



DR. NADIA DRAKE  
NASA UAP STUDY

1  
00:00:04,190 --> 00:00:00,850

[Music]

2  
00:00:06,020 --> 00:00:04,200

this is David Marler UFO researcher and

3  
00:00:09,710 --> 00:00:06,030

you're listening to that UFO podcast

4  
00:00:12,230 --> 00:00:09,720

[Music]

5  
00:00:14,870 --> 00:00:12,240

hi everyone and welcome back to that UFO

6  
00:00:17,090 --> 00:00:14,880

podcast my guest today I'm very excited

7  
00:00:19,970 --> 00:00:17,100

to say is a freelance science journalist

8  
00:00:21,950 --> 00:00:19,980

physics editor at quanta magazine and

9  
00:00:24,710 --> 00:00:21,960

former contributing writer at National

10  
00:00:27,050 --> 00:00:24,720

Geographic she specializes in covering

11  
00:00:29,330 --> 00:00:27,060

astronomy astrophysics and planetary

12  
00:00:32,150 --> 00:00:29,340

science most recently she has appeared

13  
00:00:35,030 --> 00:00:32,160

as part of NASA's independent study into

14  
00:00:36,770 --> 00:00:35,040  
unidentified anomalous phenomena I could

15  
00:00:38,389 --> 00:00:36,780  
say Ariel but we'll go with anomalists

16  
00:00:40,549 --> 00:00:38,399  
and we'll get back to that I'd like to

17  
00:00:42,650 --> 00:00:40,559  
welcome Dr Nadia Drake Nadia welcome

18  
00:00:43,569 --> 00:00:42,660  
thank you it's so good to be chatting

19  
00:00:46,190 --> 00:00:43,579  
with you

20  
00:00:49,190 --> 00:00:46,200  
incredibly good to have you on and um we

21  
00:00:50,930 --> 00:00:49,200  
started arranging this way back when I

22  
00:00:53,209 --> 00:00:50,940  
think um you were one of the first names

23  
00:00:54,590 --> 00:00:53,219  
I saw on the list of people that were

24  
00:00:56,810 --> 00:00:54,600  
going to be part of the study that we're

25  
00:00:58,369 --> 00:00:56,820  
going to talk about and I'm very glad to

26

00:01:00,049 --> 00:00:58,379

say the only one I reached out to and

27

00:01:02,150 --> 00:01:00,059

the only one that you know replied they

28

00:01:04,250 --> 00:01:02,160

had to so yeah thanks for the green to

29

00:01:06,890 --> 00:01:04,260

come on and kind of stick in with it

30

00:01:09,890 --> 00:01:06,900

um listen your background Nadia how did

31

00:01:12,170 --> 00:01:09,900

you get involved eventually in the UFO

32

00:01:14,330 --> 00:01:12,180

topic do you have an interest in UFOs at

33

00:01:15,530 --> 00:01:14,340

all and how far does that back if you

34

00:01:18,289 --> 00:01:15,540

have one

35

00:01:20,570 --> 00:01:18,299

I have I would say I have an interest in

36

00:01:23,450 --> 00:01:20,580

looking for life beyond Earth regardless

37

00:01:25,130 --> 00:01:23,460

of how it might show up and so that's

38

00:01:26,870 --> 00:01:25,140

something that I've been

39

00:01:28,310 --> 00:01:26,880

focusing on

40

00:01:30,410 --> 00:01:28,320

um in my professional work as a

41

00:01:32,210 --> 00:01:30,420

journalist as you said I cover astronomy

42

00:01:35,090 --> 00:01:32,220

astrophysics planetary science a lot of

43

00:01:37,249 --> 00:01:35,100

that is astrobiology looking at the

44

00:01:39,350 --> 00:01:37,259

various ways that scientists are trying

45

00:01:40,609 --> 00:01:39,360

to answer the question are we alone in

46

00:01:44,270 --> 00:01:40,619

the universe

47

00:01:48,649 --> 00:01:44,280

and so I guess you know in a sense

48

00:01:51,350 --> 00:01:48,659

um UFOs could fall under that umbrella

49

00:01:53,810 --> 00:01:51,360

um but the topic itself I would say has

50

00:01:56,090 --> 00:01:53,820

been more of a it's been a phenomenon

51  
00:01:57,170 --> 00:01:56,100  
that I've observed kind of from the

52  
00:01:58,730 --> 00:01:57,180  
sidelines

53  
00:02:01,310 --> 00:01:58,740  
mostly

54  
00:02:02,690 --> 00:02:01,320  
and is that sensible do you think in

55  
00:02:04,670 --> 00:02:02,700  
that line of work when you hear

56  
00:02:07,310 --> 00:02:04,680  
astronomy astrophysics planetary science

57  
00:02:09,770 --> 00:02:07,320  
you think and I'm a geek so I can say

58  
00:02:11,930 --> 00:02:09,780  
this you think Geeks Star Trek Star Wars

59  
00:02:14,270 --> 00:02:11,940  
everyone's going to benefit your science

60  
00:02:16,729 --> 00:02:14,280  
fiction so you would imagine it would

61  
00:02:18,589 --> 00:02:16,739  
still be quite popular but does this is

62  
00:02:21,290 --> 00:02:18,599  
there still a stigma that holds people

63  
00:02:23,270 --> 00:02:21,300

back from maybe proclaiming that love

64

00:02:26,390 --> 00:02:23,280

I think they're well there definitely is

65

00:02:27,650 --> 00:02:26,400

a stigma surrounding um the topic of we

66

00:02:29,210 --> 00:02:27,660

can call them UAP or you have whatever

67

00:02:32,390 --> 00:02:29,220

you want to call them

68

00:02:34,729 --> 00:02:32,400

um I am a huge science nerd science geek

69

00:02:37,010 --> 00:02:34,739

I love Star Trek Star Wars sci-fi it's

70

00:02:38,809 --> 00:02:37,020

all great

71

00:02:40,610 --> 00:02:38,819

um and I love some of the ways in which

72

00:02:41,809 --> 00:02:40,620

people imagine other worlds in the

73

00:02:43,250 --> 00:02:41,819

future

74

00:02:44,630 --> 00:02:43,260

um but certainly within the scientific

75

00:02:46,070 --> 00:02:44,640

Community I think there really is a

76

00:02:48,530 --> 00:02:46,080

stigma associated with thinking about

77

00:02:50,869 --> 00:02:48,540

UFOs UAP

78

00:02:52,910 --> 00:02:50,879

um from a scientific perspective and

79

00:02:54,170 --> 00:02:52,920

that is that has been a problem for some

80

00:02:56,449 --> 00:02:54,180

of my colleagues on the panel

81

00:02:58,009 --> 00:02:56,459

particularly the scientists

82

00:02:59,509 --> 00:02:58,019

um they were getting criticisms from

83

00:03:02,089 --> 00:02:59,519

other scientists within the community

84

00:03:03,830 --> 00:03:02,099

asking them you know why are you wasting

85

00:03:06,890 --> 00:03:03,840

your time looking at this what's the

86

00:03:08,390 --> 00:03:06,900

point so that certainly does exist

87

00:03:10,190 --> 00:03:08,400

we're going to get back to a little bit

88

00:03:12,410 --> 00:03:10,200

of that criticism as well when we look

89

00:03:14,470 --> 00:03:12,420

at the NASA study but it would be remiss

90

00:03:16,729 --> 00:03:14,480

to not talk about your father for anyone

91

00:03:19,250 --> 00:03:16,739

familiar with the name Drake in this

92

00:03:21,589 --> 00:03:19,260

field at your father Frank Drake is

93

00:03:23,750 --> 00:03:21,599

famously the flank Drake of Drake's

94

00:03:25,550 --> 00:03:23,760

equation and that's something I'm going

95

00:03:27,949 --> 00:03:25,560

to hand over to you if you could explain

96

00:03:29,690 --> 00:03:27,959

to anyone listening who most folks will

97

00:03:31,130 --> 00:03:29,700

have heard of it but what is the Drake

98

00:03:37,490 --> 00:03:31,140

equation

99

00:03:39,350 --> 00:03:37,500

um is really cool it's a formula that

100

00:03:41,690 --> 00:03:39,360

estimates how many detectable

101  
00:03:44,630 --> 00:03:41,700  
extraterrestrial civilizations are in

102  
00:03:47,570 --> 00:03:44,640  
the Milky Way galaxy and it does that by

103  
00:03:49,729 --> 00:03:47,580  
considering a handful of variables

104  
00:03:51,830 --> 00:03:49,739  
and essentially if you consider each

105  
00:03:54,110 --> 00:03:51,840  
variable and you give it a value you can

106  
00:03:55,309 --> 00:03:54,120  
multiply them all together and come up

107  
00:03:57,589 --> 00:03:55,319  
with an answer for how many

108  
00:03:59,509 --> 00:03:57,599  
civilizations we might be able to detect

109  
00:04:01,729 --> 00:03:59,519  
in the Milky Way

110  
00:04:03,470 --> 00:04:01,739  
um it's gotten some criticism because

111  
00:04:05,570 --> 00:04:03,480  
people say you know it's not really an

112  
00:04:07,789 --> 00:04:05,580  
equation it doesn't have constants it

113  
00:04:09,949 --> 00:04:07,799

doesn't give you a single answer

114

00:04:12,050 --> 00:04:09,959

so the way I like to think about it is

115

00:04:14,289 --> 00:04:12,060

more as a framework it's a thought

116

00:04:17,629 --> 00:04:14,299

experiment I think it's a really great

117

00:04:20,030 --> 00:04:17,639

way to look at the logic involved in

118

00:04:22,250 --> 00:04:20,040

answering a question that's that big

119

00:04:23,950 --> 00:04:22,260

so you know if we want to know how many

120

00:04:26,390 --> 00:04:23,960

civilizations exist in the Milky Way

121

00:04:28,850 --> 00:04:26,400

what do we need to know to arrive at

122

00:04:30,590 --> 00:04:28,860

that answer and that's what Dad did was

123

00:04:32,629 --> 00:04:30,600

he started asking those questions what

124

00:04:34,249 --> 00:04:32,639

are the factors that are important and

125

00:04:37,249 --> 00:04:34,259

he got things like you know we need

126  
00:04:39,230 --> 00:04:37,259  
stars because planets exist around Stars

127  
00:04:41,030 --> 00:04:39,240  
we need to know how many

128  
00:04:42,710 --> 00:04:41,040  
you know the fraction of those stars

129  
00:04:44,330 --> 00:04:42,720  
that host planets how many habitable

130  
00:04:46,990 --> 00:04:44,340  
worlds there might be per planetary

131  
00:04:49,070 --> 00:04:47,000  
system how often life evolves how often

132  
00:04:51,110 --> 00:04:49,080  
civilizations develop detectable

133  
00:04:52,670 --> 00:04:51,120  
technologies that kind of thing so just

134  
00:04:54,409 --> 00:04:52,680  
like following

135  
00:04:56,450 --> 00:04:54,419  
following connecting the dots between

136  
00:04:58,129 --> 00:04:56,460  
asking the question and knowing what you

137  
00:05:01,070 --> 00:04:58,139  
need to know to get there

138  
00:05:03,170 --> 00:05:01,080

famously Samuel L Jackson said that he

139

00:05:04,969 --> 00:05:03,180

gets almost daily people go up to him in

140

00:05:07,189 --> 00:05:04,979

the street and try and recite back his

141

00:05:08,870 --> 00:05:07,199

famous Pulp Fiction monologue and people

142

00:05:10,490 --> 00:05:08,880

never get it right and I just wonder how

143

00:05:12,890 --> 00:05:10,500

often your dad was approached and people

144

00:05:14,390 --> 00:05:12,900

would try and recite back that equation

145

00:05:15,850 --> 00:05:14,400

to him and either get a bit stronger

146

00:05:18,170 --> 00:05:15,860

leave bits out I've got my own

147

00:05:20,210 --> 00:05:18,180

horrendously bastardized version of it

148

00:05:22,550 --> 00:05:20,220

which is if there's this many you know

149

00:05:24,230 --> 00:05:22,560

solar systems and if those solar systems

150

00:05:26,330 --> 00:05:24,240

have stars and if so many of those stars

151  
00:05:27,950 --> 00:05:26,340  
have this and it just goes down that way

152  
00:05:29,450 --> 00:05:27,960  
and then essentially it's then there

153  
00:05:31,730 --> 00:05:29,460  
must be thousands of other civilizations

154  
00:05:33,590 --> 00:05:31,740  
out there which I'm sure your father

155  
00:05:36,050 --> 00:05:33,600  
would be ashamed of hearing but I'm sure

156  
00:05:38,870 --> 00:05:36,060  
he had far worse as well

157  
00:05:42,110 --> 00:05:38,880  
he was he was always amused by the fact

158  
00:05:44,270 --> 00:05:42,120  
that the equation was so recognizable

159  
00:05:45,890 --> 00:05:44,280  
um he was very very humble and so he

160  
00:05:48,770 --> 00:05:45,900  
never went around tooting his own horn

161  
00:05:50,570 --> 00:05:48,780  
he didn't think it was that interesting

162  
00:05:53,270 --> 00:05:50,580  
um and when he was writing the equation

163  
00:05:55,670 --> 00:05:53,280

it was really just because he needed to

164

00:05:57,529 --> 00:05:55,680

organize the agenda for a meeting

165

00:05:58,909 --> 00:05:57,539

so he had all these people coming in for

166

00:06:01,010 --> 00:05:58,919

a meeting and he needed to figure out

167

00:06:03,590 --> 00:06:01,020

what to do for a couple of days

168

00:06:05,810 --> 00:06:03,600

and that's how the equation came about

169

00:06:08,689 --> 00:06:05,820

and and for him it was just super weird

170

00:06:11,029 --> 00:06:08,699

that even you know 50 or 60 years later

171

00:06:12,890 --> 00:06:11,039

it's on the side of a U-Haul Van in the

172

00:06:14,090 --> 00:06:12,900

states people are getting it tattooed on

173

00:06:16,010 --> 00:06:14,100

themselves

174

00:06:18,710 --> 00:06:16,020

um you know it's everywhere and

175

00:06:20,870 --> 00:06:18,720

uh yeah here's always amused by that

176

00:06:22,909 --> 00:06:20,880

well it's certainly the thing is is most

177

00:06:24,409 --> 00:06:22,919

well known by around the world and but

178

00:06:26,570 --> 00:06:24,419

to be fair and you see the measure of a

179

00:06:29,510 --> 00:06:26,580

man is those other things and I read on

180

00:06:31,370 --> 00:06:29,520

your site that he was a volunteer as a

181

00:06:33,170 --> 00:06:31,380

suicide prevention counselor as well for

182

00:06:34,730 --> 00:06:33,180

nine years and that was incredibly

183

00:06:36,230 --> 00:06:34,740

important to him so for anyone who

184

00:06:37,850 --> 00:06:36,240

didn't know that I think that just says

185

00:06:40,610 --> 00:06:37,860

a lot about the man himself and I wonder

186

00:06:42,350 --> 00:06:40,620

how does that equation and your father's

187

00:06:43,790 --> 00:06:42,360

work still play a role in your life

188

00:06:46,129 --> 00:06:43,800

today

189

00:06:48,529 --> 00:06:46,139

yeah well I just wanted to say that one

190

00:06:50,990 --> 00:06:48,539

of one of the things about Dad that

191

00:06:52,850 --> 00:06:51,000

I loved was if you asked him you know

192

00:06:54,590 --> 00:06:52,860

what do you think

193

00:06:57,469 --> 00:06:54,600

was the most important thing you ever

194

00:06:59,090 --> 00:06:57,479

did your most important contribution it

195

00:07:02,210 --> 00:06:59,100

was working for the suicide prevention

196

00:07:04,070 --> 00:07:02,220

crisis hotline it was not his science he

197

00:07:08,029 --> 00:07:04,080

