



1
00:00:00,490 --> 00:00:15,990
[Music]

2
00:00:42,830 --> 00:00:31,790
t-minus one minute

3
00:00:45,910 --> 00:00:42,840
[Music]

4
00:01:05,109 --> 00:00:59,430
t-minus 30 seconds

5
00:01:12,870 --> 00:01:09,030
t-minus 10 9 8

6
00:01:16,070 --> 00:01:12,880
7 6 four

7
00:01:18,070 --> 00:01:16,080
three two one

8
00:01:24,830 --> 00:01:18,080
welcome to the nasa social for the crew

9
00:01:24,840 --> 00:01:30,100
station

10
00:01:59,429 --> 00:01:36,410
[Music]

11
00:02:04,149 --> 00:02:02,149
welcome to another segment of the nasa

12
00:02:06,230 --> 00:02:04,159
virtual social for the crew one launch

13
00:02:08,710 --> 00:02:06,240

to the international space station

14

00:02:10,790 --> 00:02:08,720

i'm your host wayne saxer some of the

15

00:02:13,190 --> 00:02:10,800

most important things on launch day

16

00:02:14,869 --> 00:02:13,200

are weather and safety it's one of the

17

00:02:16,790 --> 00:02:14,879

most common questions i get

18

00:02:19,350 --> 00:02:16,800

hey wayne how's the weather looking for

19

00:02:21,510 --> 00:02:19,360

launch so we have very special guests

20

00:02:23,270 --> 00:02:21,520

from the 45th space wing lined up

21

00:02:25,270 --> 00:02:23,280

to answer all the questions you might

22

00:02:26,550 --> 00:02:25,280

have about that make sure you drop them

23

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

in the chat window

24

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

i'm gonna send it over to my colleague

25

00:02:32,070 --> 00:02:30,400

tony at the observation gantry

26
00:02:37,270 --> 00:02:32,080
standing by with those special guests to

27
00:02:39,750 --> 00:02:37,280
get those questions answered for you now

28
00:02:42,229 --> 00:02:39,760
hey guys i'm antonia jaramillo and i am

29
00:02:44,949 --> 00:02:42,239
here at the launch complex 39a

30
00:02:47,110 --> 00:02:44,959
observation gantry with two very special

31
00:02:50,309 --> 00:02:47,120
guests from the 40 faith space wing

32
00:02:51,190 --> 00:02:50,319
weather squadron i have mike mc mike

33
00:02:53,910 --> 00:02:51,200
mcelian

34
00:02:55,350 --> 00:02:53,920
and captain matthew walters with me can

35
00:02:56,390 --> 00:02:55,360
you guys tell me a little bit about what

36
00:02:59,430 --> 00:02:56,400
your role is

37
00:03:00,470 --> 00:02:59,440
at the weather squadron sure uh we'll

38
00:03:02,630 --> 00:03:00,480

make sure that

39

00:03:03,990 --> 00:03:02,640

we don't launch through any kind of

40

00:03:05,670 --> 00:03:04,000

adverse uh weather

41

00:03:07,670 --> 00:03:05,680

that could cause a problem for the

42

00:03:08,390 --> 00:03:07,680

vehicle or especially in this case the

43

00:03:11,750 --> 00:03:08,400

crew

44

00:03:13,830 --> 00:03:11,760

local weather that worried about

45

00:03:15,350 --> 00:03:13,840

but also up the ascent corridor on the

46

00:03:16,470 --> 00:03:15,360

eastern seaboard of the united states

47

00:03:18,390 --> 00:03:16,480

that's what captain walter is going to

48

00:03:20,309 --> 00:03:18,400

make sure it's going to be good yes for

49

00:03:22,229 --> 00:03:20,319

for crude missions where you have a

50

00:03:24,710 --> 00:03:22,239

joint metoc officer team

51
00:03:25,350 --> 00:03:24,720
that we provide direct weather support

52
00:03:27,830 --> 00:03:25,360
to debt

53
00:03:28,869 --> 00:03:27,840
3 and the contingency rescue mission all

54
00:03:30,789 --> 00:03:28,879
the way up through

55
00:03:32,630 --> 00:03:30,799
the ascent corridor as well as globally

56
00:03:35,990 --> 00:03:32,640
in the case of something doesn't go

57
00:03:37,670 --> 00:03:36,000
right so very very important roles

58
00:03:39,509 --> 00:03:37,680
needless to say

59
00:03:41,509 --> 00:03:39,519
so we actually already have our first

60
00:03:41,910 --> 00:03:41,519
question from nasa social the first one

61
00:03:45,190 --> 00:03:41,920
is

62
00:03:46,710 --> 00:03:45,200
launch

63
00:03:48,309 --> 00:03:46,720

well i'll talk about the local part

64

00:03:49,350 --> 00:03:48,319

we're looking pretty good for tomorrow

