event we got a

17

00:00:51,350 --> 00:00:48,079

little bit more to go so it's middle of

18

00:00:55,590 --> 00:00:53,110

kevin let me begin with you as a station

19

00:00:58,310 --> 00:00:55,600

commander just just brief us earthlings

20

00:01:03,029 --> 00:00:58,320

here as far as what your mission is up

21

00:01:08,469 --> 00:01:05,910

well i've been out here about 140 days

22

00:01:10,630 --> 00:01:08,479

and the real mission out here is to do

23

00:01:11,510 --> 00:01:10,640

science really for the benefit of the

24

00:01:13,510 --> 00:01:11,520

earth

25

00:01:15,429 --> 00:01:13,520

also we do some test bed stuff

26

00:01:17,109 --> 00:01:15,439

engineering

27

00:01:18,789 --> 00:01:17,119

applications if you will for space

28

00:01:20,950 --> 00:01:18,799

flight and

29

00:01:23,030 --> 00:01:20,960

there are about 150 experiments going on

30

00:01:25,830 --> 00:01:23,040

at any one time literally hundreds and

31

00:01:28,310 --> 00:01:25,840

hundreds in the past and and to come a

32

00:01:29,670 --> 00:01:28,320

lot of scientists on earth

33

00:01:32,310 --> 00:01:29,680

think of things that they could do in

34

00:01:34,870 --> 00:01:32,320

zero g things like the way uh

35

00:01:38,630 --> 00:01:34,880

metals cure for example

36

00:01:40,550 --> 00:01:38,640

and the way uh fluids uh react in space

37

00:01:42,710 --> 00:01:40,560

can tell us a lot about some of the

38

00:01:44,630 --> 00:01:42,720

unknowns that we have on earth

39

00:01:47,270 --> 00:01:44,640

also we can do science and medical

40

00:01:49,270 --> 00:01:47,280

science uh studies on osteoporosis those

41

00:01:51,030 --> 00:01:49,280

kinds of things there are scientists on

42

00:01:52,710 --> 00:01:51,040

the planet who have so many different

43

00:01:54,870 --> 00:01:52,720

kinds of ideas about what to do on the

44

00:01:56,550 --> 00:01:54,880

space station that

45

00:01:58,709 --> 00:01:56,560

we we just get to come up here and

46

00:02:00,149 --> 00:01:58,719

execute for them and it's just a

47

00:02:03,030 --> 00:02:00,159

pleasure to be up here since i've been

48

00:02:04,389 --> 00:02:03,040

up here i've just been just in awe of

49

00:02:06,630 --> 00:02:04,399

the experiments the quality of the

50

00:02:10,229 --> 00:02:06,640

experiments and what we've seen up here

51
00:02:13,190 --> 00:02:10,239
that has applications back on earth

52
00:02:15,510 --> 00:02:13,200
i have to tell you as a huge space geek

53
00:02:17,750 --> 00:02:15,520
i am in awe of all three of you and tom

54
00:02:19,990 --> 00:02:17,760
i cannot help but notice this camera

55
00:02:22,070 --> 00:02:20,000
floating in front of you which makes me

56
00:02:24,229 --> 00:02:22,080
just kind of wonder do you ever get used

57
00:02:28,630 --> 00:02:24,239
to this feeling of floating of zero

58
00:02:33,270 --> 00:02:30,150
you get better at being able to do

59
00:02:34,949 --> 00:02:33,280
useful work in zero gravity but it's

60
00:02:36,390 --> 00:02:34,959
always fun it's always a complete

61
00:02:38,790 --> 00:02:36,400
delight it's like a dream

62
00:02:40,390 --> 00:02:38,800
uh being able to fly from place to place

63
00:02:41,670 --> 00:02:40,400

and uh your your feet kind of become

64

00:02:43,270 --> 00:02:41,680

like your hands

65

00:02:44,790 --> 00:02:43,280

and that's why we don't have shoes on

66

00:02:47,190 --> 00:02:44,800

we're always just wearing socks so we

67

00:02:50,869 --> 00:02:47,200

can stabilize ourselves but it's always

68

00:02:51,910 --> 00:02:50,879

an enormous amount of fun

69

00:02:54,070 --> 00:02:51,920

um

70

00:02:56,070 --> 00:02:54,080

chris my question to you now because

71

00:02:58,309 --> 00:02:56,080

you're really making waves with all your

72

00:03:00,869 --> 00:02:58,319

tweets your pictures all around earth

73

00:03:02,949 --> 00:03:00,879

your sandwich making uh the peanut

74

00:03:04,309 --> 00:03:02,959

butter the honey i understand you've

75

00:03:06,309 --> 00:03:04,319

been rocking out with the chieftains and