he loved his science and he thought it

198

00:07:09,950 --> 00:07:08,039

was great but for him the real

199

00:07:12,770 --> 00:07:09,960

thing that he was the most proud of was

200

00:07:14,749 --> 00:07:12,780

was helping people and so

201  
00:07:16,189 --> 00:07:14,759  
that's something that I think is just a

202  
00:07:17,749 --> 00:07:16,199  
really beautiful part of his personality

203  
00:07:19,309 --> 00:07:17,759  
that maybe not a lot of people got to

204  
00:07:20,990 --> 00:07:19,319  
know about

205  
00:07:22,909 --> 00:07:21,000  
um but it is part of his personality

206  
00:07:35,170 --> 00:07:22,919  
that it has impacted

207  
00:07:40,309 --> 00:07:37,909  
I've had many people's pets uh make an

208  
00:07:43,070 --> 00:07:40,319  
appearance on the podcast so

209  
00:07:44,089 --> 00:07:43,080  
um I was gonna say so the funny thing is

210  
00:07:45,950 --> 00:07:44,099  
that

211  
00:07:47,749 --> 00:07:45,960  
you know I grew up with Frank Drake and

212  
00:07:49,370 --> 00:07:47,759  
I grew up kind of knowing what it was

213  
00:07:51,230 --> 00:07:49,380

that he was interested in but I didn't

214

00:07:54,170 --> 00:07:51,240

have a very solid

215

00:07:56,510 --> 00:07:54,180

scientific framework or grounding in it

216

00:07:58,670 --> 00:07:56,520

until I started working as a reporter

217

00:08:00,230 --> 00:07:58,680

and until I started specializing in

218

00:08:02,150 --> 00:08:00,240

astronomy reporting and that was when I

219

00:08:04,490 --> 00:08:02,160

really started to learn about

220

00:08:06,770 --> 00:08:04,500

the questions that Dad was interested in

221

00:08:09,170 --> 00:08:06,780

and you know his impact on the field of

222

00:08:12,170 --> 00:08:09,180

astrobiology and also just how tricky it

223

00:08:14,450 --> 00:08:12,180

is to go about trying to figure out if

224

00:08:16,670 --> 00:08:14,460

Earth is the only populated planet in

225

00:08:18,710 --> 00:08:16,680

the cosmos you know how hard is that

226

00:08:20,450 --> 00:08:18,720

question to answer and it turns out it's

227

00:08:22,490 --> 00:08:20,460

hard

228

00:08:24,529 --> 00:08:22,500

well it seems like you have carved out

229

00:08:26,510 --> 00:08:24,539

your own unique Niche within this

230

00:08:29,029 --> 00:08:26,520

community uh at least the start of one

231

00:08:31,369 --> 00:08:29,039

and getting involved in the NASA study

232

00:08:32,690 --> 00:08:31,379

that was announced in 2022 back in

233

00:08:35,389 --> 00:08:32,700

October

234

00:08:37,550 --> 00:08:35,399

um the the purpose of the study confused

235

00:08:40,370 --> 00:08:37,560

a lot of folks or it was misunderstood

236

00:08:42,230 --> 00:08:40,380

and I don't think that's unfair given

237

00:08:45,230 --> 00:08:42,240

you know NASA loves a statement a press

238

00:08:47,389 --> 00:08:45,240

release and people say NASA UAP they're

239

00:08:49,009 --> 00:08:47,399

studying UAP they've got archives and

240

00:08:50,870 --> 00:08:49,019

they can go into the whole conspiracy

241

00:08:53,090 --> 00:08:50,880

around you know NASA's never a straight

242

00:08:54,530 --> 00:08:53,100

answer and all that good stuff but

243

00:08:56,269 --> 00:08:54,540

essentially we were trying to bring it

244

00:08:58,910 --> 00:08:56,279

into modern days and look at it as you

245

00:09:01,130 --> 00:08:58,920

know this is a day a day Zero for NASA

246

00:09:03,829 --> 00:09:01,140

and if you don't mind can you clear up

247

00:09:04,670 --> 00:09:03,839

what was the study and what was it meant

248

00:09:06,970 --> 00:09:04,680

to be

249

00:09:09,530 --> 00:09:06,980

yeah I think I think a lot of people

250

00:09:12,769 --> 00:09:09,540

when the initial press release came out

251  
00:09:15,410 --> 00:09:12,779  
in June of last year assumed that it was

252  
00:09:17,570 --> 00:09:15,420  
going to be something else entirely

253  
00:09:19,970 --> 00:09:17,580  
um I think a lot of people made the

254  
00:09:23,329 --> 00:09:19,980  
assumption that we were going to be

255  
00:09:26,150 --> 00:09:23,339  
digging into case reports coming up with

256  
00:09:28,070 --> 00:09:26,160  
some kind of conclusion about the nature

257  
00:09:30,350 --> 00:09:28,080  
and origin of UAP when that wasn't

258  
00:09:33,290 --> 00:09:30,360  
that's not the point at all

259  
00:09:36,710 --> 00:09:33,300  
um the point is to come up with a road

260  
00:09:40,009 --> 00:09:36,720  
map that NASA can follow if the agency

261  
00:09:42,170 --> 00:09:40,019  
wants to look at UAP scientifically

262  
00:09:43,850 --> 00:09:42,180  
and so we have a statement of task

263  
00:09:47,090 --> 00:09:43,860

there's you know eight or nine questions

264

00:09:48,050 --> 00:09:47,100

I always forget the number and they are

265

00:09:49,790 --> 00:09:48,060

asking us to come up with

266

00:09:52,610 --> 00:09:49,800

recommendations about

267

00:09:55,009 --> 00:09:52,620

which data sets already exist that NASA

268

00:09:57,829 --> 00:09:55,019

might be able to work with what kinds of

269

00:09:59,750 --> 00:09:57,839

data could the agency gather that would

270

00:10:02,570 --> 00:09:59,760

maybe be informative when it comes to

271

00:10:04,670 --> 00:10:02,580

studying UAP what sorts of reporting

272

00:10:07,130 --> 00:10:04,680

procedures could be implemented to kind

273

00:10:07,970 --> 00:10:07,140

of standardize the reports that do come

274

00:10:13,310 --> 00:10:07,980

in

275

00:10:15,050 --> 00:10:13,320

to tackle this

276

00:10:17,090 --> 00:10:15,060

um you know here are our recommendations

277

00:10:18,710 --> 00:10:17,100

for some of the ways that that they

278

00:10:21,470 --> 00:10:18,720

might be able to proceed

279

00:10:23,449 --> 00:10:21,480

so I'm curious why did NASA need an

280

00:10:27,170 --> 00:10:23,459

independent team to come in and do that

281

00:10:28,850 --> 00:10:27,180

for them I think there are many who

282

00:10:31,730 --> 00:10:28,860

would look at Nasa as being one of The

283

00:10:33,290 --> 00:10:31,740

Gatekeepers of the whole UFO secret and

284

00:10:35,449 --> 00:10:33,300

that they have enough footage and that

285

00:10:37,610 --> 00:10:35,459

are incredibly vast archives and servers

286

00:10:39,590 --> 00:10:37,620

going back decades that would have all

287

00:10:41,030 --> 00:10:39,600

the evidence required so what's the

288

00:10:42,350 --> 00:10:41,040

reason they brought in an independent

289

00:10:44,090 --> 00:10:42,360

study

290

00:10:45,710 --> 00:10:44,100

well I think you know the reason is

291

00:10:48,650 --> 00:10:45,720

because all of what you just said about

292

00:10:50,269 --> 00:10:48,660

having servers and Decades of data and

293

00:10:51,590 --> 00:10:50,279

videos that's that's a very nice

294

00:10:54,230 --> 00:10:51,600

fictional statement

295

00:10:57,110 --> 00:10:54,240

so so NASA does not have that

296

00:10:59,269 --> 00:10:57,120

information available and the agency

297

00:11:01,370 --> 00:10:59,279

often when it's looking for

298

00:11:03,590 --> 00:11:01,380

recommendations on a particular topic

299

00:11:06,650 --> 00:11:03,600

they will convene an independent panel

300

00:11:09,590 --> 00:11:06,660

of experts to to offer an opinion on how

301

00:11:11,030 --> 00:11:09,600

they might best go about proceeding

302

00:11:13,250 --> 00:11:11,040

um it's all it's really good for

303

00:11:15,170 --> 00:11:13,260

transparency too so

304

00:11:16,610 --> 00:11:15,180

actually it's not uncommon this has been

305

00:11:18,710 --> 00:11:16,620

done before but obviously it's the first

306

00:11:20,150 --> 00:11:18,720

time those with a UFO interest are

307

00:11:22,130 --> 00:11:20,160

paying that's close attention so that's

308

00:11:23,870 --> 00:11:22,140

that's good to know yeah that's exactly

309

00:11:24,590 --> 00:11:23,880

right it's not an unusual procedure at

310

00:11:28,310 --> 00:11:24,600

all

311

00:11:32,030 --> 00:11:28,320

in this study

312

00:11:34,970 --> 00:11:32,040

I was invited to be on the panel

313

00:11:36,949 --> 00:11:34,980

um by by NASA one day I just got an

314

00:11:38,990 --> 00:11:36,959

email asking if I would be

315

00:11:40,970 --> 00:11:39,000

willing to serve

316

00:11:43,190 --> 00:11:40,980

um and kind of laying out you know again

317

00:11:44,530 --> 00:11:43,200

what what the charter is what that would

318

00:11:46,910 --> 00:11:44,540

involve

319

00:11:49,430 --> 00:11:46,920

ultimately we're going to be writing a

320

00:11:51,470 --> 00:11:49,440

report that will be delivered sometime

321

00:11:53,930 --> 00:11:51,480

this summer and that will also be made

322

00:11:56,509 --> 00:11:53,940

public too and so

323

00:11:59,509 --> 00:11:56,519

um yeah I was just invited to be on it

324

00:12:00,829 --> 00:11:59,519

when you got that email was it I guess

325

00:12:02,030 --> 00:12:00,839

straight away was it something you had

326

00:12:03,170 --> 00:12:02,040

to think about what was kind of going

327

00:12:04,730 --> 00:12:03,180

through your head

328

00:12:06,949 --> 00:12:04,740

foreign

329

00:12:09,710 --> 00:12:06,959

I gave it some thought

330

00:12:12,530 --> 00:12:09,720

um I needed to be

331

00:12:14,509 --> 00:12:12,540

really clear on

332

00:12:16,850 --> 00:12:14,519

you know my role as a journalist I often

333

00:12:19,069 --> 00:12:16,860

cover NASA that's that was a lot of what

334

00:12:20,990 --> 00:12:19,079

I was doing and so I needed to make sure

335

00:12:22,730 --> 00:12:21,000

that I could preserve

336

00:12:24,350 --> 00:12:22,740

um you know the barrier between my job

337

00:12:27,350 --> 00:12:24,360

and serving on this panel making sure

338

00:12:29,449 --> 00:12:27,360

that I could keep them very very far

339

00:12:31,069 --> 00:12:29,459

apart from one another so that was where

340

00:12:32,509 --> 00:12:31,079

most of my consideration went I thought

341

00:12:34,190 --> 00:12:32,519

it was a really interesting topic I

342

00:12:36,710 --> 00:12:34,200

thought it was

343

00:12:39,050 --> 00:12:36,720

I was very curious about why NASA was

344

00:12:41,810 --> 00:12:39,060

initially doing this and so I figured

345

00:12:43,730 --> 00:12:41,820

this was really the best way to find out

346

00:12:46,009 --> 00:12:43,740

um I wanted to know what it was like to

347

00:12:47,329 --> 00:12:46,019

serve on one of these panels and to to

348

00:12:50,329 --> 00:12:47,339

Really also get to know the other

349

00:12:52,190 --> 00:12:50,339

panelists who are incredible

350

00:12:54,650 --> 00:12:52,200

um it's a really cool group of people

351  
00:12:56,629 --> 00:12:54,660  
and we're friends and colleagues at all

352  
00:12:58,009 --> 00:12:56,639  
curious as to what was happening was

353  
00:12:59,509 --> 00:12:58,019  
that a lot of canal like you know so

354  
00:13:01,490 --> 00:12:59,519  
you're going to be studying UFOs for

355  
00:13:04,610 --> 00:13:01,500  
NASA is that what the chat was

356  
00:13:06,350 --> 00:13:04,620  
yeah there was a lot of that

357  
00:13:09,350 --> 00:13:06,360  
um you know the phrase I think the

358  
00:13:12,350 --> 00:13:09,360  
phrase UFO Hunters was in a lot of

359  
00:13:14,389 --> 00:13:12,360  
headlines describing the initial send

360  
00:13:16,550 --> 00:13:14,399  
shovers down my spine when I see her you

361  
00:13:18,050 --> 00:13:16,560  
know that so yeah yeah

362  
00:13:19,550 --> 00:13:18,060  
yeah

363  
00:13:20,930 --> 00:13:19,560

um so it's you know a lot of what I've

364

00:13:22,610 --> 00:13:20,940

been doing over the last seven or eight

365

00:13:24,769 --> 00:13:22,620

months has just been kind of disabusing

366

00:13:27,050 --> 00:13:24,779

people of the notion that we are UFO

367

00:13:29,629 --> 00:13:27,060

hunting that's that's not our job it's

368

00:13:31,310 --> 00:13:29,639

not what we're doing and

369

00:13:33,290 --> 00:13:31,320

we're going to tell NASA how to do that

370

00:13:35,930 --> 00:13:33,300

if they want to

371

00:13:37,790 --> 00:13:35,940

yeah well listen obviously we'll fast

372

00:13:40,790 --> 00:13:37,800

forward to the point where the we had

373

00:13:43,210 --> 00:13:40,800

the NASA live broadcast a couple of

374

00:13:45,590 --> 00:13:43,220

weeks ago as we record this now and

375

00:13:47,389 --> 00:13:45,600

fascinating I saw the viewers on the

376

00:13:48,710 --> 00:13:47,399

channel jump from a thousand to one and

377

00:13:50,389 --> 00:13:48,720

a half to seven and a half to eight

378

00:13:52,250 --> 00:13:50,399

thousand to nine thousand to ten

379

00:13:54,590 --> 00:13:52,260

thousand so there was a huge amount of

380

00:13:56,870 --> 00:13:54,600

interest and just a live broadcast in

381

00:13:58,430 --> 00:13:56,880

itself bear in mind this happened like a

382

00:14:00,590 --> 00:13:58,440

two o'clock in the afternoon three

383

00:14:02,329 --> 00:14:00,600

o'clock in the UK people are at work it

384

00:14:04,430 --> 00:14:02,339

was busy it was a midweek in the US

385

00:14:06,769 --> 00:14:04,440

that's early morning depending on your

386

00:14:09,110 --> 00:14:06,779

Coast it's even earlier morning there's

387

00:14:11,449 --> 00:14:09,120

a lot of interest in it disappointingly

388

00:14:13,850 --> 00:14:11,459

though but not unsurprisingly it opened

389

00:14:15,889 --> 00:14:13,860

with a mention of the abuse that had

390

00:14:17,990 --> 00:14:15,899

been aimed at the panel I was in the

391

00:14:19,670 --> 00:14:18,000

Discord chat for the podcast at the time

392

00:14:21,949 --> 00:14:19,680

and I mentioned to you before we started

393

00:14:24,050 --> 00:14:21,959

recording a lot of the people in the

394

00:14:26,269 --> 00:14:24,060

Discord were again shocked but not

395

00:14:28,370 --> 00:14:26,279

surprised that you'd received abuse and

396

00:14:29,870 --> 00:14:28,380

I'd like to ask though where where was

397

00:14:32,210 --> 00:14:29,880

