

 Google+



1
00:00:07,000 --> 00:00:02,360
now we're finally here Bailey had a few

2
00:00:15,950 --> 00:00:12,589
any money back we've got leather serum

3
00:00:24,710 --> 00:00:15,960
as I hang out there i went from space

4
00:00:29,750 --> 00:00:24,720
and all of your questions well you can

5
00:00:34,760 --> 00:00:29,760
see a number by you can almost in

6
00:00:38,150 --> 00:00:34,770
position I'm crazy look at facebook or

7
00:00:42,040 --> 00:00:38,160
on twitter twitter.com / NASA and use

8
00:00:44,479 --> 00:00:42,050
the hashtag hash Ryan hey MA 04 I open

9
00:00:49,190 --> 00:00:44,489
like a section a few mins before that I

10
00:00:53,600 --> 00:00:49,200
care to interesting yeah though a little

11
00:01:21,080 --> 00:00:53,610
bit about it we have CJ John I'm still

12
00:01:23,660 --> 00:01:21,090
stop with today I'm not marry an ancient

13
00:01:28,969 --> 00:01:23,670

build immunity is our precursor to what

14

00:01:31,870 --> 00:01:28,979

would apply so a lot more you tests to

15

00:01:37,630 --> 00:01:31,880

their contents of the system make sure

16

00:01:45,950 --> 00:01:43,819

Britain to it fire two and thank you

17

00:01:50,210 --> 00:01:45,960

thinking where am I that's why i see

18

00:01:53,090 --> 00:01:50,220

barr dentists today's yes that's just a

19

00:01:56,959 --> 00:01:53,100

meeting the memories as Luigi go I mean

20

00:02:00,530 --> 00:01:56,969

that objections which could be most to

21

00:02:02,960 --> 00:02:00,540

failure scenarios and as well as

22

00:02:06,790 --> 00:02:02,970

environmental ditches

23

00:02:18,260 --> 00:02:06,800

the parachute enough cooperation my baby

24

00:02:23,630 --> 00:02:18,270

to LA he won today's yes I remember axis

25

00:02:26,150 --> 00:02:23,640

tracking system from under my hat we're

26

00:02:30,200 --> 00:02:26,160

clear waivers causes military beautiful

27

00:02:38,410 --> 00:02:30,210

um the previous yeah this place is a

28

00:02:47,120 --> 00:02:42,400

perception there boy when you drive you

29

00:02:49,730 --> 00:02:47,130

there generally who loiter on we come on

30

00:02:53,720 --> 00:02:49,740

our do a test fit we attract whole

31

00:02:57,670 --> 00:02:53,730

vehicle how to coupon dissertations if

32

00:03:04,040 --> 00:02:57,680

you're unable to reach boy bunkers and

33

00:03:16,150 --> 00:03:04,050

same so we've always what work and do

34

00:03:32,930 --> 00:03:16,160

now portage braving direction but step

35

00:03:35,920 --> 00:03:32,940

desert were able to so for today as you

36

00:03:39,590 --> 00:03:35,930

can see a whole improperly said that

37

00:03:42,170 --> 00:03:39,600

thank you excuse the wrong system itself

38

00:03:45,050 --> 00:03:42,180

Alpana ones are testing today here's a

39

00:03:47,930 --> 00:03:45,060

treasures verse instead of married for

40

00:03:50,680 --> 00:03:47,940

20 yrs they're deployed to stay wise on

41

00:03:56,229 --> 00:03:50,690

vehicles and to further the shell right

42

00:03:59,750 --> 00:03:56,239

conditions once all the dishes are good

43

00:04:03,350 --> 00:03:59,760

put away the two closed captions remain

44

00:04:15,650 --> 00:04:03,360

here tomorrow I'm doing well under this

45

00:04:42,290 --> 00:04:17,930

you how to take all we mean here to

46

00:04:45,140 --> 00:04:42,300

spread nah our full report they did the

47

00:04:47,750 --> 00:04:45,150

young castle it is a these are the

48

00:04:58,280 --> 00:04:47,760

largest human rated space track purchase

49

00:05:00,710 --> 00:04:58,290

that robber exactly that's what it's

50

00:05:03,410 --> 00:05:00,720