76

00:03:08,790 --> 00:03:06,319

the bare naked ladies with your guitar

77

00:03:11,030 --> 00:03:08,800

what do you make of just the response

78

00:03:15,430 --> 00:03:11,040

here on earth just from your twitter

79

00:03:20,229 --> 00:03:17,990

uh brooke i i think it's marvelous when

80

00:03:22,229 --> 00:03:20,239

i first flew in space

81

00:03:24,470 --> 00:03:22,239

gosh 17 years ago

82

00:03:26,630 --> 00:03:24,480

i've been trying ever since to let

83

00:03:28,949 --> 00:03:26,640

people know what a magnificent human

84

00:03:31,509 --> 00:03:28,959

experience this is it's new for our

85

00:03:32,710 --> 00:03:31,519

species to be able to see our earth in

86

00:03:35,589 --> 00:03:32,720

all of its

87

00:03:38,630 --> 00:03:35,599

just beautiful glory in one place in one

88

00:03:40,309 --> 00:03:38,640

glance in in 90 minutes to go around the

89

00:03:42,710 --> 00:03:40,319

whole thing to try and describe that i

90

00:03:44,949 --> 00:03:42,720

do my best but uh now with the

91

00:03:47,190 --> 00:03:44,959

technology that nasa has on board and

92

00:03:49,430 --> 00:03:47,200

with technology like twitter when over

93

00:03:50,949 --> 00:03:49,440

half a million followers today in fact

94

00:03:53,270 --> 00:03:50,959

that are directly following what we're

95

00:03:54,710 --> 00:03:53,280

doing on board here we can show people

96

00:03:56,309 --> 00:03:54,720

real time

97

00:03:58,949 --> 00:03:56,319

this incredible

98

00:04:00,789 --> 00:03:58,959

uh richness that we are all privy to

99

00:04:02,789 --> 00:04:00,799

that we all live with but you just don't

100

00:04:05,110 --> 00:04:02,799

get to see any other way and so i think

101

00:04:06,949 --> 00:04:05,120

the response reflects that

102

00:04:08,309 --> 00:04:06,959

we are doing science on the space

103

00:04:10,229 --> 00:04:08,319

station we're learning how to leave

104

00:04:12,309 --> 00:04:10,239

earth permanently but at the same time

105

00:04:14,309 --> 00:04:12,319

it teaches us a tremendous amount about

106

00:04:16,550 --> 00:04:14,319

our planet and our place in it and i

107

00:04:18,469 --> 00:04:16,560

think the followership on the twitter

108

00:04:20,550 --> 00:04:18,479

feed and everything else really reflects

109

00:04:22,469 --> 00:04:20,560

that

110

00:04:24,629 --> 00:04:22,479

chris do you have a favorite photo a

111

00:04:30,550 --> 00:04:24,639

favorite vista something you've seen

112

00:04:36,150 --> 00:04:33,670

uh when we're in the cupola which is our

113

00:04:37,749 --> 00:04:36,160

huge bulging bay window that faces the

114

00:04:38,870 --> 00:04:37,759

earth um

115

00:04:41,990 --> 00:04:38,880

sometimes

116

00:04:44,230 --> 00:04:42,000

there but often there are two of us in

117

00:04:46,550 --> 00:04:44,240

there waiting for something to happen

118

00:04:47,990 --> 00:04:46,560

waiting to come up on a continent or

119

00:04:50,150 --> 00:04:48,000

even maybe what i think is the most

120

00:04:53,590 --> 00:04:50,160

special waiting for a sunrise or a

121

00:04:55,990 --> 00:04:53,600

sunset because that transition as we

122

00:04:58,070 --> 00:04:56,000

race around the earth and come into

123

00:04:59,110 --> 00:04:58,080

sight of the sun or the sun comes into

124

00:05:01,350 --> 00:04:59,120

sight of us

125

00:05:03,749 --> 00:05:01,360

the atmosphere blossoms so quickly with

126

00:05:06,230 --> 00:05:03,759

all the colors just a rainbow exploding

127

00:05:08,070 --> 00:05:06,240

around the world and and then suddenly

128

00:05:10,390 --> 00:05:08,080

the world is is bathed in the light of

129

00:05:12,070 --> 00:05:10,400

the sun because of our our tremendous

130

00:05:14,390 --> 00:05:12,080

speed and it's

131

00:05:16,950 --> 00:05:14,400

it's it's a repeating miracle it's just

132

00:05:18,469 --> 00:05:16,960

beautiful to see uh to be to be

133

00:05:20,629 --> 00:05:18,479

privileged to be able to up here and see

134

00:05:22,390 --> 00:05:20,639

it we all just are reverent about it