the abuse coming from did it seem to

398

00:14:33,470 --> 00:14:32,220

come from the UFO Community was it

399

00:14:36,850 --> 00:14:33,480

scientific community

400

00:14:39,650 --> 00:14:36,860

your Your Standard Online troll

401  
00:14:41,990 --> 00:14:39,660

yeah so I think

402  
00:14:43,550 --> 00:14:42,000

um what I can say and I don't want to

403  
00:14:45,769 --> 00:14:43,560

you know violate anyone's privacy is

404  
00:14:48,590 --> 00:14:45,779

that there there were criticisms coming

405  
00:14:50,870 --> 00:14:48,600

from within the science community

406  
00:14:52,790 --> 00:14:50,880

um you know really just questioning why

407  
00:14:55,189 --> 00:14:52,800

people were spending their time on this

408  
00:14:57,110 --> 00:14:55,199

I had made that comment before

409  
00:15:00,970 --> 00:14:57,120

um but I think what NASA was referring

410  
00:15:03,769 --> 00:15:00,980

to in those statements were

411  
00:15:06,050 --> 00:15:03,779

harassment and abuse coming from

412  
00:15:08,870 --> 00:15:06,060

um UFO Twitter in particular has been

413  
00:15:10,790 --> 00:15:08,880

very loud and very angry uh with a

414

00:15:12,889 --> 00:15:10,800

couple of us not just me

415

00:15:15,650 --> 00:15:12,899

um I know that I have definitely been a

416

00:15:16,730 --> 00:15:15,660

target for a lot of it and so

417

00:15:20,030 --> 00:15:16,740

um

418

00:15:22,610 --> 00:15:20,040

yeah it's been coming from a from a

419

00:15:26,050 --> 00:15:22,620

couple of different different areas

420

00:15:29,269 --> 00:15:26,060

why do you think that was

421

00:15:31,970 --> 00:15:29,279

for me I I know why it is

422

00:15:33,230 --> 00:15:31,980

um well probably a couple of reasons you

423

00:15:36,350 --> 00:15:33,240

know one

424

00:15:39,470 --> 00:15:36,360

is I have gone on record Being skeptical

425

00:15:41,150 --> 00:15:39,480

about the evidence that's been presented

426  
00:15:43,730 --> 00:15:41,160  
so far

427  
00:15:44,629 --> 00:15:43,740  
um and that is is not something that

428  
00:15:46,970 --> 00:15:44,639  
people

429  
00:15:48,410 --> 00:15:46,980  
appreciate I guess would be one way to

430  
00:15:51,829 --> 00:15:48,420  
put it

431  
00:15:54,050 --> 00:15:51,839  
um that's part of it I think in a way

432  
00:15:55,970 --> 00:15:54,060  
it's a lot of a lot of what I've been

433  
00:15:58,610 --> 00:15:55,980  
getting is very misogynistic

434  
00:16:01,550 --> 00:15:58,620  
so probably having a woman challenging

435  
00:16:04,730 --> 00:16:01,560  
your ideas your beliefs you know your

436  
00:16:07,250 --> 00:16:04,740  
notion of reality is can be very makes

437  
00:16:08,269 --> 00:16:07,260  
it makes people very angry

438  
00:16:10,310 --> 00:16:08,279

um

439

00:16:13,009 --> 00:16:10,320

so some of my other panelists have been

440

00:16:15,110 --> 00:16:13,019

getting noise from similar groups but

441

00:16:19,009 --> 00:16:15,120

without that particular element to it

442

00:16:21,949 --> 00:16:19,019

yeah so that's part of it and

443

00:16:25,250 --> 00:16:21,959

yeah I don't know I tend to I tend to

444

00:16:28,009 --> 00:16:25,260

look at conversations about you know the

445

00:16:29,509 --> 00:16:28,019

origin of of UFOs as being

446

00:16:31,189 --> 00:16:29,519

kind of like trying to argue about

447

00:16:32,689 --> 00:16:31,199

religion with somebody like you don't

448

00:16:35,269 --> 00:16:32,699

you're not really going to get that far

449

00:16:38,810 --> 00:16:35,279

so I I generally tend not to engage in

450

00:16:40,370 --> 00:16:38,820

it yeah it's better to just let people

451  
00:16:41,509 --> 00:16:40,380  
have their beliefs and and I will have

452  
00:16:43,910 --> 00:16:41,519  
mine

453  
00:16:45,769 --> 00:16:43,920  
100 and I've said as much on here as

454  
00:16:47,329 --> 00:16:45,779  
well that none of us actually know at

455  
00:16:50,030 --> 00:16:47,339  
the end of the day you know what is real

456  
00:16:52,670 --> 00:16:50,040  
what isn't real is it uh CGI well is it

457  
00:16:54,230 --> 00:16:52,680  
no one knows what a real sorcerel maybe

458  
00:16:55,970 --> 00:16:54,240  
a handful of people may know what a real

459  
00:16:58,189 --> 00:16:55,980  
sorcer looks like after the some of the

460  
00:16:59,749 --> 00:16:58,199  
news from this week but we don't know

461  
00:17:02,150 --> 00:16:59,759  
and it's just to have that debate make

462  
00:17:03,590 --> 00:17:02,160  
sure it's healthy argue you know with

463  
00:17:05,630 --> 00:17:03,600

someone but can make sure it's you know

464

00:17:07,010 --> 00:17:05,640

in the best spirits and at the end of

465

00:17:09,890 --> 00:17:07,020

the day if you have to disagree to

466

00:17:12,110 --> 00:17:09,900

disagree then you can move on if not the

467

00:17:15,590 --> 00:17:12,120

mute and block button are your friends

468

00:17:17,210 --> 00:17:15,600

as I've said to many many many folks

469

00:17:19,189 --> 00:17:17,220

um your your timeline can be exactly

470

00:17:20,929 --> 00:17:19,199

what you need it to be obviously like

471

00:17:23,150 --> 00:17:20,939

yourself Nadia you're coming into this

472

00:17:25,549 --> 00:17:23,160

kind of fresh to the UFO Community

473

00:17:28,429 --> 00:17:25,559

putting yourself out there so you don't

474

00:17:30,409 --> 00:17:28,439

know the some of the key players the

475

00:17:32,090 --> 00:17:30,419

bigger names the bigger channels and

476

00:17:34,130 --> 00:17:32,100

blogs or whatever it may be bigger

477

00:17:35,570 --> 00:17:34,140

commentators until you kind of come

478

00:17:38,570 --> 00:17:35,580

across that so it's disappointing that

479

00:17:40,190 --> 00:17:38,580

happened at all but I sadly it's not

480

00:17:42,590 --> 00:17:40,200

unsurprising we saw Avila web

481

00:17:44,150 --> 00:17:42,600

astrophysicist from Harvard get abuse

482

00:17:46,730 --> 00:17:44,160

from some of the scientific community on

483

00:17:49,610 --> 00:17:46,740

on Zoom calls um a few a few years ago

484

00:17:51,830 --> 00:17:49,620

now for daring to discuss maybe an

485

00:17:53,690 --> 00:17:51,840

interplanetary body and his thoughts so

486

00:17:57,110 --> 00:17:53,700

it's nice to see though that we've got

487

00:17:59,090 --> 00:17:57,120

academics scientists level-headed folks

488

00:18:01,130 --> 00:17:59,100

coming in and I think those with a

489

00:18:02,810 --> 00:18:01,140

skeptical view can be some of the best

490

00:18:03,950 --> 00:18:02,820

folks to invite into the conversation

491

00:18:06,650 --> 00:18:03,960

because

492

00:18:08,450 --> 00:18:06,660

F someone with a skeptical mindset can

493

00:18:10,549 --> 00:18:08,460

find something they feel is truly

494

00:18:13,310 --> 00:18:10,559

anomalous that's better than someone

495

00:18:15,169 --> 00:18:13,320

like me finding it because I'm going to

496

00:18:17,029 --> 00:18:15,179

want to find that and potentially you've

497

00:18:18,950 --> 00:18:17,039

got folks who don't want to find it so

498

00:18:20,930 --> 00:18:18,960

I'm not saying you don't want to I

499

00:18:22,490 --> 00:18:20,940

imagine the way you come across you

500

00:18:24,350 --> 00:18:22,500

would love to come across that piece of

501  
00:18:27,350 --> 00:18:24,360  
evidence that wow this is something

502  
00:18:29,630 --> 00:18:27,360  
truly unique yes oh yeah and that's part

503  
00:18:32,510 --> 00:18:29,640  
of what's so frustrating to me is that

504  
00:18:35,690 --> 00:18:32,520  
um and I said this in my remarks during

505  
00:18:39,110 --> 00:18:35,700  
the the meeting but like skepticism is

506  
00:18:40,669 --> 00:18:39,120  
not a bad thing to have if you're trying

507  
00:18:43,430 --> 00:18:40,679  
to prove the existence of something

508  
00:18:44,990 --> 00:18:43,440  
that's really truly extraordinary you

509  
00:18:46,970 --> 00:18:45,000  
want to be doing that through the lens

510  
00:18:49,070 --> 00:18:46,980  
of skepticism otherwise nobody's gonna

511  
00:18:50,150 --> 00:18:49,080  
believe you right like how well is that

512  
00:18:52,789 --> 00:18:50,160  
going

513  
00:18:54,230 --> 00:18:52,799

for the community so far

514

00:18:55,730 --> 00:18:54,240

um and I think you know one of the

515

00:18:59,150 --> 00:18:55,740

points I want to make here is that

516

00:19:00,110 --> 00:18:59,160

everyone on the panel has a very open

517

00:19:03,049 --> 00:19:00,120

mind

518

00:19:05,330 --> 00:19:03,059

when it comes to looking at data and

519

00:19:07,970 --> 00:19:05,340

following the data where I take a where

520

00:19:10,730 --> 00:19:07,980

it takes us and I think that's that's a

521

00:19:12,890 --> 00:19:10,740

really important thing and so you know

522

00:19:14,510 --> 00:19:12,900

it's been frustrating to me about

523

00:19:16,789 --> 00:19:14,520

some of the accused that I've been

524

00:19:18,529 --> 00:19:16,799

getting is like these people don't seem

525

00:19:21,169 --> 00:19:18,539

to have an open mind they don't seem

526

00:19:24,169 --> 00:19:21,179

like they're willing to learn

527

00:19:26,390 --> 00:19:24,179

um but I am and my goodness like nobody

528

00:19:28,730 --> 00:19:26,400

would be more excited to find something

529

00:19:31,549 --> 00:19:28,740

really cool in the data than I would be

530

00:19:33,289 --> 00:19:31,559

right well I mean maybe but I would be

531

00:19:34,789 --> 00:19:33,299

psyched like that would be really really

532

00:19:37,010 --> 00:19:34,799

cool

533

00:19:40,370 --> 00:19:38,870

so let you know what and there's nothing

534

00:19:42,110 --> 00:19:40,380

wrong like you say with being skeptical

535

00:19:44,390 --> 00:19:42,120

I've got listeners to the podcast again

536

00:19:46,130 --> 00:19:44,400

even as as recent as today in the

537

00:19:47,810 --> 00:19:46,140

Discord chat saying that they're they're

538

00:19:49,909 --> 00:19:47,820

pretty skeptical on the subject but

539

00:19:51,830 --> 00:19:49,919

that's fine you should be skeptical just

540

00:19:54,049 --> 00:19:51,840

given what we're talking about I think

541

00:19:55,990 --> 00:19:54,059

people confuse that sometimes with those

542

00:19:58,970 --> 00:19:56,000

who want to go out there and debunk

543

00:20:00,710 --> 00:19:58,980

everything they see just because they're

544

00:20:02,750 --> 00:20:00,720

not that interested in hearing about

545

00:20:05,029 --> 00:20:02,760

what UFOs may or may not be but that's

546

00:20:06,770 --> 00:20:05,039

that's a different conversation I'd love

547

00:20:08,990 --> 00:20:06,780

to know as much as you can see Nadia

548

00:20:11,330 --> 00:20:09,000

what was the work like what was your

549

00:20:13,430 --> 00:20:11,340

average day like in the last kind of six

550

00:20:15,289 --> 00:20:13,440

seven eight months of the actual study

551  
00:20:17,150 --> 00:20:15,299  
where you're going into an office nine

552  
00:20:20,450 --> 00:20:17,160  
till five and putting through paperwork

553  
00:20:23,570 --> 00:20:20,460  
or or what was it thank goodness no

554  
00:20:24,890 --> 00:20:23,580  
um we all have day jobs so that would

555  
00:20:26,570 --> 00:20:24,900  
have been tricky

556  
00:20:28,490 --> 00:20:26,580  
um no we had a handful of in-person

557  
00:20:30,890 --> 00:20:28,500  
meetings where they were all

558  
00:20:33,470 --> 00:20:30,900  
fact-finding sessions so we had invited

559  
00:20:35,090 --> 00:20:33,480  
some folks to come speak to us to

560  
00:20:38,510 --> 00:20:35,100  
present information

561  
00:20:41,750 --> 00:20:38,520  
um on the topic on various

562  
00:20:44,150 --> 00:20:41,760  
um observational capabilities so you

563  
00:20:45,470 --> 00:20:44,160

know what are some of the NASA assets

564

00:20:49,130 --> 00:20:45,480

that are looking at Earth all the time

565

00:20:50,870 --> 00:20:49,140

how can we maybe think about adapting

566

00:20:52,850 --> 00:20:50,880

um Technologies like the Vera Ruben

567

00:20:54,169 --> 00:20:52,860

Observatory that's being built in the

568

00:20:56,450 --> 00:20:54,179

southern hemisphere now that's going to

569

00:20:57,710 --> 00:20:56,460

look at you know the entire Sky how

570

00:20:59,390 --> 00:20:57,720

could we

571

00:21:02,270 --> 00:20:59,400

think about something like that maybe

572

00:21:03,830 --> 00:21:02,280

being applied to this to this problem

573

00:21:06,350 --> 00:21:03,840

um so we had a couple of those meetings

574

00:21:09,049 --> 00:21:06,360

in person we had some virtually

575

00:21:10,789 --> 00:21:09,059

um and then we had the public meeting in

576

00:21:13,789 --> 00:21:10,799

DC which was really the first time where

577

00:21:16,909 --> 00:21:13,799

we started to you know have a debate

578

00:21:19,310 --> 00:21:16,919

amongst us as a panel about what some of

579

00:21:20,390 --> 00:21:19,320

these recommendations ought to be moving

580

00:21:21,409 --> 00:21:20,400

forward

581

00:21:22,909 --> 00:21:21,419

um

582

00:21:24,830 --> 00:21:22,919

and I think you know obviously what you

583

00:21:27,350 --> 00:21:24,840

heard there was the big takeaway is that

584

00:21:30,230 --> 00:21:27,360

the the data that we need to

585

00:21:32,270 --> 00:21:30,240

make any conclusions about the nature

586

00:21:33,470 --> 00:21:32,280

and origins of UAP are just not there

587

00:21:35,450 --> 00:21:33,480

yet

588

00:21:36,710 --> 00:21:35,460

um which I know is is also a frustrating

589

00:21:38,270 --> 00:21:36,720

statement

590

00:21:39,529 --> 00:21:38,280

um that that's that's kind of where we

591

00:21:43,010 --> 00:21:39,539

landed

592

00:21:44,990 --> 00:21:43,020

during the your piece you mentioned you

593

00:21:47,450 --> 00:21:45,000

were the first speaker to come up from

594

00:21:49,370 --> 00:21:47,460

the panel after Dr Sean Patrick from

595

00:21:52,430 --> 00:21:49,380

Arrow and you mentioned that the

596

00:21:54,950 --> 00:21:52,440

definition of UAP changed from Ariel to

597

