



1
00:00:05,190 --> 00:00:03,350
well thank you all very much it's uh

2
00:00:07,829 --> 00:00:05,200
it's great to be here at the nasa

3
00:00:09,350 --> 00:00:07,839
marshals flight center and uh

4
00:00:11,110 --> 00:00:09,360
uh it is a

5
00:00:12,549 --> 00:00:11,120
particular privilege for me to be able

6
00:00:14,950 --> 00:00:12,559
to address

7
00:00:16,790 --> 00:00:14,960
uh all three of you at the international

8
00:00:19,029 --> 00:00:16,800
space station

9
00:00:21,029 --> 00:00:19,039
i bring greetings this afternoon randy

10
00:00:23,189 --> 00:00:21,039
and mark and joe from

11
00:00:24,790 --> 00:00:23,199
president donald trump i just hung up

12
00:00:26,710 --> 00:00:24,800
the phone from him

13
00:00:29,109 --> 00:00:26,720

and he wanted me to convey his

14

00:00:31,509 --> 00:00:29,119

admiration and appreciation

15

00:00:38,150 --> 00:00:31,519

for your service and your courage and

16

00:00:41,590 --> 00:00:39,510

thank you sir welcome aboard the

17

00:00:43,510 --> 00:00:41,600

international space station

18

00:00:45,990 --> 00:00:43,520

well thanks so very much i know each of

19

00:00:47,830 --> 00:00:46,000

you served in the armed forces

20

00:00:50,549 --> 00:00:47,840

randy and joe were

21

00:00:52,310 --> 00:00:50,559

in the marine corps like my son and mark

22

00:00:53,910 --> 00:00:52,320

is in the army now you serve as american

23

00:00:55,350 --> 00:00:53,920

astronauts and

24

00:00:57,270 --> 00:00:55,360

i want you to know the president and i

25

00:00:58,470 --> 00:00:57,280

and every american sees each one of you

26

00:01:01,349 --> 00:00:58,480

as true

27

00:01:03,750 --> 00:01:01,359

trailblazers in a great american

28

00:01:06,149 --> 00:01:03,760

tradition you may not be aware but the

29

00:01:09,830 --> 00:01:06,159

president asked me to chair

30

00:01:11,590 --> 00:01:09,840

a restart of the national space council

31

00:01:12,789 --> 00:01:11,600

and i want to assure each one of you

32

00:01:16,070 --> 00:01:12,799

that

33

00:01:17,830 --> 00:01:16,080

the the national space council will

34

00:01:19,670 --> 00:01:17,840

be looking

35

00:01:22,870 --> 00:01:19,680

we're looking to build on the historic

36

00:01:25,190 --> 00:01:22,880

work that you're building on today

37

00:01:27,109 --> 00:01:25,200

and i can assure you that under

38

00:01:29,190 --> 00:01:27,119

president donald trump

39

00:01:30,069 --> 00:01:29,200

america is determined to

40

00:01:32,710 --> 00:01:30,079

lead

41

00:01:33,990 --> 00:01:32,720

once again not just in low earth orbit

42

00:01:35,350 --> 00:01:34,000

but once again

43

00:01:38,149 --> 00:01:35,360

leading the world

44

00:01:40,069 --> 00:01:38,159

in space exploration and we're just

45

00:01:41,670 --> 00:01:40,079

really honored to speak to three

46

00:01:42,950 --> 00:01:41,680

courageous americans who are such an

47

00:01:43,749 --> 00:01:42,960

essential part

48

00:01:47,270 --> 00:01:43,759

of

49

00:01:49,670 --> 00:01:47,280

um

50

00:01:51,350 --> 00:01:49,680

let me uh let me maybe throw a question

51
00:01:53,190 --> 00:01:51,360
at each one of you uh

52
00:01:54,630 --> 00:01:53,200
mark and joe i understand you both just

53
00:01:59,030 --> 00:01:54,640
arrived

54
00:02:01,270 --> 00:01:59,040
in space about a week and a half ago can

55
00:02:03,910 --> 00:02:01,280
can you describe

56
00:02:10,229 --> 00:02:03,920