135

00:05:24,310 --> 00:05:22,400

when you see it it takes your breath

136

00:05:26,310 --> 00:05:24,320

away every time it's and it's a way to

137

00:05:29,110 --> 00:05:26,320

see the world that i wish everyone could

138

00:05:30,550 --> 00:05:29,120

see in one quick glimpse

139

00:05:32,870 --> 00:05:30,560

and we're doing our best to let people

140

00:05:34,390 --> 00:05:32,880

see it that way

141

00:05:35,909 --> 00:05:34,400

i know this is your job this is your

142

00:05:37,749 --> 00:05:35,919

career but i imagine just hearing the

143

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

passion in all three of your voices it

144

00:05:40,950 --> 00:05:39,360

sounds like a pinch me moment for all

145

00:05:42,710 --> 00:05:40,960

three of you and and i know you're all

146

00:05:44,870 --> 00:05:42,720

very involved in these tweet ups talking

147

00:05:46,950 --> 00:05:44,880

to students from the iss here's my

148

00:05:48,629 --> 00:05:46,960

question because i covered the atlantis

149

00:05:50,710 --> 00:05:48,639

lodge we now know that the space shuttle

150

00:05:52,230 --> 00:05:50,720

program is shuttered how do you maintain

151
00:05:53,909 --> 00:05:52,240
that excitement in young people when

152
00:05:56,230 --> 00:05:53,919
someone says to and this is to any of

153
00:05:57,990 --> 00:05:56,240
you i want to be an astronaut there are

154
00:06:02,309 --> 00:05:58,000
no shuttles to get you there so what's

155
00:06:08,629 --> 00:06:05,029
well i'll start i i flew my last flight

156
00:06:10,950 --> 00:06:08,639
on discovery uh as a shuttle pilot the

157
00:06:12,710 --> 00:06:10,960
shuttle program was fantastic for 30

158
00:06:14,550 --> 00:06:12,720
years this the space shuttle built the

159
00:06:16,230 --> 00:06:14,560
space station that wouldn't be here

160
00:06:18,710 --> 00:06:16,240
without it it wouldn't be here without a

161
00:06:20,710 --> 00:06:18,720
lot of elements i like the canadarm2 and

162
00:06:22,629 --> 00:06:20,720
and so forth as well and all the

163
00:06:23,830 --> 00:06:22,639

contributions of our partners

164

00:06:26,230 --> 00:06:23,840

but um

165

00:06:28,469 --> 00:06:26,240

it's just it's just a magnificent

166

00:06:30,230 --> 00:06:28,479

magnificent step that we're taking here

167

00:06:32,629 --> 00:06:30,240

this is where we are learning to live

168

00:06:34,790 --> 00:06:32,639

and fly into space deeper

169

00:06:37,189 --> 00:06:34,800

there will be more to come there are

170

00:06:38,870 --> 00:06:37,199

programs on the horizon right now uh

171

00:06:40,230 --> 00:06:38,880

we're looking at what the next step is

172

00:06:42,550 --> 00:06:40,240

going to be for us

173

00:06:44,309 --> 00:06:42,560

and uh the opportunities are still there

174

00:06:46,550 --> 00:06:44,319

this is really this really is just the

175

00:06:49,110 --> 00:06:46,560

first baby step into the universe

176

00:06:50,469 --> 00:06:49,120

what we're doing here as this this uh

177

00:06:52,390 --> 00:06:50,479

this group of countries that came

178

00:06:54,390 --> 00:06:52,400

together to do this make the space

179

00:06:55,749 --> 00:06:54,400

station a reality the most affluent

180

00:06:57,909 --> 00:06:55,759

countries on the planet have put

181

00:06:59,909 --> 00:06:57,919

together a platform to teach us how to

182

00:07:01,670 --> 00:06:59,919

go deeper into space and the the new

183

00:07:04,790 --> 00:07:01,680

generations are the are the ones that

184

00:07:06,629 --> 00:07:04,800

are going to do that in the future so uh

185

00:07:09,110 --> 00:07:06,639

even the shuttle itself was just an

186

00:07:10,550 --> 00:07:09,120

early generation spacecraft and and some

187

00:07:12,629 --> 00:07:10,560

things are really going to happen that

188

00:07:13,990 --> 00:07:12,639

are even much cooler the technology

189

00:07:16,790 --> 00:07:14,000

we're seeing on earth now that you see

190

00:07:19,749 --> 00:07:16,800

in your everyday life will make space

191

00:07:22,469 --> 00:07:19,759