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

anomalous during the study and the panel

598

00:21:58,970 --> 00:21:56,880

had decided to continue to focus on

599

00:22:01,850 --> 00:21:58,980

Ariel because that's the primary domain

600

00:22:03,890 --> 00:22:01,860

for the data that you had presented if

601  
00:22:05,990 --> 00:22:03,900  
you've got any thoughts so on the other

602  
00:22:08,149 --> 00:22:06,000  
aspects of this phenomenon many people

603  
00:22:11,090 --> 00:22:08,159  
would point to you know things way out

604  
00:22:15,230 --> 00:22:11,100  
in space potentially or even underwater

605  
00:22:17,750 --> 00:22:15,240  
yeah so I um I had made that point that

606  
00:22:18,649 --> 00:22:17,760  
the the definition changed

607  
00:22:20,450 --> 00:22:18,659  
um

608  
00:22:22,190 --> 00:22:20,460  
and I had said that we were choosing to

609  
00:22:24,890 --> 00:22:22,200  
focus on the aerial domain because that

610  
00:22:27,409 --> 00:22:24,900  
is where the vast majority of the events

611  
00:22:29,690 --> 00:22:27,419  
at least the um you know the ultimate

612  
00:22:31,730 --> 00:22:29,700  
anomaly resolution office has collected

613  
00:22:33,830 --> 00:22:31,740

are and I think Sean actually said that

614

00:22:35,810 --> 00:22:33,840

that's where they all are

615

00:22:37,490 --> 00:22:35,820

um and then David grinspoon who's an

616

00:22:39,049 --> 00:22:37,500

astrobiologist on the panel pushed back

617

00:22:41,570 --> 00:22:39,059

on that and said well actually I think

618

00:22:43,310 --> 00:22:41,580

we do want to consider the space domain

619

00:22:44,870 --> 00:22:43,320

as well because you know the more we get

620

00:22:48,470 --> 00:22:44,880

into this into space the more this

621

00:22:50,810 --> 00:22:48,480

becomes really a NASA issue and so

622

00:22:51,770 --> 00:22:50,820

um I think that's totally valid totally

623

00:22:53,149 --> 00:22:51,780

valid

624

00:22:54,649 --> 00:22:53,159

um I don't know if you heard Sean say

625

00:22:56,029 --> 00:22:54,659

during the meeting it was he was

626  
00:22:58,310 --> 00:22:56,039  
answering a question but he said he'd

627  
00:23:02,450 --> 00:22:58,320  
managed to get rid of the underwater

628  
00:23:03,110 --> 00:23:02,460  
report it was explained some other way

629  
00:23:06,230 --> 00:23:03,120  
um

630  
00:23:08,090 --> 00:23:06,240  
so I think Dr Kirkpatrick said they were

631  
00:23:10,490 --> 00:23:08,100  
called scps someone else's problem

632  
00:23:12,590 --> 00:23:10,500  
famously a few weeks ago during a live

633  
00:23:14,630 --> 00:23:12,600  
broadcast as well to uh Senator

634  
00:23:17,390 --> 00:23:14,640  
Christian gillibrand so yeah interest in

635  
00:23:21,070 --> 00:23:17,400  
terminology but fair enough

636  
00:23:24,169 --> 00:23:21,080  
I like Sean he has a hard hard job

637  
00:23:26,750 --> 00:23:24,179  
his job is hard and it comes across as

638  
00:23:28,310 --> 00:23:26,760

very dry and my limited uh you know

639

00:23:30,409 --> 00:23:28,320

interactions being a couple of live

640

00:23:32,750 --> 00:23:30,419

broadcasts I've seen him presenting on

641

00:23:34,789 --> 00:23:32,760

um I'm going to ask you actually just to

642

00:23:36,409 --> 00:23:34,799

go back one step you mentioned the data

643

00:23:37,970 --> 00:23:36,419

I was said to be either incomplete or

644

00:23:40,370 --> 00:23:37,980

inconclusive and that was the big

645

00:23:48,289 --> 00:23:40,380

takeaway is that what you expected going

646

00:23:53,570 --> 00:23:50,870

had mentioned which is that

647

00:23:55,310 --> 00:23:53,580

if you want to address this topic

648

00:23:56,810 --> 00:23:55,320

scientifically you need data that's

649

00:23:58,789 --> 00:23:56,820

gathered with well-calibrated

650

00:24:01,430 --> 00:23:58,799

instruments using well-established

651  
00:24:05,210 --> 00:24:01,440  
methodologies and that hasn't happened

652  
00:24:09,529 --> 00:24:05,220  
and so um that that's why and with

653  
00:24:11,990 --> 00:24:09,539  
something like this where you know truly

654  
00:24:13,730 --> 00:24:12,000  
the answer could be so profound you you

655  
00:24:15,950 --> 00:24:13,740  
want to make sure that you're that

656  
00:24:17,090 --> 00:24:15,960  
you're approaching it carefully

657  
00:24:19,730 --> 00:24:17,100  
um

658  
00:24:20,630 --> 00:24:19,740  
so so that was expected

659  
00:24:23,330 --> 00:24:20,640  
um

660  
00:24:25,610 --> 00:24:23,340  
I think

661  
00:24:27,049 --> 00:24:25,620  
what I wasn't quite

662  
00:24:28,850 --> 00:24:27,059  
I had actually and this is an

663  
00:24:29,990 --> 00:24:28,860

interesting point too that came up

664

00:24:31,909 --> 00:24:30,000

um

665

00:24:34,310 --> 00:24:31,919

I when I went into the study I didn't

666

00:24:35,930 --> 00:24:34,320

really understand why some reports were

667

00:24:37,450 --> 00:24:35,940

classified and why

668

00:24:40,430 --> 00:24:37,460

um some were not

669

00:24:41,570 --> 00:24:40,440

and we got a lot of blowback from people

670

00:24:43,190 --> 00:24:41,580

who are saying well you're only looking

671

00:24:44,630 --> 00:24:43,200

at the unclassified data what could

672

00:24:46,250 --> 00:24:44,640

possibly be interesting and there all

673

00:24:48,230 --> 00:24:46,260

the good stuff is classified

674

00:24:50,390 --> 00:24:48,240

and I think we heard during the meeting

675

00:24:52,549 --> 00:24:50,400

that you know the reason that some

676  
00:24:54,649 --> 00:24:52,559  
reports are classified is not because of

677  
00:24:56,990 --> 00:24:54,659  
what they show but because of the sensor

678  
00:24:58,970 --> 00:24:57,000  
that made the report and we don't

679  
00:25:01,789 --> 00:24:58,980  
necessarily want people to know about

680  
00:25:03,289 --> 00:25:01,799  
the observational capabilities that some

681  
00:25:05,990 --> 00:25:03,299  
of our sensors have and so like that's

682  
00:25:08,330 --> 00:25:06,000  
also a really pretty boring reason for

683  
00:25:09,890 --> 00:25:08,340  
things to be classified and you know

684  
00:25:11,630 --> 00:25:09,900  
they made the analogy about the Statue

685  
00:25:13,190 --> 00:25:11,640  
of Liberty that

686  
00:25:14,690 --> 00:25:13,200  
you would classify a picture of the

687  
00:25:16,250 --> 00:25:14,700  
Statue of Liberty if it were taken with

688  
00:25:18,710 --> 00:25:16,260

a classified sensor

689

00:25:21,409 --> 00:25:18,720

and that was interesting for me because

690

00:25:24,850 --> 00:25:21,419

I just I hadn't known Matt going in

691

00:25:28,789 --> 00:25:27,110

that's a really fair point and something

692

00:25:30,890 --> 00:25:28,799

I've talked about on the podcast before

693

00:25:32,330 --> 00:25:30,900

where the water with that one's been

694

00:25:35,269 --> 00:25:32,340

muddied a little bit in the last few

695

00:25:37,730 --> 00:25:35,279

months was the Chinese Bible incident

696

00:25:39,890 --> 00:25:37,740

where they released a very clear picture

697

00:25:41,570 --> 00:25:39,900

of a balloon very high up and everyone

698

00:25:43,490 --> 00:25:41,580

was like ah so the UFO pictures must

699

00:25:45,230 --> 00:25:43,500

look that good and that came out rather

700

00:25:48,169 --> 00:25:45,240

quickly and then they mentioned it shot

701  
00:25:49,730 --> 00:25:48,179  
down to other quote-unquote balloons but

702  
00:25:51,649 --> 00:25:49,740  
wouldn't release the pictures of those

703  
00:25:54,409 --> 00:25:51,659  
which got people questioning you know

704  
00:25:55,789 --> 00:25:54,419  
why isn't those coming out so I I get

705  
00:25:58,190 --> 00:25:55,799  
that and also there's that General

706  
00:25:59,810 --> 00:25:58,200  
distrust of the government but when you

707  
00:26:01,370 --> 00:25:59,820  
chose to believe the government and

708  
00:26:04,010 --> 00:26:01,380  
we're not they can also be a bit of a

709  
00:26:05,930 --> 00:26:04,020  
tricky subject as well so but it's UFOs

710  
00:26:07,610 --> 00:26:05,940  
it's the whole world of and what you're

711  
00:26:10,010 --> 00:26:07,620  
going into like you say is is that

712  
00:26:12,529 --> 00:26:10,020  
classified unclassified data classified

713  
00:26:14,810 --> 00:26:12,539

sensor systems and that's something

714

00:26:16,490 --> 00:26:14,820

people in the UFO Community know a

715

00:26:18,529 --> 00:26:16,500

little or a lot about depending on who

716

00:26:20,750 --> 00:26:18,539

you talk to you mentioned Dr Sean

717

00:26:21,710 --> 00:26:20,760

Patrick who is the head of Arrow at the

718

00:26:24,529 --> 00:26:21,720

moment

719

00:26:27,110 --> 00:26:24,539

um he has said and others that there is

720

00:26:30,590 --> 00:26:27,120

no credible evidence to point to any of

721

00:26:33,470 --> 00:26:30,600

those UAP events being looked at uh for

722

00:26:35,930 --> 00:26:33,480

being of E.T origin and I wonder for you

723

00:26:37,970 --> 00:26:35,940

what would credible evidence look like

724

00:26:39,830 --> 00:26:37,980

because I'm one of those really nitpicky

725

00:26:41,750 --> 00:26:39,840

people that when Dr Kirkpatrick said

726

00:26:43,909 --> 00:26:41,760

that I said well he's not saying no

727

00:26:47,390 --> 00:26:43,919

evidence he said no credible evidence so

728

00:26:49,549 --> 00:26:47,400

in 2023 what does credible evidence of

729

00:26:51,649 --> 00:26:49,559

ET look like

730

00:26:54,289 --> 00:26:51,659

well I think

731

00:26:55,850 --> 00:26:54,299

I don't I don't actually know

732

00:26:57,350 --> 00:26:55,860

um for the simple reason that I don't

733

00:27:00,890 --> 00:26:57,360

know what

734

00:27:03,470 --> 00:27:00,900

an ET might look like which is also a

735

00:27:05,390 --> 00:27:03,480

really boring answer but um I mean what

736

00:27:08,149 --> 00:27:05,400

I would want to see are observations

737

00:27:10,190 --> 00:27:08,159

again made with instruments that were

738

00:27:12,409 --> 00:27:10,200

calibrated for the purposes that they

739

00:27:14,810 --> 00:27:12,419

were being used for

740

00:27:17,210 --> 00:27:14,820

um you know multi-spectral observations

741

00:27:20,690 --> 00:27:17,220

of the same object potentially you know

742

00:27:22,669 --> 00:27:20,700

made by multiple people where we have

743

00:27:25,730 --> 00:27:22,679

data from sensors that matches

744

00:27:27,590 --> 00:27:25,740

eyewitness reports and then after that

745

00:27:30,110 --> 00:27:27,600

that's just the beginning right so

746

00:27:31,730 --> 00:27:30,120

that's that's step one and then after

747

00:27:33,649 --> 00:27:31,740

that you go and you interrogate all of

748

00:27:36,950 --> 00:27:33,659

that and say well

749

00:27:39,230 --> 00:27:36,960

in the search for life beyond Earth

750

00:27:42,230 --> 00:27:39,240

um you know life is the hypothesis of

751  
00:27:43,789 --> 00:27:42,240  
Last Resort you have to systematically

752  
00:27:45,350 --> 00:27:43,799  
rule out everything else that something

753  
00:27:47,930 --> 00:27:45,360  
could possibly be

754  
00:27:49,730 --> 00:27:47,940  
before you look at that answer and so

755  
00:27:52,190 --> 00:27:49,740  
you know what else could this possibly

756  
00:27:54,310 --> 00:27:52,200  
be what we've seen

757  
00:27:57,230 --> 00:27:54,320  
um you know even during even the meeting

758  
00:27:58,970 --> 00:27:57,240  
we saw some videos that looked like they

759  
00:28:03,529 --> 00:27:58,980  
were showing objects behaving very very

760  
00:28:04,909 --> 00:28:03,539  
weirdly but the explanations were you

761  
00:28:07,130 --> 00:28:04,919  
know this is just the way that the

762  
00:28:08,529 --> 00:28:07,140  
sensor was moving or this object looks

763  
00:28:11,450 --> 00:28:08,539

like it's moving really quickly because

764

00:28:14,269 --> 00:28:11,460

the plane that was looking at it is

765

00:28:17,029 --> 00:28:14,279

going 430 miles an hour so that you know

766

00:28:19,130 --> 00:28:17,039

the sensor is moving really quickly

767

00:28:20,990 --> 00:28:19,140

um so can we rule out sensor artifacts

768

00:28:22,669 --> 00:28:21,000

can we rule out like what what do we

769

00:28:26,149 --> 00:28:22,679

need to rule out before we can say all

770

00:28:27,230 --> 00:28:26,159

right like we have landed at a point

771

00:28:30,649 --> 00:28:27,240

where

772

00:28:33,890 --> 00:28:30,659

you know really life is a possibility

773

00:28:35,090 --> 00:28:33,900

I wouldn't like to be cool very cool and

774

00:28:36,529 --> 00:28:35,100

I wouldn't want you to speak for the

775

00:28:38,990 --> 00:28:36,539

panel obviously as well because that's

776

00:28:40,909 --> 00:28:39,000

those those individual opinions but does

777

00:28:43,850 --> 00:28:40,919

that also go for the rest of the panel

778

00:28:45,950 --> 00:28:43,860

that what credible evidence would look

779

00:28:47,870 --> 00:28:45,960

like but all do you all agree it has to

780

00:28:49,549 --> 00:28:47,880

be the same thing or could you have

781

00:28:51,350 --> 00:28:49,559

folks there saying actually I'd be

782

00:28:53,630 --> 00:28:51,360

happier I'd be happy with this I would

783

00:28:55,730 --> 00:28:53,640

settle for x y and z

784

00:28:57,470 --> 00:28:55,740

yeah I think there probably are going to

785

00:29:00,110 --> 00:28:57,480

be a range of opinions and you know mine

786

00:29:02,690 --> 00:29:00,120

mine here is probably not the the most

787

00:29:04,909 --> 00:29:02,700

informed or the most expert

788

00:29:07,070 --> 00:29:04,919

um I can speak about science from the

789

00:29:09,350 --> 00:29:07,080

perspective of someone who has a PHD but

790

00:29:11,269 --> 00:29:09,360

my expertise is not in instrumentation

791

00:29:15,830 --> 00:29:11,279

or

792

00:29:18,590 --> 00:29:15,840

how you might even pull an anomaly out

793

00:29:20,570 --> 00:29:18,600

of a very large data set

794

00:29:22,909 --> 00:29:20,580

um so some of the folks who are looking

