



1
00:00:15,760 --> 00:00:12,620
[Music]

2
00:00:27,050 --> 00:00:15,770
speed

3
00:00:29,870 --> 00:00:28,950
[Music]

4
00:00:36,320 --> 00:00:29,880
between countries

5
00:01:07,270 --> 00:00:58,220
[Music]

6
00:01:10,310 --> 00:01:08,710
well good morning and welcome back to

7
00:01:12,550 --> 00:01:10,320
the kennedy space center for this

8
00:01:14,870 --> 00:01:12,560
historic mission is we once again

9
00:01:17,830 --> 00:01:14,880
prepare to launch bob and doug from

10
00:01:20,230 --> 00:01:17,840
right out there on pad 39a on that

11
00:01:22,870 --> 00:01:20,240
falcon 9 and crew dragon

12
00:01:25,830 --> 00:01:22,880
truly an exciting time but hey where was

13
00:01:27,749 --> 00:01:25,840

this weather wednesday

14

00:01:29,190 --> 00:01:27,759

you know obviously it's a it's a

15

00:01:31,109 --> 00:01:29,200

challenge to compete with the weather

16

00:01:32,870 --> 00:01:31,119

here in florida in the summer but uh

17

00:01:35,190 --> 00:01:32,880

we're gonna do what's right

18

00:01:37,109 --> 00:01:35,200

so we're moving ahead and uh it sounds

19

00:01:39,190 --> 00:01:37,119

like we got about a 50 50 chance with

20

00:01:41,429 --> 00:01:39,200

the weather again tomorrow we'll see how

21

00:01:43,030 --> 00:01:41,439

it works out with that it's my privilege

22

00:01:47,109 --> 00:01:43,040

to introduce our administrator jim

23

00:01:51,910 --> 00:01:49,510

well thank you bob um yeah that that's

24

00:01:55,109 --> 00:01:51,920

that's right uh our highest priority is

25

00:01:57,670 --> 00:01:55,119

and always has been bob and doug and of

26
00:01:59,109 --> 00:01:57,680
course a couple of days ago we had we

27
00:02:00,709 --> 00:01:59,119
had too much electricity in the

28
00:02:02,149 --> 00:02:00,719
atmosphere

29
00:02:03,670 --> 00:02:02,159
and the challenge there is not that we

30
00:02:06,069 --> 00:02:03,680
were in a lightning storm or anything

31
00:02:08,630 --> 00:02:06,079
like that the challenge is that

32
00:02:10,389 --> 00:02:08,640
a launch could in fact trigger lightning

33
00:02:12,710 --> 00:02:10,399
uh in fact the rocket itself could

34
00:02:15,030 --> 00:02:12,720
become a lightning bolt and uh

35
00:02:17,110 --> 00:02:15,040
and so we we had this these parameters

36
00:02:19,270 --> 00:02:17,120
set ahead of time both the the nasa and

37
00:02:21,670 --> 00:02:19,280
the spacex teams

38
00:02:24,070 --> 00:02:21,680

knew exactly what the parameters were

39

00:02:25,589 --> 00:02:24,080

those parameters were limitations i

40

00:02:26,710 --> 00:02:25,599

should say those limitations were

41

00:02:27,430 --> 00:02:26,720

exceeded

42

00:02:30,869 --> 00:02:27,440

and

43

00:02:33,030 --> 00:02:30,879

the launch

44

00:02:34,869 --> 00:02:33,040

i think this is certain though we are

45

00:02:37,509 --> 00:02:34,879

going to launch american astronauts on

46

00:02:39,190 --> 00:02:37,519

american rockets from american soil

47

00:02:42,790 --> 00:02:39,200

and we will do it

48

00:02:46,229 --> 00:02:44,550

the absolute priority being the safety

49

00:02:48,229 --> 00:02:46,239

of our astronauts and i'll tell you i'm

50

00:02:50,630 --> 00:02:48,239

very proud of the nasa team

51
00:02:52,309 --> 00:02:50,640
very proud of the spacex team

52
00:02:53,990 --> 00:02:52,319
um you know a lot of the a lot of the

53
00:02:56,070 --> 00:02:54,000
comments i had in the interviews ahead

54
00:02:58,229 --> 00:02:56,080
of time were um

55
00:02:59,910 --> 00:02:58,239
are you gonna feel undue pressure

56
00:03:01,830 --> 00:02:59,920
because of

57
00:03:03,589 --> 00:03:01,840
you know the all of the attention on

58
00:03:05,990 --> 00:03:03,599
this not just attention in the united

59
00:03:07,990 --> 00:03:06,000
states but attention globally all of the

60
00:03:09,910 --> 00:03:08,000
vips that were here

61
00:03:11,110 --> 00:03:09,920
are you going to feel undue pressure to

62
00:03:13,190 --> 00:03:11,120
launch and

63
00:03:14,390 --> 00:03:13,200

you know we have all been in agreement

64

00:03:16,309 --> 00:03:14,400

that

65

00:03:18,550 --> 00:03:16,319

there will be no pressure we will launch

66

00:03:19,990 --> 00:03:18,560

when we are ready and i'll tell you the

67

00:03:22,869 --> 00:03:20,000

president and the vice president were

68

00:03:24,949 --> 00:03:22,879

proud of the nasa team and the spacex

69

00:03:27,589 --> 00:03:24,959

team for making the right call

70

00:03:30,309 --> 00:03:27,599

for the right reasons and

71

00:03:32,550 --> 00:03:30,319

and again when we do this again saturday

72

00:03:33,509 --> 00:03:32,560

if we do it again on sunday

73

00:03:35,589 --> 00:03:33,519

um

74

00:03:37,589 --> 00:03:35,599

we will feel no pressure we will go when

75

00:03:39,270 --> 00:03:37,599

we are ready safety is the highest

76

00:03:41,110 --> 00:03:39,280

priority and that's what we're focused

77

00:03:42,949 --> 00:03:41,120

on so with that we'll uh

78

00:03:44,470 --> 00:03:42,959

open it up to questions jim did you want

79

00:03:46,949 --> 00:03:44,480

to have a few words here

80

00:03:48,710 --> 00:03:46,959

you bet absolutely right jim moreheart

81

00:03:50,789 --> 00:03:48,720

deputy nasa administrator and i'll tell

82

00:03:52,789 --> 00:03:50,799

you he's a a great friend

83

00:03:55,750 --> 00:03:52,799

and we are honored to have him as our

84

00:03:56,949 --> 00:03:55,760

deputy um having worked many years in

85

00:03:59,030 --> 00:03:56,959

the senate

86

00:04:01,110 --> 00:03:59,040

he helps us a lot with the the political

87

00:04:04,070 --> 00:04:01,120

aspects of the job that that i deal with

88

00:04:05,270 --> 00:04:04,080

every day so thank you jim thank you tim

89

00:04:07,509 --> 00:04:05,280

good morning

90

00:04:08,630 --> 00:04:07,519

you know i just really want to start by

91

00:04:11,830 --> 00:04:08,640

saying

92

00:04:14,149 --> 00:04:11,840

you know we're at the dawn of a new age

93

00:04:16,310 --> 00:04:14,159

and we're really leading the beginning

94

00:04:17,189 --> 00:04:16,320

of a space revolution

95

00:04:19,189 --> 00:04:17,199

and

96

00:04:22,310 --> 00:04:19,199

think about it this is really something

97

00:04:23,909 --> 00:04:22,320

much bigger than all of us

98

00:04:26,310 --> 00:04:23,919

but really our hope and prayer for

99

00:04:27,990 --> 00:04:26,320

tomorrow is to inspire the next

100

00:04:29,749 --> 00:04:28,000

generation

101
00:04:32,469 --> 00:04:29,759
and to give hope

102
00:04:34,870 --> 00:04:32,479
for many people who need it right now

103
00:04:36,950 --> 00:04:34,880
and also to unite our country

104
00:04:40,070 --> 00:04:36,960
and the world

105
00:04:41,590 --> 00:04:40,080
and you think about

106
00:04:43,030 --> 00:04:41,600
i guess what i'm trying to say is we

107
00:04:45,110 --> 00:04:43,040
need your support

108
00:04:46,870 --> 00:04:45,120
and i hope you'll stay with us as we get

109
00:04:49,110 --> 00:04:46,880
this flight test

110
00:04:50,230 --> 00:04:49,120
whether it's tomorrow or the next day or

111
00:04:52,310 --> 00:04:50,240
whenever

112
00:04:54,230 --> 00:04:52,320
we go after that

113
00:04:57,270 --> 00:04:54,240

deke slayton once said he was a mercury

114

00:04:59,990 --> 00:04:57,280

seven astronaut and he said a good scrub

115

00:05:08,870 --> 00:05:00,000

is better than a bad launch any day

116

00:05:11,749 --> 00:05:10,390

questions we'll just go to go to

117

00:05:15,110 --> 00:05:11,759

questions

118

00:05:17,110 --> 00:05:15,120

hi um morning gym irene klotz yes

119

00:05:19,590 --> 00:05:17,120

aviation week um

120

00:05:21,749 --> 00:05:19,600

for you or for mr cabana um was there

121

00:05:23,590 --> 00:05:21,759

anything at all out of the first the

122

00:05:25,909 --> 00:05:23,600

countdown on um

123

00:05:28,070 --> 00:05:25,919

forgot what day already wednesday that

124

00:05:29,270 --> 00:05:28,080

is being changed tweaked anything the

125

00:05:31,510 --> 00:05:29,280

team's learned that's going to be

126

00:05:33,510 --> 00:05:31,520

applied for this and uh have a quick

127

00:05:34,390 --> 00:05:33,520

question for nicole

128

00:05:36,070 --> 00:05:34,400

the

129

00:05:38,070 --> 00:05:36,080

of course this isn't boeing's uh

130

00:05:39,909 --> 00:05:38,080

day-to-day but there's another we're

131

00:05:41,670 --> 00:05:39,919

going to do this all again in a in a

132

00:05:43,350 --> 00:05:41,680

little while can you just give us an

133

00:05:45,830 --> 00:05:43,360

update on where you are with your

134

00:05:48,629 --> 00:05:45,840

training for your flight thanks

135

00:05:50,469 --> 00:05:48,639

uh yeah so certainly um this was

136

00:05:52,550 --> 00:05:50,479

interesting we have done a dry dress

137

00:05:54,710 --> 00:05:52,560

rehearsal we have never done a wet dress

138

00:05:57,830 --> 00:05:54,720

rehearsal and so

139

00:06:00,070 --> 00:05:57,840

getting from a position of

140

00:06:00,950 --> 00:06:00,080

you know fueling the rockets

141

00:06:05,670 --> 00:06:00,960

and

142

00:06:07,830 --> 00:06:05,680

kind of things that we went through

143

00:06:09,110 --> 00:06:07,840

and then defueling and those so yes

144

00:06:13,430 --> 00:06:09,120

there were

145

00:06:15,270 --> 00:06:13,440

we're always gathering data

146

00:06:18,150 --> 00:06:15,280

but i will tell you the rocket was ready

147

00:06:20,550 --> 00:06:18,160

to go the crew capsule was ready to go

148

00:06:22,469 --> 00:06:20,560

all the ground systems we're working um

149

00:06:24,629 --> 00:06:22,479

according to plan

150

00:06:27,189 --> 00:06:24,639

so no i would say not a whole lot of no

151

00:06:30,070 --> 00:06:27,199

no big changes but uh

152

00:06:31,909 --> 00:06:30,080

it is good for the agency to have a wet

153

00:06:33,990 --> 00:06:31,919

dress rehearsal behind us so that's all

154

00:06:35,670 --> 00:06:34,000

very positive and

155

00:06:37,990 --> 00:06:35,680

every time we do

156

00:06:40,070 --> 00:06:38,000

one step further we learn things so

157

00:06:42,469 --> 00:06:40,080

that's that's good for the agency uh the

158

00:06:44,870 --> 00:06:42,479

second question was what for nicole

159

00:06:47,270 --> 00:06:44,880

about starliner

160

00:06:51,670 --> 00:06:49,510

thank you yes we are absolutely

161

00:06:53,589 --> 00:06:51,680

tremendously so proud of the nasa and

162

00:06:55,350 --> 00:06:53,599

spacex team and you know what we are

163

00:06:57,350 --> 00:06:55,360

calling this the beginning of flight

164

00:07:00,070 --> 00:06:57,360

test season and it really is what you're

165

00:07:02,469 --> 00:07:00,080

going to see is the historic launch of

166

00:07:04,950 --> 00:07:02,479

the nasa spacex crew dragon hopefully

167

00:07:06,469 --> 00:07:04,960

tomorrow or this weekend following that

168

00:07:08,629 --> 00:07:06,479

next year you're going to see the launch

169

00:07:09,909 --> 00:07:08,639

of boeing starliner and then right on

170

00:07:12,950 --> 00:07:09,919

the heels of that you're going to see

171

00:07:14,629 --> 00:07:12,960

the launch of orion on sls and so we've

172

00:07:16,870 --> 00:07:14,639

talked about the beginning this first

173

00:07:18,550 --> 00:07:16,880

step in this road map of us going to the

174

00:07:20,550 --> 00:07:18,560

moon in the artist mission there's going

175

00:07:22,230 --> 00:07:20,560

to be a lot of launches coming up from

176

00:07:24,309 --> 00:07:22,240

florida and there's going to be a lot of

177

00:07:28,830 --> 00:07:24,319

movement and it's starting with the

178

00:07:34,790 --> 00:07:32,550

launch morning eric von aiken wkmg-tv

179

00:07:36,070 --> 00:07:34,800

cbs orlando so nice to be here godspeed

180

00:07:37,029 --> 00:07:36,080

tomorrow thank you for taking our

181

00:07:39,670 --> 00:07:37,039

questions

182

00:07:41,110 --> 00:07:39,680

i want to ask you about the the 45th

183

00:07:43,510 --> 00:07:41,120

task force

184

00:07:45,589 --> 00:07:43,520

specifically as as you know america's

185

00:07:47,510 --> 00:07:45,599

best just down the coast from us at

186

00:07:50,790 --> 00:07:47,520

patrick air force base we met them are

187

00:07:52,150 --> 00:07:50,800

going to rescue bob and doug god forbid

188

00:07:54,150 --> 00:07:52,160

something goes wrong they end up in the

189

00:07:55,830 --> 00:07:54,160

water somewhere they showed us the

190

00:07:57,670 --> 00:07:55,840

equipment they've been training as you

191

00:07:59,430 --> 00:07:57,680

know for years in fact what they told us

192

00:08:02,550 --> 00:07:59,440

is they really started their training

193

00:08:04,390 --> 00:08:02,560

after the shuttle program ended in 2011.

