



1
00:00:06,389 --> 00:00:05,430
t minus ten t minus ten nine eight

2
00:00:07,349 --> 00:00:06,399
seven

3
00:00:08,310 --> 00:00:07,359
six

4
00:00:09,190 --> 00:00:08,320
five

5
00:00:10,230 --> 00:00:09,200
four

6
00:00:11,190 --> 00:00:10,240
three

7
00:00:12,390 --> 00:00:11,200
two

8
00:00:16,390 --> 00:00:12,400
one

9
00:00:18,630 --> 00:00:16,400
ignition and liftoff of the falcon 9 to

10
00:00:20,310 --> 00:00:18,640
the space station on the first

11
00:00:21,429 --> 00:00:20,320
commercial launch from kennedy space

12
00:00:25,910 --> 00:00:21,439
center's

13
00:00:25,920 --> 00:00:36,709

pad operations on patented

14

00:00:41,270 --> 00:00:38,389

first stage coming back to spacex

15

00:00:46,150 --> 00:00:41,280

landing site one

16

00:00:51,069 --> 00:00:49,190

twin sonic booms stage one touchdown

17

00:00:53,920 --> 00:00:51,079

confirmed landing operators moving

18

00:00:58,950 --> 00:00:53,930

11.100 on recovery net

19

00:01:03,590 --> 00:01:01,349

and dragon has separated spacecraft

20

00:01:07,910 --> 00:01:03,600

separation

21

00:01:10,230 --> 00:01:07,920

and the solar arrays are now deploying

22

00:01:12,550 --> 00:01:10,240

right on schedule

23

00:01:23,910 --> 00:01:12,560

and the arrays appear to deploy

24

00:01:29,270 --> 00:01:27,190

and good morning everyone this is our

25

00:01:31,830 --> 00:01:29,280

happy and successful post-launch news

26
00:01:35,270 --> 00:01:31,840
conference for crs 10.