795

00:29:24,769 --> 00:29:22,919

at machine learning

796

00:29:26,990 --> 00:29:24,779

um AI like they would probably have a

797

00:29:28,250 --> 00:29:27,000

very different answer about or maybe not

798

00:29:29,990 --> 00:29:28,260

a very different answer but just a

799

00:29:32,570 --> 00:29:30,000

different answer about what form

800

00:29:34,730 --> 00:29:32,580

evidence could take

801  
00:29:36,769 --> 00:29:34,740  
well you you said that I'm going to

802  
00:29:39,649 --> 00:29:36,779  
paraphrase here almost quote you that

803  
00:29:42,950 --> 00:29:39,659  
each day the FAA handles are in 45 000

804  
00:29:45,289 --> 00:29:42,960  
flights in U.S airspace that's 5400 in

805  
00:29:48,350 --> 00:29:45,299  
the sky at Peak time worldwide there are

806  
00:29:51,710 --> 00:29:48,360  
1600 weather balloon launches per day uh

807  
00:29:54,350 --> 00:29:51,720  
that's 180 just in the us alone 1.69

808  
00:29:57,289 --> 00:29:54,360  
million small unmanned aircraft systems

809  
00:29:58,850 --> 00:29:57,299  
and such and around 880 000 drones for

810  
00:30:01,730 --> 00:29:58,860  
commercial use neither of which are

811  
00:30:04,070 --> 00:30:01,740  
mined or looked at by the FAA that's a

812  
00:30:05,810 --> 00:30:04,080  
lot of clutter in our skies let alone

813  
00:30:07,669 --> 00:30:05,820

anything else it won't be accounted for

814

00:30:10,250 --> 00:30:07,679

and you kind of touched on this there

815

00:30:11,810 --> 00:30:10,260

but how do you as a panel and this may

816

00:30:13,669 --> 00:30:11,820

have been yourself or others how do you

817

00:30:15,950 --> 00:30:13,679

start to look for the incredible within

818

00:30:18,110 --> 00:30:15,960

that how do you look for the anomalous

819

00:30:21,289 --> 00:30:18,120

in UAP because I think it'd be very easy

820

00:30:24,769 --> 00:30:21,299

for anyone open-minded or not who isn't

821

00:30:26,750 --> 00:30:24,779

UFO Centric to go into this and think

822

00:30:28,669 --> 00:30:26,760

well almost anything I'm going to look

823

00:30:30,289 --> 00:30:28,679

at here is going to be one of those

824

00:30:32,750 --> 00:30:30,299

flights one of those weather balloons

825

00:30:35,870 --> 00:30:32,760

one of those drones

826

00:30:38,210 --> 00:30:35,880

yeah so we had a little bit of this

827

00:30:40,250 --> 00:30:38,220

discussion during the meeting where you

828

00:30:42,289 --> 00:30:40,260

know I had you used the unfortunate

829

00:30:44,870 --> 00:30:42,299

cliche of a needle in a haystack which

830

00:30:46,070 --> 00:30:44,880

like as a writer I just cliches drive me

831

00:30:48,289 --> 00:30:46,080

crazy

832

00:30:49,789 --> 00:30:48,299

um but then that ended up being the

833

00:30:50,810 --> 00:30:49,799

analogy that everybody was using for the

834

00:30:55,310 --> 00:30:50,820

rest of the meeting

835

00:30:58,510 --> 00:30:55,320

and so yeah so the amount of stuff in

836

00:31:01,730 --> 00:30:58,520

the sky at any given time is enormous

837

00:31:03,350 --> 00:31:01,740

and the comments that

838

00:31:04,850 --> 00:31:03,360

um my fellow panelists were making were

839

00:31:06,590 --> 00:31:04,860

things like if we're looking for a

840

00:31:08,690 --> 00:31:06,600

needle in that haystack

841

00:31:10,370 --> 00:31:08,700

we don't even know how to define that

842

00:31:11,090 --> 00:31:10,380

needle right now

843

00:31:13,430 --> 00:31:11,100

um

844

00:31:16,490 --> 00:31:13,440

you know aaro had

845

00:31:18,370 --> 00:31:16,500

said something like the anomalous events

846

00:31:20,389 --> 00:31:18,380

were

847

00:31:22,149 --> 00:31:20,399

described as being anomalous because

848

00:31:25,990 --> 00:31:22,159

they couldn't immediately be explained

849

00:31:28,789 --> 00:31:26,000

by either the Observer or the sensor

850

00:31:29,990 --> 00:31:28,799

which I was I was and I think my comment

851  
00:31:31,549 --> 00:31:30,000  
was like immediately explained is doing

852  
00:31:32,870 --> 00:31:31,559  
a lot of work in that sense it doesn't

853  
00:31:34,490 --> 00:31:32,880  
mean they're not explained it just means

854  
00:31:36,470 --> 00:31:34,500  
we can't immediately come up with an

855  
00:31:38,810 --> 00:31:36,480  
explanation sure

856  
00:31:40,850 --> 00:31:38,820  
um but then I think it was

857  
00:31:42,169 --> 00:31:40,860  
um maybe David spurgle or someone who

858  
00:31:43,970 --> 00:31:42,179  
said well

859  
00:31:47,029 --> 00:31:43,980  
you know if we have this enormous

860  
00:31:48,649 --> 00:31:47,039  
Haystack of objects in the sky the one

861  
00:31:50,930 --> 00:31:48,659  
thing that we can do really well is

862  
00:31:52,970 --> 00:31:50,940  
figure out what our Haystack looks like

863  
00:31:55,010 --> 00:31:52,980

and so if we know what our Haystack

864

00:31:56,810 --> 00:31:55,020

looks like then if something that

865

00:32:00,409 --> 00:31:56,820

doesn't look like that Haystack pops up

866

00:32:02,810 --> 00:32:00,419

then maybe that's a good place to start

867

00:32:04,730 --> 00:32:02,820

even if we don't you know really know

868

00:32:05,570 --> 00:32:04,740

how to define what that something should

869

00:32:08,149 --> 00:32:05,580

look like

870

00:32:10,190 --> 00:32:08,159

yeah and and this topic I think just the

871

00:32:12,230 --> 00:32:10,200

idea that the needle may be in the

872

00:32:14,149 --> 00:32:12,240

haystack is enough for many people to

873

00:32:16,610 --> 00:32:14,159

you know or they have ones themselves

874

00:32:18,649 --> 00:32:16,620

saw a needle in a haystack so yeah every

875

00:32:20,330 --> 00:32:18,659

Haystack has a needle within it won't

876

00:32:21,889 --> 00:32:20,340

get too bogged down in your needles and

877

00:32:24,049 --> 00:32:21,899

Haystacks but yeah

878

00:32:25,909 --> 00:32:24,059

um with that Nick want your closing

879

00:32:27,830 --> 00:32:25,919

statement you mentioned uh many

880

00:32:29,810 --> 00:32:27,840

discoveries in science are rooted in

881

00:32:31,250 --> 00:32:29,820

unexplained and bizarre phenomenon I

882

00:32:32,990 --> 00:32:31,260

believe this had been said earlier in

883

00:32:34,250 --> 00:32:33,000

the meeting as well something that

884

00:32:35,690 --> 00:32:34,260

frustrates me

885

00:32:38,090 --> 00:32:35,700

um is some of the best known scientists

886

00:32:40,610 --> 00:32:38,100

on the planet Neil deGrasse Tyson uh

887

00:32:43,010 --> 00:32:40,620

Professor Brian Cox in the UK and others

888

00:32:46,070 --> 00:32:43,020

have been rather outspoken in the UFO

889

00:32:47,810 --> 00:32:46,080

topic being dismissive of this likely

890

00:32:50,330 --> 00:32:47,820

being any sort of technology that

891

00:32:52,549 --> 00:32:50,340

represents something as non-human is it

892

00:32:54,169 --> 00:32:52,559

fair to say there's still many folks in

893

00:32:56,990 --> 00:32:54,179

the scientific and academic communities

894

00:32:59,690 --> 00:32:57,000

who don't see the UFO topic is being

895

00:33:01,250 --> 00:32:59,700

worthy of study at all and in a way is

896

00:33:03,169 --> 00:33:01,260

that not turning their back on what

897

00:33:06,049 --> 00:33:03,179

could be the greatest discovery of all

898

00:33:08,810 --> 00:33:06,059

time which as someone who's a Layman and

899

00:33:10,970 --> 00:33:08,820

I absolutely am that surely goes against

900

00:33:13,909 --> 00:33:10,980

why people get into science in the first

901  
00:33:16,549 --> 00:33:13,919  
place because why not go and find that

902  
00:33:18,350 --> 00:33:16,559  
mm-hmm yeah no that's a really good

903  
00:33:19,370 --> 00:33:18,360  
question and and I I agree with your

904  
00:33:20,029 --> 00:33:19,380  
perspective

905  
00:33:22,610 --> 00:33:20,039  
um

906  
00:33:25,130 --> 00:33:22,620  
I think both things can be true I think

907  
00:33:26,810 --> 00:33:25,140  
it can be true that the probability of

908  
00:33:28,669 --> 00:33:26,820  
you know any of these events being of

909  
00:33:31,130 --> 00:33:28,679  
extraterrestrial origin is you know

910  
00:33:32,750 --> 00:33:31,140  
either zero or very close to zero I

911  
00:33:33,950 --> 00:33:32,760  
think that can be true and I think it

912  
00:33:35,750 --> 00:33:33,960  
can also be true that they're worth

913  
00:33:36,409 --> 00:33:35,760

studying

914

00:33:38,509 --> 00:33:36,419

um

915

00:33:40,970 --> 00:33:38,519

for a lot of reasons you know we did you

916

00:33:43,370 --> 00:33:40,980

the analogy the fast radio burst story

917

00:33:46,070 --> 00:33:43,380

was one that um David spurgle brought up

918

00:33:50,990 --> 00:33:48,470

um I also think it's true that if we

919

00:33:52,430 --> 00:33:51,000

recommend something like we scan the

920

00:33:53,990 --> 00:33:52,440

skies all the time we're going to find

921

00:33:55,549 --> 00:33:54,000

new and interesting atmospheric

922

00:33:57,350 --> 00:33:55,559

phenomena that help us understand our

923

00:33:58,430 --> 00:33:57,360

planet better

924

00:34:02,570 --> 00:33:58,440

um

925

00:34:05,149 --> 00:34:02,580

I also think that there is a logical

926

00:34:07,370 --> 00:34:05,159

Continuum between

927

00:34:09,950 --> 00:34:07,380

thinking about techno signatures that

928

00:34:10,790 --> 00:34:09,960

are produced by alien civilizations

929

00:34:13,490 --> 00:34:10,800

um

930

00:34:16,250 --> 00:34:13,500

if we think that it's valid to search

931

00:34:17,570 --> 00:34:16,260

for alien techno signatures so study the

932

00:34:20,149 --> 00:34:17,580

search for extraterrestrial intelligence

933

00:34:23,149 --> 00:34:20,159

if we think it's valid to do that

934

00:34:24,710 --> 00:34:23,159

um from you know in space there's a

935

00:34:26,089 --> 00:34:24,720

Continuum between doing that and

936

00:34:28,609 --> 00:34:26,099

thinking that it's legitimate to look

937

00:34:29,829 --> 00:34:28,619

for those things closer to Earth

938

00:34:32,750 --> 00:34:29,839

um

939

00:34:34,190 --> 00:34:32,760

the kind of messy reality there is that

940

00:34:35,329 --> 00:34:34,200

the probabilities are very much more in

941

00:34:37,909 --> 00:34:35,339

our favor if we're thinking about

942

00:34:39,710 --> 00:34:37,919

finding techno signatures in outer space

943

00:34:40,849 --> 00:34:39,720

and the laws of physics are not in our

944

00:34:42,409 --> 00:34:40,859

favor if we're thinking about looking

945

00:34:44,510 --> 00:34:42,419

for this for those things in Earth's

946

00:34:46,190 --> 00:34:44,520

atmosphere so but that's not to say that

947

00:34:49,070 --> 00:34:46,200

they're not related sorry that was kind

948

00:34:50,450 --> 00:34:49,080

of a jumbly answer but not at all

949

00:34:52,790 --> 00:34:50,460

I understand what you're getting

950

00:34:55,129 --> 00:34:52,800

absolutely and I wonder were there any

951  
00:34:57,470 --> 00:34:55,139  
moments in in your time on the study

952  
00:34:59,030 --> 00:34:57,480  
that you can talk about that maybe your

953  
00:35:01,010 --> 00:34:59,040  
library got raised you know something

954  
00:35:03,710 --> 00:35:01,020  
came across your desk something came in

955  
00:35:07,490 --> 00:35:03,720  
the form of an email or a data set where

956  
00:35:09,170 --> 00:35:07,500  
you went that is interesting

957  
00:35:10,609 --> 00:35:09,180  
um so we didn't we didn't really look at

958  
00:35:13,430 --> 00:35:10,619  
the data sets

959  
00:35:14,150 --> 00:35:13,440  
right so that's one of the things that I

960  
00:35:15,589 --> 00:35:14,160  
think

961  
00:35:17,510 --> 00:35:15,599  
um

962  
00:35:20,150 --> 00:35:17,520  
is a common misconception like we didn't

963  
00:35:20,930 --> 00:35:20,160

really go through the data

964

00:35:24,349 --> 00:35:20,940

um

965

00:35:27,829 --> 00:35:24,359

we did hear from Alex Dietrich who was

966

00:35:30,290 --> 00:35:27,839

obviously involved in um the Tic Tac and

967

00:35:31,849 --> 00:35:30,300

it was really cool hearing from her

968

00:35:33,829 --> 00:35:31,859

um it was a really really she gave a

969

00:35:35,630 --> 00:35:33,839

great presentation it was fun chatting

970

00:35:37,849 --> 00:35:35,640

with her and also hearing about you know

971

00:35:39,770 --> 00:35:37,859

her experiences after all of that

972

00:35:42,530 --> 00:35:39,780

unfolded and yeah

973

00:35:43,250 --> 00:35:42,540

the issues that she's had related to it

974

00:35:45,829 --> 00:35:43,260

um

975

00:35:50,210 --> 00:35:45,839

so yeah so that was cool I mean what I

976  
00:35:53,510 --> 00:35:52,010  
there's a lot of interestingness out

977  
00:35:55,849 --> 00:35:53,520  
there

978  
00:35:58,250 --> 00:35:55,859  
and I think it's worth looking at

979  
00:36:01,310 --> 00:35:59,810  
I don't I don't think we're gonna end up

980  
00:36:03,109 --> 00:36:01,320  
finding evidence of extraterrestrial

981  
00:36:04,730 --> 00:36:03,119  
technology but if we do

982  
00:36:08,089 --> 00:36:04,740  
awesome

983  
00:36:09,290 --> 00:36:08,099  
as scientists is it fair to say and if

984  
00:36:11,750 --> 00:36:09,300  
someone's listening to this and they

985  
00:36:13,130 --> 00:36:11,760  
will be having a UFO undressed a bit

986  
00:36:16,069 --> 00:36:13,140  
strange if you'll be on but hi if you

987  
00:36:18,290 --> 00:36:16,079  
are now a room full of scientist hating

988  
00:36:20,930 --> 00:36:18,300

a pilot as qualified as she may be in

989

00:36:23,210 --> 00:36:20,940

Alex Dietrich CV is incredible you know

990

00:36:25,310 --> 00:36:23,220

very well thought of top of our game for

991

00:36:27,170 --> 00:36:25,320

a long long time and our story is

992

00:36:29,870 --> 00:36:27,180

available known one now and she speaks

993

00:36:31,609 --> 00:36:29,880

so well it's still to that room of

994

00:36:34,310 --> 00:36:31,619

scientists just someone telling their

995

00:36:37,010 --> 00:36:34,320

story and they need far more than that

996

00:36:38,690 --> 00:36:37,020