194

00:08:06,710 --> 00:08:04,400

they're so excited they have this

195

00:08:08,070 --> 00:08:06,720

warehouse full of stuff 150 men and

196

00:08:08,869 --> 00:08:08,080

women

197

00:08:11,110 --> 00:08:08,879

and

198

00:08:13,189 --> 00:08:11,120

they only step in as you know if

199

00:08:14,710 --> 00:08:13,199

something goes wrong if not we're not

200

00:08:16,230 --> 00:08:14,720

going to see about them we're not going

201
00:08:18,070 --> 00:08:16,240
to hear about them

202
00:08:19,510 --> 00:08:18,080
they didn't say this but i sensed a

203
00:08:21,350 --> 00:08:19,520
little bit of

204
00:08:23,670 --> 00:08:21,360
sadness that that they're not going to

205
00:08:25,270 --> 00:08:23,680
get the glory when bob and doug finally

206
00:08:27,270 --> 00:08:25,280
do come home and we can welcome our

207
00:08:29,749 --> 00:08:27,280
heroes back right

208
00:08:31,270 --> 00:08:29,759
is there any way to give them

209
00:08:33,670 --> 00:08:31,280
some of the glory they know this is

210
00:08:35,350 --> 00:08:33,680
spacex's show we understand that

211
00:08:36,870 --> 00:08:35,360
is there any way to involve them a

212
00:08:38,550 --> 00:08:36,880
little bit considering

213
00:08:41,829 --> 00:08:38,560

what they're going to do

214

00:08:43,589 --> 00:08:41,839

and probably never be seen

215

00:08:45,829 --> 00:08:43,599

so i'll be happy to take that and of

216

00:08:48,070 --> 00:08:45,839

course i'll tell you bob cabana works

217

00:08:51,509 --> 00:08:48,080

with the 45th space wing day in and day

218

00:08:54,070 --> 00:08:51,519

out they are amazing partners for nasa

219

00:08:56,550 --> 00:08:54,080

um but yes the you know debt three which

220

00:08:58,949 --> 00:08:56,560

is part of the 45th space wing

221

00:09:00,949 --> 00:08:58,959

is the organization that um should

222

00:09:03,430 --> 00:09:00,959

something go wrong and the launch abort

223

00:09:05,269 --> 00:09:03,440

system is is triggered uh they will be

224

00:09:07,110 --> 00:09:05,279

rescuing bob and doug

225

00:09:09,190 --> 00:09:07,120

and they're also going to be involved in

226

00:09:11,590 --> 00:09:09,200

in recovery

227

00:09:14,150 --> 00:09:11,600

but even beyond that the 45th space wing

228

00:09:17,269 --> 00:09:14,160

does so so so much more than just

229

00:09:18,949 --> 00:09:17,279

recovery the 45th space wing is involved

230

00:09:20,310 --> 00:09:18,959

in helping us

231

00:09:22,389 --> 00:09:20,320

understand

232

00:09:26,150 --> 00:09:22,399

second by second what the weather is

233

00:09:28,070 --> 00:09:26,160

helping us with the data helping us with

234

00:09:29,350 --> 00:09:28,080

the numerical weather models for the

235

00:09:31,430 --> 00:09:29,360

weather

236

00:09:32,949 --> 00:09:31,440

they help us of course

237

00:09:34,470 --> 00:09:32,959

with the range

238

00:09:36,150 --> 00:09:34,480

making sure that we have everything we

239

00:09:38,470 --> 00:09:36,160

need for the range and clearance of the

240

00:09:39,269 --> 00:09:38,480

range this is their range

241

00:09:44,710 --> 00:09:39,279

and

242

00:09:51,590 --> 00:09:44,720

this

243

00:09:54,070 --> 00:09:51,600

nasa it's not launch spacex it's launch

244

00:09:56,630 --> 00:09:54,080

america this is america's launch and the

245

00:09:59,910 --> 00:09:56,640

interagency is critical to this effort

246

00:10:01,829 --> 00:09:59,920

and of course the the 45th space wing

247

00:10:03,750 --> 00:10:01,839

which is you know a new component of the

248

00:10:05,590 --> 00:10:03,760

brand new space force i want to

249

00:10:07,430 --> 00:10:05,600

reemphasize

250

00:10:09,350 --> 00:10:07,440

that that's that they are now part of

251

00:10:11,030 --> 00:10:09,360

the space force

252

00:10:12,470 --> 00:10:11,040

and emphasize that we have other

253

00:10:15,829 --> 00:10:12,480

partners as well

254

00:10:17,509 --> 00:10:15,839

the faa is very involved in this launch

255

00:10:20,790 --> 00:10:17,519

the department of transportation of

256

00:10:23,670 --> 00:10:20,800

course is is the parent of the faa so

257

00:10:25,910 --> 00:10:23,680

this is an all of america effort um and

258

00:10:28,389 --> 00:10:25,920

uh and when we launch it will be it will

259

00:10:30,470 --> 00:10:28,399

be launch america

260

00:10:32,150 --> 00:10:30,480

bob

261

00:10:34,550 --> 00:10:32,160

you know i just want to emphasize what

262

00:10:35,750 --> 00:10:34,560

the administrator said space flight is a

263

00:10:38,230 --> 00:10:35,760

team sport

264

00:10:39,750 --> 00:10:38,240

none of us are successful unless all of

265

00:10:41,910 --> 00:10:39,760

us are successful

266

00:10:44,550 --> 00:10:41,920

and uh i we couldn't have a better

267

00:10:48,310 --> 00:10:44,560

relationship than we do with the general

268

00:10:50,230 --> 00:10:48,320

doug chess and the 45th space wing

269

00:10:51,509 --> 00:10:50,240

we wouldn't be here without them

270

00:10:54,550 --> 00:10:51,519

everything that we have done working

271

00:10:57,350 --> 00:10:54,560

with the space wing working with the faa

272

00:10:59,350 --> 00:10:57,360

to improve our operations to enable

273

00:11:01,509 --> 00:10:59,360

commercial operations in a more

274

00:11:03,110 --> 00:11:01,519

user-friendly environment you know this

275

00:11:05,509 --> 00:11:03,120

has been years in the making getting us

276

00:11:07,829 --> 00:11:05,519

to where we are right now and uh you

277

00:11:09,350 --> 00:11:07,839

know it's not just the engineering team

278

00:11:11,110 --> 00:11:09,360

it's not just nasa it's not just a

279

00:11:12,949 --> 00:11:11,120

commercial crew program i mean this is

280

00:11:15,829 --> 00:11:12,959

across the board it's all of the support

281

00:11:17,590 --> 00:11:15,839

organizations within nasa and the air

282

00:11:19,670 --> 00:11:17,600

force that are helping make this a

283

00:11:22,069 --> 00:11:19,680

successful launch as the administrator

284

00:11:23,430 --> 00:11:22,079

said this is launch america this isn't

285

00:11:25,990 --> 00:11:23,440

just launch

286

00:11:27,990 --> 00:11:26,000

you know commercial crew so

287

00:11:30,069 --> 00:11:28,000

our whole nation needs to take pride in

288

00:11:32,630 --> 00:11:30,079

this and everybody has had a role to

289

00:11:34,550 --> 00:11:32,640

play you know they need to own this it's

290

00:11:36,630 --> 00:11:34,560

they they are part of it we wouldn't be

291

00:11:40,550 --> 00:11:36,640

here if everybody wasn't playing their

292

00:11:44,949 --> 00:11:41,910

administrator great to see you again

293

00:11:46,550 --> 00:11:44,959

this is gio benitez over at abc news uh

294

00:11:48,550 --> 00:11:46,560

obviously this is florida the weather

295

00:11:50,629 --> 00:11:48,560

can do whatever it wants to do but the

296

00:11:53,030 --> 00:11:50,639

forecasts aren't looking so great for

297

00:11:55,110 --> 00:11:53,040

tomorrow and for sunday so some of our

298

00:11:57,269 --> 00:11:55,120

viewers have been wondering why not wait

299

00:11:58,949 --> 00:11:57,279

till the weather is good why go through

300

00:12:00,949 --> 00:11:58,959

the whole process when you have

301

00:12:02,550 --> 00:12:00,959

lightning in the area and such

302

00:12:03,910 --> 00:12:02,560

yeah so we're balancing so many

303

00:12:05,350 --> 00:12:03,920

different things right now and that's an

304

00:12:06,629 --> 00:12:05,360

important question and i just want

305

00:12:08,389 --> 00:12:06,639

people to know

306

00:12:10,470 --> 00:12:08,399

that when we balance all of these things

307

00:12:12,870 --> 00:12:10,480

there is always

308

00:12:14,710 --> 00:12:12,880

always going to be uncertainty

309

00:12:16,150 --> 00:12:14,720

we could wait another week and we can

310

00:12:17,750 --> 00:12:16,160

see that the weather is going to be good

311

00:12:19,110 --> 00:12:17,760

the question is why is the weather good

312

00:12:21,670 --> 00:12:19,120

a week from now

313

00:12:22,710 --> 00:12:21,680

and the answer is well because the winds

314

00:12:25,750 --> 00:12:22,720

are going to be

315

00:12:28,470 --> 00:12:25,760

east to west and so all of the all of

316

00:12:30,069 --> 00:12:28,480

the the cumulonimbus clouds all of the

317

00:12:31,590 --> 00:12:30,079

the storm systems are going to be on the

318

00:12:33,030 --> 00:12:31,600

west coast of florida so the weather

319

00:12:34,470 --> 00:12:33,040

looks like it's going to be fantastic

320

00:12:36,310 --> 00:12:34,480

the problem is

321

00:12:37,430 --> 00:12:36,320

when the weather when the winds are east

322

00:12:39,590 --> 00:12:37,440

to west

323

00:12:41,350 --> 00:12:39,600

if we have a pad abort capability which

324

00:12:43,910 --> 00:12:41,360

we now have which we didn't have under

325

00:12:45,430 --> 00:12:43,920

the space shuttle if we have a pad abort

326

00:12:46,310 --> 00:12:45,440

triggered

327

00:12:48,310 --> 00:12:46,320

you know we're going to have our

328

00:12:50,949 --> 00:12:48,320

astronauts landing on land and that is

329

00:12:52,949 --> 00:12:50,959

that is not that is not an option for us

330

00:12:55,590 --> 00:12:52,959

so we're balancing a lot of things we're

331

00:12:58,629 --> 00:12:55,600

also balancing the time of day that we

332

00:13:01,190 --> 00:12:58,639