come when we do the test count on a test

51
00:05:06,020 --> 00:05:03,420
he's collected data on board for

52
00:05:10,310 --> 00:05:06,030
continental him from imagery we have

53
00:05:12,970 --> 00:05:10,320
another aircraft a telecommute to

54
00:05:16,640 --> 00:05:12,980
capture imagery and imagery is no

55
00:05:21,080 --> 00:05:16,650
totally stated we were able to do

56
00:05:23,330 --> 00:05:21,090
usually not both testing in addition

57
00:05:25,760 --> 00:05:23,340
after every desk inspect hardware very

58
00:05:29,800 --> 00:05:25,770
girly want to make sure that every

59
00:05:36,230 --> 00:05:29,810
element and immaterial something

60
00:05:37,820 --> 00:05:36,240
visually initiation ami and so every

61
00:05:48,670 --> 00:05:37,830
time we do it too has learned something

62
00:06:04,400 --> 00:05:59,600
comfortable them very robust me I only

63
00:06:07,880 --> 00:06:04,410

look look that's right when we come on

64

00:06:11,330 --> 00:06:07,890

our again in addition system are washing

65

00:06:15,170 --> 00:06:11,340

dishes system or even we want to test

66

00:06:20,210 --> 00:06:15,180

out on civilians injury owes even one

67

00:06:25,340 --> 00:06:20,220

isn't he not necessarily but I but still

68

00:06:54,689 --> 00:06:25,350

at all in other words but we still going

69

00:08:33,420 --> 00:08:30,959

so we're a little time out of energy and

70

00:08:38,579 --> 00:08:33,430

world-class hamper

71

00:08:41,240 --> 00:08:38,589

due to the equation no second stage of

72

00:08:45,900 --> 00:08:41,250

the manger domestic you along for

73

00:08:47,750 --> 00:08:45,910

changing the feeding schedule typical

74

00:08:52,710 --> 00:08:47,760

rebalance from quote a little bit

75

00:08:55,889 --> 00:08:52,720

astrology culinarian capnography today

76

00:09:00,260 --> 00:08:55,899

is I will have to intro first then the

77

00:09:04,760 --> 00:09:03,020

big don't don't worry about it because

78

00:09:09,950 --> 00:09:04,770

it's done well and I guess we also know

79

00:09:12,650 --> 00:09:09,960

that the best way to have problems there

80

00:09:17,150 --> 00:09:12,660

are scenarios become partners will

81

00:09:21,380 --> 00:09:17,160

involve may have highly illogical

82

00:09:41,769 --> 00:09:21,390

scenarios that's good to return that

83

00:10:00,769 --> 00:09:57,019

and there is always control model looks

84

00:10:04,010 --> 00:10:00,779

great let me know this is unable to

85

00:10:06,410 --> 00:10:04,020

home-school video good job exactly this

86

00:10:09,260 --> 00:10:06,420

is the fact that coming out of the

87

00:10:13,699 --> 00:10:09,270

aircraft it really can visit to

88

00:10:17,920 --> 00:10:13,709

different countries of one is the most

89

00:10:23,319 --> 00:10:17,930

gracious vehicle accumulate drink animal

90

00:10:28,660 --> 00:10:26,739

coming up here come away come down these

91

00:10:30,360 --> 00:10:28,670

journals upgrade and there is risk

92

00:10:34,019 --> 00:10:30,370

involved

93

00:10:37,140 --> 00:10:34,029

hello first employed programmer to

94

00:10:40,200 --> 00:10:37,150

programmer void which focuses on the

95

00:10:42,890 --> 00:10:40,210

right conditions and length of your own

96

00:10:47,760 --> 00:10:42,900

person system all this will probably be

97

00:11:07,530 --> 00:10:47,770

on travel has not that'll probably be

98

00:11:15,750 --> 00:11:07,540

more on the radio they're calling up to

99

00:11:18,300 --> 00:11:15,760

them a little little hard to stay right

100

00:11:29,190 --> 00:11:18,310

away but I think in making out down here