as well told as that story Maybe

997

00:36:40,250 --> 00:36:38,700

right right and I know that's

998

00:36:41,990 --> 00:36:40,260

frustrating too

999

00:36:44,210 --> 00:36:42,000

um you know one of the things that we

1000

00:36:47,089 --> 00:36:44,220

did put in our remarks was that

1001  
00:36:48,829 --> 00:36:47,099  
eyewitness accounts on their own while

1002  
00:36:50,390 --> 00:36:48,839  
they are interesting and compelling or

1003  
00:36:52,990 --> 00:36:50,400  
not enough

1004  
00:36:55,849 --> 00:36:53,000  
to draw any conclusive

1005  
00:36:59,450 --> 00:36:55,859  
to make any conclusions about the nature

1006  
00:37:04,550 --> 00:37:01,670  
that's true and we heard a little bit of

1007  
00:37:05,870 --> 00:37:04,560  
that from Scott Kelly who I know he's

1008  
00:37:07,550 --> 00:37:05,880  
gotten a lot of blowback for his

1009  
00:37:09,470 --> 00:37:07,560  
statements about Bart Simpson as well

1010  
00:37:11,510 --> 00:37:09,480  
yep

1011  
00:37:13,970 --> 00:37:11,520  
but human brains are fallible right

1012  
00:37:15,290 --> 00:37:13,980  
sensors are fallible

1013  
00:37:16,609 --> 00:37:15,300

um you know the courts here in the

1014

00:37:18,470 --> 00:37:16,619

states are really kind of turning away

1015

00:37:21,170 --> 00:37:18,480

from eyewitness testimony because it is

1016

00:37:23,210 --> 00:37:21,180

unreliable in general

1017

00:37:25,250 --> 00:37:23,220

um which is not to say that it's not

1018

00:37:27,950 --> 00:37:25,260

useful right and so what I generally

1019

00:37:29,630 --> 00:37:27,960

tend to do because I've heard stories

1020

00:37:31,910 --> 00:37:29,640

from people who've seen things they

1021

00:37:34,069 --> 00:37:31,920

can't explain my entire life

1022

00:37:35,450 --> 00:37:34,079

sure

1023

00:37:38,390 --> 00:37:35,460

um

1024

00:37:40,790 --> 00:37:38,400

is like I believe people you know I I

1025

00:37:42,710 --> 00:37:40,800

will listen to a story and I will I

1026  
00:37:46,069 --> 00:37:42,720  
believe that somebody has seen something

1027  
00:37:47,089 --> 00:37:46,079  
that they can't explain that's totally

1028  
00:37:50,690 --> 00:37:47,099  
valid

1029  
00:37:52,670 --> 00:37:50,700  
but then where you know our paths kind

1030  
00:37:54,170 --> 00:37:52,680  
of diverge is where somebody says I

1031  
00:37:55,730 --> 00:37:54,180  
can't explain this therefore it must be

1032  
00:37:57,710 --> 00:37:55,740  
extraterrestrial

1033  
00:37:59,450 --> 00:37:57,720  
it's like to me that those two dots

1034  
00:38:01,190 --> 00:37:59,460  
don't connect like that like you have to

1035  
00:38:02,150 --> 00:38:01,200  
follow a different pathway before you

1036  
00:38:04,190 --> 00:38:02,160  
arrive at the Extraterrestrial

1037  
00:38:05,930 --> 00:38:04,200  
explanation

1038  
00:38:07,490 --> 00:38:05,940

um and I think some people get confused

1039

00:38:09,170 --> 00:38:07,500

with some like yourself I hope you've

1040

00:38:11,829 --> 00:38:09,180

come across and you have to me that

1041

00:38:14,210 --> 00:38:11,839

you're very willing to find out we have

1042

00:38:15,770 --> 00:38:14,220

extraterrestrial visitation non-human

1043

00:38:18,050 --> 00:38:15,780

probes from a different planet

1044

00:38:20,930 --> 00:38:18,060

civilization whatever it may be but you

1045

00:38:23,810 --> 00:38:20,940

need to see scientific data that backs

1046

00:38:25,670 --> 00:38:23,820

that up not a wealth of testimony or

1047

00:38:28,310 --> 00:38:25,680

videos on YouTube because that's just

1048

00:38:30,349 --> 00:38:28,320

not how you're wired to to receive that

1049

00:38:32,089 --> 00:38:30,359

information and as frustrating as that

1050

00:38:34,010 --> 00:38:32,099

may be that's also like I said earlier

1051  
00:38:35,690 --> 00:38:34,020  
one of the reasons it's good to have a

1052  
00:38:37,670 --> 00:38:35,700  
panel of folks who are looking at the

1053  
00:38:41,030 --> 00:38:37,680  
scientific data because if they can

1054  
00:38:43,010 --> 00:38:41,040  
truly find that real hard evidence then

1055  
00:38:47,390 --> 00:38:43,020  
it blows the whole thing wide open and

1056  
00:38:50,569 --> 00:38:47,400  
as much as our 800 reports if 799 are

1057  
00:38:52,910 --> 00:38:50,579  
prosec it just takes that one that

1058  
00:38:54,170 --> 00:38:52,920  
everything else changes it just takes

1059  
00:38:56,210 --> 00:38:54,180  
that one

1060  
00:38:58,069 --> 00:38:56,220  
um yeah and one of the discussions that

1061  
00:38:59,750 --> 00:38:58,079  
I was seeing happen

1062  
00:39:02,569 --> 00:38:59,760  
when the panel was announced was

1063  
00:39:05,270 --> 00:39:02,579

something like wow this is going to be a

1064

00:39:07,370 --> 00:39:05,280

really good lesson in you know standards

1065

00:39:09,109 --> 00:39:07,380

of evidence you know how

1066

00:39:11,450 --> 00:39:09,119

what standards do you hold your data to

1067

00:39:13,010 --> 00:39:11,460

how closely do you scrutinize it and I

1068

00:39:15,589 --> 00:39:13,020

think that's where we're seeing a

1069

00:39:19,010 --> 00:39:15,599

difference here is you know how what

1070

00:39:21,349 --> 00:39:19,020

what do we need to see to convince us

1071

00:39:22,910 --> 00:39:21,359

um that something is real and that's

1072

00:39:24,770 --> 00:39:22,920

exactly what you were just saying is

1073

00:39:26,990 --> 00:39:24,780

like you know everyone's open to the

1074

00:39:29,930 --> 00:39:27,000

possibility but it's just gonna the bar

1075

00:39:31,790 --> 00:39:29,940

is pretty high and it should lie it

1076

00:39:35,410 --> 00:39:31,800

should be High

1077

00:39:38,930 --> 00:39:35,420

um because we don't want to mess this up

1078

00:39:40,609 --> 00:39:38,940

your exact wording was at UAP offer an

1079

00:39:43,190 --> 00:39:40,619

excellent opportunity to demonstrate the

1080

00:39:44,750 --> 00:39:43,200

power of the scientific method which is

1081

00:39:46,849 --> 00:39:44,760

absolutely correct

1082

00:39:48,170 --> 00:39:46,859

um again for a Layman like myself saying

1083

00:39:50,630 --> 00:39:48,180

scientifically minded people getting

1084

00:39:53,329 --> 00:39:50,640

involved is wonderful do you think this

1085

00:39:56,569 --> 00:39:53,339

panel given your experience as a start

1086

00:39:58,849 --> 00:39:56,579

of something more within the UAP topic

1087

00:40:00,890 --> 00:39:58,859

and more people like you and the others

1088

00:40:03,050 --> 00:40:00,900

on that panel getting involved other

1089

00:40:04,790 --> 00:40:03,060

panels like this happening was that the

1090

00:40:06,829 --> 00:40:04,800

general kind of feeling and Vibe you got

1091

00:40:08,990 --> 00:40:06,839

from the people you worked with

1092

00:40:11,470 --> 00:40:09,000

I don't actually know

1093

00:40:15,170 --> 00:40:11,480

what the future looks like

1094

00:40:17,690 --> 00:40:15,180

I don't know I mean I think if if NASA

1095

00:40:19,849 --> 00:40:17,700

does adopt if they choose to adopt the

1096

00:40:22,550 --> 00:40:19,859

recommendations that we make then then

1097

00:40:24,410 --> 00:40:22,560

we'll start to see something shifting

1098

00:40:25,069 --> 00:40:24,420

um but I don't I don't know I mean I

1099

00:40:26,630 --> 00:40:25,079

don't really know what the

1100

00:40:28,790 --> 00:40:26,640

recommendations we're going to make are

1101  
00:40:30,410 --> 00:40:28,800  
at this point

1102  
00:40:31,970 --> 00:40:30,420  
um but if the agency does put something

1103  
00:40:33,710 --> 00:40:31,980  
into place I mean I think you heard Mike

1104  
00:40:35,569 --> 00:40:33,720  
gold say and it was this was the first

1105  
00:40:36,950 --> 00:40:35,579  
time I'd heard him say that that he

1106  
00:40:40,069 --> 00:40:36,960  
would like to see a dedicated office

1107  
00:40:42,349 --> 00:40:40,079  
within the agency kind of like aaro

1108  
00:40:44,150 --> 00:40:42,359  
um looking at these things and if that

1109  
00:40:45,589 --> 00:40:44,160  
does happen then I think you you know

1110  
00:40:48,530 --> 00:40:45,599  
you're going to see that there's a

1111  
00:40:50,630 --> 00:40:48,540  
there's a shift but um I think it's too

1112  
00:40:53,329 --> 00:40:50,640  
soon to say I think this is a great

1113  
00:40:55,970 --> 00:40:53,339

first step in terms of kind of

1114

00:40:58,849 --> 00:40:55,980

destigmatizing the topic and

1115

00:41:00,829 --> 00:40:58,859

kind of in sort of the same way that um

1116

00:41:02,690 --> 00:41:00,839

you know techno signature searches in

1117

00:41:05,270 --> 00:41:02,700

the fields of astrobiology have had to

1118

00:41:07,790 --> 00:41:05,280

kind of shed some of the stigma and move

1119

00:41:09,050 --> 00:41:07,800

in from The Fringe and have I mean study

1120

00:41:10,370 --> 00:41:09,060

is still kind of fighting to be

1121

00:41:11,990 --> 00:41:10,380

considered mainstream science but

1122

00:41:12,730 --> 00:41:12,000

astrobiology now is a discipline that

1123

00:41:15,650 --> 00:41:12,740

everybody

1124

00:41:16,970 --> 00:41:15,660

understands and supports it didn't used

1125

00:41:19,310 --> 00:41:16,980

to be that way

1126

00:41:22,069 --> 00:41:19,320

um so maybe it's just part of the

1127

00:41:24,170 --> 00:41:22,079

Natural Evolution of things

1128

00:41:26,210 --> 00:41:24,180

did you get the opportunity to meet NASA

1129

00:41:29,030 --> 00:41:26,220

administrator Bill Nelson

1130

00:41:31,310 --> 00:41:29,040

I have met him a couple of times

1131

00:41:34,310 --> 00:41:31,320

um you know just also from my work as as

1132

00:41:36,829 --> 00:41:34,320

a journalist so yeah he's a strong

1133

00:41:39,050 --> 00:41:36,839

champion of the UFO topic and has been

1134

00:41:41,870 --> 00:41:39,060

briefed many times in his previous role

1135

00:41:43,970 --> 00:41:41,880

in in US government and I just wonder do

1136

00:41:46,490 --> 00:41:43,980

you think that helps NASA as an

1137

00:41:47,810 --> 00:41:46,500

organization get involved in this now

1138

00:41:49,310 --> 00:41:47,820

and I wonder would this have even

1139

00:41:52,190 --> 00:41:49,320

happened without someone like Bill

1140

00:41:53,569 --> 00:41:52,200

Nelson and his belief he said on live TV

1141

00:41:55,849 --> 00:41:53,579

you know he strongly believes we're not

1142

00:41:57,530 --> 00:41:55,859

alone out there and is that the right

1143

00:42:00,230 --> 00:41:57,540

type of person then for you to be at the

1144

00:42:01,670 --> 00:42:00,240

head of NASA now pushing forward studies

1145

00:42:03,050 --> 00:42:01,680

like this

1146

00:42:04,490 --> 00:42:03,060

I think

1147

00:42:06,770 --> 00:42:04,500

um I'm trying to remember who said it

1148

00:42:08,030 --> 00:42:06,780

but I think Dan Evans might have made a

1149

00:42:11,089 --> 00:42:08,040

remark at the beginning of the meeting

1150

00:42:12,230 --> 00:42:11,099

about how this this is a bill Nielsen

1151

00:42:13,609 --> 00:42:12,240

idea

1152

00:42:16,310 --> 00:42:13,619

um definitely fact check me on that

1153

00:42:18,230 --> 00:42:16,320

because I would probably refer to NASA

1154

00:42:20,030 --> 00:42:18,240

for an answer to that question

1155

00:42:21,829 --> 00:42:20,040

I'll say that's correct and that's

1156

00:42:24,290 --> 00:42:21,839

incorrect and I'll delete as applicable

1157

00:42:26,270 --> 00:42:24,300

but yeah

1158

00:42:27,230 --> 00:42:26,280

dude do the do the fact check on that

1159

00:42:29,510 --> 00:42:27,240

one

1160

00:42:31,370 --> 00:42:29,520

um but no I mean I think

1161

00:42:34,069 --> 00:42:31,380

um

1162

00:42:37,310 --> 00:42:34,079

there are people who don't think that

1163

00:42:39,770 --> 00:42:37,320

there is life beyond Earth in any form

1164

00:42:41,990 --> 00:42:39,780

and that's really interesting

1165

00:42:44,030 --> 00:42:42,000

that's a very interesting perspective to

1166

00:42:46,370 --> 00:42:44,040

have I think because you know my default

1167

00:42:48,349 --> 00:42:46,380

is that there is life beyond Earth and

1168

00:42:50,150 --> 00:42:48,359

we're going to find it at some point

1169

00:42:52,010 --> 00:42:50,160

it's just what form are we going to find

1170

00:42:54,170 --> 00:42:52,020

it in first

1171

00:42:55,609 --> 00:42:54,180

um but there are people who disagree

1172

00:42:57,349 --> 00:42:55,619

with that idea

1173

00:42:59,990 --> 00:42:57,359

which is kind of cool

1174

00:43:01,910 --> 00:43:00,000

absolutely and this study is due to be

1175

00:43:05,809 --> 00:43:01,920

released is it still on track for some

1176

00:43:08,390 --> 00:43:05,819

time end of July or is that a fluid date

1177

00:43:10,670 --> 00:43:08,400

um as far as I know that's the plan I

1178

00:43:11,870 --> 00:43:10,680

don't know you know if I don't I don't

1179

00:43:14,470 --> 00:43:11,880

have a good sense of whether we're

1180

00:43:16,550 --> 00:43:14,480

already falling behind or not

1181

00:43:17,510 --> 00:43:16,560

I really want to see this thing out in

1182

00:43:19,010 --> 00:43:17,520

the wild

1183

00:43:20,630 --> 00:43:19,020

um yeah

1184

00:43:22,670 --> 00:43:20,640

well we're going to shift a little bit

1185

00:43:26,030 --> 00:43:22,680

from the from the science and the data

1186

00:43:27,589 --> 00:43:26,040

into still still very much factual uh

1187

00:43:29,150 --> 00:43:27,599

story it's something that happened this

1188

00:43:31,430 --> 00:43:29,160

week and you mentioned to me before

1189

00:43:33,829 --> 00:43:31,440

recording well you're not totally across

1190

00:43:35,690 --> 00:43:33,839

it you're aware that um Former

1191

00:43:38,329 --> 00:43:35,700

Intelligence officer David grush has

1192

00:43:40,790 --> 00:43:38,339

come forward and blown the whistle on

1193

00:43:43,069 --> 00:43:40,800

alleged documents he has seen and passed

1194

00:43:46,069 --> 00:43:43,079

to Congress that the U.S government is

1195

00:43:49,190 --> 00:43:46,079

aware of pieces of craft full intact