for an earth dweller like me what it's

57
00:02:12,949 --> 00:02:11,589
well especially at the beginning it

58
00:02:14,470 --> 00:02:12,959
feels a little bit like someone's

59
00:02:15,589 --> 00:02:14,480
holding you by your feet upside down for

60
00:02:16,949 --> 00:02:15,599
a while

61
00:02:18,949 --> 00:02:16,959
it can be a little uncomfortable but

62
00:02:23,110 --> 00:02:18,959
it's amazing how quickly human beings

63
00:02:26,869 --> 00:02:25,030

how about how about uh the rest of you

64

00:02:29,030 --> 00:02:26,879

any any impressions that you can

65

00:02:30,630 --> 00:02:29,040

interpret uh life in space

66

00:02:32,470 --> 00:02:30,640

to somebody like me that's just looked

67

00:02:35,030 --> 00:02:32,480

on my whole lifetime and admired people

68

00:02:36,949 --> 00:02:35,040

like you looked on my whole lifetime and

69

00:02:38,869 --> 00:02:36,959

admired people like you

70

00:02:41,750 --> 00:02:38,879

uh well let me just say

71

00:02:43,509 --> 00:02:41,760

it's a it's an awesome feeling it's a

72

00:02:45,670 --> 00:02:43,519

it's really an honor and a privilege to

73

00:02:47,910 --> 00:02:45,680

be up here to be serving our country and

74

00:02:49,509 --> 00:02:47,920

doing all this great research but i

75

00:02:51,350 --> 00:02:49,519

think all of us have the little kid in

76

00:02:53,190 --> 00:02:51,360

us so you know to be able to float

77

00:02:54,229 --> 00:02:53,200

around and just uh

78

00:02:56,070 --> 00:02:54,239

kind of just

79

00:02:57,830 --> 00:02:56,080

break free of all these uh

80

00:03:00,309 --> 00:02:57,840

these ties that we have on earth it's

81

00:03:02,309 --> 00:03:00,319

quite a remarkable feeling and you know

82

00:03:07,910 --> 00:03:02,319

hopefully someday more and more people

83

00:03:11,350 --> 00:03:09,270

uh

84

00:03:12,949 --> 00:03:11,360

thanks for the acrobatics behind you

85

00:03:15,830 --> 00:03:12,959

there i was that was actually very

86

00:03:21,190 --> 00:03:16,869

let me

87

00:03:25,830 --> 00:03:23,750

you know i'm going to take a look here

88

00:03:27,350 --> 00:03:25,840

at the space launch system that that's

89

00:03:30,470 --> 00:03:27,360

going to carry your fellow astronauts

90

00:03:32,789 --> 00:03:30,480

into deep space can can you talk about

91

00:03:39,430 --> 00:03:32,799

how the work you're doing now

92

00:03:42,070 --> 00:03:40,949

well mr vice president we can definitely

93

00:03:43,830 --> 00:03:42,080

say that

94

00:03:45,990 --> 00:03:43,840

if you get to see that engine firing

95

00:03:47,509 --> 00:03:46,000

today that'll be a sight to behold it'll

96

00:03:49,190 --> 00:03:47,519

something you'll always remember and

97

00:03:50,550 --> 00:03:49,200

those engines are going to power the

98

00:03:53,830 --> 00:03:50,560

rocket that takes you know the

99

00:03:55,990 --> 00:03:53,840

spaceships like our orion um

100

00:03:58,149 --> 00:03:56,000

up to orbit with the people inside and

101
00:03:59,509 --> 00:03:58,159
you'll hear about em1 and em2 our test

102
00:04:01,990 --> 00:03:59,519
flights that are coming up here real

103
00:04:03,190 --> 00:04:02,000
soon um you know in spacecrafts just

104
00:04:04,550 --> 00:04:03,200
like this

105
00:04:07,429 --> 00:04:04,560
actually maybe a little larger than this

106
00:04:09,509 --> 00:04:07,439
one but uh you know an orion spacecraft

107
00:04:12,149 --> 00:04:09,519
built in the u.s you meant to go do deep