101
00:11:35,460 --> 00:11:29,200
right very wide wide against Louisville

102
00:11:38,430 --> 00:11:35,470
will be able to occur due both to the

103
00:11:41,220 --> 00:11:38,440
girls were deployed so further

104
00:11:45,329 --> 00:11:41,230
decelerate under the dude drove he'll

105
00:11:48,240 --> 00:11:45,339
reach bump bump most new jobs will be

106
00:11:49,920 --> 00:11:48,250
cut away and three pilot parachutes will

107
00:11:56,910 --> 00:11:49,930
be border deployed allow for three

108
00:11:58,079 --> 00:11:56,920
hangers hopefully y'all are able to

109
00:12:00,660 --> 00:11:58,089
start making it out a little bit it's

110
00:12:02,790 --> 00:12:00,670
going to a little clearer feel just

111
00:13:02,879 --> 00:12:02,800
right against the saloon at this point

112
00:13:11,230 --> 00:13:06,639
it hard to help all the details of

113
00:13:15,129 --> 00:13:11,240

visually it looks like i'll come down

114

00:13:17,019 --> 00:13:15,139

now main thing is that the one of the

115

00:13:22,509 --> 00:13:17,029

three major should cut away just as

116

00:13:24,490 --> 00:13:22,519

planned is it at this point in a real

117

00:13:27,509 --> 00:13:24,500

return will be blown them all out for

118

00:13:32,819 --> 00:13:27,519

the astronauts them in that state right

119

00:13:39,670 --> 00:13:32,829

folks we gliding comes it'll actually be

120

00:13:41,530 --> 00:13:39,680

landing by that when Landon has a lot of

121

00:13:44,110 --> 00:13:41,540

complications through it let me do

122

00:13:46,240 --> 00:13:44,120

nothing out here we have even though

123

00:13:49,150 --> 00:13:46,250

we're simulating the spacecraft game

124

00:13:51,610 --> 00:13:49,160

plan based on evolved kill structure and

125

00:13:54,519 --> 00:13:51,620

we do have some form attenuation nephews

126

00:13:57,699 --> 00:13:54,529

in order to reduce vehicle but on a real

127

00:14:00,160 --> 00:13:57,709

spacecraft a lan landing I you need

128

00:14:02,100 --> 00:14:00,170

additional attenuation with smooth

129

00:14:05,430 --> 00:14:02,110

additional mass and ordered you to

130

00:14:09,759 --> 00:14:05,440

accomplish that or the Orion spacecraft

131

00:14:13,350 --> 00:14:09,769

we kind of limiting the canons of the

132

00:14:17,829 --> 00:14:13,360

mask and trying to be our objectives in

133

00:14:20,019 --> 00:14:17,839

so we are landing in the ocean to

134

00:14:21,639 --> 00:14:20,029

minimize beautiful systems that we would

135

00:14:23,829 --> 00:14:21,649

use or lat

136

00:14:26,769 --> 00:14:23,839

because if I trust again for pebble

137

00:14:29,619 --> 00:14:26,779

reason right yeah this is a great place

138

00:14:31,449 --> 00:14:29,629

part of why we does not share is we have

139

00:14:33,519 --> 00:14:31,459

good preparation would be arming the air

140

00:14:35,980 --> 00:14:33,529

force and the resources to be able to

141

00:14:38,710 --> 00:14:35,990

accomplish a test like this we're

142

00:14:40,840 --> 00:14:38,720

treating the extraction technique that

143

00:14:43,509 --> 00:14:40,850

have been developed in the past or other

144

00:14:48,069 --> 00:14:43,519

military recent and in general terms

145

00:14:50,290 --> 00:14:48,079

just not here not in any way so we kind

146

00:14:53,499 --> 00:14:50,300

of adapted from the technique of the

147

00:14:56,499 --> 00:14:53,509

ability to extract a simulated is not on

148

00:15:02,249 --> 00:14:56,509

the test platform field do both field

149

00:15:10,359 --> 00:15:07,629

how long with Atlanta I will be 24 miles

150