65

00:03:51,110 --> 00:03:49,360

we had a

66

00:03:53,110 --> 00:03:51,120

front kind of push through on the tail

67

00:03:54,949 --> 00:03:53,120

end of tropical storm ada

68

00:03:56,390 --> 00:03:54,959

and that's left a lot of moisture but as

69

00:03:57,190 --> 00:03:56,400

you can see behind me it's kind of

70

00:03:58,309 --> 00:03:57,200

clearing out

71

00:03:59,910 --> 00:03:58,319

and so we're thinking that's going to

72

00:04:01,190 --> 00:03:59,920

continue we do have a risk of some

73

00:04:02,789 --> 00:04:01,200

cumulus clouds

74

00:04:04,070 --> 00:04:02,799

as well as some showers that might come

75

00:04:05,509 --> 00:04:04,080

out of those clouds and since this

76

00:04:06,710 --> 00:04:05,519

vehicle is returning

77

00:04:08,149 --> 00:04:06,720

we need to make sure it doesn't fly

78

00:04:10,309 --> 00:04:08,159

through any precipitation that could

79

00:04:12,390 --> 00:04:10,319

damage the thermal tiles that

80

00:04:14,390 --> 00:04:12,400

would allow that safe reentry up to each

81

00:04:15,830 --> 00:04:14,400

corridor is also a little bit risky but

82

00:04:18,150 --> 00:04:15,840

i'll let captain walter talk about it

83

00:04:19,590 --> 00:04:18,160

right now we're looking good uh tropical

84

00:04:21,509 --> 00:04:19,600

storm ada has moved out

85

00:04:23,270 --> 00:04:21,519

and is weakening as it's moved out

86

00:04:24,629 --> 00:04:23,280

towards the atlantic so we're looking

87

00:04:26,150 --> 00:04:24,639

good through the ascent quarter

88

00:04:27,670 --> 00:04:26,160

uh we'll keep an eye on it as we

89

00:04:28,710 --> 00:04:27,680

approach launch day but looking good

90

00:04:30,230 --> 00:04:28,720

right now

91

00:04:31,909 --> 00:04:30,240

well that's really good news because

92

00:04:32,790 --> 00:04:31,919

earlier this week it wasn't looking that

93

00:04:35,270 --> 00:04:32,800

great

94

00:04:36,230 --> 00:04:35,280

our next question uh what is the role of

95

00:04:38,310 --> 00:04:36,240

the 45th

96

00:04:39,909 --> 00:04:38,320

and weather team for launches in other

97

00:04:42,390 --> 00:04:39,919

words what do you guys do on

98

00:04:43,670 --> 00:04:42,400

launch day well on launch day it all

99

00:04:45,030 --> 00:04:43,680

comes together i mean

100

00:04:47,270 --> 00:04:45,040

i just want to bring up that we're

101

00:04:48,230 --> 00:04:47,280

involved in all the pieces and parts

102

00:04:50,230 --> 00:04:48,240

moving around

103

00:04:51,830 --> 00:04:50,240

the practice countdowns the payloads

104

00:04:53,749 --> 00:04:51,840

moving in and out so that's where the

105

00:04:55,430 --> 00:04:53,759

real work is on launch day it's almost

106

00:04:56,070 --> 00:04:55,440

the fun part because everybody comes

107

00:04:58,550 --> 00:04:56,080

together

108

00:05:00,469 --> 00:04:58,560

to make sure this thing gets off safely

109

00:05:02,870 --> 00:05:00,479

or we wait another day

110

00:05:04,469 --> 00:05:02,880

so on launch day for this launch i'm

111

00:05:05,909 --> 00:05:04,479

going to work in the radar position

112

00:05:07,590 --> 00:05:05,919

to make sure that we see where those

113

00:05:08,310 --> 00:05:07,600

echoes are the cumulus clouds we're

114

00:05:09,830 --> 00:05:08,320

expecting

115

00:05:12,230 --> 00:05:09,840

are not close enough to cause any

116

00:05:13,990 --> 00:05:12,240

concern for liftoff

117

00:05:16,550 --> 00:05:14,000

and i'll be the deputy jmo for this

118

00:05:18,870 --> 00:05:16,560

mission backseating our primary jmo

119

00:05:20,710 --> 00:05:18,880

colonel genegas as well as the rest of

120

00:05:21,830 --> 00:05:20,720

our team both down here and down at

121

00:05:23,990 --> 00:05:21,840

patrick

122

00:05:25,189 --> 00:05:24,000

coordinating directly with the debt 3

123

00:05:27,830 --> 00:05:25,199

team to make sure that

124

00:05:28,790 --> 00:05:27,840

the whole globe is good for launch what

125

00:05:31,830 --> 00:05:28,800

exactly does

126

00:05:32,390 --> 00:05:31,840