1196

00:43:51,470 --> 00:43:49,200

craft and also non-human bodies now

1197

00:43:53,690 --> 00:43:51,480

that's quite a statement and I just

1198

00:43:56,150 --> 00:43:53,700

wonder when you hear all of that

1199

00:43:58,730 --> 00:43:56,160

happening around the time NASA's had

1200

00:44:00,290 --> 00:43:58,740

this study and we've got talk of U.S

1201

00:44:03,650 --> 00:44:00,300

Congress are going to have hearings on

1202

00:44:06,770 --> 00:44:03,660

UAP what do you immediately think as as

1203

00:44:07,490 --> 00:44:06,780

someone who's scientifically minded

1204

00:44:09,050 --> 00:44:07,500

um

1205

00:44:11,450 --> 00:44:09,060

well I don't I mean I don't have any

1206

00:44:13,309 --> 00:44:11,460

first-hand knowledge of really anything

1207

00:44:16,010 --> 00:44:13,319

I've just been seeing the same headlines

1208

00:44:18,589 --> 00:44:16,020

and stories and

1209

00:44:20,750 --> 00:44:18,599

me I want to see the data I want to see

1210

00:44:22,910 --> 00:44:20,760

the actual documents I want to talk to

1211

00:44:24,589 --> 00:44:22,920

the people right now it sounds like it's

1212

00:44:27,170 --> 00:44:24,599

hearsay

1213

00:44:29,690 --> 00:44:27,180

um you know he didn't actually see the

1214

00:44:31,670 --> 00:44:29,700

craft he didn't actually see

1215

00:44:34,609 --> 00:44:31,680

that's correct yeah he's not he's not

1216

00:44:37,250 --> 00:44:34,619

seen uh videos or photographs he was in

1217

00:44:38,930 --> 00:44:37,260

charge of briefing the president and in

1218

00:44:40,849 --> 00:44:38,940

the fact he had access to over 200

1219

00:44:42,829 --> 00:44:40,859

special access programs as I read this

1220

00:44:46,010 --> 00:44:42,839

off memory uh he saw enough

1221

00:44:48,410 --> 00:44:46,020

documentation that alluded to pieces of

1222

00:44:49,849 --> 00:44:48,420

craft intact craft and bodies so you're

1223

00:44:51,410 --> 00:44:49,859

right and I think they've been honest

1224

00:44:53,589 --> 00:44:51,420

enough to say that and he's come out and

1225

00:44:56,210 --> 00:44:53,599

said I've not seen craft you know videos

1226  
00:44:57,770 --> 00:44:56,220  
photographs myself but I've seen the the

1227  
00:44:59,089 --> 00:44:57,780  
paper trail and that's what he's handed

1228  
00:45:01,849 --> 00:44:59,099  
to Congress

1229  
00:45:03,950 --> 00:45:01,859  
yeah I think I mean you know we've

1230  
00:45:05,690 --> 00:45:03,960  
already talked about where I tend to

1231  
00:45:07,430 --> 00:45:05,700  
come from in terms of my my own

1232  
00:45:09,770 --> 00:45:07,440  
standards but you know I would want to

1233  
00:45:12,050 --> 00:45:09,780  
see those things before

1234  
00:45:13,130 --> 00:45:12,060  
before even you know taking the next

1235  
00:45:14,510 --> 00:45:13,140  
step

1236  
00:45:16,490 --> 00:45:14,520  
um

1237  
00:45:18,890 --> 00:45:16,500  
and to be fair that's why some of those

1238  
00:45:20,930 --> 00:45:18,900

big news organizations apparently passed

1239

00:45:22,910 --> 00:45:20,940

on this they asked to hold they needed

1240

00:45:25,010 --> 00:45:22,920

more time to vet a few more things as

1241

00:45:26,690 --> 00:45:25,020

incredible as the headlines are they

1242

00:45:27,950 --> 00:45:26,700

wanted more time rightly or wrongly

1243

00:45:29,870 --> 00:45:27,960

maybe they've missed out on an

1244

00:45:31,550 --> 00:45:29,880

incredible story maybe they've done the

1245

00:45:35,210 --> 00:45:31,560

right thing if I can ask you a

1246

00:45:38,270 --> 00:45:35,220

hypothetical though F say

1247

00:45:39,589 --> 00:45:38,280

today and the new cycle the US

1248

00:45:40,609 --> 00:45:39,599

government did come out and said you

1249

00:45:43,609 --> 00:45:40,619

know what yeah we actually have

1250

00:45:46,370 --> 00:45:43,619

retrieved a few pieces of of things that

1251  
00:45:49,370 --> 00:45:46,380  
we think in our early testing maybe of

1252  
00:45:53,450 --> 00:45:49,380  
you know exotic origin as per se how

1253  
00:45:58,130 --> 00:45:55,970  
the NASA study I think the NASA study

1254  
00:45:59,630 --> 00:45:58,140  
will be what it is

1255  
00:46:01,609 --> 00:45:59,640  
um it's not a material science

1256  
00:46:04,250 --> 00:46:01,619  
investigation

1257  
00:46:06,650 --> 00:46:04,260  
um it's more just data Gathering about

1258  
00:46:08,930 --> 00:46:06,660  
the phenomenon you know

1259  
00:46:11,569 --> 00:46:08,940  
if the government said we do think these

1260  
00:46:13,430 --> 00:46:11,579  
things are weird then like I would

1261  
00:46:15,170 --> 00:46:13,440  
really hope that they've got some really

1262  
00:46:17,450 --> 00:46:15,180  
good material scientists looking into it

1263  
00:46:19,130 --> 00:46:17,460

and thinking about

1264

00:46:20,870 --> 00:46:19,140

um explanations for what they're seeing

1265

00:46:22,069 --> 00:46:20,880

kind of in the same way you know I just

1266

00:46:23,569 --> 00:46:22,079

keep thinking about this in terms of

1267

00:46:25,609 --> 00:46:23,579

astrobiology

1268

00:46:26,390 --> 00:46:25,619

um biosignatures if you're looking for

1269

00:46:28,849 --> 00:46:26,400

life

1270

00:46:30,349 --> 00:46:28,859

on mars or in the atmosphere of an

1271

00:46:31,190 --> 00:46:30,359

exoplanet what are you actually looking

1272

00:46:33,410 --> 00:46:31,200

for

1273

00:46:35,809 --> 00:46:33,420

and you know people don't necessarily

1274

00:46:38,150 --> 00:46:35,819

know but they have this like huge range

1275

00:46:40,370 --> 00:46:38,160

of ideas and it usually comes down to

1276

00:46:44,050 --> 00:46:40,380

it's not going to be one thing

1277

00:46:47,569 --> 00:46:44,060

on its own unless it's like a squid

1278

00:46:48,770 --> 00:46:47,579

swimming in the ocean of Europa that

1279

00:46:50,270 --> 00:46:48,780

tells you that there's life on another

1280

00:46:52,790 --> 00:46:50,280

world it's going to be a preponderance

1281

00:46:54,410 --> 00:46:52,800

of all the available evidence

1282

00:46:57,589 --> 00:46:54,420

um and so I would hope that that same

1283

00:46:59,750 --> 00:46:57,599

kind of framework would be at play um

1284

00:47:00,829 --> 00:46:59,760

with any sort of Investigation of

1285

00:47:02,690 --> 00:47:00,839

materials

1286

00:47:05,930 --> 00:47:02,700

finding the squid would still be cool

1287

00:47:07,630 --> 00:47:05,940

though I'd be happy with that yeah you'd

1288

00:47:09,950 --> 00:47:07,640

open squids yeah

1289

00:47:11,329 --> 00:47:09,960

honestly your rope and cephalopods would

1290

00:47:13,490 --> 00:47:11,339

be like the coolest thing

1291

00:47:15,109 --> 00:47:13,500

yeah there's a whole the whole series on

1292

00:47:17,230 --> 00:47:15,119

that on that Geo that would be that

1293

00:47:19,550 --> 00:47:17,240

would be worth worth watching

1294

00:47:21,050 --> 00:47:19,560

lesson let's um look at a few lesson our

1295

00:47:22,609 --> 00:47:21,060

questions to finish off an idea if you

1296

00:47:24,650 --> 00:47:22,619

don't mind and some of these may be more

1297

00:47:26,510 --> 00:47:24,660

speculative but that's what listeners

1298

00:47:29,750 --> 00:47:26,520

like to to get into as well

1299

00:47:31,849 --> 00:47:29,760

um first up from Farooq does NASA have

1300

00:47:33,950 --> 00:47:31,859

access to historical data and you

1301  
00:47:35,510 --> 00:47:33,960  
touched on this earlier and what does

1302  
00:47:37,250 --> 00:47:35,520  
NASA think about and you may or may not

1303  
00:47:38,270 --> 00:47:37,260  
have heard of this individual Timothy

1304  
00:47:40,849 --> 00:47:38,280  
Taylor

1305  
00:47:43,730 --> 00:47:40,859  
um or have you or anyone within the NASA

1306  
00:47:46,790 --> 00:47:43,740  
team spoken to others involved with

1307  
00:47:48,530 --> 00:47:46,800  
programs related to the phenomena

1308  
00:47:51,410 --> 00:47:48,540  
did you say Timothy Taylor

1309  
00:47:53,089 --> 00:47:51,420  
yeah I don't I don't know who that is I

1310  
00:47:54,589 --> 00:47:53,099  
don't thank you well he was a gentleman

1311  
00:47:57,890 --> 00:47:54,599  
without going into all the details who

1312  
00:47:59,809 --> 00:47:57,900  
was involved with NASA who allegedly is

1313  
00:48:01,970 --> 00:47:59,819

involved quite deeply in the UFO UAP

1314

00:48:03,410 --> 00:48:01,980

programs to the point is well aware of

1315

00:48:04,970 --> 00:48:03,420

the evidence so that may not be

1316

00:48:07,069 --> 00:48:04,980

something and I doubt that type of

1317

00:48:08,870 --> 00:48:07,079

individual is what you were presented

1318

00:48:10,849 --> 00:48:08,880

with in the group

1319

00:48:13,010 --> 00:48:10,859

um it would be that level but looking at

1320

00:48:15,410 --> 00:48:13,020

historical data

1321

00:48:17,870 --> 00:48:15,420

um what does NASA that you're aware of

1322

00:48:20,089 --> 00:48:17,880

have access to

1323

00:48:21,589 --> 00:48:20,099

I don't know the answer to I don't know

1324

00:48:23,630 --> 00:48:21,599

I don't know what they have in their

1325

00:48:26,089 --> 00:48:23,640

archives I mean I do know that what we

1326

00:48:28,069 --> 00:48:26,099

talked about were

1327

00:48:30,589 --> 00:48:28,079

um you know data collected from the

1328

00:48:32,569 --> 00:48:30,599

earth science program so a lot of the

1329

00:48:34,970 --> 00:48:32,579

earth observing satellites

1330

00:48:37,670 --> 00:48:34,980

um what kinds of capabilities do those

1331

00:48:39,349 --> 00:48:37,680

assets have what sorts of resolution can

1332

00:48:40,069 --> 00:48:39,359

they see

1333

00:48:41,270 --> 00:48:40,079

um

1334

00:48:43,970 --> 00:48:41,280

you know what are the observational

1335

00:48:46,130 --> 00:48:43,980

cadences like I don't think that's the

1336

00:48:48,829 --> 00:48:46,140

kind of data that this listener is

1337

00:48:50,630 --> 00:48:48,839

asking about though uh so do you know

1338

00:48:52,010 --> 00:48:50,640

what the answer let me guess let me

1339

00:48:53,270 --> 00:48:52,020

guess at what he might be thinking of

1340

00:48:54,710 --> 00:48:53,280

and this is what I was going to bring up

1341

00:48:56,569 --> 00:48:54,720

anyway

1342

00:48:58,190 --> 00:48:56,579

and I think something we talked about on

1343

00:49:00,109 --> 00:48:58,200

the podcast several times and listeners

1344

00:49:02,270 --> 00:49:00,119

have got a big interest in if you ever

1345

00:49:04,790 --> 00:49:02,280

go on YouTube and look at any number of

1346

00:49:06,710 --> 00:49:04,800

hours of footage from NASA's space

1347

00:49:09,829 --> 00:49:06,720

station or various you know shuttle

1348

00:49:11,630 --> 00:49:09,839

missions there are hundreds of hours of

1349

00:49:14,690 --> 00:49:11,640

interesting objects floating about in

1350

00:49:16,550 --> 00:49:14,700

space almost definitely there is a lot

1351  
00:49:18,770 --> 00:49:16,560  
of very prosaic items up there including

1352  
00:49:21,349 --> 00:49:18,780  
ice crystals you know bits of craft

1353  
00:49:22,970 --> 00:49:21,359  
breaking off you know just satellites

1354  
00:49:25,309 --> 00:49:22,980  
and junk because if you ever see those

1355  
00:49:26,990 --> 00:49:25,319  
pictures of our orbit that is it's a

1356  
00:49:29,510 --> 00:49:27,000  
junkyard up there with what's lying

1357  
00:49:31,849 --> 00:49:29,520  
about you know relatively however there

1358  
00:49:34,190 --> 00:49:31,859  
are some very interesting bits of

1359  
00:49:36,349 --> 00:49:34,200  
footage official NASA footage that show

1360  
00:49:38,390 --> 00:49:36,359  
some interesting movements potentially

1361  
00:49:40,010 --> 00:49:38,400  
of objects you know

1362  
00:49:42,470 --> 00:49:40,020  
um and I think a lot of people would

1363  
00:49:44,089 --> 00:49:42,480

automatically think if I as a Layman was

1364

00:49:46,910 --> 00:49:44,099

going to be placed onto a NASA panel

1365

00:49:48,890 --> 00:49:46,920

looking at UAP why wouldn't I go and

1366

00:49:51,109 --> 00:49:48,900

watch some really interesting or cool

1367

00:49:53,690 --> 00:49:51,119

videos even if it was purely

1368

00:49:55,250 --> 00:49:53,700

Dr Nadia Drake half past nine at night

1369

00:49:57,349 --> 00:49:55,260

putting her feet up on the couch glass

1370

00:49:58,910 --> 00:49:57,359

of wine and going what does NASA have

1371

00:50:00,650 --> 00:49:58,920

let me check out YouTube is that not

1372

00:50:01,910 --> 00:50:00,660

even something that would cross your

1373

00:50:05,510 --> 00:50:01,920

mind

1374

00:50:08,210 --> 00:50:05,520

I mean I think no it didn't

1375

00:50:10,190 --> 00:50:08,220

um and I think because if NASA had

1376  
00:50:11,690 --> 00:50:10,200  
something like that that was going to be

1377  
00:50:13,430 --> 00:50:11,700  
truly informative to the work that we

1378  
00:50:15,349 --> 00:50:13,440  
were doing I think they probably would

1379  
00:50:17,990 --> 00:50:15,359  
have showed us or pointed it toward it

1380  
00:50:19,130 --> 00:50:18,000  
pointed us toward it

1381  
00:50:21,710 --> 00:50:19,140  
um and I think you know we heard from

1382  
00:50:24,050 --> 00:50:21,720  
Scott Kelly who was saying a very he

1383  
00:50:26,690 --> 00:50:24,060  
gave a very definitive answer when it

1384  
00:50:28,250 --> 00:50:26,700  
came to astronauts signing ndas

1385  
00:50:30,770 --> 00:50:28,260  
um we had a very definitive answer to

1386  
00:50:32,990 --> 00:50:30,780  
has NASA ever cut the feed for

1387  
00:50:35,870 --> 00:50:33,000  
um if a UAP was spotted you know the

1388  
00:50:37,609 --> 00:50:35,880

answer was no so you know I think if any

1389

00:50:39,050 --> 00:50:37,619

of those videos were going to be

1390

00:50:41,270 --> 00:50:39,060

informative to our work we probably

1391

00:50:42,230 --> 00:50:41,280

would have seen them but

1392

00:50:44,089 --> 00:50:42,240

um

1393

00:50:45,770 --> 00:50:44,099

I know a lot of lessons right now will

1394

00:50:47,630 --> 00:50:45,780