00:15:13,540 --> 00:15:10,369

an hour with speech bubble level come to

151
00:15:16,449 --> 00:15:13,550
the water and I guess yeah we both knew

152
00:15:20,859 --> 00:15:16,459
a shin is 102 bush right look how can I

153
00:15:22,449 --> 00:15:20,869
do it we did what we actually need right

154
00:15:25,059 --> 00:15:22,459
or the landing the third is just

155
00:15:28,239 --> 00:15:25,069
redundancy yeah the way we're kind of

156
00:15:30,549 --> 00:15:28,249
building a curse just um come does that

157
00:15:34,119 --> 00:15:30,559
have a dream spear shoot for each of

158
00:15:36,669 --> 00:15:34,129
those issues ah and we justified to

159
00:15:44,290 --> 00:15:36,679
avoidable there a cover shoot at the end

160
00:15:46,389 --> 00:15:44,300
time what about here you will have you

161
00:15:52,030 --> 00:15:46,399
because just a little bit on the phone

162
00:15:54,850 --> 00:15:52,040
with us down now right just put the good

163
00:15:57,249 --> 00:15:54,860

area of us down excellent though it

164

00:16:00,340 --> 00:15:57,259

testifies for dinner just everything

165

00:16:02,710 --> 00:16:00,350

looks delicious goodnight what happened

166

00:16:06,369 --> 00:16:02,720

down we're going to wait the remainder

167

00:16:10,329 --> 00:16:06,379

of the pursuit to descend and land we

168

00:16:13,269 --> 00:16:10,339

also have a couple of a wimp at the HIV

169

00:16:15,699 --> 00:16:13,279

penis air travel to another circle and

170

00:16:18,669 --> 00:16:15,709

they're going to drop to a whim pack

171

00:16:22,030 --> 00:16:18,679

which collects after data and it gives

172

00:16:25,109 --> 00:16:22,040

us information of youth in the book

173

00:16:27,819 --> 00:16:25,119

processing evaluate and get the bulk

174

00:16:30,759 --> 00:16:27,829

representational these nursery saw as a

175

00:16:34,720 --> 00:16:30,769

gunfight okay or we call that Stubbs do

176

00:16:37,269 --> 00:16:34,730

land and then once we receive

177

00:16:39,670 --> 00:16:37,279

20 from the safety officer here we go

178

00:16:41,769 --> 00:16:39,680

out and recover all of the hardware that

179

00:16:44,319 --> 00:16:41,779

has landed on the parachute stay out

180

00:16:46,060 --> 00:16:44,329

Phil mistltein can be put together to

181

00:16:48,819 --> 00:16:46,070

collapse the development because they

182

00:16:51,460 --> 00:16:48,829

are can be spread around the desert

183

00:16:53,710 --> 00:16:51,470

floor we have team going out dresses and

184

00:16:57,550 --> 00:16:53,720

they interviewed employee at the job

185

00:17:00,730 --> 00:16:57,560

parachute like Halle Berry and people

186

00:17:03,819 --> 00:17:00,740

after all the others beyond the variety

187

00:17:08,319 --> 00:17:03,829

of honors they're involved traxxas nikon

188

00:17:12,030 --> 00:17:08,329

color 10 / clear relation to try to

189

00:17:16,000 --> 00:17:12,040

better reflect like witness rogue

190

00:17:20,140 --> 00:17:16,010

vampire a lid for those roads between

191

00:17:21,880 --> 00:17:20,150

try to find those but all the harder to

192

00:17:24,579 --> 00:17:21,890

begin will be combined in order to make

193

00:17:26,439 --> 00:17:24,589

sure we can respect it and welcome home

194

00:17:29,140 --> 00:17:26,449

and y'all been working with this for

195

00:17:30,909 --> 00:17:29,150

quite a while all right yeah be do

196

00:17:36,159 --> 00:17:30,919

testing about every three to four months

197

00:17:38,260 --> 00:17:36,169

up here in LA my BG so 35 doesn't show

198

00:17:41,470 --> 00:17:38,270

is important one so we've been working