launch making sure that um we have to

333

00:13:02,949 --> 00:13:01,200

consider the sleep cycles of the crew to

334

00:13:06,069 --> 00:13:02,959

make sure that they're not you know in

335

00:13:07,670 --> 00:13:06,079

the midst of a a very critical um

336

00:13:09,509 --> 00:13:07,680

portion of the flight

337

00:13:11,990 --> 00:13:09,519

when they've been you know without sleep

338

00:13:13,829 --> 00:13:12,000

for a period of you know 24 hours and

339

00:13:15,670 --> 00:13:13,839

and that won't happen by the way because

340

00:13:17,269 --> 00:13:15,680

we're managing for that

341

00:13:18,949 --> 00:13:17,279

but it's not just the sleep cycles of

342

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

the crew it's also the sleep cycles on

343

00:13:22,790 --> 00:13:20,720

the international space station and all

344

00:13:24,389 --> 00:13:22,800

of these things that we're balancing

345

00:13:26,069 --> 00:13:24,399

have to match so

346

00:13:28,470 --> 00:13:26,079

we we have these very unique

347

00:13:30,069 --> 00:13:28,480

opportunities of time it's interesting

348

00:13:32,389 --> 00:13:30,079

when you talk about launching to the

349

00:13:34,949 --> 00:13:32,399

international space station your launch

350

00:13:36,949 --> 00:13:34,959

window is not a window at all it's

351

00:13:38,150 --> 00:13:36,959

instantaneous and if you don't need it

352

00:13:41,350 --> 00:13:38,160

you don't go

353

00:13:43,829 --> 00:13:41,360

so you have to have all of these things

354

00:13:46,069 --> 00:13:43,839

met you know ahead of time and then you

355

00:13:47,750 --> 00:13:46,079

select the window and if the weather is

356

00:13:50,150 --> 00:13:47,760

good you go if the weather is not good

357

00:13:52,069 --> 00:13:50,160

you don't go and then so we do have

358

00:13:55,030 --> 00:13:52,079

these different opportunities in the

359

00:13:56,550 --> 00:13:55,040

coming week and weeks ahead but it's

360

00:13:58,310 --> 00:13:56,560

important to note

361

00:14:00,870 --> 00:13:58,320

and bob just said this in a meeting we

362

00:14:03,590 --> 00:14:00,880

had earlier we cannot forget

363

00:14:08,310 --> 00:14:03,600

this is a test flight

364

00:14:09,590 --> 00:14:08,320

we're not in normal operations we are

365

00:14:11,590 --> 00:14:09,600

learning

366

00:14:14,470 --> 00:14:11,600

everything we're doing right now as an

367

00:14:17,030 --> 00:14:14,480

institution is about learning

368

00:14:18,069 --> 00:14:17,040

and and as we as we get ready for this

369

00:14:19,509 --> 00:14:18,079

launch

370

00:14:22,470 --> 00:14:19,519

we want to make sure that we have

371

00:14:24,550 --> 00:14:22,480

everything as safe as possible again

372

00:14:26,870 --> 00:14:24,560

can't say it enough bob and doug are our

373

00:14:29,829 --> 00:14:26,880

highest priority this is a test flight

374

00:14:32,310 --> 00:14:29,839

and and we will go when when everything

375

00:14:35,750 --> 00:14:32,320

is is as safe as we can possibly make it

376

00:14:39,430 --> 00:14:37,430

good morning this is marcia dunna the

377

00:14:41,030 --> 00:14:39,440

associated press

378

00:14:42,870 --> 00:14:41,040

i'd like the two active astronauts

379

00:14:44,790 --> 00:14:42,880

perhaps to answer this

380

00:14:46,230 --> 00:14:44,800

this is being described as a revolution

381

00:14:50,310 --> 00:14:46,240

a new dawn

382

00:14:52,310 --> 00:14:50,320

and i'd like you to tell me what your

383

00:14:54,870 --> 00:14:52,320

image of the future is going to look

384

00:14:57,509 --> 00:14:54,880

like in your lifetimes i mean is it too

385

00:15:00,949 --> 00:14:57,519

much to hope for judson's tony stark

386

00:15:03,189 --> 00:15:00,959

iron man i mean realistically um what do

387

00:15:08,069 --> 00:15:03,199

you want to leave people with in what's

388

00:15:10,790 --> 00:15:09,430

thank you thank you so much for that

389

00:15:14,710 --> 00:15:10,800

question you know i'm still waiting for

390

00:15:19,910 --> 00:15:17,430

the future is incredibly exciting um

391

00:15:22,790 --> 00:15:19,920

it's been said many times already that

392

00:15:24,550 --> 00:15:22,800

that we are really at the cusp of

393

00:15:26,629 --> 00:15:24,560

the next generation of space flight and

394

00:15:27,670 --> 00:15:26,639

that is so true what we're going to

395

00:15:30,150 --> 00:15:27,680

witness

396

00:15:32,949 --> 00:15:30,160

in the near future hopefully tomorrow

397

00:15:34,550 --> 00:15:32,959

is the culmination of that relationship

398

00:15:36,710 --> 00:15:34,560

between a government and a commercial

399

00:15:38,629 --> 00:15:36,720

entity that's helping us to get to low

400

00:15:39,990 --> 00:15:38,639

earth orbit and

401
00:15:42,389 --> 00:15:40,000
to get to the international space

402
00:15:45,509 --> 00:15:42,399
station my vision for the future is that

403
00:15:48,230 --> 00:15:47,189
that that next generation of space

404
00:15:50,629 --> 00:15:48,240
flight

405
00:15:53,030 --> 00:15:50,639
i look forward to seeing artemis take

406
00:15:54,550 --> 00:15:53,040
the first woman and the next man to the

407
00:15:56,949 --> 00:15:54,560
lunar surface

408
00:15:59,110 --> 00:15:56,959
for a permanent habitat where we'll be

409
00:16:01,590 --> 00:15:59,120
doing research

410
00:16:03,269 --> 00:16:01,600
and science and exploration on the moon

411
00:16:05,749 --> 00:16:03,279
and that will serve them as a launching

412
00:16:08,710 --> 00:16:05,759
pad to get us to mars and i think that

413
00:16:11,910 --> 00:16:08,720

that is doable within my lifetime and

414

00:16:13,829 --> 00:16:11,920

i'm so excited about this launch because

415

00:16:15,829 --> 00:16:13,839

i remember when i was in second grade

416

00:16:17,829 --> 00:16:15,839

watching the space shuttle launch

417

00:16:20,470 --> 00:16:17,839

teacher wheeled a television into our

418

00:16:22,389 --> 00:16:20,480

classroom and that inspired me to

419

00:16:25,189 --> 00:16:22,399

recognize that this job

420

00:16:26,069 --> 00:16:25,199

of exploration was a possibility for me

421

00:16:27,829 --> 00:16:26,079

and

422

00:16:31,110 --> 00:16:27,839

tomorrow's launch is going to do that

423

00:16:33,990 --> 00:16:31,120

for our next generation of scientists

424

00:16:35,749 --> 00:16:34,000

explorers and astronauts and it's that

425

00:16:37,350 --> 00:16:35,759

generation that's going to take us to

426

00:16:42,870 --> 00:16:37,360

the moon and to them and to mars and

427

00:16:48,150 --> 00:16:45,670

thank you so much so i think what i look

428

00:16:50,710 --> 00:16:48,160

forward to is a vision where the younger

429

00:16:51,509 --> 00:16:50,720

generation sees no limitations in their

430

00:16:53,350 --> 00:16:51,519

life

431

00:16:55,030 --> 00:16:53,360

whether that be because of their their

432

00:16:57,269 --> 00:16:55,040

gender or their orientation or their

433

00:17:00,470 --> 00:16:57,279

nationality or anything they just see

434

00:17:02,389 --> 00:17:00,480

possibilities and so what this allows

435

00:17:04,230 --> 00:17:02,399

this partnership between the public and

436

00:17:05,750 --> 00:17:04,240

private and the commercialization of low

437

00:17:08,069 --> 00:17:05,760

earth orbit is you'll see these

438

00:17:09,750 --> 00:17:08,079

opportunities open up in the future and

439

00:17:12,069 --> 00:17:09,760

i vision that opportunity where it's not

440

00:17:14,710 --> 00:17:12,079

just astronauts not just government

441

00:17:17,270 --> 00:17:14,720

folks that are going to low earth orbit

442

00:17:19,510 --> 00:17:17,280

but there are other folks there are

443

00:17:21,189 --> 00:17:19,520

scientists and doctors they're poets

444

00:17:22,470 --> 00:17:21,199

they're reporters i mean imagine if you

445

00:17:24,630 --> 00:17:22,480

were up there and you were able to

446

00:17:26,949 --> 00:17:24,640

capture with your own eyes and write

447

00:17:29,350 --> 00:17:26,959

this incredible story you could convey

448

00:17:30,230 --> 00:17:29,360

that to all of america to all of the

449

00:17:31,990 --> 00:17:30,240

world

450

00:17:33,190 --> 00:17:32,000

much better than we could could tell our

451

00:17:35,430 --> 00:17:33,200

story to you

452

00:17:37,909 --> 00:17:35,440

so i see this as a real possibility i

453

00:17:39,430 --> 00:17:37,919

think that this word unbelievable

454

00:17:41,350 --> 00:17:39,440

perhaps shall be stricken from the

455

00:17:42,950 --> 00:17:41,360

dictionary because you see a launch and

456

00:17:44,710 --> 00:17:42,960

you go oh my gosh that's unbelievable

457

00:17:47,029 --> 00:17:44,720

but it's it's not it's believable we're

458

00:17:50,230 --> 00:17:47,039

watching it it's happening this change

459

00:17:52,230 --> 00:17:50,240

is making place this step is happening

460

00:17:54,470 --> 00:17:52,240

you're going to see low earth orbit open

461

00:17:55,909 --> 00:17:54,480

up you're going to see us go to the moon

462

00:17:57,990 --> 00:17:55,919

you're going to see artemis you're going

463

00:18:03,029 --> 00:17:58,000

to see a man and a woman on the moon and

464

00:18:07,750 --> 00:18:05,350

hey uh joey roulette with reuters um

465

00:18:09,590 --> 00:18:07,760

question for jim bridenstine um have you

466

00:18:10,950 --> 00:18:09,600