jmo mean so jmo is the joint me talk

127

00:05:34,629 --> 00:05:32,400

officer

128

00:05:35,510 --> 00:05:34,639

so right now we're working with 14

129

00:05:38,230 --> 00:05:35,520

different people

130

00:05:39,270 --> 00:05:38,240

around the world at units from hawaii

131

00:05:41,590 --> 00:05:39,280

through europe

132

00:05:43,590 --> 00:05:41,600

just to make sure that we have timely

133

00:05:45,670 --> 00:05:43,600

and accurate weather information

134

00:05:46,950 --> 00:05:45,680

in the case of something not happening

135

00:05:49,510 --> 00:05:46,960

perfect

136

00:05:51,590 --> 00:05:49,520

understood our next question did you

137

00:05:51,990 --> 00:05:51,600

guys always want to be a meteorologist

138

00:05:55,270 --> 00:05:52,000

growing

139

00:05:57,830 --> 00:05:55,280

up well i'll tell you i was always loved

140

00:05:59,830 --> 00:05:57,840

science i always was doing experiments

141

00:06:01,350 --> 00:05:59,840

and all the physical sciences

142

00:06:03,990 --> 00:06:01,360

but the air force told me i was going to

143

00:06:05,990 --> 00:06:04,000

be a weather guy so i'm really glad they

144

00:06:07,590 --> 00:06:06,000

picked that job for me because it's been

145

00:06:09,510 --> 00:06:07,600

very challenging and very interesting

146

00:06:10,950 --> 00:06:09,520

and of course i mean you can't get

147

00:06:13,270 --> 00:06:10,960

excited about this and i don't know what

148

00:06:14,710 --> 00:06:13,280

job you wouldn't have a good time on

149

00:06:16,710 --> 00:06:14,720

so i've always really wanted to be a

150

00:06:18,150 --> 00:06:16,720

meteorologist i grew up on a small farm

151
00:06:20,790 --> 00:06:18,160
in rural iowa

152
00:06:22,390 --> 00:06:20,800
and tornado hit my farm when i was young

153
00:06:22,950 --> 00:06:22,400
so that was kind of the defining moment

154
00:06:24,870 --> 00:06:22,960
for me

155
00:06:26,070 --> 00:06:24,880
i went to school got my bachelor's in

156
00:06:28,870 --> 00:06:26,080
weather and

157
00:06:30,309 --> 00:06:28,880
haven't looked back wow that's quite a

158
00:06:33,110 --> 00:06:30,319
back story

159
00:06:34,230 --> 00:06:33,120
our next question what's the most common

160
00:06:37,270 --> 00:06:34,240
weather concern

161
00:06:39,990 --> 00:06:37,280
for a launch well for here

162
00:06:41,670 --> 00:06:40,000
it is cumulus clouds we are the

163
00:06:43,270 --> 00:06:41,680

lightning capital of north america

164

00:06:45,510 --> 00:06:43,280

we may be number four or five in the

165

00:06:47,110 --> 00:06:45,520

world and it all happens within three or

166

00:06:48,710 --> 00:06:47,120

four month period from

167

00:06:51,189 --> 00:06:48,720

tampa to daytona and we're right on the

168

00:06:53,589 --> 00:06:51,199

edge of that so those cumulus clouds

169

00:06:55,029 --> 00:06:53,599

can pose a triggered lightning threat or

170

00:06:56,710 --> 00:06:55,039

a natural lightning threat if they grow

171

00:06:59,670 --> 00:06:56,720

tall enough become thunderstorms

172

00:07:00,150 --> 00:06:59,680

so that's our number one risk and even

173

00:07:04,309 --> 00:07:00,160

in

174

00:07:05,749 --> 00:07:04,319

concern you know that actually leads us

175

00:07:08,070 --> 00:07:05,759

up to our next question

176

00:07:09,909 --> 00:07:08,080

can a rocket launch while it's lightning

177

00:07:11,029 --> 00:07:09,919

i mean can it be struck by lightning and

178

00:07:15,830 --> 00:07:11,039

be okay

179

00:07:17,270 --> 00:07:15,840

risk apollo 12 was struck by lightning

180

00:07:19,350 --> 00:07:17,280

on liftoff

181

00:07:21,909 --> 00:07:19,360

it caused a lot of issues they were able

182

00:07:23,749 --> 00:07:21,919

to go to the moon and back safely

183

00:07:25,110 --> 00:07:23,759

but they weren't sure what was going to

184

00:07:28,309 --> 00:07:25,120

happen with the vehicle

185

00:07:29,430 --> 00:07:28,319

lightning is very unpredictable in what

186

00:07:31,350 --> 00:07:29,440

kind of damage it has

187

00:07:32,469 --> 00:07:31,360