108
00:04:13,990 --> 00:04:12,159
exploration missions um and the work

109
00:04:15,670 --> 00:04:14,000
that we're doing is so that we can

110
00:04:17,749 --> 00:04:15,680
survive when we're in that going into

111
00:04:19,349 --> 00:04:17,759
deep space places you know how does

112
00:04:21,030 --> 00:04:19,359
radiation affect us up here well we're

113
00:04:23,350 --> 00:04:21,040

up here for six months at a time seeing

114

00:04:25,990 --> 00:04:23,360

how it affects us we're looking at

115

00:04:27,670 --> 00:04:26,000

nutrition muscles bones all these types

116

00:04:29,990 --> 00:04:27,680

of things that are really important that

117

00:04:31,670 --> 00:04:30,000

degrade while we're here in zero gravity

118

00:04:34,230 --> 00:04:31,680

just this afternoon we were working on

119

00:04:36,469 --> 00:04:34,240

the miniature exercise exercise device

120

00:04:38,070 --> 00:04:36,479

which was meant to fit into a capsule

121

00:04:39,830 --> 00:04:38,080

just like orion

122

00:04:41,909 --> 00:04:39,840

and so we can do exercise to maintain

123

00:04:43,909 --> 00:04:41,919

our health so when by the time we get to

124

00:04:45,830 --> 00:04:43,919

other heavenly bodies or whatever the

125

00:04:49,670 --> 00:04:45,840

exploration mission is we're fit and

126
00:04:53,670 --> 00:04:51,430
well i really appreciate that commander

127
00:04:55,590 --> 00:04:53,680
it's a great insight you all might be

128
00:04:57,189 --> 00:04:55,600
particularly proud with your background

129
00:04:58,870 --> 00:04:57,199
to know that today

130
00:05:00,550 --> 00:04:58,880
president trump signed a presidential

131
00:05:02,550 --> 00:05:00,560
memorandum directing the department of

132
00:05:03,590 --> 00:05:02,560
education to vote at least 200 million

133
00:05:05,909 --> 00:05:03,600
dollars

134
00:05:08,710 --> 00:05:05,919
a year to grant funds toward expanding

135
00:05:11,270 --> 00:05:08,720
access to high quality stem education

136
00:05:12,230 --> 00:05:11,280
and computer science education is

137
00:05:16,390 --> 00:05:12,240
and

138
00:05:17,830 --> 00:05:16,400

historically underserved uh groups i

139

00:05:20,390 --> 00:05:17,840

think the president is absolutely

140

00:05:22,070 --> 00:05:20,400

determined uh to make sure that

141

00:05:23,990 --> 00:05:22,080

education in america is laying a

142

00:05:26,950 --> 00:05:24,000

foundation

143

00:05:28,629 --> 00:05:26,960

in in mathematics and science

144

00:05:31,270 --> 00:05:28,639

and all the technical background that's

145

00:05:33,749 --> 00:05:31,280

going to make it possible for more

146

00:05:35,590 --> 00:05:33,759

more of our little boys and girls to

147

00:05:36,310 --> 00:05:35,600

reach for the stars and

148

00:05:37,670 --> 00:05:36,320

and

149

00:05:39,350 --> 00:05:37,680

maybe be able to live the dream that you

150

00:05:40,390 --> 00:05:39,360

all are dreaming today

151

00:05:42,870 --> 00:05:40,400

um

152

00:05:45,830 --> 00:05:42,880

what what advice uh what advice would

153

00:05:47,029 --> 00:05:45,840

you have uh to young people today how do

154

00:05:48,790 --> 00:05:47,039

they make it

155

00:05:54,310 --> 00:05:48,800

to the international space station and

156

00:05:59,029 --> 00:05:55,990

well i would start off by telling them

157

00:06:01,350 --> 00:05:59,039

all to uh to dream big it was all a

158

00:06:03,670 --> 00:06:01,360

dream of ours to someday be up here and