talked to bob and doug since they uh

467

00:18:12,950 --> 00:18:10,960

since the mission was scrubbed how are

468

00:18:15,510 --> 00:18:12,960

they doing are they eager to go to the

469

00:18:17,110 --> 00:18:15,520

station and um have you come any closer

470

00:18:19,029 --> 00:18:17,120

to a decision on how long bob and doug

471

00:18:21,510 --> 00:18:19,039

will be staying on the iss since we seem

472

00:18:22,950 --> 00:18:21,520

to have locked down the august 30th date

473

00:18:24,870 --> 00:18:22,960

for their next crude mission or for

474

00:18:27,029 --> 00:18:24,880

spacex's next crude mission thanks yeah

475

00:18:29,029 --> 00:18:27,039

so we have to remember that number one

476

00:18:30,789 --> 00:18:29,039

this is a test flight and what we learn

477

00:18:32,870 --> 00:18:30,799

on this flight will determine what we do

478

00:18:34,470 --> 00:18:32,880

for crew one so

479

00:18:36,950 --> 00:18:34,480

yes we're targeting at eight of august

480

00:18:39,350 --> 00:18:36,960

thirtieth i know you use the word locked

481

00:18:41,270 --> 00:18:39,360

down and nothing is locked down before

482

00:18:43,110 --> 00:18:41,280

you do a test flight so

483

00:18:45,270 --> 00:18:43,120

we're going to do this test flight bob

484

00:18:46,950 --> 00:18:45,280

and doug are in great spirits they are

485

00:18:49,590 --> 00:18:46,960

ready to go

486

00:18:52,630 --> 00:18:49,600

and certainly

487

00:18:54,310 --> 00:18:52,640

we've been in touch via via text

488

00:18:56,950 --> 00:18:54,320

and of course i'll be i'll be talking to

489

00:18:59,430 --> 00:18:56,960

them before they launch again so before

490

00:19:03,190 --> 00:18:59,440

they get ready to launch again so

491

00:19:07,430 --> 00:19:05,909

hi stephen clark from space flight now a

492

00:19:08,870 --> 00:19:07,440

question maybe for one of the astronauts

493

00:19:10,470 --> 00:19:08,880

gel or nicole

494

00:19:12,390 --> 00:19:10,480

have you had a chance to talk to bob and

495

00:19:13,590 --> 00:19:12,400

doug as well i just wanted to see if you

496

00:19:15,590 --> 00:19:13,600

have any more insights about their

497

00:19:17,350 --> 00:19:15,600

experience on wednesday getting on top

498

00:19:19,270 --> 00:19:17,360

of a rocket having you know propellant

499

00:19:20,710 --> 00:19:19,280

loaded into it for the first time there

500

00:19:22,150 --> 00:19:20,720

was a lot of discussion about the risk

501
00:19:23,669 --> 00:19:22,160
involved with that

502
00:19:24,870 --> 00:19:23,679
with a load and go fueling procedure

503
00:19:26,549 --> 00:19:24,880
just want to get their perspective and

504
00:19:28,710 --> 00:19:26,559
your perspective on that and for

505
00:19:30,150 --> 00:19:28,720
administrator breinstein uh just to

506
00:19:32,310 --> 00:19:30,160
update on

507
00:19:35,029 --> 00:19:32,320
boeing's schedule right now if you have

508
00:19:36,710 --> 00:19:35,039
an update on when their second of

509
00:19:38,070 --> 00:19:36,720
flight test will occur

510
00:19:41,909 --> 00:19:38,080
and when their crew flight test might

511
00:19:45,830 --> 00:19:43,990
so i was fortunate enough to talk to

512
00:19:48,310 --> 00:19:45,840
doug hurley the night before their first

513
00:19:49,590 --> 00:19:48,320

launch attempt and uh and you know i

514

00:19:52,150 --> 00:19:49,600

think he gave me a call because i'll be

515

00:19:53,430 --> 00:19:52,160

the next marine flying and and he wanted

516

00:19:55,110 --> 00:19:53,440

to give me a little bit maybe a

517

00:19:56,630 --> 00:19:55,120

fatherhood and so we talked about the

518

00:19:58,070 --> 00:19:56,640

weather and i asked him you know how

519

00:19:59,270 --> 00:19:58,080

does that feel well how would it feel

520

00:20:01,590 --> 00:19:59,280

like to scrub you know do you have

521

00:20:03,190 --> 00:20:01,600

concerns and uh and he didn't he

522

00:20:05,270 --> 00:20:03,200

mentioned that when the first time he

523

00:20:07,590 --> 00:20:05,280

flew on shuttle he scrubbed like five or

524

00:20:09,029 --> 00:20:07,600

six times before they actually launched

525

00:20:10,870 --> 00:20:09,039

and so he said you just have to keep in

526

00:20:12,710 --> 00:20:10,880

mind that you need to remain flexible

527

00:20:14,149 --> 00:20:12,720

right and that calls are going to be

528

00:20:15,909 --> 00:20:14,159

made and decisions are made and you know

529

00:20:17,830 --> 00:20:15,919

everybody is out there

530

00:20:19,750 --> 00:20:17,840

keeping you safe and making sure that

531

00:20:21,990 --> 00:20:19,760

we're going to have a successful mission

532

00:20:24,310 --> 00:20:22,000

and so i thought that was a really good

533

00:20:25,830 --> 00:20:24,320

you know key for really applicable to

534

00:20:27,909 --> 00:20:25,840

the rest of life like there's plenty of

535

00:20:29,830 --> 00:20:27,919

things in life that you can't control

536

00:20:31,990 --> 00:20:29,840

whether being one of them and you just

537

00:20:34,390 --> 00:20:32,000

need to remain flexible not waste any

538

00:20:36,630 --> 00:20:34,400

energy on those things you can't control

539

00:20:38,070 --> 00:20:36,640

and then do what you need to do prepare

540

00:20:39,750 --> 00:20:38,080

and then when it's time for the next

541

00:20:44,870 --> 00:20:39,760

launch opportunity you know you're ready

542

00:20:49,430 --> 00:20:47,830

as far as a replay of oft-1 we're

543

00:20:51,990 --> 00:20:49,440

targeting by the end of the year i think

544

00:20:54,230 --> 00:20:52,000

that's eminently achievable

545

00:21:00,549 --> 00:20:54,240

i would say for their first launch of

546

00:21:04,470 --> 00:21:02,549

this is a daniel oberhaus with wired

547

00:21:06,549 --> 00:21:04,480

magazine uh this is a question for the

548

00:21:07,669 --> 00:21:06,559

administrator um i know we're all not

549

00:21:09,750 --> 00:21:07,679

hoping for another scrub this weekend

550

00:21:10,789 --> 00:21:09,760

but given that things aren't uh looking

551
00:21:11,750 --> 00:21:10,799
so great right now i was hoping you

552
00:21:13,430 --> 00:21:11,760
could tell us a little bit about the

553
00:21:14,630 --> 00:21:13,440
precautions that nasa takes you know i

554
00:21:16,789 --> 00:21:14,640
would imagine you have to shut down the

555
00:21:19,270 --> 00:21:16,799
range bump stuff back so can you tell us

556
00:21:20,549 --> 00:21:19,280
about that and also the costs per scrub

557
00:21:21,909 --> 00:21:20,559
for nasa

558
00:21:23,510 --> 00:21:21,919
yeah that's a that's an important

559
00:21:25,990 --> 00:21:23,520
question um

560
00:21:27,110 --> 00:21:26,000
a couple of things uh that work we have

561
00:21:28,710 --> 00:21:27,120
to consider

562
00:21:30,470 --> 00:21:28,720
when when we make these kind of

563
00:21:31,830 --> 00:21:30,480

decisions number one we don't consider

564

00:21:36,310 --> 00:21:31,840

cost

565

00:21:37,830 --> 00:21:36,320

lives of bob and doug we will do

566

00:21:40,230 --> 00:21:37,840

whatever it takes to make sure that they

567

00:21:42,230 --> 00:21:40,240

are safe

568

00:21:43,990 --> 00:21:42,240

but with for example right now we're

569

00:21:46,630 --> 00:21:44,000

going through a process thinking okay

570

00:21:48,070 --> 00:21:46,640

tomorrow it's about a fifty percent

571

00:21:50,950 --> 00:21:48,080

probability that we're going to have the

572

00:21:52,549 --> 00:21:50,960

conditions capable of launching

573

00:21:54,950 --> 00:21:52,559

at the time of launch

574

00:21:56,870 --> 00:21:54,960

here at the cape

575

00:21:58,789 --> 00:21:56,880

and of course when you add in the

576

00:22:01,270 --> 00:21:58,799

uncertainty downrange because we have a

577

00:22:02,310 --> 00:22:01,280

launch abort capability

578

00:22:05,750 --> 00:22:02,320

we have to have the right weather

579

00:22:07,510 --> 00:22:05,760

conditions downrange at the same time

580

00:22:10,830 --> 00:22:07,520

and so

581

00:22:13,430 --> 00:22:10,840

the question is if we have a 50 percent

582

00:22:16,149 --> 00:22:13,440

probability uh and then the next

583

00:22:17,669 --> 00:22:16,159

opportunity is on sunday

584

00:22:19,669 --> 00:22:17,679

we could put ourselves in a position

585

00:22:20,950 --> 00:22:19,679

where we're doing back-to-back wet dress

586

00:22:22,789 --> 00:22:20,960

rehearsals

587

00:22:23,750 --> 00:22:22,799

saturday and sunday and and the thing

588

00:22:25,590 --> 00:22:23,760

that we have we have to start

589

00:22:27,750 --> 00:22:25,600

considering the human factors of that

590

00:22:29,669 --> 00:22:27,760

the human factors end up

591

00:22:31,830 --> 00:22:29,679

adding some risk as well because it

592

00:22:35,190 --> 00:22:31,840

wears everybody out including our

593

00:22:36,630 --> 00:22:35,200

astronauts although they never complain

594

00:22:38,789 --> 00:22:36,640

we want to make sure that everybody is

595

00:22:40,870 --> 00:22:38,799

well rested and ready to go so one of

596

00:22:42,549 --> 00:22:40,880

the things that we might do

597

00:22:43,990 --> 00:22:42,559

even today this afternoon we're going to

598

00:22:45,750 --> 00:22:44,000

get another weather brief and we might

599

00:22:47,830 --> 00:22:45,760

make a decision that sunday is the day

600

00:22:49,590 --> 00:22:47,840

not saturday that way

601
00:22:51,669 --> 00:22:49,600