every lightning strike is not the same

188

00:07:34,629 --> 00:07:32,479

some are stronger

189

00:07:35,510 --> 00:07:34,639

some cause electromagnetic pulse damages

190

00:07:37,110 --> 00:07:35,520

so there's all

191

00:07:39,510 --> 00:07:37,120

myriad of problems that could that can

192

00:07:41,830 --> 00:07:39,520

occur so we avoid lightning by 10

193

00:07:42,629 --> 00:07:41,840

nautical miles to make sure it's safe

194

00:07:44,309 --> 00:07:42,639

for liftoff

195

00:07:45,749 --> 00:07:44,319

because we can actually trigger a

196

00:07:47,510 --> 00:07:45,759

lightning strike the rocket

197

00:07:49,350 --> 00:07:47,520

can compress the electric field that's

198

00:07:51,110 --> 00:07:49,360

around us right now and can trigger its

199

00:07:52,950 --> 00:07:51,120

own strike so we stay off

200

00:07:54,390 --> 00:07:52,960

even further than it is safe for humans

201
00:07:56,950 --> 00:07:54,400
to be around

202
00:07:58,869 --> 00:07:56,960
so no lightning no lightning you

203
00:08:01,350 --> 00:07:58,879
wouldn't want to try it

204
00:08:02,950 --> 00:08:01,360
that sounds sounds like a good plan um

205
00:08:04,869 --> 00:08:02,960
we have another question

206
00:08:06,469 --> 00:08:04,879
is your team the one that calls a

207
00:08:07,589 --> 00:08:06,479
weather scrub in other words can you

208
00:08:10,950 --> 00:08:07,599
guys basically

209
00:08:12,070 --> 00:08:10,960
say no go to a launch well i'd like to

210
00:08:13,909 --> 00:08:12,080
put it this way

211
00:08:15,189 --> 00:08:13,919
we make sure we don't launch unless it's

212
00:08:17,350 --> 00:08:15,199
safe so

213
00:08:18,790 --> 00:08:17,360

that might result in a scrub but that's

214

00:08:19,029 --> 00:08:18,800

not the kind of way we want to look at

215

00:08:21,510 --> 00:08:19,039

it

216

00:08:23,029 --> 00:08:21,520

we kind of go into a countdown that

217

00:08:25,189 --> 00:08:23,039

everything is not safe

218

00:08:26,950 --> 00:08:25,199

until we can clear all of our 10 or 11

219

00:08:29,909 --> 00:08:26,960

rules to make sure we can launch

220

00:08:31,189 --> 00:08:29,919

safely so yes we make the go no go call

221

00:08:32,790 --> 00:08:31,199

but it's not that we're looking for a

222

00:08:34,949 --> 00:08:32,800

scrub we want to make sure the launch

223

00:08:38,149 --> 00:08:34,959

goes off safely

224

00:08:40,709 --> 00:08:38,159

oh that's pretty awesome

225

00:08:42,070 --> 00:08:40,719

we have our last question i think one of

226

00:08:45,110 --> 00:08:42,080

the most important ones

227

00:08:46,710 --> 00:08:45,120

where will you guys be on launch day

228

00:08:49,430 --> 00:08:46,720

well i'll be just across the river on

229

00:08:51,190 --> 00:08:49,440

the cape canaveral air force station

230

00:08:53,670 --> 00:08:51,200

working the radar booth to make sure i

231

00:08:53,990 --> 00:08:53,680

pass the good information to our launch

232

00:08:56,470 --> 00:08:54,000

weather

233

00:08:57,110 --> 00:08:56,480

officer orlina moses for this launch and

234

00:08:59,910 --> 00:08:57,120

we will

235

00:09:00,470 --> 00:08:59,920

launch with those cumulus clouds are too

236

00:09:02,710 --> 00:09:00,480

close

237

00:09:04,150 --> 00:09:02,720

captain walter i'll be at the same place

238

00:09:04,630 --> 00:09:04,160

uh we'll be doing a slightly different

239

00:09:06,790 --> 00:09:04,640

mission

240

00:09:08,630 --> 00:09:06,800

talking to debt three and the

241

00:09:09,990 --> 00:09:08,640

contingency piece

242

00:09:11,990 --> 00:09:10,000

similar forecast just making sure

243

00:09:13,910 --> 00:09:12,000

everything goes off without a hitch

244

00:09:15,990 --> 00:09:13,920

well happy launch you guys i really hope

245

00:09:18,550 --> 00:09:16,000

it lifts off thank you so much for

246

00:09:20,630 --> 00:09:18,560

joining us it was a pleasure having you

247

00:09:22,310 --> 00:09:20,640

now before we move on to our next guest

248

00:09:24,550 --> 00:09:22,320

we're going to show you a quick promo

249

