



HATCH EXIT

46

46

TO NO

1
00:00:03,990 --> 00:00:02,070
station this is houston are you ready

2
00:00:10,150 --> 00:00:04,000
for the event

3
00:00:11,990 --> 00:00:10,160
military times this is mission control

4
00:00:14,070 --> 00:00:12,000
houston please call station for a voice

5
00:00:16,230 --> 00:00:14,080
check

6
00:00:20,310 --> 00:00:16,240
station this is military times how do

7
00:00:23,910 --> 00:00:21,670
we have you loud and clear welcome

8
00:00:26,390 --> 00:00:23,920
aboard the space station

9
00:00:29,189 --> 00:00:26,400
thank you very much for having us today

10
00:00:32,310 --> 00:00:29,199
uh colonel copra it's been 30 years

11
00:00:34,470 --> 00:00:32,320
since you graduated from west point

12
00:00:37,830 --> 00:00:34,480
what would you tell the current class of

13
00:00:43,030 --> 00:00:37,840

cadets about getting into a career in

14

00:00:46,150 --> 00:00:44,470

you know that's a great question you

15

00:00:48,790 --> 00:00:46,160

know i don't think i quite envisioned

16

00:00:51,430 --> 00:00:48,800

that uh i would have this job when i was

17

00:00:53,830 --> 00:00:51,440

a cadet many years ago but uh one of the

18

00:00:55,830 --> 00:00:53,840

great things about the west point

19

00:00:58,869 --> 00:00:55,840

experience is that it's a great training

20

00:01:01,750 --> 00:00:58,879

ground for not just military service

21

00:01:03,750 --> 00:01:01,760

and uh and the service i've had at nasa

22

00:01:05,509 --> 00:01:03,760

but but life as well because it's a

23

00:01:07,910 --> 00:01:05,519

strong academic

24

00:01:10,870 --> 00:01:07,920

uh physical and military preparation and

25

00:01:12,789 --> 00:01:10,880

so for the young people that are at the

26

00:01:15,270 --> 00:01:12,799

academies and particularly west point

27

00:01:15,990 --> 00:01:15,280

one thing to consider is that uh you

28

00:01:17,910 --> 00:01:16,000

know

29

00:01:19,510 --> 00:01:17,920

in our job it's very technical and it's

30

00:01:21,830 --> 00:01:19,520

very operational and those are important

31

00:01:23,830 --> 00:01:21,840

things and important backgrounds to have

32

00:01:25,350 --> 00:01:23,840

but at the end of the day

33

00:01:27,830 --> 00:01:25,360

what we do is very similar to the

34

00:01:29,749 --> 00:01:27,840

military in that it's a team sport and

35

00:01:31,749 --> 00:01:29,759

being able to work as a team is the most

36

00:01:33,990 --> 00:01:31,759

critical skill

37

00:01:36,630 --> 00:01:34,000

for captain scott kelly you've been

38

00:01:38,630 --> 00:01:36,640

aboard the station for just about a year

39

00:01:41,350 --> 00:01:38,640

on the current expedition

40

00:01:48,389 --> 00:01:41,360

how does that time in space compare to

41

00:01:55,830 --> 00:01:52,710

yeah it's uh quite different um

42

00:01:59,270 --> 00:01:55,840

i only i did one uh like six month

43

00:02:01,749 --> 00:01:59,280

cruise on the uss dwight d eisenhower

44

00:02:04,069 --> 00:02:01,759

and then uh a shorter

45

00:02:05,670 --> 00:02:04,079

you know two to three month i think it

46

00:02:08,150 --> 00:02:05,680

was two months uh on the george

47

00:02:10,550 --> 00:02:08,160

washington a little shakedown cruise and

48

00:02:11,990 --> 00:02:10,560

the difference is on uh

49

00:02:15,510 --> 00:02:12,000

you know on the aircraft carrier there

50

00:02:17,190 --> 00:02:15,520

with 5 000 more than 5 000 other people

51
00:02:19,990 --> 00:02:17,200
you have much more room you can go out

52
00:02:21,830 --> 00:02:20,000
on the flight deck get some fresh air

53
00:02:23,910 --> 00:02:21,840
i was a pilot so i got to fly off the

54
00:02:26,309 --> 00:02:23,920
ship we went into port occasionally not