27
00:01:37,749 --> 00:01:35,280
and here to talk some about the launch

28
00:01:40,789 --> 00:01:37,759
today and the mission coming up

29
00:01:42,630 --> 00:01:40,799
we have william spech the deputy manager

30
00:01:44,149 --> 00:01:42,640
for the transportation office for the

31
00:01:48,230 --> 00:01:44,159
international space station at the

32
00:01:55,270 --> 00:01:50,789
jessica jensen the dragon mission

33
00:02:00,149 --> 00:01:58,630
and pam underwood manager for the faa

34
00:02:01,990 --> 00:02:00,159
office of commercial space

35
00:02:04,149 --> 00:02:02,000
transportation

36
00:02:06,830 --> 00:02:04,159
so we'll begin with our opening comments

37
00:02:08,710 --> 00:02:06,840
from william spech from

38
00:02:09,910 --> 00:02:08,720

jsc bill

39

00:02:11,750 --> 00:02:09,920

all right

40

00:02:13,510 --> 00:02:11,760

so obviously a great launch today we

41

00:02:16,869 --> 00:02:13,520

were really excited to see everything go

42

00:02:19,990 --> 00:02:16,879

uh go well uh after after yesterday's

43

00:02:22,309 --> 00:02:20,000

countdown fun and getting going uh

44

00:02:23,990 --> 00:02:22,319

dragon is on its way uh space station is

45

00:02:26,710 --> 00:02:24,000

in great shape and and really looking

46

00:02:29,110 --> 00:02:26,720

forward to uh getting the 5 000 plus

47

00:02:30,630 --> 00:02:29,120

pounds of cargo coming up to the vehicle

48

00:02:32,070 --> 00:02:30,640

uh they're going to capture in a couple

49

00:02:33,589 --> 00:02:32,080

of days here

50

00:02:36,229 --> 00:02:33,599

and uh

51

00:02:38,229 --> 00:02:36,239

then we'll get right into a lot of

52

00:02:39,670 --> 00:02:38,239

robotic operations to go get into the

53

00:02:41,830 --> 00:02:39,680

trunk and pull out

54

00:02:43,910 --> 00:02:41,840

all of the the payloads that we have in

55

00:02:46,550 --> 00:02:43,920

the trunk going forward

56

00:02:49,270 --> 00:02:46,560

so uh obviously this kicks off a busy

57

00:02:50,869 --> 00:02:49,280

time for us on the iss we've got a

58

00:02:53,030 --> 00:02:50,879

progress launch coming up here on the

59

00:02:54,790 --> 00:02:53,040

22nd as well

60

00:02:56,790 --> 00:02:54,800

and uh we'll be looking forward to

61

00:02:59,990 --> 00:02:56,800

getting that on board station

62

00:03:02,149 --> 00:03:00,000

uh shortly after dragon gets there so

63

00:03:03,509 --> 00:03:02,159

looking forward to a busy time in orbit

64

00:03:06,309 --> 00:03:03,519

over the next month working all the

65

00:03:08,949 --> 00:03:06,319

science that we've got on this dragon

66

00:03:11,670 --> 00:03:08,959

okay thanks bill now to jessica jensen

67

00:03:14,070 --> 00:03:11,680

the dragon mission management specialist

68

00:03:15,910 --> 00:03:14,080

from spacex thanks

69

00:03:17,190 --> 00:03:15,920

yeah so obviously it's been a super

70

00:03:19,509 --> 00:03:17,200

exciting day

71

00:03:21,110 --> 00:03:19,519

it was really awesome to see 39a roar

72

00:03:23,030 --> 00:03:21,120

back to life for the first time since

73

00:03:25,350 --> 00:03:23,040

the shuttle era and it was extremely

74

00:03:27,670 --> 00:03:25,360

special that this first launch off 39a

75

00:03:30,630 --> 00:03:27,680

was a dragon mission for nasa headed to

76

00:03:34,229 --> 00:03:30,640

the space station so all in all just i

77

00:03:36,229 --> 00:03:34,239

feel great it's it's been fantastic um

78

00:03:37,990 --> 00:03:36,239

so dragon is doing well as you guys saw

79

00:03:40,229 --> 00:03:38,000

from the video the solar arrays have

80

00:03:41,670 --> 00:03:40,239

deployed the thrusters are firing

81

00:03:43,509 --> 00:03:41,680

dragon is headed to the space station it

82

00:03:45,270 --> 00:03:43,519

will arrive there very early wednesday

83

00:03:47,270 --> 00:03:45,280

morning

84

00:03:49,270 --> 00:03:47,280

and as you also saw this was our eighth

85

00:03:51,589 --> 00:03:49,280

successful first stage landing and the

86

00:03:53,750 --> 00:03:51,599

third um successful landing at landing

87

00:03:55,670 --> 00:03:53,760

zone one so we're always very excited to

88

00:03:57,190 --> 00:03:55,680

get our first stage boosters back um

89

00:03:58,869 --> 00:03:57,200

they're really great for actually post

90

00:04:01,990 --> 00:03:58,879

flight inspections checking everything

91

00:04:05,190 --> 00:04:02,000

out and then to reuse them in the future

92

00:04:07,190 --> 00:04:05,200

i just want to give a thanks to nasa the

93

00:04:08,630 --> 00:04:07,200

faa and the air force their support

94

00:04:10,630 --> 00:04:08,640

especially for this first launch out of

95

00:04:12,149 --> 00:04:10,640

39a has been critical

96

00:04:14,470 --> 00:04:12,159

we really thank you guys support through

97

00:04:18,229 --> 00:04:14,480

all of this

98

00:04:20,150 --> 00:04:18,239

okay thank you jessica the

99

00:04:22,069 --> 00:04:20,160

faa office of space commercial

100

00:04:24,390 --> 00:04:22,079

transportation now represented by pam

101
00:04:26,310 --> 00:04:24,400
underwood once again pam great thank you

102
00:04:28,230 --> 00:04:26,320
george good morning everybody and thank

103
00:04:29,990 --> 00:04:28,240
you we're very pleased to be part of

104
00:04:32,070 --> 00:04:30,000
this uh great day we'd like to

105
00:04:33,670 --> 00:04:32,080
congratulate spacex uh for their

106
00:04:35,749 --> 00:04:33,680
successful launch this morning and of

107
00:04:37,110 --> 00:04:35,759
course to nasa for the very important

108
00:04:38,790 --> 00:04:37,120
cargo now on its way to the

109
00:04:40,629 --> 00:04:38,800
international space station and of

110
00:04:43,110 --> 00:04:40,639
course kennedy space center for uh

111
00:04:44,870 --> 00:04:43,120
having a launch first launch fa license

112
00:04:46,629 --> 00:04:44,880
launch from here and of course the first

113
00:04:48,629 --> 00:04:46,639

launch and since the retirement of the

114

00:04:50,150 --> 00:04:48,639

shuttle program so it's just a wonderful

115

00:04:51,030 --> 00:04:50,160

day and we're very pleased to be part of

116

00:04:55,030 --> 00:04:51,040

it

117

00:04:57,110 --> 00:04:55,040

provided oversight to the public safety

118

00:04:58,790 --> 00:04:57,120

aspects during the mission the faa is

119

00:05:00,950 --> 00:04:58,800

responsible for ensuring the protection

120

00:05:02,310 --> 00:05:00,960

of public property national security and

121

00:05:03,749 --> 00:05:02,320

foreign policy interests of the united

122

00:05:06,390 --> 00:05:03,759

states during commercial launch and

123

00:05:08,870 --> 00:05:06,400

re-entry and we're also responsible for

124

00:05:10,550 --> 00:05:08,880