00:09:25,430 --> 00:09:24,560

video for the crew one mission scheduled

250

00:09:29,030 --> 00:09:25,440

to lift off

251
00:09:29,509 --> 00:09:29,040
at 7 49 pm tomorrow we are super excited

252
00:09:32,470 --> 00:09:29,519
we hope

253
00:09:34,230 --> 00:09:32,480
you guys are too now without further ado

254
00:09:42,470 --> 00:09:34,240
here's that video

255
00:09:45,829 --> 00:09:44,630
rise is a new era of american space

256
00:09:47,590 --> 00:09:45,839
flight and with

257
00:09:49,350 --> 00:09:47,600
the ambitions of a new generation

258
00:09:51,110 --> 00:09:49,360
continuing the dream

259
00:09:52,470 --> 00:09:51,120
we're already counting down the days

260
00:09:54,389 --> 00:09:52,480
until group 1

261
00:09:56,150 --> 00:09:54,399
that'll be the first operational flight

262
00:09:58,710 --> 00:09:56,160
in a crew dragon spacecraft

263
00:09:59,509 --> 00:09:58,720

mike hopkins victor glover shannon

264

00:10:02,150 --> 00:09:59,519

walker and

265

00:10:02,790 --> 00:10:02,160

jaxa astronaut so ichiniguchi are to be

266

00:10:05,430 --> 00:10:02,800

the first

267

00:10:06,949 --> 00:10:05,440

multinational crew to fly in this new

268

00:10:09,110 --> 00:10:06,959

capable vehicle

269

00:10:10,790 --> 00:10:09,120

this mission marks the return of a full

270

00:10:11,829 --> 00:10:10,800

crew complement to the international

271

00:10:13,590 --> 00:10:11,839

space station

272

00:10:15,030 --> 00:10:13,600

and together they will celebrate the

273

00:10:17,590 --> 00:10:15,040

20th anniversary

274

00:10:28,790 --> 00:10:17,600

of continuous human efforts on board the

275

00:10:32,470 --> 00:10:30,870

hey you guys welcome back i hope you

276

00:10:34,230 --> 00:10:32,480

enjoyed that video and now i have

277

00:10:35,190 --> 00:10:34,240

another very special guest with me

278

00:10:37,509 --> 00:10:35,200

lieutenant

279

00:10:39,430 --> 00:10:37,519

colonel david mayhem from the debt three

280

00:10:42,470 --> 00:10:39,440

david can you tell me a little bit about

281

00:10:44,790 --> 00:10:42,480

what exactly is debt three yes tony so

282

00:10:46,470 --> 00:10:44,800

detachment three 45th operations group

283

00:10:47,030 --> 00:10:46,480

is the human space flight support office

284

00:10:48,710 --> 00:10:47,040

so

285

00:10:51,110 --> 00:10:48,720

best way to think about it is any type

286

00:10:51,590 --> 00:10:51,120

of dod support to nasa for manned space

287

00:10:54,710 --> 00:10:51,600

flight

288

00:10:55,990 --> 00:10:54,720

would run through our office wow so kind

289

00:10:57,829 --> 00:10:56,000

of an important job

290

00:11:00,069 --> 00:10:57,839

needless to say we already have our

291

00:11:00,630 --> 00:11:00,079

first question from nasa social they

292

00:11:02,550 --> 00:11:00,640

want to know

293

00:11:03,990 --> 00:11:02,560

how do you train for a human rescue

294

00:11:06,230 --> 00:11:04,000

mission

295

00:11:07,430 --> 00:11:06,240

so that that's a very big question on a

296

00:11:08,790 --> 00:11:07,440

global scale so

297

00:11:10,470 --> 00:11:08,800

i guess the best way to think about it

298

00:11:12,470 --> 00:11:10,480

as we prep for a mission

299

00:11:13,590 --> 00:11:12,480

uh guardian angel rescue forces are

300

00:11:13,990 --> 00:11:13,600

going to be brought into town they're

301
00:11:16,710 --> 00:11:14,000
going to go

302
00:11:19,030 --> 00:11:16,720
through training everything from using

303
00:11:20,870 --> 00:11:19,040
the equipment to getting to the capsule

304
00:11:23,030 --> 00:11:20,880
to extricating the astronauts from the

305
00:11:26,069 --> 00:11:23,040
capsule and then everything in between

306
00:11:27,829 --> 00:11:26,079
for the rescue side of it nice and what

307
00:11:29,750 --> 00:11:27,839
advice do you have for someone who wants

308
00:11:32,310 --> 00:11:29,760
your job

309
00:11:33,509 --> 00:11:32,320
okay so our unit is compiled of a bunch

310
00:11:35,269 --> 00:11:33,519
of different uh for

311
00:11:38,150 --> 00:11:35,279
survival specialists guardian angel

312