and again it's going to depend on the

602
00:22:53,430 --> 00:22:51,679
what what are everything is a range of

603
00:22:54,950 --> 00:22:53,440
probabilities what are the probabilities

604
00:22:55,990 --> 00:22:54,960
on saturday and the probabilities on

605
00:22:57,590 --> 00:22:56,000
sunday

606
00:22:59,830 --> 00:22:57,600
um and if the if it's a high enough

607
00:23:01,669 --> 00:22:59,840
probability on saturday we we we target

608
00:23:03,190 --> 00:23:01,679
that day so we're looking at all of

609
00:23:04,149 --> 00:23:03,200
these different options that we have to

610
00:23:05,750 --> 00:23:04,159
consider

611
00:23:08,230 --> 00:23:05,760
earlier i mentioned you know that we

612
00:23:10,390 --> 00:23:08,240
have to consider sleep cycles so we want

613
00:23:13,909 --> 00:23:10,400

to launch at a time where our crew you

614

00:23:15,669 --> 00:23:13,919

know if there if if the time to orbit

615

00:23:17,430 --> 00:23:15,679

is 15 to

616

00:23:19,510 --> 00:23:17,440

20 hours that's kind of in the sweet

617

00:23:21,669 --> 00:23:19,520

spot because then they can get on orbit

618

00:23:23,029 --> 00:23:21,679

they can get some rest

619

00:23:24,789 --> 00:23:23,039

and then they can dock to the

620

00:23:26,870 --> 00:23:24,799

international space station and so

621

00:23:27,750 --> 00:23:26,880

getting that right is is important as

622

00:23:30,630 --> 00:23:27,760

well

623

00:23:33,029 --> 00:23:30,640

when we talk about their sleep cycles

624

00:23:35,270 --> 00:23:33,039

depending on the day we launch and the

625

00:23:37,909 --> 00:23:35,280

time we launch you know we've got we've

626
00:23:40,070 --> 00:23:37,919
got phase burns and we've got boost

627
00:23:41,750 --> 00:23:40,080
burns that we have to get accomplished

628
00:23:43,269 --> 00:23:41,760
and of course if those are in the middle

629
00:23:44,950 --> 00:23:43,279
of the times when the astronauts are

630
00:23:47,269 --> 00:23:44,960
trying to catch some sleep

631
00:23:49,750 --> 00:23:47,279
then that's not optimum either so

632
00:23:50,950 --> 00:23:49,760
um so yes we're having to balance all of

633
00:23:53,029 --> 00:23:50,960
these things

634
00:23:55,510 --> 00:23:53,039
there is costs associated with the delay

635
00:23:57,669 --> 00:23:55,520
make no mistake there is cost we we load

636
00:24:00,070 --> 00:23:57,679
the rocket with liquid oxygen we unload

637
00:24:01,669 --> 00:24:00,080
the rocket with liquid oxygen we've got

638
00:24:02,710 --> 00:24:01,679

all of these people here at the cape

639

00:24:04,149 --> 00:24:02,720

that are

640

00:24:05,750 --> 00:24:04,159

focused on getting the mission

641

00:24:08,310 --> 00:24:05,760

accomplished there is absolutely costs

642

00:24:10,549 --> 00:24:08,320

associated as far as like the

643

00:24:12,149 --> 00:24:10,559

the total dollar amount given all of the

644

00:24:14,789 --> 00:24:12,159

things that we do i i don't have that

645

00:24:17,190 --> 00:24:14,799

number just handily handy right now

646

00:24:19,029 --> 00:24:17,200

but there is costs associated but again

647

00:24:20,789 --> 00:24:19,039

compared to the investment that took us

648

00:24:22,470 --> 00:24:20,799

to get to this point those costs are

649

00:24:23,350 --> 00:24:22,480

really really minimal

650

00:24:26,230 --> 00:24:23,360

and

651
00:24:28,310 --> 00:24:26,240
doug we

652
00:24:30,390 --> 00:24:28,320
we are not worried about that remember

653
00:24:31,510 --> 00:24:30,400
this is a test flight we need to make

654
00:24:33,430 --> 00:24:31,520
sure that

655
00:24:35,830 --> 00:24:33,440
we are maximizing the opportunity for

656
00:24:37,110 --> 00:24:35,840
success and that's what we're focused on

657
00:24:38,310 --> 00:24:37,120
just briefly do you have a ballpark

658
00:24:39,990 --> 00:24:38,320
figures are we talking like hundreds of

659
00:24:44,789 --> 00:24:40,000
thousands millions of dollars we'll get

660
00:24:50,149 --> 00:24:48,070
hi this is michael sheets i'm with cnbc

661
00:24:52,470 --> 00:24:50,159
my question is for jim and bob can

662
00:24:54,310 --> 00:24:52,480
probably help uh add a little color here

663
00:24:55,909 --> 00:24:54,320

jim you've asked people to stay home for

664

00:24:57,750 --> 00:24:55,919

this mission given you know we're all

665

00:25:00,789 --> 00:24:57,760

marrying mass we're all social

666

00:25:04,310 --> 00:25:00,799

distancing here on site but the visitor

667

00:25:06,470 --> 00:25:04,320

complex reopened the day after the scrub

668

00:25:08,310 --> 00:25:06,480

so this launch attempt is going to see

669

00:25:09,190 --> 00:25:08,320

people be able to come to the visitor

670

00:25:11,590 --> 00:25:09,200

center

671

00:25:12,870 --> 00:25:11,600

and as well as it's it's the weekend

672

00:25:14,630 --> 00:25:12,880

people don't have to take off work if

673

00:25:16,310 --> 00:25:14,640

they want to come try to watch the first

674

00:25:19,909 --> 00:25:16,320

time we've launched crew in almost a

675

00:25:21,669 --> 00:25:19,919

decade so what kind of measures is nasa

676

00:25:23,909 --> 00:25:21,679

taking that's different than we saw on

677

00:25:26,310 --> 00:25:23,919

launch day on wednesday and what kind of

678

00:25:28,870 --> 00:25:26,320

crowds is nasa expecting in the local

679

00:25:31,269 --> 00:25:28,880

area and even to welcome on site

680

00:25:32,789 --> 00:25:31,279

so just so you're aware

681

00:25:34,789 --> 00:25:32,799

yes

682

00:25:37,669 --> 00:25:34,799

i don't know what the count is

683

00:25:41,669 --> 00:25:37,679

but lots and lots of people came

684

00:25:43,510 --> 00:25:41,679

to the cape to watch this launch

685

00:25:45,269 --> 00:25:43,520

so i'll tell you what we're considering

686

00:25:47,590 --> 00:25:45,279

as an agency

687

00:25:49,669 --> 00:25:47,600

this is an important mission for us

688

00:25:53,590 --> 00:25:49,679

we also have in july we're launching a

689

00:25:55,909 --> 00:25:53,600

robot to mars and so we have to protect

690

00:25:58,470 --> 00:25:55,919

the safety and the health of the

691

00:25:59,750 --> 00:25:58,480

workforce here at the kennedy space

692

00:26:01,269 --> 00:25:59,760

center

693

00:26:02,070 --> 00:26:01,279

and then of course

694

00:26:04,470 --> 00:26:02,080

once

695

00:26:06,549 --> 00:26:04,480

demo 2 is successful

696

00:26:08,230 --> 00:26:06,559

which it will be once demo 2 is

697

00:26:11,029 --> 00:26:08,240

successful we're going to launch crew

698

00:26:12,470 --> 00:26:11,039

one so right here at the kennedy space

699

00:26:14,549 --> 00:26:12,480

center we have no shortage of

700

00:26:17,190 --> 00:26:14,559

opportunities in front of us and we have

701
00:26:18,950 --> 00:26:17,200
to make sure that without question

702
00:26:21,190 --> 00:26:18,960
you know we're doing everything we can

703
00:26:22,630 --> 00:26:21,200
to keep our people safe right here at

704
00:26:25,590 --> 00:26:22,640
the kennedy space center keep them

705
00:26:27,830 --> 00:26:25,600
healthy remember if we have an outbreak

706
00:26:29,269 --> 00:26:27,840
all of the contract tracing begins and

707
00:26:31,830 --> 00:26:29,279
then all of these

708
00:26:34,070 --> 00:26:31,840
mission essential people end up could be

709
00:26:37,430 --> 00:26:34,080
end up getting sidelined that is not the

710
00:26:39,669 --> 00:26:37,440
outcome that that we're looking for so

711
00:26:41,510 --> 00:26:39,679
the visitor center is open

712
00:26:43,190 --> 00:26:41,520
you know there is no doubt times are

713
00:26:44,870 --> 00:26:43,200

changing and people are going to travel

714

00:26:47,269 --> 00:26:44,880

and the visitor center is going to be

715

00:26:49,669 --> 00:26:47,279

open what we expect is that when people

716

00:26:51,110 --> 00:26:49,679

come here they follow the guidance of

717

00:26:52,870 --> 00:26:51,120

the governor of the state of florida

718

00:26:54,390 --> 00:26:52,880

that they follow the guidance for social

719

00:26:56,070 --> 00:26:54,400

distancing

720

00:26:57,190 --> 00:26:56,080

and and you know personal protective

721

00:26:59,269 --> 00:26:57,200

equipment if you're not going to

722

00:27:01,510 --> 00:26:59,279

maintain that distance

723

00:27:03,669 --> 00:27:01,520

and and if people do that they're going

724

00:27:05,110 --> 00:27:03,679

to be safe but we will make sure

725

00:27:06,870 --> 00:27:05,120

that the people that are involved in

726

00:27:08,789 --> 00:27:06,880

these mission essential functions for

727

00:27:10,549 --> 00:27:08,799

this country launching american

728

00:27:11,909 --> 00:27:10,559

astronauts on american rockets from

729

00:27:13,029 --> 00:27:11,919

american soil

730

00:27:15,110 --> 00:27:13,039

launching

731

00:27:17,269 --> 00:27:15,120

our next rover to mars that these

732

00:27:22,070 --> 00:27:17,279

mission essential functions

733

00:27:26,070 --> 00:27:24,389

and i'd like to add to that first off

734

00:27:28,389 --> 00:27:26,080

the visitor center it's a limited

735

00:27:30,549 --> 00:27:28,399

opening it's not full capacity they

736

00:27:32,549 --> 00:27:30,559

limited the number of people that could

737

00:27:34,470 --> 00:27:32,559

come on to the main complex there are no

738

00:27:35,830 --> 00:27:34,480

bus tours they're not going out to the

739

00:27:38,870 --> 00:27:35,840

saturn 5.