55
00:02:27,510 --> 00:02:26,319
too much but we did do that occasionally

56
00:02:28,630 --> 00:02:27,520
whereas here

57
00:02:35,190 --> 00:02:28,640
um

58
00:02:36,790 --> 00:02:35,200
it's a much more confined space and

59
00:02:39,350 --> 00:02:36,800
but there are similarities i mean it's a

60
00:02:40,150 --> 00:02:39,360
very operationally oriented environment

61
00:02:42,630 --> 00:02:40,160
where

62
00:02:44,869 --> 00:02:42,640
like tim was saying teamwork is uh is

63
00:02:47,589 --> 00:02:44,879

very important so

64

00:02:50,869 --> 00:02:47,599

my experience on on those cruises and on

65

00:02:53,350 --> 00:02:50,879

the ships and on the deployment is is

66

00:02:55,190 --> 00:02:53,360

great training for this but it is uh

67

00:02:58,229 --> 00:02:55,200

it is quite different in a lot of ways

68

00:03:04,470 --> 00:03:01,110

two years ago military times spoke with

69

00:03:08,070 --> 00:03:04,480

terry verts and captain butch

70

00:03:10,390 --> 00:03:08,080

wilmore about a future mission to mars

71

00:03:18,309 --> 00:03:10,400

where do we stand toward that goal right

72

00:03:24,789 --> 00:03:22,070

um we have uh i think a lot of the

73

00:03:27,030 --> 00:03:24,799

technical capability and

74

00:03:28,949 --> 00:03:27,040

a lot of uh you know

75

00:03:31,030 --> 00:03:28,959

good understanding of

76
00:03:33,750 --> 00:03:31,040
what we need to do from a uh you know

77
00:03:35,190 --> 00:03:33,760
physiological standpoint risk mitigation

78
00:03:37,589 --> 00:03:35,200
i mean there's still certain things we

79
00:03:39,750 --> 00:03:37,599
need to learn i think you know radiation

80
00:03:41,110 --> 00:03:39,760
is a is a big factor

81
00:03:41,830 --> 00:03:41,120
um

82
00:03:44,149 --> 00:03:41,840
but

83
00:03:47,509 --> 00:03:44,159
you know getting us to mars i think is

84
00:03:51,030 --> 00:03:47,519
more about the you know public and and

85
00:03:52,229 --> 00:03:51,040
political willpower to do so because

86
00:03:54,470 --> 00:03:52,239
um

87
00:03:57,270 --> 00:03:54,480
even though it's something i think is uh

88
00:03:59,030 --> 00:03:57,280

is quite worthy and uh for the expense

89

00:04:01,030 --> 00:03:59,040

and very important

90

00:04:03,350 --> 00:04:01,040

to us as a uh

91

00:04:05,030 --> 00:04:03,360

you know as a species to can continue to

92

00:04:07,270 --> 00:04:05,040

expand our horizons it's something

93

00:04:09,830 --> 00:04:07,280

that's going to be expensive and uh you

94

00:04:10,789 --> 00:04:09,840

know we need the uh the support to do it

95

00:04:12,149 --> 00:04:10,799

so

96

00:04:15,429 --> 00:04:12,159

you know it's i think it's more of a

97

00:04:18,150 --> 00:04:15,439

matter of choice than it is technical

98

00:04:20,949 --> 00:04:18,160

feasibility

99

00:04:24,629 --> 00:04:20,959

tim in your recent spacewalk you had a

100

00:04:26,390 --> 00:04:24,639

malfunction of your spacesuit

101
00:04:29,590 --> 00:04:26,400
tell us what happened

102
00:04:35,590 --> 00:04:29,600
was there any fear during that event and

103
00:04:39,189 --> 00:04:37,350
you know i might have been the least

104
00:04:40,550 --> 00:04:39,199
worried person out of the whole team

105
00:04:42,629 --> 00:04:40,560
because uh

106
00:04:45,030 --> 00:04:42,639
you know when you talk about water in a

107
00:04:46,950 --> 00:04:45,040
spacesuit it sounds like a pretty

108
00:04:49,110 --> 00:04:46,960
dramatic event and

109
00:04:51,189 --> 00:04:49,120
the things that that we've done because

110
00:04:54,150 --> 00:04:51,199
we've had this circumstance before in

111
00:04:56,390 --> 00:04:54,160
terms of risk mitigation and the level

112
00:04:58,310 --> 00:04:56,400
of water that was in the helmet was such