encouraging facilitating and promoting

125

00:05:11,670 --> 00:05:10,560

the u.s commercial space transportation

126

00:05:14,070 --> 00:05:11,680

industry

127

00:05:15,670 --> 00:05:14,080

the faa and nasa are partners in the

128

00:05:17,430 --> 00:05:15,680

commercial resupply program for the

129

00:05:18,710 --> 00:05:17,440

international space station and as i

130

00:05:20,390 --> 00:05:18,720

mentioned before we're very pleased to

131

00:05:22,830 --> 00:05:20,400

be part of this historic event and look

132

00:05:25,909 --> 00:05:22,840

forward to the activities to

133

00:05:26,629 --> 00:05:25,919

become all right thank you pam and with

134

00:05:28,469 --> 00:05:26,639

that

135

00:05:30,070 --> 00:05:28,479

we'll take questions here first in the

136

00:05:32,390 --> 00:05:30,080

audience then we'll take some on the

137

00:05:36,550 --> 00:05:32,400

phone then we'll go to

138

00:05:38,230 --> 00:05:36,560

social media which social media can

139

00:05:40,390 --> 00:05:38,240

contact us by

140

00:05:41,510 --> 00:05:40,400

ask nasa we'll take their questions as

141

00:05:44,310 --> 00:05:41,520

well

142

00:05:46,390 --> 00:05:44,320

and if you would uh please uh

143

00:05:48,870 --> 00:05:46,400

have one question and a follow-up so

144

00:05:51,350 --> 00:05:48,880

that we have time to go on to everyone

145

00:05:53,990 --> 00:05:51,360

else that has a has a question

146

00:05:57,029 --> 00:05:54,000

so we'll start first

147

00:06:01,510 --> 00:05:57,039

marcia i think you have a question

148

00:06:07,189 --> 00:06:03,350

marcia

149

00:06:09,590 --> 00:06:07,199

for jessica

150

00:06:11,670 --> 00:06:09,600

um i'm wondering you know

151
00:06:13,909 --> 00:06:11,680
have the spacex party started already i

152
00:06:15,510 --> 00:06:13,919
mean and and how big of a deal was this

153
00:06:16,629 --> 00:06:15,520
for spacex

154
00:06:18,550 --> 00:06:16,639
um

155
00:06:20,390 --> 00:06:18,560
it seems like you make an incremental

156
00:06:21,749 --> 00:06:20,400
leap every time and where does this fit

157
00:06:23,670 --> 00:06:21,759
in all that

158
00:06:25,909 --> 00:06:23,680
uh yes this is a huge deal for us

159
00:06:27,350 --> 00:06:25,919
anytime we can get a new pad off the

160
00:06:29,510 --> 00:06:27,360
ground we've completely modernized the

161
00:06:30,870 --> 00:06:29,520
way the pad is built um so yeah it's

162
00:06:32,390 --> 00:06:30,880
super exciting and you know you're

163
00:06:34,230 --> 00:06:32,400

always a little bit nervous we've run

164

00:06:35,670 --> 00:06:34,240

tons of tests to ensure that you know

165

00:06:36,950 --> 00:06:35,680

the hold downs would release properly

166

00:06:38,710 --> 00:06:36,960

and as you guys see the strongback

167

00:06:41,270 --> 00:06:38,720

throws back um in a different way than

168

00:06:42,710 --> 00:06:41,280

it used to it pad 40. and you know we've

169

00:06:44,390 --> 00:06:42,720

done tons of ground tests but we've

170

00:06:46,390 --> 00:06:44,400

never made it an actual rocket with a

171

00:06:48,070 --> 00:06:46,400

payload on top for that so you know to

172

00:06:50,469 --> 00:06:48,080

watch that happen for the first time was

173

00:06:52,870 --> 00:06:50,479

just amazing yeah so i'm sure the team

174

00:06:54,629 --> 00:06:52,880

will be out celebrating tonight um as of

175

00:06:56,790 --> 00:06:54,639

now we're still you know watching dragon

176

00:06:58,230 --> 00:06:56,800

and ensuring that it gets to or you know

177

00:06:59,830 --> 00:06:58,240

on its way to the space station safely

178

00:07:01,670 --> 00:06:59,840

it still does checkouts for the next

179

00:07:03,830 --> 00:07:01,680

several hours so but all is looking

180

00:07:05,670 --> 00:07:03,840

great we're not expecting any issues but

181

00:07:09,670 --> 00:07:05,680

yeah we'll be uh out tonight if you want

182

00:07:14,710 --> 00:07:12,469

all right another question

183

00:07:16,390 --> 00:07:14,720

yes right back here uh hi uh tim

184

00:07:17,510 --> 00:07:16,400

fernholz from quartz this is also for

185

00:07:19,270 --> 00:07:17,520

jessica

186

00:07:20,870 --> 00:07:19,280

i know yesterday the launch was scrubbed

187

00:07:23,029 --> 00:07:20,880

for a couple of issues can you talk

188

00:07:25,270 --> 00:07:23,039

through what spacex did to address those

189

00:07:26,469 --> 00:07:25,280

overnight were there technicians inside

190

00:07:28,309 --> 00:07:26,479

the rocket was it something you could

191

00:07:30,070 --> 00:07:28,319

look at from outside just to understand

192

00:07:32,790 --> 00:07:30,080

what happened sure yeah we scrubbed for

193

00:07:34,550 --> 00:07:32,800

one issue yesterday um it was for the

194

00:07:36,390 --> 00:07:34,560

thrust vector controller the thrust

195

00:07:37,510 --> 00:07:36,400

vector controller actuator on the second

196

00:07:39,189 --> 00:07:37,520

stage

197

00:07:41,350 --> 00:07:39,199

we have two actuators on the second

198

00:07:43,270 --> 00:07:41,360

stage and they steer the second stage

199

00:07:44,469 --> 00:07:43,280

nozzle through on the second stage

200

00:07:47,029 --> 00:07:44,479

flight

201
00:07:50,230 --> 00:07:47,039
so what happened was yesterday we run

202
00:07:52,150 --> 00:07:50,240
several checkouts leading up to t0 and

203
00:07:53,830 --> 00:07:52,160
while the behavior we were seeing on the

204
00:07:55,029 --> 00:07:53,840
backup mechanism was within our

205
00:07:57,430 --> 00:07:55,039
allowables

206
00:07:59,270 --> 00:07:57,440
it was slightly out of family for each

207
00:08:00,629 --> 00:07:59,280
of the different checkouts and it was

208
00:08:02,790 --> 00:08:00,639
something that we hadn't really seen

209
00:08:04,710 --> 00:08:02,800
before and just so out of an abundance

210
00:08:07,430 --> 00:08:04,720
of caution we called that actuator

211
00:08:08,790 --> 00:08:07,440
suspect and we decided to

212
00:08:11,189 --> 00:08:08,800
scrub for the day

213
00:08:13,670 --> 00:08:11,199

so we looked further at the data we did

214

00:08:15,510 --> 00:08:13,680

isolate it to the actuator itself and

215

00:08:17,350 --> 00:08:15,520

decided to remove and replace that

216

00:08:19,830 --> 00:08:17,360

actuator last night so yes we did have

217

00:08:22,790 --> 00:08:19,840

to bring the vehicle horizontal and have

218

00:08:23,990 --> 00:08:22,800

technicians go in there and replace it

219

00:08:25,430 --> 00:08:24,000

and then we were doing you know in

220

00:08:26,469 --> 00:08:25,440

parallel with that doing lots of

221

00:08:27,909 --> 00:08:26,479

analysis

222

00:08:29,510 --> 00:08:27,919

checking everything out ensuring that

223