me even uh move along at a more rapid

192

00:07:23,270 --> 00:07:22,479

pace i think in the future so uh i'm i'm

193

00:07:24,390 --> 00:07:23,280

just

194

00:07:27,029 --> 00:07:24,400

really excited to see what we're going

195

00:07:29,110 --> 00:07:27,039

to have 15 20 years from now i think we

196

00:07:30,950 --> 00:07:29,120

will be moving out into the solar system

197

00:07:34,150 --> 00:07:30,960

with humans and way out and beyond with

198

00:07:35,909 --> 00:07:34,160

uh with other kinds of machines

199

00:07:37,430 --> 00:07:35,919

can can we gentlemen can we talk about

200

00:07:39,589 --> 00:07:37,440

asteroids because they've been making a

201
00:07:41,510 --> 00:07:39,599
lot of news down here where we are uh

202
00:07:43,589 --> 00:07:41,520
that there was uh the quick buzz past

203
00:07:44,390 --> 00:07:43,599
earth a couple of weeks ago we saw what

204
00:07:45,909 --> 00:07:44,400
happened

205
00:07:47,830 --> 00:07:45,919
with the meteorite over russia and then

206
00:07:49,029 --> 00:07:47,840
just this week and another asteroid

207
00:07:50,469 --> 00:07:49,039
straight up

208
00:07:56,150 --> 00:07:50,479
how concerned should we be about

209
00:08:00,150 --> 00:07:58,230
well the asteroids are out there and

210
00:08:01,909 --> 00:08:00,160
we've got a surveillance system that's

211
00:08:03,589 --> 00:08:01,919
looking for them you know the chances

212
00:08:05,430 --> 00:08:03,599
are are very very small that anything

213
00:08:07,189 --> 00:08:05,440

would happen anytime soon however the

214

00:08:09,270 --> 00:08:07,199

chance is always out there asteroids are

215

00:08:11,189 --> 00:08:09,280

worth worth looking at not only where

216

00:08:13,589 --> 00:08:11,199

they are and where they're headed but

217

00:08:15,350 --> 00:08:13,599

they may very well be very rich in

218

00:08:17,189 --> 00:08:15,360

minerals and other materials that would

219

00:08:18,309 --> 00:08:17,199

be very useful to us so there's a lot of

220

00:08:20,150 --> 00:08:18,319

reason

221

00:08:22,230 --> 00:08:20,160

to go out to them

222

00:08:24,790 --> 00:08:22,240

the technology required to go to one and

223

00:08:26,390 --> 00:08:24,800

to stay in sort of an orbit around one

224

00:08:27,270 --> 00:08:26,400

and to do a space walk so you could

225

00:08:29,749 --> 00:08:27,280

actually

226

00:08:31,189 --> 00:08:29,759

attach yourself to an ass to an asteroid

227

00:08:33,190 --> 00:08:31,199

that's all technology that we need to

228

00:08:34,630 --> 00:08:33,200

develop and whenever we try something

229

00:08:37,269 --> 00:08:34,640

that hard

230

00:08:38,949 --> 00:08:37,279

all of the the benefits that technical

231

00:08:40,949 --> 00:08:38,959

benefits that come from that benefits

232

00:08:44,070 --> 00:08:40,959

everyone really so it's a wonderful

233

00:08:47,750 --> 00:08:46,150

while i still have you all with about 60

234

00:08:49,750 --> 00:08:47,760

seconds remaining i just want to thank

235

00:08:51,750 --> 00:08:49,760

you profusely for talking to me and and

236

00:08:54,310 --> 00:08:51,760

i hear you all are capable of doing some

237

00:08:56,150 --> 00:08:54,320

sort of space flip so here's my favor

238

00:08:57,750 --> 00:08:56,160

i'd love to use this in my show could

239

00:08:59,430 --> 00:08:57,760

you guys say something like hello from

240

00:09:01,350 --> 00:08:59,440

the international space station you know

241

00:09:07,990 --> 00:09:01,360

you're watching cnn and then

242

00:09:15,509 --> 00:09:10,070

hello from the international space

243

00:09:24,310 --> 00:09:17,269

woohoo

244

00:09:28,389 --> 00:09:26,070

thank you guys so much i i would i would

245

00:09:29,269 --> 00:09:28,399

totally flip for you if i if i possibly

246

00:09:32,389 --> 00:09:29,279

could

247

00:09:34,310 --> 00:09:32,399

enjoy it thank you keep us posted we're

248

00:09:35,910 --> 00:09:34,320

hanging on your every tweet and your

249

00:09:40,470 --> 00:09:35,920

photo we are living vicariously through