00:11:41,190 --> 00:11:38,160
rescue forces i'm a c-17 pilot

313
00:11:41,590 --> 00:11:41,200

we have hc-130 and hh-60 pilots so it's

314

00:11:46,949 --> 00:11:41,600

a

315

00:11:48,310 --> 00:11:46,959

something

316

00:11:50,230 --> 00:11:48,320

and then eventually you can find your

317

00:11:52,069 --> 00:11:50,240

way here doing this

318

00:11:53,990 --> 00:11:52,079

did you ever think you'd be doing this

319

00:11:55,990 --> 00:11:54,000

so ironically i grew up in titusville i

320

00:11:58,150 --> 00:11:56,000

went to ths and ucf so i watched

321

00:11:59,590 --> 00:11:58,160

all the shuttle missions nine

322

00:12:01,030 --> 00:11:59,600

assignments later and

323

00:12:03,190 --> 00:12:01,040

i wanted to come back here was always a

324

00:12:06,310 --> 00:12:03,200

dream and it ended up working out

325

00:12:08,949 --> 00:12:06,320

nice how many people are on your team so

326

00:12:11,350 --> 00:12:08,959

day to day we have about 35 people that

327

00:12:13,750 --> 00:12:11,360

support all three nasa programs and then

328

00:12:15,509 --> 00:12:13,760

once we actually stand up task force 45

329

00:12:16,949 --> 00:12:15,519

for the execution of the rescue mission

330

00:12:18,949 --> 00:12:16,959

we've actually got uh

331

00:12:20,790 --> 00:12:18,959

over a hundred people just here and then

332

00:12:23,190 --> 00:12:20,800

approximately 20 at charleston

333

00:12:25,910 --> 00:12:23,200

in south carolina and then also 20 and

334

00:12:29,750 --> 00:12:25,920

hickam in hawaii supporting the mission

335

00:12:31,509 --> 00:12:29,760

very big team needless to say uh so

336

00:12:32,870 --> 00:12:31,519

where exactly will you be on launch day

337

00:12:34,790 --> 00:12:32,880

what will be your role

338

00:12:36,230 --> 00:12:34,800

so my role on launch day is i'll be in

339

00:12:37,670 --> 00:12:36,240

our support operations center up at

340

00:12:40,310 --> 00:12:37,680

patrick and i'll be the uh

341

00:12:41,829 --> 00:12:40,320

the stock director so just the the hub

342

00:12:43,509 --> 00:12:41,839

of all the information coming in and

343

00:12:45,350 --> 00:12:43,519

then if there is an emergency

344

00:12:47,190 --> 00:12:45,360

uh we would execute from the operations

345

00:12:48,389 --> 00:12:47,200

center from there right so basically

346

00:12:49,670 --> 00:12:48,399

this is the job where

347

00:12:51,190 --> 00:12:49,680

you know you have to train and prepare

348

00:12:52,790 --> 00:12:51,200

for it but you don't want to actually

349

00:12:53,509 --> 00:12:52,800

have to go out there we don't want an

350

00:12:55,269 --> 00:12:53,519

emergency

351

00:12:56,870 --> 00:12:55,279

absolutely we're the insurance policy

352

00:12:58,710 --> 00:12:56,880

but our goal is that we stand up on

353

00:12:59,670 --> 00:12:58,720

alert we train the forces we're ready to

354

00:13:01,110 --> 00:12:59,680

support

355

00:13:02,870 --> 00:13:01,120

uh and then we don't do anything and

356

00:13:05,509 --> 00:13:02,880

then we stand down and go home got you

357

00:13:06,710 --> 00:13:05,519

insurance policy absolutely do you train

358

00:13:08,389 --> 00:13:06,720

with the astronauts

359

00:13:10,150 --> 00:13:08,399

so there are times during some of our

360

00:13:11,110 --> 00:13:10,160

developmental events that the crew will

361

00:13:13,110 --> 00:13:11,120

come down

362

00:13:14,470 --> 00:13:13,120

and we'll do uh events to where we help

363

00:13:15,110 --> 00:13:14,480

them assist city grass out of the

364

00:13:16,710 --> 00:13:15,120

capsule

365

00:13:18,629 --> 00:13:16,720

uh we work closely with nasa and the

366

00:13:21,350 --> 00:13:18,639

crew office uh to do our development on

367

00:13:23,030 --> 00:13:21,360

our training events gotcha and so what

368

00:13:24,790 --> 00:13:23,040

are you most excited then about this

369

00:13:26,150 --> 00:13:24,800

specific launch

370

00:13:27,509 --> 00:13:26,160

just honestly being a part of this

371

00:13:28,470 --> 00:13:27,519