00:08:30,869 --> 00:08:29,520

there wasn't some other you know issue

224

00:08:33,350 --> 00:08:30,879

we were missing

225

00:08:35,670 --> 00:08:33,360

so we replaced the actuator last night

226
00:08:37,750 --> 00:08:35,680
ran checkouts on the pad and then you

227
00:08:39,190 --> 00:08:37,760
know that all went perfectly nominally

228
00:08:40,469 --> 00:08:39,200
and then checked out again today

229
00:08:44,470 --> 00:08:40,479
throughout the count and everything

230
00:08:51,110 --> 00:08:45,990
all right

231
00:08:56,070 --> 00:08:53,910
jay barbary with nbc news uh right now

232
00:08:58,550 --> 00:08:56,080
jessica what's your best guest on when

233
00:09:00,870 --> 00:08:58,560
we'll fly the uncrewed flight

234
00:09:03,190 --> 00:09:00,880
and the crude flight so the uncrewed

235
00:09:05,030 --> 00:09:03,200
flight is aimed for the end of this year

236
00:09:06,630 --> 00:09:05,040
and the crude flight will be next year i

237
00:09:07,910 --> 00:09:06,640
don't i can't give exact dates right now

238
00:09:09,750 --> 00:09:07,920

but yeah we are aiming for the end of

239

00:09:10,949 --> 00:09:09,760

this year and early next year for the

240

00:09:13,590 --> 00:09:10,959

crude flight

241

00:09:15,990 --> 00:09:13,600

and as a follow-up would you please post

242

00:09:18,070 --> 00:09:16,000

on the spacex billboard when you get

243

00:09:21,190 --> 00:09:18,080

over there not to for none of them none

244

00:09:22,870 --> 00:09:21,200

of your spacex drunks to call me

245

00:09:25,350 --> 00:09:22,880

anytime during the night to get them out

246

00:09:27,670 --> 00:09:25,360

of jail i'm tired of doing it

247

00:09:29,110 --> 00:09:27,680

will do

248

00:09:32,310 --> 00:09:29,120

all right a question right here on the

249

00:09:37,190 --> 00:09:34,949

hello kyle brown with media majors um

250

00:09:39,030 --> 00:09:37,200

corresponding for the planetary society

251

00:09:41,110 --> 00:09:39,040

this question is for jessica um given

252

00:09:44,150 --> 00:09:41,120

the successful return to flight from

253

00:09:46,550 --> 00:09:44,160

vandenberg and now from 39a uh what pad

254

00:09:48,070 --> 00:09:46,560

is spacex targeting for the first reuse

255

00:09:50,870 --> 00:09:48,080

stage one booster

256

00:09:52,310 --> 00:09:50,880

uh that will be 39a as well it's the

257

00:09:54,630 --> 00:09:52,320

launch is scheduled for march so it's

258

00:09:57,030 --> 00:09:54,640

coming up very quickly um yeah it's our

259

00:09:59,590 --> 00:09:57,040

ses customer and yeah so look out for it

260

00:10:04,710 --> 00:10:01,110

ken

261

00:10:07,670 --> 00:10:04,720

northeast astronomy forum for for the

262

00:10:09,750 --> 00:10:07,680

faa can you describe a little bit more

263

00:10:12,470 --> 00:10:09,760

uh all the work that you do since this

264

00:10:14,949 --> 00:10:12,480

is brand new for um launching a falcon 9

265

00:10:17,590 --> 00:10:14,959

off of 39a can you describe that in some

266

00:10:20,069 --> 00:10:17,600

detail as well as why did this take till

267

00:10:22,150 --> 00:10:20,079

pretty much the last second almost

268

00:10:23,110 --> 00:10:22,160

friday afternoon to issue the license

269

00:10:27,829 --> 00:10:23,120

thank you

270

00:10:29,030 --> 00:10:27,839

licenses for public safety as well as

271

00:10:30,550 --> 00:10:29,040

national security and foreign policy

272

00:10:32,630 --> 00:10:30,560

interests of the united states our

273

00:10:33,590 --> 00:10:32,640

regulations are devised as such so that

274

00:10:35,590 --> 00:10:33,600

we

275

00:10:37,829 --> 00:10:35,600

make sure that those elements are

276

00:10:40,150 --> 00:10:37,839

addressed and compliant before we issue

277

00:10:41,190 --> 00:10:40,160

a license so specifically for this

278

00:10:42,949 --> 00:10:41,200

launch

279

00:10:43,829 --> 00:10:42,959

we do the same thing we do for every

280

00:10:44,550 --> 00:10:43,839

launch

281

00:10:46,470 --> 00:10:44,560

it's

282

00:10:48,790 --> 00:10:46,480

a great day for spacex and a great day

283

00:10:51,110 --> 00:10:48,800

for 39 alpha but the regulations are the

284

00:10:52,550 --> 00:10:51,120

same regardless where you fly from so

285

00:10:53,670 --> 00:10:52,560

that's a nice thing for the commercial

286

00:10:55,750 --> 00:10:53,680

space industry that you have that

287

00:10:57,829 --> 00:10:55,760

consistency across wherever it from it

288

00:10:59,829 --> 00:10:57,839

also means that effectively our job we

289

00:11:01,910 --> 00:10:59,839

review the same things each time we go

290

00:11:03,910 --> 00:11:01,920

through it vehicles change locations

291

00:11:05,910 --> 00:11:03,920

change absolutely but we do apply the

292

00:11:07,590 --> 00:11:05,920

same approach the same level of rigor

293

00:11:10,069 --> 00:11:07,600

with regard to public safety for every

294

00:11:13,190 --> 00:11:10,079

launch specifically for this flight of

295

00:11:15,990 --> 00:11:13,200

course the license was issued

296

00:11:18,710 --> 00:11:16,000

we have 180 days from the application

297

00:11:20,949 --> 00:11:18,720

acceptance to when we can by law uh when

298

00:11:22,630 --> 00:11:20,959

we can or should by law issue a license

299

00:11:24,069 --> 00:11:22,640

and we were well within that for this

300

00:11:25,990 --> 00:11:24,079

particular launch

301
00:11:27,590 --> 00:11:26,000
we did not issue the license until we

302
00:11:29,190 --> 00:11:27,600
made sure that we did review all of

303
00:11:31,269 --> 00:11:29,200
those regulations to make sure that the

304
00:11:32,550 --> 00:11:31,279
public safety elements were satisfied

305
00:11:33,750 --> 00:11:32,560
but once we had that we went ahead and

306
00:11:35,030 --> 00:11:33,760
issued the launch

307
00:11:37,910 --> 00:11:35,040
for the activity that took place this

308
00:11:41,990 --> 00:11:39,750
because of the amos 6 explosion were

309
00:11:43,670 --> 00:11:42,000
there any complications

310
00:11:45,190 --> 00:11:43,680
for this particular activity we had

311
00:11:46,470 --> 00:11:45,200
previously closed the amos 6

312
00:11:48,069 --> 00:11:46,480
investigation

313
00:11:50,150 --> 00:11:48,079

well in advance of this particular

314

00:11:52,069 --> 00:11:50,160
activity so there wasn't from our

315

00:11:55,190 --> 00:11:52,079
perspective no

316

00:11:59,590 --> 00:11:57,110
uh jim siegel i'm with the celebration

317

00:12:02,870 --> 00:11:59,600
news and space flight insider i have a

318

00:12:05,829 --> 00:12:02,880
follow-up for pam uh based on what uh

319

00:12:07,910 --> 00:12:05,839
what ken was asking um could you tell us

320

00:12:11,269 --> 00:12:07,920