159

00:06:04,469 --> 00:06:03,680

without that dream we wouldn't be here

160

00:06:06,230 --> 00:06:04,479

so

161

00:06:08,469 --> 00:06:06,240

you know that's the first step and then

162

00:06:10,390 --> 00:06:08,479

i would tell them to work hard somebody

163

00:06:12,469 --> 00:06:10,400

once told me you know you don't have to

164

00:06:14,309 --> 00:06:12,479

be the smartest person in the room and

165

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

you probably won't be but there's no

166

00:06:17,909 --> 00:06:15,919

reason why you can't work harder than

167

00:06:19,670 --> 00:06:17,919

everybody else so

168

00:06:21,590 --> 00:06:19,680

work as hard as you can

169

00:06:23,510 --> 00:06:21,600

but really you know what i think is most

170

00:06:24,309 --> 00:06:23,520

important is have fun with whatever you

171

00:06:26,790 --> 00:06:24,319

do

172

00:06:28,950 --> 00:06:26,800

we love our job of course we love being

173

00:06:31,430 --> 00:06:28,960

up here but the jobs we had before we

174

00:06:33,110 --> 00:06:31,440

arrived at nasa we all loved them so

175

00:06:35,430 --> 00:06:33,120

find a field that you're very passionate

176

00:06:36,790 --> 00:06:35,440

about and if you love it you're never

177

00:06:39,189 --> 00:06:36,800

going to have to work a day in your life

178

00:06:40,950 --> 00:06:39,199

it's just really really good so

179

00:06:42,309 --> 00:06:40,960

you know i would pass that along and let

180

00:06:47,350 --> 00:06:42,319

people know there's

181

00:06:51,430 --> 00:06:49,350

well thanks for that let me uh let me

182

00:06:53,110 --> 00:06:51,440

ask you a question in my in my role as

183

00:06:55,029 --> 00:06:53,120

chairman of the national space council

184

00:06:57,110 --> 00:06:55,039

and our council will be meeting

185

00:06:59,830 --> 00:06:57,120

uh for the first time

186

00:07:00,870 --> 00:06:59,840

in washington d.c uh in just a few short

187

00:07:04,230 --> 00:07:00,880

weeks

188

00:07:06,309 --> 00:07:04,240

um i'd love to know how do you believe

189

00:07:08,790 --> 00:07:06,319

your work on the international space

190

00:07:16,150 --> 00:07:08,800

station day in and day out

191

00:07:20,469 --> 00:07:18,550

we just sent home a spacex dragon cargo

192

00:07:22,550 --> 00:07:20,479

vehicle that carried science that we

193

00:07:24,870 --> 00:07:22,560

were working on for a month up here one

194

00:07:26,150 --> 00:07:24,880

of them was growing uh

195

00:07:31,189 --> 00:07:26,160

lung tissue

196

00:07:33,510 --> 00:07:31,199

ideally figure out you know cures for

197

00:07:36,870 --> 00:07:33,520

lung cancer so we one of our crewmates

198

00:07:38,309 --> 00:07:36,880

dubbed it the cancer-seeking missiles

199

00:07:40,390 --> 00:07:38,319

groundbreaking research like that up

200

00:07:43,270 --> 00:07:40,400

here on the international space station

201
00:07:45,990 --> 00:07:43,280
365 days a year 24 hours a day

202
00:07:47,749 --> 00:07:46,000
is what keeps american leadership in in

203
00:07:49,589 --> 00:07:47,759
space

204
00:07:51,110 --> 00:07:49,599
the fact that there are companies that

205
00:07:52,550 --> 00:07:51,120
are building cargo vehicles coming to

206
00:07:54,629 --> 00:07:52,560
our space station the fact that those

207
00:07:55,830 --> 00:07:54,639
same companies and new ones are building

208
00:07:57,830 --> 00:07:55,840