potentially disagree with that just

1395

00:50:49,130 --> 00:50:47,640

given some of the I've done a show on

1396

00:50:51,530 --> 00:50:49,140

some of the videos and I'll just see and

1397

00:50:52,849 --> 00:50:51,540

I'm sure a scientist or someone who was

1398

00:50:55,069 --> 00:50:52,859

more skeptical would sit and tell me

1399

00:50:56,630 --> 00:50:55,079

what some of these things may be there's

1400

00:50:57,950 --> 00:50:56,640

definitely a couple of videos and I'll

1401

00:50:59,569 --> 00:50:57,960

personally just send you some links

1402

00:51:02,210 --> 00:50:59,579

anyway afterwards an idea that you can

1403

00:51:03,530 --> 00:51:02,220

choose to yeah do what do what you like

1404

00:51:04,849 --> 00:51:03,540

with but there's some pretty interesting

1405

00:51:07,609 --> 00:51:04,859

movements

1406

00:51:09,770 --> 00:51:07,619

um from things out in space that can't

1407

00:51:11,510 --> 00:51:09,780

be explained and and I've said before as

1408

00:51:13,250 --> 00:51:11,520

well on the other side of that I'm will

1409

00:51:15,290 --> 00:51:13,260

a bit of NASA when they may or may not

1410

00:51:16,730 --> 00:51:15,300

cut their feeds can be because other

1411

00:51:19,190 --> 00:51:16,740

objects come into play that aren't

1412

00:51:21,650 --> 00:51:19,200

necessarily UFOs it could be us

1413

00:51:23,030 --> 00:51:21,660

technology satellites you know things

1414

00:51:25,010 --> 00:51:23,040

are just not meant to be filming I've

1415

00:51:26,150 --> 00:51:25,020

been told in the past however

1416

00:51:27,829 --> 00:51:26,160

um like you say if that's not something

1417

00:51:30,109 --> 00:51:27,839

you're a lot more privy to

1418

00:51:31,970 --> 00:51:30,119

that's that's the way it goes

1419

00:51:33,170 --> 00:51:31,980

um question from Chris and that's that's

1420

00:51:35,569 --> 00:51:33,180

me repeat a little bit on previous

1421

00:51:36,950 --> 00:51:35,579

questions uh I would love to know if the

1422

00:51:39,170 --> 00:51:36,960

information that they're going to look

1423

00:51:41,450 --> 00:51:39,180

for or already have is going to be

1424

00:51:43,250 --> 00:51:41,460

shared with the public or is it going to

1425

00:51:44,930 --> 00:51:43,260

be classified and do we get an

1426  
00:51:46,309 --> 00:51:44,940  
unclassified version like it's happening

1427  
00:51:48,230 --> 00:51:46,319  
for congress so what you're going to

1428  
00:51:49,910 --> 00:51:48,240  
present is it completely public and

1429  
00:51:52,430 --> 00:51:49,920  
transparent or are there potentially

1430  
00:51:54,829 --> 00:51:52,440  
variations yeah no it's all going to be

1431  
00:51:56,210 --> 00:51:54,839  
totally public totally open yep nothing

1432  
00:51:58,130 --> 00:51:56,220  
classified

1433  
00:52:00,710 --> 00:51:58,140  
and crested have a little bit on there

1434  
00:52:02,450 --> 00:52:00,720  
for context however I think it gets to

1435  
00:52:04,430 --> 00:52:02,460  
what we've alluded to that some people

1436  
00:52:07,069 --> 00:52:04,440  
thought you were going to present is

1437  
00:52:09,109 --> 00:52:07,079  
there evidence of you truly enormous UAP

1438  
00:52:12,049 --> 00:52:09,119

and that wasn't the purpose of the study

1439

00:52:13,790 --> 00:52:12,059

the purpose of the study was look at how

1440

00:52:15,470 --> 00:52:13,800

data collection could be better suited

1441

00:52:18,349 --> 00:52:15,480

how it could be gathered what data is

1442

00:52:20,809 --> 00:52:18,359

out there to use and maybe some of that

1443

00:52:23,030 --> 00:52:20,819

stuff people would want to come in would

1444

00:52:26,329 --> 00:52:23,040

be the result of a future studying

1445

00:52:28,849 --> 00:52:26,339

investigation yep that's exactly right

1446

00:52:34,309 --> 00:52:28,859

um yeah you you nailed it

1447

00:52:37,849 --> 00:52:35,990

um question from David what is the

1448

00:52:40,549 --> 00:52:37,859

likelihood that life evolves outside

1449

00:52:42,710 --> 00:52:40,559

this biosphere would still use DNA as a

1450

00:52:45,109 --> 00:52:42,720

blueprint for physical makeup okay

1451

00:52:45,770 --> 00:52:45,119

that's such a good question

1452

00:52:47,510 --> 00:52:45,780

um

1453

00:52:49,130 --> 00:52:47,520

that is such a good question and the

1454

00:52:50,809 --> 00:52:49,140

answer is we don't know

1455

00:52:52,010 --> 00:52:50,819

we don't know

1456

00:52:54,470 --> 00:52:52,020

um

1457

00:52:55,730 --> 00:52:54,480

DNA is one thing that you know I was

1458

00:52:57,109 --> 00:52:55,740

talking about this constellation of

1459

00:53:00,049 --> 00:52:57,119

biosignatures that you can think about

1460

00:53:02,750 --> 00:53:00,059

looking for if you find DNA that's

1461

00:53:04,910 --> 00:53:02,760

that's a pretty good one

1462

00:53:07,730 --> 00:53:04,920

um but the answer is we really don't

1463

00:53:09,530 --> 00:53:07,740

know until we until we see it

1464

00:53:12,170 --> 00:53:09,540

um there are some

1465

00:53:14,270 --> 00:53:12,180

I think there are some instances in

1466

00:53:16,849 --> 00:53:14,280

which seeing something like that is a

1467

00:53:19,670 --> 00:53:16,859

lot more likely so on a on a world that

1468

00:53:21,349 --> 00:53:19,680

has a chemistry like ours

1469

00:53:23,750 --> 00:53:21,359

um but if you look at somewhere like the

1470

00:53:26,690 --> 00:53:23,760

surface of Titan where it's kind of

1471

00:53:28,490 --> 00:53:26,700

alien if totally alien chemistry

1472

00:53:31,190 --> 00:53:28,500

um lakes and seas made of hydrocarbons

1473

00:53:35,270 --> 00:53:31,200

you know the rocks are water ice the

1474

00:53:37,549 --> 00:53:35,280

sand is also hydrocarbons you would not

1475

00:53:39,530 --> 00:53:37,559

be seeing a chemistry

1476

00:53:41,030 --> 00:53:39,540

um like ours and so I think if life

1477

00:53:43,309 --> 00:53:41,040

evolved there it's building blocks are

1478

00:53:46,010 --> 00:53:43,319

likely to be quite different

1479

00:53:49,309 --> 00:53:46,020

but you know the answer is we don't know

1480

00:53:51,589 --> 00:53:49,319

and final question from Simply a is when

1481

00:53:54,650 --> 00:53:51,599

so many other people and agencies have

1482

00:53:57,290 --> 00:53:54,660

seen uaps how can it be Nasa say they

1483

00:53:59,030 --> 00:53:57,300

have never got any credible footage on

1484

00:54:01,630 --> 00:53:59,040

their servers I'll just say I'm going to

1485

00:54:04,790 --> 00:54:01,640

paraphrase that one

1486

00:54:06,890 --> 00:54:04,800

again I think it comes back to you know

1487

00:54:09,290 --> 00:54:06,900

what are your standards of evidence how

1488

00:54:10,010 --> 00:54:09,300

are you define incredible

1489

00:54:12,410 --> 00:54:10,020

um

1490

00:54:15,049 --> 00:54:12,420

I would also contend that just because

1491

00:54:17,750 --> 00:54:15,059

again you see something that is an

1492

00:54:21,049 --> 00:54:17,760

unidentified craft that doesn't mean

1493

00:54:23,030 --> 00:54:21,059

that it has an alien origin

1494

00:54:26,930 --> 00:54:23,040

um and if you if you think about

1495

00:54:28,970 --> 00:54:26,940

what um Sean Kirkpatrick said you know

1496

00:54:31,130 --> 00:54:28,980

they have 800 some odd cases only

1497

00:54:33,829 --> 00:54:31,140

somewhere between two and five percent

1498

00:54:35,930 --> 00:54:33,839

you know small single digits are not

1499

00:54:38,450 --> 00:54:35,940

immediately explainable

1500

00:54:39,829 --> 00:54:38,460

all those people who made the reports

1501  
00:54:41,569 --> 00:54:39,839  
didn't know what they were seeing and

1502  
00:54:43,730 --> 00:54:41,579  
they didn't know how to explain them

1503  
00:54:45,109 --> 00:54:43,740  
so again just because you see something

1504  
00:54:46,910 --> 00:54:45,119  
you can't explain doesn't mean that it

1505  
00:54:49,809 --> 00:54:46,920  
has an extraterrestrial origin but it

1506  
00:54:52,609 --> 00:54:51,890  
answering that question takes a lot of

1507  
00:54:55,130 --> 00:54:52,619  
work

1508  
00:54:56,390 --> 00:54:55,140  
it does and uh I think what we can look

1509  
00:54:59,089 --> 00:54:56,400  
at though is that people like Alex

1510  
00:55:00,589 --> 00:54:59,099  
dietrich's David fravor have claimed to

1511  
00:55:03,650 --> 00:55:00,599  
have seen some pretty incredible things

1512  
00:55:05,450 --> 00:55:03,660  
pretty close up that people like

1513  
00:55:09,410 --> 00:55:05,460

yourself Nadia would love to get your

1514

00:55:11,089 --> 00:55:09,420

hands on that sort of data footage and

1515

00:55:13,790 --> 00:55:11,099

right now that's just not what the ask

1516

00:55:15,710 --> 00:55:13,800

was but I wonder if you finish off do

1517

00:55:17,150 --> 00:55:15,720

you think given the work you've done as

1518

00:55:19,309 --> 00:55:17,160

part of this study and the work that's

1519

00:55:21,170 --> 00:55:19,319

being done as part of the study are we

1520

00:55:22,849 --> 00:55:21,180

any closer to knowing more of an exact

1521

00:55:25,309 --> 00:55:22,859

answer to your father's famous equation

1522

00:55:26,390 --> 00:55:25,319

no

1523

00:55:29,030 --> 00:55:26,400

hmm

1524

00:55:31,370 --> 00:55:29,040

I I don't think the study is going to be

1525

00:55:32,270 --> 00:55:31,380

the one that answers that question for

1526

00:55:37,670 --> 00:55:32,280

him

1527

00:55:40,670 --> 00:55:37,680

periodically you know what do you think

1528

00:55:43,370 --> 00:55:40,680

the answer to the Drake equation is and

1529

00:55:46,490 --> 00:55:43,380

his response was somewhere between one

1530

00:55:48,950 --> 00:55:46,500

and a billion but probably ten thousand

1531

00:55:50,150 --> 00:55:48,960

so he had a good reason for thinking it

1532

00:55:51,770 --> 00:55:50,160

was ten thousand that I won't go into

1533

00:55:53,990 --> 00:55:51,780

but

1534

00:55:55,790 --> 00:55:54,000

um you know I I don't think that this is

1535

00:55:57,890 --> 00:55:55,800

the one that's going to move the ball

1536

00:56:00,230 --> 00:55:57,900

down the field on that one but if it

1537

00:56:02,030 --> 00:56:00,240

does great

1538

00:56:03,290 --> 00:56:02,040

awesome well listen Nadia it's been

1539

00:56:05,270 --> 00:56:03,300

wonderful speaking with you you've been

1540

00:56:06,770 --> 00:56:05,280

very generous with your time

1541

00:56:08,630 --> 00:56:06,780

um it would be great to get you back on

1542

00:56:10,370 --> 00:56:08,640

sometime down the line again from a

1543

00:56:12,710 --> 00:56:10,380

scientific point of view talk about the

1544

00:56:14,809 --> 00:56:12,720

the published paper and also just your

1545

00:56:16,309 --> 00:56:14,819

general thoughts on on life the universe

1546

00:56:18,470 --> 00:56:16,319

and everything

1547

00:56:21,049 --> 00:56:18,480

um I think Gavin you got some abuse

1548

00:56:22,430 --> 00:56:21,059

online I usually ask any of my guests

1549

00:56:24,049 --> 00:56:22,440

this but how can people find you and

1550

00:56:27,170 --> 00:56:24,059

find your work often did you do want

1551

00:56:31,069 --> 00:56:28,490

um first of all thank you for having me

1552

00:56:34,910 --> 00:56:31,079

on I appreciate it um the answer is 42

1553

00:56:39,970 --> 00:56:37,490

um I have I have a website

1554

00:56:43,069 --> 00:56:39,980

um I am on Twitter a lot less these days

1555

00:56:44,809 --> 00:56:43,079

uh but that's that's about it

1556

00:56:46,490 --> 00:56:44,819

I'll put those links in the description

1557

00:56:47,809 --> 00:56:46,500

to the podcast as well if anyone wants

1558

00:56:49,370 --> 00:56:47,819

to get in touch with Nadia check out

1559

00:56:52,190 --> 00:56:49,380

some of our articles on the website as

1560

00:56:53,930 --> 00:56:52,200

well or drop it up nice message on UFO

1561

00:56:55,970 --> 00:56:53,940

Twitter because honestly there are far

1562

00:56:57,349 --> 00:56:55,980

more nice people than than not nice ones

1563

00:56:59,089 --> 00:56:57,359

out there so and I'm sure none of the

1564

00:57:01,730 --> 00:56:59,099

bad ones are listening to this are you

1565

00:57:02,930 --> 00:57:01,740

so yeah Nadia wonderful speaking with

1566

00:57:05,450 --> 00:57:02,940

you and thank you very much for your

1567

00:57:07,490 --> 00:57:05,460

time yeah thank you I appreciate it that

1568

00:57:09,410 --> 00:57:07,500

is all for this week's show thank you

1569

00:57:11,630 --> 00:57:09,420

very much for listening please remember

1570

00:57:14,930 --> 00:57:11,640

to leave the podcast a review on your

1571

00:57:16,609 --> 00:57:14,940

chosen platform you can like retweet And

1572

00:57:18,710 --> 00:57:16,619

subscribe that would all be very much

1573

00:57:20,809 --> 00:57:18,720

appreciated the shows are being uploaded

1574

00:57:22,970 --> 00:57:20,819

onto YouTube as we speak more and more

1575

00:57:25,790 --> 00:57:22,980

you can sign up at [patreon.com](https://www.patreon.com) forward

1576  
00:57:28,250 --> 00:57:25,800  
slash that UFO podcast the accessories

1577  
00:57:30,530 --> 00:57:28,260  
ad free as well please get in touch on

1578  
00:57:33,589 --> 00:57:30,540  
Twitter Facebook Instagram that UFO

1579  
00:57:37,010 --> 00:57:33,599  
podcast of course on Twitter it's at UFO

1580  
00:57:38,569 --> 00:57:37,020  
UAP am and again folks as always keep

1581  
00:57:40,110 --> 00:57:38,579  
looking up you never know what you might

1582  
00:58:03,230 --> 00:57:40,120  
see

1583  
00:58:06,470 --> 00:58:05,809  
but I had some champagne

1584  
00:58:17,450 --> 00:58:06,480  
champagne

1585  
00:58:17,460 --> 00:58:48,450  
Infinity

1586  
00:59:19,130 --> 00:59:05,710  
[Music]

1587  
00:59:23,990 --> 00:59:21,770  
time consider your space consider your

1588  
00:59:25,250 --> 00:59:24,000

lies consider your life considering your

1589

01:00:06,910 --> 00:59:25,260

eyes

1590

01:00:19,890 --> 01:00:08,610

thank you

1591

01:00:31,920 --> 01:00:30,410

[Music]