a little bit more about how you

321

00:12:13,350 --> 00:12:11,279
physically oversee the the the process

322

00:12:15,990 --> 00:12:13,360
uh do you have people looking over the

323

00:12:19,110 --> 00:12:16,000
shoulder of the engineers and others at

324

00:12:20,790 --> 00:12:19,120
spacex and are you on the pad or in in

325

00:12:21,990 --> 00:12:20,800
the building where they build up the

326

00:12:24,230 --> 00:12:22,000

rocket

327

00:12:26,150 --> 00:12:24,240

how many people are involved and and how

328

00:12:28,550 --> 00:12:26,160

long a process is this is a one week

329

00:12:29,590 --> 00:12:28,560

process and one month five months

330

00:12:30,870 --> 00:12:29,600

whatever

331

00:12:32,790 --> 00:12:30,880

and that's a great question and it

332

00:12:34,790 --> 00:12:32,800

really goes to insight as to how does

333

00:12:36,389 --> 00:12:34,800

the faa implement that public safety

334

00:12:39,030 --> 00:12:36,399

responsibility that we have and i'm

335

00:12:41,030 --> 00:12:39,040

happy to answer that um the faa

336

00:12:43,030 --> 00:12:41,040

we have 180 days as i previously

337

00:12:45,190 --> 00:12:43,040

mentioned from the time a license is

338

00:12:47,590 --> 00:12:45,200

accepted to when we need to issue a

339

00:12:49,190 --> 00:12:47,600

determination for a particular launch so

340

00:12:50,790 --> 00:12:49,200

that goes to the level of involvement

341

00:12:52,150 --> 00:12:50,800

well in advance that we have with the

342

00:12:53,750 --> 00:12:52,160

companies

343

00:12:55,829 --> 00:12:53,760

and getting ready for and preparing for

344

00:12:57,509 --> 00:12:55,839

the activity with regard to your second

345

00:12:59,590 --> 00:12:57,519

question which i think is closer in once

346

00:13:01,430 --> 00:12:59,600

the license is issued how do we then go

347

00:13:02,710 --> 00:13:01,440

make sure that everything is satisfied

348

00:13:05,190 --> 00:13:02,720

that's through a process we called

349

00:13:06,870 --> 00:13:05,200

safety inspection and we do have people

350

00:13:11,750 --> 00:13:06,880

on site there's a spate safety

351
00:13:15,190 --> 00:13:13,990
inspections of public safety elements

352
00:13:17,110 --> 00:13:15,200
things that are critical for public

353
00:13:18,710 --> 00:13:17,120
safety installation of things that are

354
00:13:20,470 --> 00:13:18,720
critical for public safety so our folks

355
00:13:22,069 --> 00:13:20,480
have been on the ground with spacex now

356
00:13:24,470 --> 00:13:22,079
for weeks and months leading up to this

357
00:13:26,150 --> 00:13:24,480
activity that would include on day of

358
00:13:27,590 --> 00:13:26,160
launch we had two safety inspectors

359
00:13:29,670 --> 00:13:27,600
sitting on console right there in the

360
00:13:31,750 --> 00:13:29,680
spacex launch control center

361
00:13:33,750 --> 00:13:31,760
watching and again we're looking for

362
00:13:35,590 --> 00:13:33,760
compliance demonstration and compliance

363
00:13:37,509 --> 00:13:35,600

you know in advance of the launch the

364

00:13:39,990 --> 00:13:37,519

company in this case spacex told us how

365

00:13:41,670 --> 00:13:40,000

they were planning on meeting our very

366

00:13:42,949 --> 00:13:41,680

important public safety regulations and

367

00:13:47,030 --> 00:13:42,959

we're there to follow up to make sure

368

00:13:50,629 --> 00:13:49,590

have you ever withheld a license in the

369

00:13:52,550 --> 00:13:50,639

past

370

00:13:54,870 --> 00:13:52,560

for any particular launch for any

371

00:13:57,509 --> 00:13:54,880

particular reason

372

00:13:59,110 --> 00:13:57,519

so the any specific instances i won't be

373

00:14:00,790 --> 00:13:59,120

at liberty to talk about because that

374

00:14:02,790 --> 00:14:00,800

would be considered proprietary you can

375

00:14:05,110 --> 00:14:02,800

find information about our any license

376

00:14:07,110 --> 00:14:05,120

we've issued on our website

377

00:14:09,670 --> 00:14:07,120

and it's public knowledge for when we

378

00:14:12,230 --> 00:14:09,680

actually issue a license

379

00:14:15,110 --> 00:14:12,240

all right back over here irene in the

380

00:14:17,670 --> 00:14:15,120

back wait for the mic just for a second

381

00:14:19,829 --> 00:14:17,680

hi irene klotz uh for jessica

382

00:14:21,910 --> 00:14:19,839

um i may not just be understanding how

383

00:14:24,230 --> 00:14:21,920

this system works but um with the clouds

384

00:14:25,910 --> 00:14:24,240

today i was just curious if the um the

385

00:14:28,870 --> 00:14:25,920

autonomous flight

386

00:14:32,310 --> 00:14:28,880

safety system does that give spacex any

387

00:14:35,030 --> 00:14:32,320

anymore leeway to fly um there's no

388

00:14:37,509 --> 00:14:35,040

longer as much line of sight needed for

389

00:14:40,310 --> 00:14:37,519

range safety or does it affect anything

390

00:14:42,629 --> 00:14:40,320

other than the actual detonation of that

391

00:14:44,629 --> 00:14:42,639

system if it should be flying off course

392

00:14:45,750 --> 00:14:44,639

thanks sure so

393

00:14:47,829 --> 00:14:45,760

pam can correct me if i'm wrong but i

394

00:14:49,910 --> 00:14:47,839

believe that most of the weather rules

395

00:14:52,230 --> 00:14:49,920

um don't have as much to do with radar

396

00:14:53,829 --> 00:14:52,240

tracking as they do with vehicle safety

397

00:14:55,430 --> 00:14:53,839

so one of the things you worry about is

398

00:14:57,269 --> 00:14:55,440

building up a charge as you go through

399

00:15:00,069 --> 00:14:57,279

clouds on the vehicle and so that's

400

00:15:02,550 --> 00:15:00,079

independent of um you know range and

401
00:15:04,150 --> 00:15:02,560
radar assets so it would have been the

402
00:15:05,590 --> 00:15:04,160
same you know if those clouds had hung

403
00:15:07,269 --> 00:15:05,600
around longer today and would have been

404
00:15:08,629 --> 00:15:07,279
the right type of clouds we wouldn't

405
00:15:12,069 --> 00:15:08,639
have been able to launch even with our

406
00:15:13,910 --> 00:15:12,079
autonomous flight safety system

407
00:15:15,269 --> 00:15:13,920
all right uh james did you have a

408
00:15:16,710 --> 00:15:15,279
question

409
00:15:22,389 --> 00:15:16,720
yes all right if you come come right

410
00:15:25,430 --> 00:15:24,550
thank you james d in florida today um

411
00:15:26,389 --> 00:15:25,440
jessica i was wondering if you could

412
00:15:28,470 --> 00:15:26,399
tell us

413
00:15:31,030 --> 00:15:28,480

of the boosters you've recovered to date

414

00:15:33,670 --> 00:15:31,040

uh prior to today of course um how many

415

00:15:35,910 --> 00:15:33,680