113
00:05:01,029 --> 00:04:58,320

that i really never had a high level of

114

00:05:02,870 --> 00:05:01,039

concern but i i know that the whole team

115

00:05:04,950 --> 00:05:02,880

was uh was very concerned about the

116

00:05:05,749 --> 00:05:04,960

circumstance one of the

117

00:05:13,110 --> 00:05:05,759

the

118

00:05:15,909 --> 00:05:13,120

had this problem before we've instituted

119

00:05:18,070 --> 00:05:15,919

some methodologies and in terms of how

120

00:05:19,590 --> 00:05:18,080

we get people back inside quickly and

121

00:05:20,950 --> 00:05:19,600

the things we have in the suit that can

122

00:05:21,830 --> 00:05:20,960

help protect us

123

00:05:23,350 --> 00:05:21,840

so

124

00:05:25,270 --> 00:05:23,360

you know i was never actually very

125

00:05:26,870 --> 00:05:25,280

concerned because i knew we had uh lots

126
00:05:29,510 --> 00:05:26,880
of margin and time

127
00:05:32,550 --> 00:05:29,520
and uh i was so impressed with how

128
00:05:33,510 --> 00:05:32,560
both the uh the ground team and uh

129
00:05:35,830 --> 00:05:33,520
and how

130
00:05:38,390 --> 00:05:35,840
my compatriot tim peake outside handled

131
00:05:40,550 --> 00:05:38,400
the whole circumstance so uh i think it

132
00:05:42,070 --> 00:05:40,560
turned out well i think hopefully we'll

133
00:05:43,990 --> 00:05:42,080
understand better

134
00:05:46,230 --> 00:05:44,000
what exactly led to the water in the

135
00:05:49,029 --> 00:05:46,240
helmet but at the end of the day

136
00:05:52,469 --> 00:05:49,039
we got our mission done and we had some

137
00:05:55,350 --> 00:05:52,479
risk mitigation in place to help out

138
00:05:58,629 --> 00:05:55,360

today is the 30th anniversary

139

00:06:00,870 --> 00:05:58,639

of the shuttle challenger explosion

140

00:06:02,150 --> 00:06:00,880

can you check gentlemen give me your

141

00:06:09,909 --> 00:06:02,160

thoughts

142

00:06:13,510 --> 00:06:11,909

yeah i was in uh

143

00:06:17,590 --> 00:06:13,520

college in

144

00:06:19,510 --> 00:06:17,600

in 1986 and i was going to class and it

145

00:06:22,390 --> 00:06:19,520

was lunch time and i typically would

146

00:06:25,430 --> 00:06:22,400

watch the space shuttle launches and i

147

00:06:27,670 --> 00:06:25,440

um you know saw what happened and you

148

00:06:29,510 --> 00:06:27,680

know immediately

149

00:06:31,430 --> 00:06:29,520

um you know pretty

150

00:06:34,950 --> 00:06:31,440

much knew that it was a you know

151

00:06:37,350 --> 00:06:34,960

catastrophic accident and

152

00:06:39,510 --> 00:06:37,360

i didn't know the crew members uh of

153

00:06:41,510 --> 00:06:39,520

challenger obviously because i was in

154

00:06:44,710 --> 00:06:41,520

college at the time but uh

155

00:06:47,430 --> 00:06:44,720

it was quite a you know a moving um an

156

00:06:50,469 --> 00:06:47,440

emotional experience uh

157

00:06:53,270 --> 00:06:50,479

you know for me as growing up astronauts

158

00:06:54,790 --> 00:06:53,280

were were my heroes and uh

159

00:06:56,550 --> 00:06:54,800

it was um

160

00:06:58,629 --> 00:06:56,560

you know tough to see them

161

00:06:59,350 --> 00:06:58,639

lost like that on

162

00:07:03,270 --> 00:06:59,360

on

163

00:07:05,909 --> 00:07:03,280

and uh

164

00:07:07,670 --> 00:07:05,919

i feel uh you know honored and

165

00:07:09,510 --> 00:07:07,680

privileged to

166

00:07:10,390 --> 00:07:09,520

you know follow in their footsteps and i

167

00:07:14,230 --> 00:07:10,400

think

168

00:07:17,510 --> 00:07:14,240

that uh you know what we do in space now

169

00:07:19,589 --> 00:07:17,520

is uh you know fulfilling their their

170

00:07:20,710 --> 00:07:19,599