mission being a part of history i know

372

00:13:30,870 --> 00:13:28,480

the whole team

373

00:13:31,750 --> 00:13:30,880

is super excited to be a part of the

374

00:13:33,829 --> 00:13:31,760

next mission for

375

00:13:35,030 --> 00:13:33,839

for spacex and for nasa and just to be

376

00:13:36,790 --> 00:13:35,040

ready to support

377

00:13:38,550 --> 00:13:36,800

and so then did you do the same thing

378

00:13:41,110 --> 00:13:38,560

for demo 2 when we sent

379

00:13:42,389 --> 00:13:41,120

to astronauts to the international space

380

00:13:44,069 --> 00:13:42,399

station last may

381

00:13:45,509 --> 00:13:44,079

absolutely the team stood up we had all

382

00:13:46,389 --> 00:13:45,519

the forces on alert at all the different

383

00:13:48,470 --> 00:13:46,399

locations

384

00:13:50,310 --> 00:13:48,480

and we were on call ready to go and

385

00:13:52,470 --> 00:13:50,320

people rotate through the positions uh

386

00:13:55,189 --> 00:13:52,480

for that particular mission

387

00:13:57,269 --> 00:13:55,199

wow so i guess what's your favorite part

388

00:13:58,949 --> 00:13:57,279

of the whole process

389

00:14:00,710 --> 00:13:58,959

you know it's nasa is one of those

390

00:14:02,949 --> 00:14:00,720

things you grew up watching it as a kid

391

00:14:04,230 --> 00:14:02,959

and all the science and the technology

392

00:14:06,069 --> 00:14:04,240

and working with all the professional

393

00:14:07,269 --> 00:14:06,079

people i'd say it's the people

394

00:14:09,269 --> 00:14:07,279

you get to interact with a lot of

395

00:14:10,629 --> 00:14:09,279

professionals rescue forces

396

00:14:12,550 --> 00:14:10,639

all the people the debt that we get to

397

00:14:15,829 --> 00:14:12,560

work with and across the globe and we've

398

00:14:19,269 --> 00:14:15,839

got rescue forces from the 38th the 58th

399

00:14:21,030 --> 00:14:19,279

c-17 folks from uh hickam from the guard

400

00:14:22,550 --> 00:14:21,040

and they're just all sorts of different

401

00:14:24,389 --> 00:14:22,560

locations that we get to work with so

402

00:14:26,150 --> 00:14:24,399

the people is the most interesting part

403

00:14:27,430 --> 00:14:26,160

well that's good to hear yeah at least

404

00:14:27,750 --> 00:14:27,440

everyone else watching this they'll know

405

00:14:31,030 --> 00:14:27,760

you

406

00:14:33,269 --> 00:14:31,040

like working with everyone um i guess

407

00:14:34,550 --> 00:14:33,279

is there anything you know you wish you

408

00:14:37,269 --> 00:14:34,560

could also do

409

00:14:38,949 --> 00:14:37,279

um or are you kind of already doing your

410

00:14:40,790 --> 00:14:38,959

dream job right now

411

00:14:42,389 --> 00:14:40,800

so i've been lucky enough to to do

412

00:14:43,269 --> 00:14:42,399

several different things both from

413

00:14:45,430 --> 00:14:43,279

flying and then

414

00:14:46,550 --> 00:14:45,440

from the nuclear weapons career field

415

00:14:48,949 --> 00:14:46,560

but i always wanted to be

416

00:14:50,629 --> 00:14:48,959

my when i joined the air force i wanted

417

00:14:51,829 --> 00:14:50,639

to go into the space career field and i

418

00:14:52,629 --> 00:14:51,839

had to do a couple of different things

419

00:14:54,310 --> 00:14:52,639

before that

420

00:14:55,670 --> 00:14:54,320

and so it's really amazing to be back to

421

00:14:57,269 --> 00:14:55,680

be a part of this

422

00:14:58,790 --> 00:14:57,279

did you ever think you'd be an astronaut

423

00:15:00,470 --> 00:14:58,800

did you ever want that

424

00:15:02,710 --> 00:15:00,480

you know that was definitely something

425

00:15:04,310 --> 00:15:02,720

that uh that i uh

426

00:15:05,910 --> 00:15:04,320

that i was interested in but i would

427

00:15:07,430 --> 00:15:05,920

tell you reading the resumes of most of

428

00:15:10,710 --> 00:15:07,440

those people it was uh

429

00:15:12,310 --> 00:15:10,720

yeah there's a lot of competition

430

00:15:14,389 --> 00:15:12,320

so i guess then if you got that

431

00:15:16,389 --> 00:15:14,399