199

00:17:43,810 --> 00:17:41,480

on it for some time but they we should

200

00:17:46,900 --> 00:17:43,820

have a lot of overlap with custom that

201

00:17:49,600 --> 00:17:46,910

we test every three months on roughly

202

00:17:50,830 --> 00:17:49,610

three and four months okay well thanks

203

00:17:52,600 --> 00:17:50,840

so much for joining us would like it

204

00:17:55,750 --> 00:17:52,610

would get rolling I can handle the more

205

00:17:57,520 --> 00:17:55,760

best Incas we actually tested am going

206

00:18:00,549 --> 00:17:57,530

to show you if you did Brenda use the

207

00:18:03,520 --> 00:18:00,559

vignetting first we've got a record that

208

00:18:06,039 --> 00:18:03,530

30 or 40 earlier this week before the

209

00:18:07,870 --> 00:18:06,049

crew module was actually loaded on plane

210

00:18:10,480 --> 00:18:07,880

and that'll give you a look at that and

211

00:19:34,950 --> 00:18:10,490

then what that was like a book and we're

212

00:19:42,730 --> 00:19:40,119

you can you unique for every one or

213

00:19:52,239 --> 00:19:42,740

throw I'm sure so do drill your shins

214

00:19:53,529 --> 00:19:52,249

are voters are protected yeah yeah well

215

00:19:54,999 --> 00:19:53,539

customer linea what let's just we'll

216

00:20:16,330 --> 00:19:55,009

have a possible but it looks like the

217

00:20:18,639 --> 00:20:16,340

previous testing audio what we're

218

00:20:22,060 --> 00:20:18,649

showing the fetus distant that guy just

219

00:20:24,279 --> 00:20:22,070

a narrator I'm see right now you

220

00:20:25,509 --> 00:20:24,289

actually should be seeing the last as he

221

00:20:27,100 --> 00:20:25,519

thought from the ground I would give you

222

00:20:30,879 --> 00:20:27,110

a different view what it looks like

223

00:20:32,769 --> 00:20:30,889

mayor so this is the pretty sense that

224

00:20:34,509 --> 00:20:32,779

took place few months ago it had a

225

00:20:35,919 --> 00:20:34,519

different failure scenario than we were

226
00:20:38,470 --> 00:20:35,929
testing their time so it looks a little

227
00:20:39,820 --> 00:20:38,480
bit different and just did with the

228
00:20:40,570 --> 00:20:39,830
sketching idea of what would it look

229
00:20:46,090 --> 00:20:40,580
like

230
00:20:58,539 --> 00:20:46,100
35,000 feet away on that's what we shall

231
00:21:02,769 --> 00:20:58,549
I give ities next the capsule i believe

232
00:21:05,860 --> 00:21:02,779
on the plane that in itself is a pretty

233
00:21:08,740 --> 00:21:05,870
big deal the crew I like CJ said earlier

234
00:21:11,980 --> 00:21:08,750
works very hard at work leading up to

235
00:21:14,320 --> 00:21:11,990
this test final event and they made sure

236
00:21:39,539 --> 00:21:14,330
that all systems are correct batteries

237
00:21:51,070 --> 00:21:43,240
bring okay so that was a look at some of

238
00:21:54,519 --> 00:21:51,080

the old John it would be in a proving

239

00:21:56,070 --> 00:21:54,529

ground ball a little bit about Regina

240

00:21:59,889 --> 00:21:56,080

and like I said where public

241

00:22:04,990 --> 00:21:59,899

initialization a busy a really big area

242

00:22:07,899 --> 00:22:05,000

what if needed oh my god pumping yes

243

00:22:11,789 --> 00:22:07,909

only 500 people working around arrange

244

00:22:14,500 --> 00:22:11,799

that modifies of all emerging

245

00:22:20,190 --> 00:22:14,510

roboticized messages for the huge range

246

00:22:26,799 --> 00:22:24,669

initials for money Marine Corps are very

247

00:22:29,340 --> 00:22:26,809

military service the world over foreign

248