crude vehicles they're going to come to

209
00:08:00,469 --> 00:07:57,840
our space station that's how we maintain

210
00:08:01,909 --> 00:08:00,479
our leadership but most of all the place

211
00:08:03,430 --> 00:08:01,919
that you sit and the mission control

212
00:08:05,189 --> 00:08:03,440
that we talk to in houston and all these

213
00:08:07,749 --> 00:08:05,199

other nasa centers it's the work we do

214

00:08:10,230 --> 00:08:07,759

every day continuing to live and work in

215

00:08:12,230 --> 00:08:10,240

space and dealing with the challenges of

216

00:08:14,230 --> 00:08:12,240

not only the daily operations but the

217

00:08:16,550 --> 00:08:14,240

longevity of the operations yeah we're

218

00:08:18,869 --> 00:08:16,560

going into six decades of space in

219

00:08:20,150 --> 00:08:18,879

america it's the daily stuff that we do

220

00:08:21,909 --> 00:08:20,160

and the challenges we keep putting in

221

00:08:23,990 --> 00:08:21,919

front of ourselves that maintain our

222

00:08:25,830 --> 00:08:24,000

leadership in space

223

00:08:27,670 --> 00:08:25,840

well that's a great answer commander and

224

00:08:28,950 --> 00:08:27,680

i really appreciate that we look forward

225

00:08:34,230 --> 00:08:28,960

to

226

00:08:36,310 --> 00:08:34,240

uh develop policies in a broad range of

227

00:08:37,269 --> 00:08:36,320

areas to support american leadership in

228

00:08:40,070 --> 00:08:37,279

space

229

00:08:41,990 --> 00:08:40,080

and well with that with that before you

230

00:08:43,350 --> 00:08:42,000

sail away let me just say again thank

231

00:08:46,389 --> 00:08:43,360

you so much

232

00:08:48,070 --> 00:08:46,399

for your service to the country

233

00:08:50,070 --> 00:08:48,080

i know i speak on behalf of the

234

00:08:51,190 --> 00:08:50,080

president and every american when i say

235

00:08:53,509 --> 00:08:51,200

that

236

00:08:55,110 --> 00:08:53,519

literally and figuratively we all look

237

00:08:56,710 --> 00:08:55,120

up to you

238

00:08:58,230 --> 00:08:56,720

and we are grateful

239

00:09:00,630 --> 00:08:58,240

uh for your courage and your

240

00:09:01,910 --> 00:09:00,640

determination and and the contribution

241

00:09:04,710 --> 00:09:01,920

that you make

242

00:09:06,389 --> 00:09:04,720

to american leadership in space so god

243

00:09:08,630 --> 00:09:06,399

bless you and keep you

244

00:09:11,509 --> 00:09:08,640

and i i'd like to invite all three of

245

00:09:13,350 --> 00:09:11,519

you uh to the white house uh and uh i

246

00:09:14,710 --> 00:09:13,360

got a look at where you work i'd love to

247

00:09:16,310 --> 00:09:14,720

walk you around

248

00:09:18,470 --> 00:09:16,320

where we work and have a chance to shake

249

00:09:21,030 --> 00:09:18,480

your hand and thank you after your long

250

00:09:26,710 --> 00:09:21,040

journey brings you home so uh

251
00:09:29,509 --> 00:09:28,550
thank you very much mr vice president

252
00:09:31,269 --> 00:09:29,519
thank you for joining us on the

253
00:09:33,430 --> 00:09:31,279
international space station and thank

254
00:09:35,030 --> 00:09:33,440
you most of all for your support of our

255
00:09:36,630 --> 00:09:35,040
exploration and i think the national

256
00:09:37,829 --> 00:09:36,640
space council is going to do great work

257
00:09:40,070 --> 00:09:37,839
here in the future we look forward to

258
00:09:42,389 --> 00:09:40,080
seeing it thank you good evening from