740

00:27:41,590 --> 00:27:38,880

so it's in keeping with what disney has

741

00:27:43,029 --> 00:27:41,600

done and universal has done its city

742

00:27:45,350 --> 00:27:43,039

walk

743

00:27:48,230 --> 00:27:45,360

not even all of the venues on the main

744

00:27:50,549 --> 00:27:48,240

complex are going to be open and this

745

00:27:51,750 --> 00:27:50,559

was planned to open uh you know had we

746

00:27:53,190 --> 00:27:51,760

launched on time it would have been

747

00:27:55,430 --> 00:27:53,200

after the launch it just turned out with

748

00:27:57,029 --> 00:27:55,440

the scrub that now those folks that come

749

00:27:58,549 --> 00:27:57,039

to the visitor center are going to be

750

00:28:00,789 --> 00:27:58,559

able to view it from uh from the

751
00:28:04,789 --> 00:28:00,799
visitors center but they have strict

752
00:28:06,149 --> 00:28:04,799
rules in place for cdc guidance

753
00:28:08,230 --> 00:28:06,159
you know all i can say is they're doing

754
00:28:10,870 --> 00:28:08,240
it in the safest way possible and in

755
00:28:13,510 --> 00:28:10,880
keeping with the governor desantis's

756
00:28:15,510 --> 00:28:13,520
guidelines for helping to open up the

757
00:28:17,269 --> 00:28:15,520
state of florida but is by no means a

758
00:28:19,029 --> 00:28:17,279
full opening of the space

759
00:28:21,430 --> 00:28:19,039
visitors center

760
00:28:23,909 --> 00:28:21,440
kennedy visitor center it is a limited

761
00:28:26,070 --> 00:28:23,919
participation here on site as uh the

762
00:28:28,149 --> 00:28:26,080
administrator mentioned you know we're

763
00:28:31,029 --> 00:28:28,159

still in stage three for our guidelines

764

00:28:33,510 --> 00:28:31,039

on site for the coronavirus you know we

765

00:28:36,149 --> 00:28:33,520

require folks to wear masks in common

766

00:28:38,870 --> 00:28:36,159

areas you know in buildings

767

00:28:40,710 --> 00:28:38,880

if they cannot be six feet apart

768

00:28:43,669 --> 00:28:40,720

they have to wear a mask

769

00:28:47,190 --> 00:28:43,679

in hallways common areas elevators and

770

00:28:49,830 --> 00:28:47,200

so on so we are taking this seriously we

771

00:28:51,430 --> 00:28:49,840

have to protect our workforce to ensure

772

00:28:55,510 --> 00:28:51,440

that we can complete nasa's mission

773

00:28:59,909 --> 00:28:58,470

hi uh ken chang new york times i just

774

00:29:01,830 --> 00:28:59,919

had a question i was wondering what bob

775

00:29:03,510 --> 00:29:01,840

and doug are doing during these two days

776

00:29:07,590 --> 00:29:03,520

of downtime that they of course did not

777

00:29:11,590 --> 00:29:09,909

so they'll they will um probably i don't

778

00:29:14,149 --> 00:29:11,600

know honestly they might spend a little

779

00:29:15,510 --> 00:29:14,159

time at the beach house

780

00:29:17,029 --> 00:29:15,520

again i don't know but i would guess

781

00:29:18,070 --> 00:29:17,039

that's probably what they they'll do

782

00:29:19,990 --> 00:29:18,080

they've

783

00:29:22,710 --> 00:29:20,000

they started a new tradition of

784

00:29:24,789 --> 00:29:22,720

launching little rockets i don't i don't

785

00:29:26,230 --> 00:29:24,799

know if you've seen any of that but

786

00:29:27,190 --> 00:29:26,240

they started a new tradition of

787

00:29:29,029 --> 00:29:27,200

launching

788

00:29:31,669 --> 00:29:29,039

rockets from the beach

789

00:29:33,510 --> 00:29:31,679

at the beach house before a big launch

790

00:29:36,070 --> 00:29:33,520

and so i would imagine they're probably

791

00:29:37,590 --> 00:29:36,080

getting some down time they're probably

792

00:29:39,510 --> 00:29:37,600

you know thinking about what's what's

793

00:29:41,909 --> 00:29:39,520

coming maybe some changes that they'd

794

00:29:43,909 --> 00:29:41,919

like to have for their next

795

00:29:46,230 --> 00:29:43,919

their next route to the

796

00:29:47,669 --> 00:29:46,240

to the rocket

797

00:29:50,950 --> 00:29:47,679

shell and nicole do you guys have any

798

00:29:55,430 --> 00:29:53,269

so i launched on a soyuz rocket out of

799

00:29:57,029 --> 00:29:55,440

baikonur and even with our launch we

800

00:29:58,070 --> 00:29:57,039

experienced a delay

801
00:30:00,070 --> 00:29:58,080
and

802
00:30:01,830 --> 00:30:00,080
so you know you certainly get excited

803
00:30:05,510 --> 00:30:01,840
about the launch you're prepared your

804
00:30:07,350 --> 00:30:05,520
mindset is such that you're ready to fly

805
00:30:08,630 --> 00:30:07,360
and certainly bob and doug were ready to

806
00:30:09,909 --> 00:30:08,640
do that

807
00:30:11,750 --> 00:30:09,919
on wednesday

808
00:30:13,990 --> 00:30:11,760
and and so

809
00:30:16,950 --> 00:30:14,000
the scrub the delay just represents an

810
00:30:18,310 --> 00:30:16,960
opportunity for the team to learn and

811
00:30:20,389 --> 00:30:18,320
then

812
00:30:21,750 --> 00:30:20,399
an opportunity for them to

813
00:30:23,350 --> 00:30:21,760

reunite with their families i know

814

00:30:25,269 --> 00:30:23,360

they're spending time with their

815

00:30:26,789 --> 00:30:25,279

families and enjoying

816

00:30:28,149 --> 00:30:26,799

this a little bit of time before they

817

00:30:29,669 --> 00:30:28,159

get ready to fly again i'm sure they're

818

00:30:31,909 --> 00:30:29,679

getting briefings

819

00:30:33,430 --> 00:30:31,919

from the spacex team from the nasa team

820

00:30:36,630 --> 00:30:33,440

and what the weather looks like how the

821

00:30:38,389 --> 00:30:36,640

vehicle looks and then and then getting

822

00:30:40,549 --> 00:30:38,399

back into the zone for

823

00:30:46,789 --> 00:30:40,559

whatever we decide for tomorrow or

824

00:30:50,630 --> 00:30:48,710

good morning hi greg palones factor news

825

00:30:52,549 --> 00:30:50,640

13. this is for the administrator and

826

00:30:54,070 --> 00:30:52,559

also mr uh cabana you know it's been

827

00:30:56,149 --> 00:30:54,080

nine years nine years since the space

828

00:30:57,990 --> 00:30:56,159

coast since america saw a launch

829

00:31:00,470 --> 00:30:58,000

uh this area was devastated after the

830

00:31:02,470 --> 00:31:00,480

shuttle retired lots of people laid off

831

00:31:04,630 --> 00:31:02,480

what type of inspiration after nine

832

00:31:06,710 --> 00:31:04,640

years does this flight mean

833

00:31:08,870 --> 00:31:06,720

for the space coast in particular and

834

00:31:09,909 --> 00:31:08,880

florida thank you it's absolutely huge

835

00:31:12,549 --> 00:31:09,919

and uh

836

00:31:14,389 --> 00:31:12,559

i cannot compliment bob cabana and his

837

00:31:15,830 --> 00:31:14,399

team here at the kennedy space center

838

00:31:17,509 --> 00:31:15,840

enough

839

00:31:21,269 --> 00:31:17,519

as you mentioned when the space shuttles

840

00:31:25,990 --> 00:31:23,750

this area was devastated and then that

841

00:31:28,630 --> 00:31:26,000

was with the cancellation of the moon

842

00:31:30,870 --> 00:31:28,640

program constellation so all of those

843

00:31:33,669 --> 00:31:30,880

jobs that were anticipated were also

844

00:31:36,310 --> 00:31:33,679

eliminated and it was it was all at once

845

00:31:38,310 --> 00:31:36,320

and it was absolutely devastating

846

00:31:40,470 --> 00:31:38,320

and so what has happened now is bob and

847

00:31:42,149 --> 00:31:40,480

his team have put together and i'm

848

00:31:44,789 --> 00:31:42,159

saying this because bob won't brag about

849

00:31:46,549 --> 00:31:44,799

himself but they've put together this

850

00:31:48,789 --> 00:31:46,559

multi-use spaceport so we've got

851

00:31:50,149 --> 00:31:48,799

commercial we've got civil

852

00:31:51,750 --> 00:31:50,159

and of course you know we've got

853

00:31:54,310 --> 00:31:51,760

military launches that are happening

854

00:31:57,509 --> 00:31:54,320

from this facility now in a very robust

855

00:31:59,590 --> 00:31:57,519

way and and the economy has come back

856

00:32:00,870 --> 00:31:59,600

the markets are are working here in a

857

00:32:02,789 --> 00:32:00,880

way that

858

00:32:03,909 --> 00:32:02,799

we couldn't have even envisioned nine

859

00:32:06,950 --> 00:32:03,919

years ago

860

00:32:08,310 --> 00:32:06,960

and now we have um you know a budget a

861

00:32:10,070 --> 00:32:08,320

nasa budget