does spacex consider to be

416

00:15:37,990 --> 00:15:35,920

uh reusable i guess for for additional

417

00:15:39,110 --> 00:15:38,000

flights beyond again we know ses 10

418

00:15:41,269 --> 00:15:39,120

coming up

419

00:15:42,870 --> 00:15:41,279

um and just about the landings in

420

00:15:44,949 --> 00:15:42,880

general i mean can

421

00:15:46,230 --> 00:15:44,959

i guess keep asking is it seem routine

422

00:15:48,470 --> 00:15:46,240

but it does seem to be coming more

423

00:15:51,189 --> 00:15:48,480

routine now um you know is that your

424

00:15:52,949 --> 00:15:51,199

expectation every time now um or or just

425

00:15:55,350 --> 00:15:52,959

kind of where are you at with

426

00:15:57,350 --> 00:15:55,360

your sense of the chance of landing

427

00:15:59,590 --> 00:15:57,360

successes yeah so

428

00:16:01,670 --> 00:15:59,600

um it is our i guess our expectation but

429

00:16:03,189 --> 00:16:01,680

again it's a secondary goal if we do

430

00:16:05,269 --> 00:16:03,199

lose a first stage it does not hurt our

431

00:16:07,509 --> 00:16:05,279

business in any way it only helps our

432

00:16:08,870 --> 00:16:07,519

business when we recover it so again it

433

00:16:10,470 --> 00:16:08,880

does not affect the primary mission at

434

00:16:12,470 --> 00:16:10,480

all we will still deploy satellites into

435

00:16:14,230 --> 00:16:12,480

orbit and dragon into orbit if the first

436

00:16:16,389 --> 00:16:14,240

stage winds up not making it back to

437

00:16:18,629 --> 00:16:16,399

land or not landing on the drone ship

438

00:16:19,749 --> 00:16:18,639

it's not a big deal but like i said you

439

00:16:22,230 --> 00:16:19,759

know when we can get them back it's

440

00:16:24,310 --> 00:16:22,240

great and we can reuse them so right now

441

00:16:27,590 --> 00:16:24,320

as of today this is the eighth one that

442

00:16:29,590 --> 00:16:27,600

we've recovered and we have let's see so

443

00:16:31,430 --> 00:16:29,600

the seven we had before there was one of

444

00:16:33,030 --> 00:16:31,440

them that we used for extensive life

445

00:16:34,389 --> 00:16:33,040

testing in texas i think we had

446

00:16:35,670 --> 00:16:34,399

published some information about that

447

00:16:36,710 --> 00:16:35,680

that we ran it through i can't remember

448

00:16:38,550 --> 00:16:36,720

how many

449

00:16:39,910 --> 00:16:38,560

mission duty cycles or it's equivalent

450

00:16:41,749 --> 00:16:39,920

of a flight and we ran it through i

451
00:16:43,749 --> 00:16:41,759
think eight of those

452
00:16:45,430 --> 00:16:43,759
so we basically took a flown booster and

453
00:16:47,350 --> 00:16:45,440
then put it on our test stand in texas

454
00:16:49,430 --> 00:16:47,360
and just kept running it repeatedly as

455
00:16:52,550 --> 00:16:49,440
if it was seeing flight multiple times

456
00:16:54,710 --> 00:16:52,560
so we would not likely refly that one

457
00:16:57,030 --> 00:16:54,720
all the other ones are looking good and

458
00:16:58,629 --> 00:16:57,040
are potential candidates for reflight

459
00:17:00,389 --> 00:16:58,639
but some we may choose to just do

460
00:17:01,590 --> 00:17:00,399
inspections on which can be very useful

461
00:17:03,189 --> 00:17:01,600
for the company

462
00:17:04,870 --> 00:17:03,199
we also have to work with our customers

463
00:17:07,429 --> 00:17:04,880

to ensure that they are okay with using

464

00:17:08,870 --> 00:17:07,439

reflown rockets so um we haven't decided

465

00:17:10,789 --> 00:17:08,880

which ones are going to which customers

466

00:17:12,390 --> 00:17:10,799

and which ones will be flown but

467

00:17:14,710 --> 00:17:12,400

as we move forward we expect to be able

468

00:17:16,069 --> 00:17:14,720

to refly more of them

469

00:17:17,829 --> 00:17:16,079

okay we're going to take a couple of

470

00:17:19,350 --> 00:17:17,839

social media questions here right now

471

00:17:21,429 --> 00:17:19,360

and then come back

472

00:17:23,510 --> 00:17:21,439

cool thanks um i'm emily for far with

473

00:17:25,270 --> 00:17:23,520

nasa social media um this first ask nasa

474

00:17:26,949 --> 00:17:25,280

question comes from thomas on twitter

475

00:17:29,029 --> 00:17:26,959

and he wants to know how much time does

476
00:17:30,710 --> 00:17:29,039
it take to prepare 39a from one launch

477
00:17:32,470 --> 00:17:30,720
to the next

478
00:17:34,230 --> 00:17:32,480
i can answer that one so it's roughly

479
00:17:36,150 --> 00:17:34,240
two weeks

480
00:17:37,909 --> 00:17:36,160
yep and depending on we added

481
00:17:40,789 --> 00:17:37,919
significantly more blast protection at

482
00:17:42,470 --> 00:17:40,799
39a compared to what we had at pad 40

483
00:17:44,390 --> 00:17:42,480
just based on lessons learned so we're

484
00:17:46,390 --> 00:17:44,400
hoping that the turnaround along with

485
00:17:48,150 --> 00:17:46,400
the massive water daily system that we

486
00:17:49,270 --> 00:17:48,160
now have protected the pad and that we

487
00:17:50,789 --> 00:17:49,280
can actually turn it around pretty

488
00:17:53,110 --> 00:17:50,799

quickly but as of now we're assuming

489

00:17:54,549 --> 00:17:53,120

that's going to take two weeks great

490

00:17:55,669 --> 00:17:54,559

and the second one comes from pauline

491

00:17:57,110 --> 00:17:55,679

what is the reasoning behind the

492

00:17:59,029 --> 00:17:57,120

decision to have the strong back pull

493

00:18:00,549 --> 00:17:59,039

away differently than before

494

00:18:03,669 --> 00:18:00,559

so the reason for the strong back

495

00:18:06,710 --> 00:18:03,679

pulling back differently uh oh man i

496

00:18:08,950 --> 00:18:06,720

forget this one um so partly it's to

497

00:18:10,710 --> 00:18:08,960

help with the umbilicals so we have the

498

00:18:12,789 --> 00:18:10,720

umbilicals that come off the basically

499

00:18:13,830 --> 00:18:12,799

the trends the strongback is what it's

500

00:18:15,990 --> 00:18:13,840

called

501
00:18:18,470 --> 00:18:16,000
all the

502
00:18:19,669 --> 00:18:18,480
all of your electrical and plumbing runs

503
00:18:21,430 --> 00:18:19,679
through there and then those connect to

504
00:18:22,950 --> 00:18:21,440
the vehicle through umbilicals and we'll

505
00:18:24,950 --> 00:18:22,960
be able to make we would say like higher

506
00:18:26,630 --> 00:18:24,960
reliability umbilicals not as long they

507
00:18:28,070 --> 00:18:26,640
won't get caught on things

508
00:18:30,470 --> 00:18:28,080
the way we have the system currently set

509
00:18:34,210 --> 00:18:32,549
all right more questions over here that

510
00:18:36,789 --> 00:18:34,220
go right here on the end

511
00:18:38,789 --> 00:18:36,799
[Music]