dream and carrying on their legacy and i

171

00:07:22,309 --> 00:07:20,720

think uh

172

00:07:24,150 --> 00:07:22,319

you know we need to just keep pushing

173

00:07:25,830 --> 00:07:24,160

ahead and then you know trying to

174

00:07:26,950 --> 00:07:25,840

achieve great things

175

00:07:28,950 --> 00:07:26,960

and

176
00:07:32,390 --> 00:07:28,960
you know on days like today think back

177
00:07:34,469 --> 00:07:32,400
to to what they sacrificed

178
00:07:35,589 --> 00:07:34,479
kim a few years ago

179
00:07:38,070 --> 00:07:35,599
we spoke

180
00:07:40,230 --> 00:07:38,080
and you weren't sure whether at the end

181
00:07:42,710 --> 00:07:40,240
of the space shuttle program you would

182
00:07:49,670 --> 00:07:42,720
stick with the program what made you

183
00:07:53,430 --> 00:07:51,350
you know i think all of us that have

184
00:07:55,189 --> 00:07:53,440
experienced spaceflight or even

185
00:07:56,950 --> 00:07:55,199
those that are in the astronaut core

186
00:07:59,589 --> 00:07:56,960
that are looking forward to that have a

187
00:08:01,110 --> 00:07:59,599
true passion for this kind of work

188
00:08:03,510 --> 00:08:01,120

and uh

189

00:08:05,270 --> 00:08:03,520

both the passion for the the type of

190

00:08:08,390 --> 00:08:05,280

work we do but the people that we work

191

00:08:10,390 --> 00:08:08,400

with is one that is really hard to to

192

00:08:12,790 --> 00:08:10,400

replace or to uh

193

00:08:16,309 --> 00:08:12,800

to to duplicate and so

194

00:08:18,230 --> 00:08:16,319

you know having flown once and then uh

195

00:08:19,189 --> 00:08:18,240

having a delay in order to get back to

196

00:08:21,029 --> 00:08:19,199

flight

197

00:08:23,830 --> 00:08:21,039

you know to me i think probably the main

198

00:08:26,070 --> 00:08:23,840

reason i decided to to try for another

199

00:08:27,749 --> 00:08:26,080

flight was just the fact that i love the

200

00:08:29,189 --> 00:08:27,759

people that i work with

201

00:08:31,830 --> 00:08:29,199

i love the mission

202

00:08:35,670 --> 00:08:31,840

and i think it's very very important

203

00:08:38,310 --> 00:08:35,680

both nationally and internationally

204

00:08:41,589 --> 00:08:38,320

on earth there's competitions between

205

00:08:44,070 --> 00:08:41,599

nations in the arctic in the south china

206

00:08:46,710 --> 00:08:44,080

sea throughout the globe

207

00:08:49,190 --> 00:08:46,720

what makes space so different that there

208

00:08:52,230 --> 00:08:49,200

is this spirit of cooperation

209

00:08:57,829 --> 00:08:52,240

between nations in technology and in

210

00:09:02,310 --> 00:08:59,430

well i think it's uh you know a few

211

00:09:03,269 --> 00:09:02,320

things um you know it's a common ground

212

00:09:09,509 --> 00:09:03,279

that

213

00:09:11,430 --> 00:09:09,519

you know one aspect of it whereas on

214

00:09:14,230 --> 00:09:11,440

earth you know

215

00:09:16,949 --> 00:09:14,240

people you know stick a flag in the in

216

00:09:19,350 --> 00:09:16,959

the dirt sometimes and say it's theirs

217

00:09:21,350 --> 00:09:19,360

and try to uh

218

00:09:23,269 --> 00:09:21,360

and and do and rightfully so i guess in

219

00:09:25,910 --> 00:09:23,279

some cases you know you defend your

220

00:09:28,150 --> 00:09:25,920

territory and protect uh your interests

221

00:09:30,230 --> 00:09:28,160

but but here it's uh

222

00:09:31,910 --> 00:09:30,240

you know been well established and it's

223

00:09:34,150 --> 00:09:31,920

uh you know

224

00:09:38,310 --> 00:09:34,160

an international agreement that this is

225

00:09:39,269 --> 00:09:38,320

this is a a place for the common

226

00:09:44,310 --> 00:09:39,279

uh

227

00:09:45,110 --> 00:09:44,320