opportunity if nasa came knocking on

432

00:15:17,509 --> 00:15:16,399

your door and was like hey david we want

433

00:15:19,189 --> 00:15:17,519

to take you up on the rocket

434

00:15:20,949 --> 00:15:19,199

you've got to go to space next would you

435

00:15:21,350 --> 00:15:20,959

say yes without even a hesitation oh

436

00:15:23,829 --> 00:15:21,360

really

437

00:15:25,350 --> 00:15:23,839

where would you first go where would i

438

00:15:27,509 --> 00:15:25,360

go yeah if you could like

439

00:15:29,110 --> 00:15:27,519

anywhere in space oh wow as far as

440

00:15:30,550 --> 00:15:29,120

possible okay

441

00:15:31,749 --> 00:15:30,560

well that's interesting i don't know if

442

00:15:33,110 --> 00:15:31,759

i could go as far as possible that

443

00:15:34,550 --> 00:15:33,120

sounds very cool as long as i got to

444

00:15:36,389 --> 00:15:34,560

come back my wife's watching she

445

00:15:38,870 --> 00:15:36,399

wouldn't be happy if i yeah

446

00:15:40,470 --> 00:15:38,880

that makes sense yeah i that's my one

447

00:15:42,310 --> 00:15:40,480

condition too i don't want to like

448

00:15:43,990 --> 00:15:42,320

live anywhere else but earth but i do

449

00:15:47,590 --> 00:15:44,000

want to travel right that would be

450

00:15:49,829 --> 00:15:47,600

amazing uh we have a question from

451
00:15:51,910 --> 00:15:49,839
ask nasa what part of this mission has

452
00:15:55,670 --> 00:15:51,920
the most meaning for you personally

453
00:15:57,749 --> 00:15:55,680
historically just all around i would say

454
00:16:00,389 --> 00:15:57,759
the rescue aspect of it i mean

455
00:16:02,150 --> 00:16:00,399
historically

456
00:16:04,470 --> 00:16:02,160
space launch is dangerous and things do

457
00:16:05,189 --> 00:16:04,480
go wrong so just getting to be a part of

458
00:16:06,790 --> 00:16:05,199
the

459
00:16:08,629 --> 00:16:06,800
hoping to help if something actually

460
00:16:11,990 --> 00:16:08,639
goes wrong and being able to be there

461
00:16:13,829 --> 00:16:12,000
and hoping to make a bad day not so bad

462
00:16:15,350 --> 00:16:13,839
absolutely i mean like you said you guys

463
00:16:18,949 --> 00:16:15,360

are the insurance policy you

464

00:16:22,470 --> 00:16:18,959

are kind of the safety on the ground

465

00:16:25,269 --> 00:16:22,480

um probably not the right words but um

466

00:16:26,389 --> 00:16:25,279

basic that's amazing that's honestly a

467

00:16:28,470 --> 00:16:26,399

very very

468

00:16:30,629 --> 00:16:28,480

challenging and i think crucial role do

469

00:16:31,590 --> 00:16:30,639

you have any last remarks before we

470

00:16:32,629 --> 00:16:31,600

close out

471

00:16:34,629 --> 00:16:32,639

no the only thing i can say is

472

00:16:35,829 --> 00:16:34,639

detachment three task force 45 and all

473

00:16:37,509 --> 00:16:35,839

the forces that are supporting are

474

00:16:39,350 --> 00:16:37,519

extremely professional and we're very

475

00:16:41,430 --> 00:16:39,360

honored to be a part of the mission well

476

00:16:43,350 --> 00:16:41,440

thank you so much for all that you do

477

00:16:44,949 --> 00:16:43,360

thank you so much for joining us it was

478

00:16:48,150 --> 00:16:44,959

great having you david

479

00:16:52,790 --> 00:16:48,160

and i thank you everyone for tuning in

480

00:16:56,389 --> 00:16:54,550

thanks for getting all those questions

481

00:16:58,470 --> 00:16:56,399

answered for us

482

00:17:00,150 --> 00:16:58,480

excuse me i'm really excited to hear

483

00:17:02,310 --> 00:17:00,160

about how all these safety measures are

484

00:17:04,870 --> 00:17:02,320

helping to keep our astronauts safe

485

00:17:06,789 --> 00:17:04,880

because our next show at two o'clock

486

00:17:08,789 --> 00:17:06,799

have two of my favorite astronauts

487

00:17:10,470 --> 00:17:08,799

and we are going to have the same

488

00:17:11,510 --> 00:17:10,480

opportunity for you to ask those

489

00:17:13,669 --> 00:17:11,520

questions again

490

00:17:16,069 --> 00:17:13,679

so please join us at 2 o'clock for our