862

00:32:12,549 --> 00:32:10,080

that is the highest it's ever been in

863

00:32:14,230 --> 00:32:12,559

history in nominal dollars

864

00:32:16,149 --> 00:32:14,240

and it's as high as it's been you know

865

00:32:17,269 --> 00:32:16,159

obviously apollo in real dollars was

866

00:32:19,430 --> 00:32:17,279

higher but

867

00:32:21,350 --> 00:32:19,440

we're our trajectory is right

868

00:32:23,750 --> 00:32:21,360

um you know when i took over this this

869

00:32:26,230 --> 00:32:23,760

job our budget was 19

870

00:32:27,750 --> 00:32:26,240

billion dollars and the budget request

871

00:32:31,590 --> 00:32:27,760

for next year

872

00:32:34,470 --> 00:32:31,600

is 25 billion dollars for the first time

873

00:32:36,950 --> 00:32:34,480

since 1972 we have a human landing

874

00:32:39,190 --> 00:32:36,960

system funded to go to the surface of

875

00:32:41,350 --> 00:32:39,200

the moon and not just funded but also

876

00:32:43,669 --> 00:32:41,360

under contract for the development of

877

00:32:45,350 --> 00:32:43,679

that human landing system

878

00:32:47,990 --> 00:32:45,360

and of course with the the development

879

00:32:50,870 --> 00:32:48,000

of the space force and the 45th space

880

00:32:53,830 --> 00:32:50,880

wing cape canaveral air force station

881

00:32:55,669 --> 00:32:53,840

there's going to be lots and lots of

882

00:32:57,750 --> 00:32:55,679

economic opportunity happening here some

883

00:33:00,549 --> 00:32:57,760

of it for good reason because we want to

884

00:33:03,110 --> 00:33:00,559

do exploration science discovery some of

885

00:33:04,870 --> 00:33:03,120

it for not so good reason because we've

886

00:33:06,630 --> 00:33:04,880

got bad actors around the world that are

887

00:33:08,950 --> 00:33:06,640

making space more dangerous and we need

888

00:33:10,549 --> 00:33:08,960

the 45th space wing we need the air

889

00:33:12,870 --> 00:33:10,559

force to do what is necessary to keep

890

00:33:15,269 --> 00:33:12,880

our country and our exploration and the

891

00:33:16,549 --> 00:33:15,279

commercial capabilities of space

892

00:33:18,710 --> 00:33:16,559

safe

893

00:33:20,630 --> 00:33:18,720

but i will tell you right now we're

894

00:33:22,389 --> 00:33:20,640

thrilled to have the support from the

895

00:33:24,630 --> 00:33:22,399

administration at the level that we have

896

00:33:26,630 --> 00:33:24,640

it we've got strong bipartisan support

897

00:33:28,149 --> 00:33:26,640

one of my jobs as the nasa administrator

898

00:33:30,549 --> 00:33:28,159

and i took this very seriously when i

899

00:33:32,549 --> 00:33:30,559

took the job how do we create a program

900

00:33:34,230 --> 00:33:32,559

that is sustainable how do we create a

901
00:33:36,070 --> 00:33:34,240
program that's not going to

902
00:33:37,430 --> 00:33:36,080
invest billions of dollars and then get

903
00:33:39,350 --> 00:33:37,440
cancelled well

904
00:33:41,350 --> 00:33:39,360
we do it by getting strong bipartisan

905
00:33:42,950 --> 00:33:41,360
support which we are having

906
00:33:44,789 --> 00:33:42,960
we do it by making sure our

907
00:33:46,789 --> 00:33:44,799
international partners are engaged and

908
00:33:48,950 --> 00:33:46,799
contributing significantly in dollar

909
00:33:51,029 --> 00:33:48,960
values and in capabilities which they

910
00:33:52,950 --> 00:33:51,039
are doing we think about the gateway

911
00:33:54,070 --> 00:33:52,960
building a space station in orbit around

912
00:33:56,149 --> 00:33:54,080
the moon

913
00:33:57,750 --> 00:33:56,159

our international partners want to go to

914

00:33:59,830 --> 00:33:57,760

the moon with us and we of course

915

00:34:01,750 --> 00:33:59,840

welcome that the president's space

916

00:34:03,830 --> 00:34:01,760

policy directive one said go to the moon

917

00:34:06,389 --> 00:34:03,840

go sustainably go with international

918

00:34:07,430 --> 00:34:06,399

partners go with commercial partners we

919

00:34:09,589 --> 00:34:07,440

now have

920

00:34:11,430 --> 00:34:09,599

when we go to the moon in 2024 we're

921

00:34:14,710 --> 00:34:11,440

going to go with a commercial human

922

00:34:17,030 --> 00:34:14,720

landing system so we're expecting

923

00:34:19,190 --> 00:34:17,040

our providers to go get customers that

924

00:34:20,790 --> 00:34:19,200

are not nasa driving down our costs

925

00:34:22,629 --> 00:34:20,800

increasing access

926

00:34:25,109 --> 00:34:22,639

so we're building the markets that make

927

00:34:26,550 --> 00:34:25,119

it sustainable the his the history of

928

00:34:28,790 --> 00:34:26,560

space flight is that the government

929

00:34:30,950 --> 00:34:28,800

created the demand and the government

930

00:34:33,109 --> 00:34:30,960

created the supply and when you do that

931

00:34:35,109 --> 00:34:33,119

you are always limited and you are

932

00:34:37,190 --> 00:34:35,119

subject to the whimsical budgets of

933

00:34:38,710 --> 00:34:37,200

politicians and that's where we were

934

00:34:41,030 --> 00:34:38,720

nine years ago and because the great

935

00:34:43,909 --> 00:34:41,040

work of bob and his team because of the

936

00:34:46,550 --> 00:34:43,919

vision to commercialize space

937

00:34:49,190 --> 00:34:46,560

that's not where we are today

938

00:34:50,950 --> 00:34:49,200

we need a resilient space program that

939

00:34:53,030 --> 00:34:50,960

includes the best that america has to

940

00:34:54,950 --> 00:34:53,040

offer from a government perspective from

941

00:34:57,430 --> 00:34:54,960

a commercial perspective we need to

942

00:34:58,630 --> 00:34:57,440

bring a coalition of nations with us

943

00:35:00,710 --> 00:34:58,640

which is what the international

944

00:35:02,630 --> 00:35:00,720

partnerships are all about we need

945

00:35:04,470 --> 00:35:02,640

bipartisan support and more than

946

00:35:06,069 --> 00:35:04,480

anything the reason i'm here

947

00:35:07,670 --> 00:35:06,079

we need these people that are watching

948

00:35:09,510 --> 00:35:07,680

on television right now to support the

949

00:35:10,790 --> 00:35:09,520

program and they do

950

00:35:12,710 --> 00:35:10,800

and that's why we do so much

951
00:35:14,470 --> 00:35:12,720
communication outreach if we have public

952
00:35:15,829 --> 00:35:14,480
support then of course we get the

953
00:35:17,910 --> 00:35:15,839
support of the representatives in

954
00:35:19,510 --> 00:35:17,920
congress which of course provide nasa's

955
00:35:21,109 --> 00:35:19,520
budgets and they have been

956
00:35:23,670 --> 00:35:21,119
overwhelmingly supportive in a

957
00:35:26,390 --> 00:35:23,680
bipartisan way so

958
00:35:28,630 --> 00:35:26,400
yes we all remember what happened nine

959
00:35:30,790 --> 00:35:28,640
years ago we remember it

960
00:35:32,310 --> 00:35:30,800
and we're doing everything in our power

961
00:35:34,390 --> 00:35:32,320
to make sure that that doesn't happen

962
00:35:36,390 --> 00:35:34,400
again and that's my job as the nasa

963
00:35:39,190 --> 00:35:36,400

administrator bob i'll let you say a few

964

00:35:42,950 --> 00:35:40,710

well first off thank you jim for your

965

00:35:44,950 --> 00:35:42,960

kind words i'm just extremely pleased to

966

00:35:46,630 --> 00:35:44,960

be a member of this team it is awesome

967

00:35:47,750 --> 00:35:46,640

what we've accomplished and greg you

968

00:35:49,910 --> 00:35:47,760

said we haven't seen a launch in nine

969

00:35:51,670 --> 00:35:49,920

years i'd like to say anytime a rocket

970

00:35:53,910 --> 00:35:51,680

ship leaves planet earth i don't care

971

00:35:55,510 --> 00:35:53,920

what's on it it is an event and worthy

972

00:35:56,950 --> 00:35:55,520

of note but

973

00:35:58,630 --> 00:35:56,960

you know you talk about humans and what

974

00:36:01,030 --> 00:35:58,640

it means i happen to see a picture of

975

00:36:02,230 --> 00:36:01,040

the max brewer bridge for the last

976

00:36:05,349 --> 00:36:02,240

launch attempt

977

00:36:07,670 --> 00:36:05,359

in titusville there and it looked like

978

00:36:10,150 --> 00:36:07,680

the last flight of the space shuttle

979

00:36:12,950 --> 00:36:10,160

our nation it means a lot to see our

980

00:36:16,550 --> 00:36:12,960

astronauts launching on u.s rockets from

981