complicated and it's expensive

228

00:09:48,710 --> 00:09:45,120

and

229

00:09:51,350 --> 00:09:48,720

international cooperation not only uh

230

00:09:54,870 --> 00:09:51,360

you know helps in in in those two areas

231

00:09:56,790 --> 00:09:54,880

but it also uh provides redundancy

232

00:09:58,550 --> 00:09:56,800

uh redundancy in systems the space

233

00:10:01,509 --> 00:09:58,560

station has a lot of uh

234

00:10:03,509 --> 00:10:01,519

redundancy because you know very

235

00:10:04,790 --> 00:10:03,519

the majority of it was made in either

236

00:10:09,030 --> 00:10:04,800

the

237

00:10:10,470 --> 00:10:09,040

or russia in russia you know we have

238

00:10:12,550 --> 00:10:10,480

different ways of scrubbing carbon

239

00:10:14,069 --> 00:10:12,560

dioxide and producing oxygen we have

240

00:10:16,550 --> 00:10:14,079

different ways of supplying the space

241

00:10:18,310 --> 00:10:16,560

station with redundant systems and it's

242

00:10:20,150 --> 00:10:18,320

you know critical that all that that

243

00:10:23,190 --> 00:10:20,160

stuff works and if something breaks it's

244

00:10:24,790 --> 00:10:23,200

great to have a backup and um

245

00:10:27,110 --> 00:10:24,800

you know i think that's one of been one

246

00:10:28,790 --> 00:10:27,120

of the uh the great parts about the

247

00:10:29,829 --> 00:10:28,800

space station program is that we're

248

00:10:32,550 --> 00:10:29,839

working on something that's very

249

00:10:34,870 --> 00:10:32,560

important it's very uh difficult and

250

00:10:37,990 --> 00:10:34,880

challenging and and we're doing it in a

251
00:10:40,230 --> 00:10:38,000
international way that shows that we can

252
00:10:43,750 --> 00:10:40,240
you know cooperate even when at times we

253
00:10:45,910 --> 00:10:43,760
may have our differences on earth

254
00:10:48,790 --> 00:10:45,920
well i want to thank you gentlemen both

255
00:10:50,710 --> 00:10:48,800
for joining us one last thought

256
00:10:58,150 --> 00:10:50,720
are you two going to be staying with the

257
00:11:02,949 --> 00:10:59,750
so

258
00:11:05,430 --> 00:11:02,959
i'm at uh 10 remaining on this year in

259
00:11:07,190 --> 00:11:05,440
space and uh to me

260
00:11:08,550 --> 00:11:07,200
uh that seems like i still have a long

261
00:11:09,990 --> 00:11:08,560
ways to go

262
00:11:12,470 --> 00:11:10,000
and uh

263
00:11:14,069 --> 00:11:12,480

so i haven't really given it uh

264

00:11:15,750 --> 00:11:14,079

an incredible amount of thought

265

00:11:18,230 --> 00:11:15,760

certainly uh i have given it some

266

00:11:20,790 --> 00:11:18,240

thought but not um

267

00:11:22,389 --> 00:11:20,800

you know not what i would be uh i guess

268

00:11:24,710 --> 00:11:22,399

willing to share

269

00:11:28,790 --> 00:11:24,720

with you today but appreciate the

270

00:11:33,269 --> 00:11:31,030

i guess uh all i can add to that is that

271

00:11:35,350 --> 00:11:33,279

my horizon right now is about uh four

272

00:11:37,750 --> 00:11:35,360

and a half months we have a ton of work

273

00:11:40,550 --> 00:11:37,760

to do here between now and the fifth of

274

00:11:42,710 --> 00:11:40,560

june when we come back home and so uh

275

00:11:44,710 --> 00:11:42,720

i think we'll focus on the immediate

276

00:11:47,829 --> 00:11:44,720

future and look what happens after that

277

00:11:47,839 --> 00:11:53,910

and have a very safe trip home

278

00:11:56,389 --> 00:11:54,829

thank you so

279

00:11:57,990 --> 00:11:56,399

much

280

00:12:01,190 --> 00:11:58,000

station this is houston acr that

281

00:12:03,190 --> 00:12:01,200

concludes the military times interview

282

00:12:04,949 --> 00:12:03,200

thank you military times station please