00:22:33,370 --> 00:22:29,350

countries normal to their tests on

249

00:22:37,210 --> 00:22:33,380

election eve income fina TV during the

250

00:22:41,080 --> 00:22:37,220

Afghan common operation or in Iraq or

251

00:22:44,049 --> 00:22:41,090

rejecting basis using ground r during

252

00:22:46,529 --> 00:22:44,059

that conflict on because take just

253

00:24:27,020 --> 00:22:46,539

artillery because that parachute

254

00:24:50,010 --> 00:24:47,159

alright hi thanks for having me today

255

00:24:52,680 --> 00:24:50,020

I'm wondering how similar the parachute

256

00:24:54,870 --> 00:24:52,690

system on Orion is to the parachutes

257

00:25:06,950 --> 00:24:54,880

used on other space capsules such as the

258

00:25:14,820 --> 00:25:11,060

follow a lot of the carriages that

259

00:25:17,340 --> 00:25:14,830

person vendors industry has really put a

260

00:25:20,940 --> 00:25:17,350

lot of data and information that's been

261

00:25:23,279 --> 00:25:20,950

Apollo country reflected on the divide

262

00:25:26,330 --> 00:25:23,289

America lose a lot of that is really

263

00:25:29,779 --> 00:25:26,340

debated for Pershing that we have today

264

00:26:05,820 --> 00:25:29,789

in addition to other diplomat have been

265

00:26:07,950 --> 00:26:05,830

void yeah and I'm sorry if I miss this

266

00:26:09,720 --> 00:26:07,960

if you said it before but I'm wondering

267

00:26:11,759 --> 00:26:09,730

if the Orion is designed to land on

268

00:26:33,539 --> 00:26:11,769

water only or will it ever make land

269

00:26:36,090 --> 00:26:33,549

landings okay thanks very much sure good

270

00:26:38,039 --> 00:26:36,100

morning the question I would have is I

271

00:26:40,289 --> 00:26:38,049

understand the Space Shuttle came back

272

00:26:43,950 --> 00:26:40,299

at about 18,000 miles per hour I'm

273

00:26:46,350 --> 00:26:43,960

curious with the maximum speed or the

274

00:26:49,919 --> 00:26:46,360

Space Shuttle came back in about 18,000

275

00:26:52,139 --> 00:26:49,929

miles per hour how fast is Orion

276
00:26:54,000 --> 00:26:52,149
designed you out to come back at how

277
00:27:06,990 --> 00:26:54,010
what's the maximum reentry speed it

278
00:27:10,320 --> 00:27:07,000
could be able to handle relatively very

279
00:27:57,660 --> 00:27:10,330
high speed recipe that is beyond what

280
00:27:57,670 --> 00:28:08,580
okay one other question I would have

281
00:28:17,950 --> 00:28:16,150
okay how many people would you envision

282
00:28:32,800 --> 00:28:17,960
your Ryan taking in these deep space

283
00:28:36,130 --> 00:28:32,810
missions accomplished after initiating

284
00:28:52,060 --> 00:28:36,140
out an almost technicians so really to

285
00:29:12,090 --> 00:28:52,070
marry Julia to a four-pronged no thank

286
00:29:14,970 --> 00:29:12,100
you very much cables that are you

287
00:29:19,890 --> 00:29:14,980
bringing all that help us right now

288
00:29:23,320 --> 00:29:19,900

issues the book views as roughly 10,000

289

00:29:25,390 --> 00:29:23,330

15,000 feet capture first appointment we

290

00:29:26,590 --> 00:29:25,400

have video on board and capturing

291

00:29:30,730 --> 00:29:26,600

imagery for us possibly

292

00:29:33,039 --> 00:29:30,740

analysis okay would you complain picture

293

00:29:35,980 --> 00:29:33,049

everything on principle that's right and

294

00:29:38,110 --> 00:29:35,990

then volunteer we also use it to help in

295

00:29:40,539 --> 00:29:38,120

the search of items that are spread

296

00:29:43,270 --> 00:29:40,549

across the desert for a little and Jason

297

00:29:48,279 --> 00:29:43,280