512
00:18:40,310 --> 00:18:38,799
uh chris gubhart with nasa space flight

513
00:18:42,070 --> 00:18:40,320

um wondering if you can talk about the

514

00:18:43,750 --> 00:18:42,080

work that still has to be done on pate

515

00:18:44,789 --> 00:18:43,760

for the crude dragon missions coming up

516

00:18:47,029 --> 00:18:44,799

and how

517

00:18:48,549 --> 00:18:47,039

that works going to be balanced with the

518

00:18:50,390 --> 00:18:48,559

cadence of launches that are coming up

519

00:18:52,390 --> 00:18:50,400

on that pad until slick 40 is ready

520

00:18:54,310 --> 00:18:52,400

again sure thing so

521

00:18:56,710 --> 00:18:54,320

um the main thing we have to do is add

522

00:18:58,549 --> 00:18:56,720

the crew accommodation so we're in the

523

00:19:00,549 --> 00:18:58,559

process of building an arm that the crew

524

00:19:02,230 --> 00:19:00,559

will actually you know come out onto

525

00:19:04,390 --> 00:19:02,240

dragon on that at a higher level from

526

00:19:05,510 --> 00:19:04,400

the tower so we have to get all of that

527

00:19:07,510 --> 00:19:05,520

underway

528

00:19:09,110 --> 00:19:07,520

the goal is now that we've had our first

529

00:19:10,630 --> 00:19:09,120

launch at 39a

530

00:19:12,870 --> 00:19:10,640

we'll obviously do inspections after

531

00:19:14,870 --> 00:19:12,880

flight today see how it looks but the

532

00:19:17,669 --> 00:19:14,880

goal is to send most people back over to

533

00:19:19,110 --> 00:19:17,679

pad 40 to start getting that back up

534

00:19:20,310 --> 00:19:19,120

we hope to have that

535

00:19:21,990 --> 00:19:20,320

up and running

536

00:19:25,510 --> 00:19:22,000

you know sooner this you know sometime

537

00:19:26,950 --> 00:19:25,520

this year and that by doing that by

538

00:19:29,190 --> 00:19:26,960

shifting most of our commercial

539

00:19:31,669 --> 00:19:29,200

satellite missions over to pad 40 while

540

00:19:33,110 --> 00:19:31,679

keeping dragon missions at 39a that

541

00:19:34,390 --> 00:19:33,120

we'll be able to spread the missions out

542

00:19:37,110 --> 00:19:34,400

enough so that we can get all the crew

543

00:19:39,430 --> 00:19:37,120

work done in time

544

00:19:41,029 --> 00:19:39,440

um and is the pad um when it was

545

00:19:43,110 --> 00:19:41,039

configured for today's launch is it also

546

00:19:44,470 --> 00:19:43,120

ready to host the first falcon heavy

547

00:19:46,470 --> 00:19:44,480

launcher

548

00:19:47,830 --> 00:19:46,480

for that um i forget the schedule i

549

00:19:51,350 --> 00:19:47,840

don't have the exact date off the top of

550

00:19:53,190 --> 00:19:51,360

my head but it is configured for heavy

551
00:19:55,120 --> 00:19:53,200
all right more questions over here yes

552
00:20:02,470 --> 00:19:55,130
right here

553
00:20:07,270 --> 00:20:05,510
hi i'm sarah lewinspace.com um

554
00:20:08,310 --> 00:20:07,280
for william i was wondering if you could

555
00:20:10,149 --> 00:20:08,320
say what

556
00:20:13,909 --> 00:20:10,159
the crew member's first priority will be

557
00:20:16,230 --> 00:20:13,919
as they start unloading um the cargo

558
00:20:18,310 --> 00:20:16,240
so um the first thing uh we have a lot

559
00:20:19,990 --> 00:20:18,320
of time critical stuff that we bring up

560
00:20:21,669 --> 00:20:20,000
that gets loaded very late into the

561
00:20:23,830 --> 00:20:21,679
vehicle so their their first steps for

562
00:20:26,149 --> 00:20:23,840
the crew will be getting that offloaded

563
00:20:28,149 --> 00:20:26,159

um onto the vehicle and getting into the

564

00:20:30,230 --> 00:20:28,159

experiments i think the one of the first

565

00:20:32,950 --> 00:20:30,240

things is the uh the rodents and getting

566

00:20:34,710 --> 00:20:32,960

them all of our mice set up and in their

567

00:20:36,630 --> 00:20:34,720

accommodations on board

568

00:20:38,789 --> 00:20:36,640

um and then also the ground teams will

569

00:20:41,110 --> 00:20:38,799

be working very hard and very quickly on

570

00:20:43,110 --> 00:20:41,120

the robotics ops as we talked about to

571

00:20:45,029 --> 00:20:43,120

to change out the uh the science that's

572

00:20:48,310 --> 00:20:45,039

in the trunk pull it out and then put it

573

00:20:50,390 --> 00:20:48,320

in its spots uh in orbit and put uh

574

00:20:52,070 --> 00:20:50,400

additional cargo back in that's no

575

00:20:56,070 --> 00:20:52,080

longer being used and to have that

576

00:20:58,870 --> 00:20:57,669

can you say what any of those payloads

577

00:21:00,789 --> 00:20:58,880

that are returning back down in the

578

00:21:02,470 --> 00:21:00,799

trunk are uh i can't remember off the

579

00:21:04,630 --> 00:21:02,480

top of my head i apologize uh i'd have

580

00:21:06,390 --> 00:21:04,640

to get back to you

581

00:21:08,310 --> 00:21:06,400

all right any more questions over here

582

00:21:09,590 --> 00:21:08,320

let's come right over here on the end

583

00:21:14,310 --> 00:21:09,600

then we'll go over to the side of the

584

00:21:18,549 --> 00:21:16,470

that is daddy cesari with the utica

585

00:21:20,149 --> 00:21:18,559

phoenix uh speaking of the falcon heavy

586

00:21:21,750 --> 00:21:20,159

i was hoping to hear if there's going to

587

00:21:22,950 --> 00:21:21,760

be any recovery attempts for the

588

00:21:25,029 --> 00:21:22,960

boosters

589

00:21:26,149 --> 00:21:25,039

yes there will um that's about all i

590

00:21:29,430 --> 00:21:26,159

know but we are definitely planning to

591

00:21:32,149 --> 00:21:29,440

recover the boosters one two three all

592

00:21:36,470 --> 00:21:33,350

all right let's try again let's come

593

00:21:43,430 --> 00:21:36,480

over here on right right here on on this

594

00:21:46,870 --> 00:21:45,830

hi jeff foster space news uh for jessica

595

00:21:48,630 --> 00:21:46,880

maybe you can talk a little bit about

596

00:21:51,190 --> 00:21:48,640

what you're going to be doing to the pad

597

00:21:54,310 --> 00:21:51,200

to inspect it and prep it for the next

598

00:21:56,149 --> 00:21:54,320

launch and for pam what's faa's role in

599

00:21:57,430 --> 00:21:56,159

the review and oversight of that before

600

00:21:59,669 --> 00:21:57,440

issuing a launch license for the next

601
00:22:01,750 --> 00:21:59,679
commercial mission

602
00:22:03,110 --> 00:22:01,760
so the main thing we want to inspect is

603
00:22:05,669 --> 00:22:03,120
all the systems that are critical for

604
00:22:07,590 --> 00:22:05,679
launch so cosmetic damage is no problem

605
00:22:09,350 --> 00:22:07,600
as long as the

606
00:22:12,789 --> 00:22:09,360
electrical wiring and all the plumbing

607
00:22:14,390 --> 00:22:12,799
for our locks kerosene the rp-1 helium

608
00:22:15,510 --> 00:22:14,400
as long as that is all intact that's

609
00:22:17,029 --> 00:22:15,520
what we're really looking for so if

610
00:22:18,549 --> 00:22:17,039
there's any damage to the critical

611
00:22:19,909 --> 00:22:18,559
flight systems we're going to need to

612
00:22:21,350 --> 00:22:19,919
repair those but if there's some

613
00:22:22,710 --> 00:22:21,360

cosmetic damage that's okay that's

614

00:22:23,990 --> 00:22:22,720

actually expected

615

00:22:25,270 --> 00:22:24,000

but that's mainly what we're looking for

616

00:22:27,830 --> 00:22:25,280

making sure the critical systems are

617

00:22:29,029 --> 00:22:27,840

ready for the next flight

618

00:22:30,310 --> 00:22:29,039

great

619

00:22:31,430 --> 00:22:30,320

i'm sorry go ahead i didn't know if you

620

00:22:33,590 --> 00:22:31,440

wanted from my for my part of that

621

00:22:35,270 --> 00:22:33,600

question jeff the uh the faas i've

622

00:22:36,870 --> 00:22:35,280

mentioned before we issue licenses for

623

00:22:38,470 --> 00:22:36,880

public safety

624

00:22:40,710 --> 00:22:38,480