00:36:18,069 --> 00:36:16,560

u.s soil and anytime you put a human on

982

00:36:20,790 --> 00:36:18,079

a rocket

983

00:36:22,950 --> 00:36:20,800

it all it it's another step up i mean it

984

00:36:25,030 --> 00:36:22,960

raises the level of concern it raises

985

00:36:27,109 --> 00:36:25,040

the level of importance it raises the

986

00:36:29,990 --> 00:36:27,119

level of our looking into it to make

987

00:36:32,550 --> 00:36:30,000

sure that everything is right and

988

00:36:34,790 --> 00:36:32,560

yeah it's awesome i can't tell you what

989

00:36:36,950 --> 00:36:34,800

it's going to mean to me to see

990

00:36:38,790 --> 00:36:36,960

a u.s rocket launching crews again off

991

00:36:40,550 --> 00:36:38,800

that pad out there that's what they were

992

00:36:43,030 --> 00:36:40,560

designed for we went to the moon from

993

00:36:45,589 --> 00:36:43,040

that pad i launched three times off that

994

00:36:48,069 --> 00:36:45,599

pad you know to see bob and doug launch

995

00:36:50,390 --> 00:36:48,079

off it and then to get boeing launching

996

00:36:52,310 --> 00:36:50,400

we are on the verge of a new era in

997

00:36:53,990 --> 00:36:52,320

human space flight this is just the

998

00:36:56,630 --> 00:36:54,000

beginning it's only going to get better

999

00:36:58,069 --> 00:36:56,640

so yeah it means a lot and i truly am

1000

00:36:59,750 --> 00:36:58,079

excited about it to me it's a

1001

00:37:01,190 --> 00:36:59,760

culmination of a lot of hard work by

1002

00:37:02,710 --> 00:37:01,200

this team here at the kennedy space

1003

00:37:05,109 --> 00:37:02,720

center and i couldn't be more pleased

1004

00:37:06,950 --> 00:37:05,119

thanks i i enjoy every launch too by the

1005

00:37:09,349 --> 00:37:06,960

way just you know that

1006

00:37:11,109 --> 00:37:09,359

thank you very much guys

1007

00:37:12,790 --> 00:37:11,119

this will be our last question

1008

00:37:14,230 --> 00:37:12,800

hi marcia done ap again for mr

1009

00:37:15,510 --> 00:37:14,240

brindenstein

1010

00:37:17,750 --> 00:37:15,520

how much

1011

00:37:21,510 --> 00:37:17,760

credit do you put on elon musk

1012

00:37:24,230 --> 00:37:21,520

personally to be where you are today

1013

00:37:25,270 --> 00:37:24,240

i know it's a big effort but you know

1014

00:37:29,829 --> 00:37:25,280

he's

1015

00:37:33,030 --> 00:37:29,839

also a colorful high profile figure for

1016

00:37:35,030 --> 00:37:33,040

lots of different reasons how much of

1017

00:37:38,230 --> 00:37:35,040

attention is being drawn to all this

1018

00:37:39,829 --> 00:37:38,240

just by virtue of him as a as a person

1019

00:37:42,550 --> 00:37:39,839

you know it's a it's a it's you're

1020

00:37:44,470 --> 00:37:42,560

making a wonderful point um

1021

00:37:46,630 --> 00:37:44,480

what elon musk has done for the american

1022

00:37:48,069 --> 00:37:46,640

space program is he has brought vision

1023

00:37:50,550 --> 00:37:48,079

and inspiration

1024

00:37:52,470 --> 00:37:50,560

that we hadn't had uh you know for you

1025

00:37:54,230 --> 00:37:52,480

know ten years since the retirement of

1026
00:37:55,510 --> 00:37:54,240
the space shuttles nine years

1027
00:37:57,990 --> 00:37:55,520
um and

1028
00:37:59,030 --> 00:37:58,000
and i will tell you he's he's he's

1029
00:38:01,190 --> 00:37:59,040
brilliant

1030
00:38:03,349 --> 00:38:01,200
um he's capable he has you know i've

1031
00:38:05,109 --> 00:38:03,359
been the nasa administrator now for over

1032
00:38:07,349 --> 00:38:05,119
two years

1033
00:38:09,349 --> 00:38:07,359
and there have been times when maybe

1034
00:38:12,630 --> 00:38:09,359
there was a little tension because of

1035
00:38:15,030 --> 00:38:12,640
the priorities that we were focused on

1036
00:38:17,349 --> 00:38:15,040
but when i talk to him when i meet with

1037
00:38:19,430 --> 00:38:17,359
him he gives me a commitment and he

1038
00:38:23,109 --> 00:38:19,440

delivers on that commitment

1039

00:38:25,109 --> 00:38:23,119

that has happened every single time

1040

00:38:26,710 --> 00:38:25,119

so we're very proud of the team that he

1041

00:38:28,150 --> 00:38:26,720

has at spacex

1042

00:38:30,630 --> 00:38:28,160

we're very proud of the partnership

1043

00:38:32,550 --> 00:38:30,640

between nasa and spacex

1044

00:38:33,910 --> 00:38:32,560

and yes in this particular case we're at

1045

00:38:35,910 --> 00:38:33,920

a point in time

1046

00:38:37,750 --> 00:38:35,920

where um

1047

00:38:41,349 --> 00:38:37,760

we've asked him to do certain things and

1048

00:38:43,829 --> 00:38:41,359

he has absolutely delivered

1049

00:38:46,470 --> 00:38:43,839

yeah jim moreheart

1050

00:38:48,790 --> 00:38:46,480

i'd just like to add to that you know i

1051
00:38:50,390 --> 00:38:48,800
was uh witnessed the flight readiness

1052
00:38:52,230 --> 00:38:50,400
review last week

1053
00:38:53,670 --> 00:38:52,240
and it was said you know we started out

1054
00:38:56,390 --> 00:38:53,680
as a partnership

1055
00:38:59,190 --> 00:38:56,400
and in many respects we've it's become a

1056
00:39:00,870 --> 00:38:59,200
friendship now there's still a healthy

1057
00:39:02,310 --> 00:39:00,880
you know

1058
00:39:05,109 --> 00:39:02,320
distance between

1059
00:39:07,510 --> 00:39:05,119
a contractor and this agency

1060
00:39:10,230 --> 00:39:07,520
but there are a lot of relationships and

1061
00:39:12,550 --> 00:39:10,240
that's what makes our success

1062
00:39:14,950 --> 00:39:12,560
they actually embedded

1063
00:39:17,589 --> 00:39:14,960

bob and doug into their manufacturing

1064

00:39:19,829 --> 00:39:17,599

facilities so that their line workers

1065

00:39:22,390 --> 00:39:19,839

got to know them personally so they're

1066

00:39:24,710 --> 00:39:22,400

personally invested in their safety

1067

00:39:27,510 --> 00:39:24,720

and it really it goes yes as jim said

1068

00:39:28,550 --> 00:39:27,520

from elon but it goes down to the line

1069

00:39:30,630 --> 00:39:28,560

worker

1070

00:39:32,310 --> 00:39:30,640

and we're very i can't reiterate how

1071

00:39:34,550 --> 00:39:32,320

much jim has said

1072

00:39:36,550 --> 00:39:34,560

and you know it's jim's vision and vice

1073

00:39:42,230 --> 00:39:36,560

president and the president's vision but

1074

00:39:47,910 --> 00:39:44,310

that was the last question okay do you

1075

00:39:52,150 --> 00:39:50,069

well this is uh i want to reemphasize

1076

00:39:54,630 --> 00:39:52,160

this is a test flight um we learned a

1077

00:39:56,310 --> 00:39:54,640

lot a couple of days ago and in the days

1078

00:39:57,910 --> 00:39:56,320

ahead we're going to learn even more

1079

00:39:59,990 --> 00:39:57,920

part of what we're learning

1080

00:40:02,069 --> 00:40:00,000

are what we need to be safe to launch as

1081

00:40:04,470 --> 00:40:02,079

it relates to the weather

1082

00:40:06,550 --> 00:40:04,480

and of course we're looking at saturday

1083

00:40:08,870 --> 00:40:06,560

we're looking at sunday

1084

00:40:10,870 --> 00:40:08,880

we have some other days beyond that

1085

00:40:12,710 --> 00:40:10,880

where we could launch

1086

00:40:14,390 --> 00:40:12,720

the seventh and the eighth are are

1087

00:40:16,309 --> 00:40:14,400

reserved but you know we're looking at

1088

00:40:18,150 --> 00:40:16,319

maybe the second and the third as well

1089

00:40:19,910 --> 00:40:18,160

although that's not a certainty at this

1090

00:40:21,510 --> 00:40:19,920

point

1091

00:40:23,589 --> 00:40:21,520

but i just want to re-emphasize that

1092

00:40:24,950 --> 00:40:23,599

this is a test flight

1093

00:40:26,790 --> 00:40:24,960

that we're going to do everything we can

1094

00:40:29,510 --> 00:40:26,800

to keep bob and doug

1095

00:40:31,750 --> 00:40:29,520

100 safe they are ready to go

1096

00:40:34,150 --> 00:40:31,760

they were ready to go before

1097

00:40:36,630 --> 00:40:34,160

they're even more ready to go now

1098

00:40:38,390 --> 00:40:36,640

and and this agency we call nasa is

1099

00:40:40,230 --> 00:40:38,400

about to pull off something spectacular

1100

00:40:42,309 --> 00:40:40,240

with our partners at spacex and we're

1101

00:40:43,829 --> 00:40:42,319

very excited about it so thank you all

1102

00:40:48,870 --> 00:40:43,839

for coming and covering this press