are risks of going out or recurrent you

298

00:29:50,919 --> 00:29:48,289

join us for you guys all right come

299

00:29:57,640 --> 00:29:50,929

online now and looking at what is that

300

00:30:01,060 --> 00:29:57,650

for failure c'mon well that's one reason

301
00:30:05,799 --> 00:30:01,070
why around here is to learn and for the

302
00:30:08,409 --> 00:30:05,809
first bands launch because we 19 or

303
00:30:10,659 --> 00:30:08,419
drawing program real appreciation will s

304
00:30:12,610 --> 00:30:10,669
to learn if you can failure Bob board

305
00:30:15,190 --> 00:30:12,620
music we would experience a failure

306
00:30:19,560 --> 00:30:15,200
today and feed it into design document

307
00:30:22,570 --> 00:30:19,570
and qualified used up SP half time

308
00:30:24,399 --> 00:30:22,580
domestic duties tests provide that's

309
00:30:27,460 --> 00:30:24,409
nine people to react to builders

310
00:30:34,090 --> 00:30:27,470
differently to be determined in order to

311
00:30:36,220 --> 00:30:34,100
online go before this as you get this

312
00:30:39,159 --> 00:30:36,230
diverse dish coming up this year for

313
00:30:49,539 --> 00:30:39,169

another 15 for that disease death with

314

00:30:52,000 --> 00:30:49,549

an hour XD dad if you look on 50th 12 by

315

00:30:55,200 --> 00:30:52,010

coming up in the next year we have done

316

00:32:36,759 --> 00:30:55,210

enough testing to have left oakland in

317

00:33:15,680 --> 00:32:55,869

our than our new sewer line really what

318

00:33:19,700 --> 00:33:15,690

you are Marvel our team the work of a

319

00:33:24,709 --> 00:33:19,710

lot of people motivated by the macro

320

00:33:29,149 --> 00:33:24,719

reworked one and then athletics like

321

00:34:31,840 --> 00:33:29,159

they generate steam and thermal amazing

322

00:34:42,470 --> 00:34:36,050

we go out tonight and certifying where

323

00:34:45,500 --> 00:34:42,480

they are sending out are you cable

324

00:34:47,889 --> 00:34:45,510

diseases department that are on there

325

00:34:51,800 --> 00:34:47,899

before anybody else a motor vehicle

326

00:34:55,300 --> 00:34:51,810

usually we believe my Minnesota and then

327

00:34:58,300 --> 00:34:55,310

so can refer people to the green light

328

00:35:01,600 --> 00:34:58,310

to be able and nurse study now a

329

00:35:04,340 --> 00:35:01,610

non-existent no we have for the logic

330

00:35:06,620 --> 00:35:04,350

and they're recovering the piers basis

331

00:35:08,540 --> 00:35:06,630

of a huge deserving what we want to get

332

00:35:12,860 --> 00:35:08,550

them out of the Sun Life Community

333

00:35:16,100 --> 00:35:12,870

exposure can affect the Avengers cereal

334

00:35:20,350 --> 00:35:16,110

bowl on tourism in effect against

335

00:35:27,250 --> 00:35:20,360

volquez will be under lawmakers back

336

00:35:30,440 --> 00:35:27,260

Phoenix Arizona Texas own there's a

337

00:35:36,380 --> 00:35:30,450

different of the hardware and that need

338

00:35:38,840 --> 00:35:36,390

a pyrotechnic in order to perform though

339

00:35:42,530 --> 00:35:38,850

when an applicant is making tab for the

340

00:35:45,859 --> 00:35:42,540

drogue parachute mortgage or borders our

341

00:35:48,079 --> 00:35:45,869

entire second device they shoot

342

00:35:51,109 --> 00:35:48,089

jiggles packing a bag shooted like a

343

00:37:01,339 --> 00:35:51,119

channel so pretend like the actors due

344

00:37:07,849 --> 00:37:01,349

to the canon law and order and they are

345

00:37:11,900 --> 00:37:07,859

two pairs parachute or a multiple

346

00:37:13,670 --> 00:37:11,910