uh national security foreign policy to

625

00:22:42,630 --> 00:22:40,720

united states we will follow the same

626
00:22:44,149 --> 00:22:42,640
process we've done before when we're

627
00:22:45,590 --> 00:22:44,159
certain that those

628
00:22:47,029 --> 00:22:45,600
elements of public safety and our

629
00:22:50,149 --> 00:22:47,039
regulations are satisfied then we'll

630
00:22:56,630 --> 00:22:51,430
all right we'll come over to this side

631
00:23:00,630 --> 00:22:58,549
hi bart leahy space flight insider

632
00:23:02,149 --> 00:23:00,640
questions for pam um

633
00:23:03,830 --> 00:23:02,159
was there extra scrutiny because this is

634
00:23:06,470 --> 00:23:03,840
the first time at the commercial launch

635
00:23:08,390 --> 00:23:06,480
and launch complex 39a and

636
00:23:10,230 --> 00:23:08,400
follow up with that would be now that

637
00:23:12,630 --> 00:23:10,240
you've had the first launch will it be

638
00:23:13,990 --> 00:23:12,640

simpler for spacex licensing going

639

00:23:15,909 --> 00:23:14,000

forward

640

00:23:17,510 --> 00:23:15,919

so that's a great question um and one

641

00:23:19,430 --> 00:23:17,520

i've heard before for me even applicants

642

00:23:21,350 --> 00:23:19,440

does it is the same process perceived

643

00:23:22,950 --> 00:23:21,360

the answer is yes we do the same thing

644

00:23:24,710 --> 00:23:22,960

every time we look at the same

645

00:23:26,230 --> 00:23:24,720

regulations the same regulations apply

646

00:23:28,310 --> 00:23:26,240

for every particular launch you know

647

00:23:29,830 --> 00:23:28,320

with regard to whether or not it's it's

648

00:23:31,590 --> 00:23:29,840

easier or more scrutiny on this

649

00:23:33,909 --> 00:23:31,600

particular launch

650

00:23:35,270 --> 00:23:33,919

we have to satisfy public safety and

651
00:23:37,270 --> 00:23:35,280
those public safety elements that we

652
00:23:38,870 --> 00:23:37,280
have to satisfy are consistent across

653
00:23:39,990 --> 00:23:38,880
all launches from anywhere that we

654
00:23:41,590 --> 00:23:40,000
license

655
00:23:42,870 --> 00:23:41,600
making it easier for them in the future

656
00:23:44,950 --> 00:23:42,880
i would imagine it's probably a little

657
00:23:47,430 --> 00:23:44,960
bit easier for spacex once they kind of

658
00:23:49,029 --> 00:23:47,440
get their processes under a certain

659
00:23:51,029 --> 00:23:49,039
amount of

660
00:23:52,950 --> 00:23:51,039
regular cadence i would imagine but you

661
00:23:54,549 --> 00:23:52,960
know from an faa perspective we have the

662
00:23:56,149 --> 00:23:54,559
same you know thresholds for public

663
00:23:59,110 --> 00:23:56,159

safety element for every particular

664

00:24:00,710 --> 00:23:59,120

license and every particular launch

665

00:24:03,110 --> 00:24:00,720

all right right here

666

00:24:04,870 --> 00:24:03,120

all right ken chang new york times

667

00:24:06,390 --> 00:24:04,880

for jessica what's the condition of 40

668

00:24:08,230 --> 00:24:06,400

and what do what do you have left to do

669

00:24:11,110 --> 00:24:08,240

to make it operational

670

00:24:13,430 --> 00:24:11,120

uh so the condition of 40 is still

671

00:24:14,549 --> 00:24:13,440

uh we haven't spent a lot of time on it

672

00:24:17,190 --> 00:24:14,559

what happened was we did the initial

673

00:24:19,669 --> 00:24:17,200

assessment of 40 after

674

00:24:21,750 --> 00:24:19,679

the amos accident and we looked at where

675

00:24:23,669 --> 00:24:21,760

39a was and we basically made a decision

676

00:24:25,830 --> 00:24:23,679

at that point to prioritize most of our

677

00:24:27,269 --> 00:24:25,840

team over to 39a that was going to be

678

00:24:29,029 --> 00:24:27,279

the quickest way for us to return to

679

00:24:31,190 --> 00:24:29,039

flight in the safest way so we

680

00:24:33,269 --> 00:24:31,200

prioritize most of our team to 39a we

681

00:24:35,269 --> 00:24:33,279

have completed all the inspections at 40

682

00:24:36,549 --> 00:24:35,279

and have done some minor work there but

683

00:24:40,230 --> 00:24:36,559

we really still you know have to do the

684

00:24:45,669 --> 00:24:42,950

yeah did you have a follow-up

685

00:24:48,390 --> 00:24:45,679

all right let's go right right next to

686

00:24:50,230 --> 00:24:48,400

him here we go

687

00:24:52,710 --> 00:24:50,240

uh yeah scott johnson with space flight

688

00:24:56,230 --> 00:24:52,720

insider um i believe this is the third

689

00:24:57,669 --> 00:24:56,240

booster to be returned to land uh i

690

00:24:59,350 --> 00:24:57,679

think the first one during daylight

691

00:25:01,190 --> 00:24:59,360

hours with that in mind will there be

692

00:25:03,590 --> 00:25:01,200

any opportunity for media to go out to

693

00:25:05,190 --> 00:25:03,600

landing zone one and view or photograph

694

00:25:06,870 --> 00:25:05,200

the landed booster

695

00:25:08,149 --> 00:25:06,880

someone from our media team may be able

696

00:25:11,430 --> 00:25:08,159

to answer that i don't know the answer

697

00:25:14,630 --> 00:25:13,190

all right with that

698

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

let's take one more question here real

699

00:25:18,470 --> 00:25:16,320

quickly and then we'll we'll wrap it up

700

00:25:20,549 --> 00:25:18,480

right here on the end

701

00:25:22,149 --> 00:25:20,559

uh for jessica and pam i'm wondering

702

00:25:23,750 --> 00:25:22,159

what the current plans for the expansion

703

00:25:26,470 --> 00:25:23,760

of landing zone one are to accommodate

704

00:25:27,830 --> 00:25:26,480

the falcon heavy cores and for the fas

705

00:25:29,590 --> 00:25:27,840

part of that is there anything different

706

00:25:32,789 --> 00:25:29,600

with three cores coming back two at the

707

00:25:34,149 --> 00:25:32,799

same time one a few minutes later

708

00:25:36,070 --> 00:25:34,159

i actually don't have much information

709

00:25:38,390 --> 00:25:36,080

on that do you know

710

00:25:39,350 --> 00:25:38,400

well i can speak from the faa side

711

00:25:41,190 --> 00:25:39,360

you know

712

00:25:43,190 --> 00:25:41,200

again the the same regulations will

713

00:25:45,350 --> 00:25:43,200

apply when it is in fact three boosters

714

00:25:47,029 --> 00:25:45,360

whether or not it was three or one um we

715

00:25:48,549 --> 00:25:47,039

look forward to working with spacex and

716

00:25:51,110 --> 00:25:48,559

and reviewing those elements once

717

00:25:52,950 --> 00:25:51,120

they're determined um and and from that

718

00:25:54,549 --> 00:25:52,960

perspective once we know all of those

719

00:25:56,149 --> 00:25:54,559

public safety elements and regulations

720

00:25:57,750 --> 00:25:56,159

are satisfied we'll be able to license

721

00:25:59,590 --> 00:25:57,760

it just like we had done something today

722

00:26:00,710 --> 00:25:59,600

only it would be three boosters instead

723

00:26:02,470 --> 00:26:00,720

of one

724

00:26:03,669 --> 00:26:02,480

all right marcia real real short one

725

00:26:05,830 --> 00:26:03,679

because we're

726

00:26:08,789 --> 00:26:05,840

just wrapping up here

727

00:26:11,669 --> 00:26:08,799

um yes marcia ap for jessico so when is

728

00:26:15,990 --> 00:26:11,679

the next target launch from 39a what's

729

00:26:20,070 --> 00:26:17,110

i don't have the data off the top of my

730

00:26:21,750 --> 00:26:20,080

head but it's in approximately two weeks

731

00:26:23,430 --> 00:26:21,760

all right that's going to wrap up our

732

00:26:24,710 --> 00:26:23,440

our briefing now that we're off the

733

00:26:27,110 --> 00:26:24,720

ground and

734

00:26:28,870 --> 00:26:27,120

dragon is heading toward the station for

735

00:26:31,830 --> 00:26:28,880

further information you can go to

736

00:26:33,269 --> 00:26:31,840

www.nasa.gov

737

00:26:35,669 --> 00:26:33,279

station