graphic arts atmosphere they are

347

00:37:15,979 --> 00:37:13,680

designed for a different metal

348

00:37:18,829 --> 00:37:15,989

environmental conditions primarily they

349

00:37:20,440 --> 00:37:18,839

are poisonous to responding in other

350

00:37:23,140 --> 00:37:20,450

words of this graph traveling

351

00:37:25,759 --> 00:37:23,150

possibility because now little dirty boy

352

00:37:28,039 --> 00:37:25,769

the different kind of traditional

353

00:37:30,920 --> 00:37:28,049

environment appearance of blinding we

354

00:37:34,190 --> 00:37:30,930

meet those conditions can be there soon

355

00:37:40,789 --> 00:37:34,200

niggardly employed by blocking for on

356

00:37:43,039 --> 00:37:40,799

the order of hundreds of mock now just a

357

00:37:44,900 --> 00:37:43,049

few days off one of the thing you do

358

00:37:51,799 --> 00:37:44,910

that though enterprise is what do you

359

00:37:55,320 --> 00:37:51,809

want more and trying to work so we have

360

00:37:59,350 --> 00:37:55,330

lots of a factor in her troop so

361

00:38:03,250 --> 00:37:59,360

has worked on planetary very simple and

362

00:38:14,950 --> 00:38:03,260

we all learn from me colored on on the

363

00:38:17,980 --> 00:38:14,960

bowl because you can find and one of my

364

00:38:20,410 --> 00:38:17,990

bigger concern is it won't landed

365

00:38:42,880 --> 00:38:20,420

mystical picture of all of all the

366

00:38:45,250 --> 00:38:42,890

sunrise very both their go out five

367

00:38:47,320 --> 00:38:45,260

first open and the reason they're doing

368

00:38:50,140 --> 00:38:47,330

that is be able to achieve an entropy

369

00:38:53,410 --> 00:38:50,150

won't come back earthly answer that

370

00:38:56,860 --> 00:38:53,420

stimulates emissions from either food or

371

00:38:58,780 --> 00:38:56,870

an asteroid and evaluates the parts of

372

00:39:02,410 --> 00:38:58,790

our thermal protection system of acute

373

00:39:19,240 --> 00:39:02,420

skill which is a really important of the

374

00:39:25,260 --> 00:39:19,250

designation of alarm oh I'm sorry I

375

00:39:30,550 --> 00:39:28,540

I do actually thank you yeah I'm

376

00:39:32,830 --> 00:39:30,560

wondering is the parachute parachute

377

00:39:35,080 --> 00:39:32,840

system that you tested today the same

378

00:39:36,970 --> 00:39:35,090

system in all its specifications that

379

00:40:05,100 --> 00:39:36,980

will be sent on the first test flight in

380

00:40:05,110 --> 00:40:15,300

flying for the get drunk like challenger

381

00:40:20,710 --> 00:40:18,190

yeah can you tell us some more broadly

382

00:40:22,570 --> 00:40:20,720

Howard plans coming along for the first

383

00:40:28,270 --> 00:40:22,580

crude test flight and is that still

384

00:40:32,230 --> 00:40:30,000

you

385

00:40:36,340 --> 00:40:32,240

as a dry program

386

00:41:51,720 --> 00:40:36,350

you look at the mission to Mission do we

387

00:41:54,970 --> 00:41:51,730

have actually already disappearing of

388

00:42:13,840 --> 00:41:54,980

accumulation will test and evaluation

389

00:42:15,580 --> 00:42:13,850

our earth one sorry about that I was

390

00:42:17,740 --> 00:42:15,590

just wondering you know when we might

391

00:43:14,350 --> 00:42:17,750

know when today's test is likely to be

392

00:43:19,550 --> 00:43:17,690

earlier it you're then in constant

393

00:43:23,560 --> 00:43:19,560

obsession we got away it caught up the

394

00:43:27,320 --> 00:43:23,570

other person that's right looking at the

395

00:43:38,030 --> 00:43:27,330

visually today to look like the dental