



1  
00:00:15,679 --> 00:00:20,870  
i see that you're in a very good mood

2  
00:00:25,509 --> 00:00:21,830  
and

3  
00:00:28,710 --> 00:00:27,429  
we had some difficulties with closing

4  
00:00:32,310 --> 00:00:28,720  
the hatch

5  
00:00:32,320 --> 00:00:55,270  
thank you

6  
00:00:55,280 --> 00:01:14,149  
hey

7  
00:01:14,159 --> 00:01:17,270  
you

8  
00:01:17,280 --> 00:01:34,310  
know

9  
00:02:02,870 --> 00:01:36,630  
did you take a look at your vehicle

10  
00:02:09,029 --> 00:02:05,190  
yes it's a very nice toy i have one on

11  
00:02:15,270 --> 00:02:09,039  
the iss as well

12  
00:02:15,280 --> 00:02:31,589  
why it's your people stay there

13  
00:02:34,790 --> 00:02:32,949

good luck and

14

00:02:36,790 --> 00:02:34,800

to thank you for this wonderful vehicle

15

00:02:38,470 --> 00:02:36,800

that you had built we hope that it's

16

00:02:40,070 --> 00:02:38,480

going to perform

17

00:02:45,110 --> 00:02:40,080

yeah that was designed to perform thank

18

00:02:45,120 --> 00:02:47,670

thank you

19

00:02:53,190 --> 00:02:50,630

i am sure that this vehicle will bring

20

00:02:54,790 --> 00:02:53,200

you luck it will provide for all the

21

00:02:58,390 --> 00:02:54,800

necessary safety

22

00:02:59,910 --> 00:02:58,400

and will bring you to the iss

23

00:03:11,990 --> 00:02:59,920

but the main thing i would like to wish

24

00:03:16,949 --> 00:03:13,350

we

25

00:03:18,550 --> 00:03:16,959

have no

26

00:03:19,830 --> 00:03:18,560

negative comments everything looks

27

00:03:21,430 --> 00:03:19,840

prepared and

28

00:03:23,110 --> 00:03:21,440

ready to go

29

00:03:25,190 --> 00:03:23,120

we would like to thank all the

30

00:04:04,149 --> 00:03:25,200

specialists that work on preparing the

31

00:04:04,159 --> 00:04:26,790

so

32

00:04:26,800 --> 00:04:51,510

it's

33

00:04:51,520 --> 00:05:06,469

foreign

34

00:05:36,230 --> 00:05:11,909

um

35

00:05:36,240 --> 00:05:49,990

excuse me when you

36

00:05:50,000 --> 00:05:56,309

thank you

37

00:05:59,990 --> 00:05:58,629

i feel very lucky to be a part of this

38

00:06:04,629 --> 00:06:00,000

tradition

39  
00:06:06,710 --> 00:06:04,639  
everyone who signs here has a commentary

40  
00:06:09,350 --> 00:06:06,720  
and i'm very excited about going to

41  
00:06:10,550 --> 00:06:09,360  
station to see what i can do to make our

42  
00:06:31,749 --> 00:06:10,560  
dream

43  
00:06:31,759 --> 00:06:56,870  
the balls

44  
00:07:28,950 --> 00:06:58,629  
he doesn't know how to write yet so

45  
00:07:28,960 --> 00:07:57,270  
all right

46  
00:07:57,280 --> 00:08:14,710  
this

47  
00:08:14,720 --> 00:08:29,110  
so

48  
00:08:29,120 --> 00:08:41,990  
ah

49  
00:08:42,000 --> 00:09:17,350  
wow

50  
00:09:17,360 --> 00:09:25,350  
sure

51  
00:09:25,360 --> 00:10:15,990  
okay

52  
00:10:32,630 --> 00:10:18,710  
you should be

53  
00:10:32,640 --> 00:10:58,150  
um

54  
00:10:58,160 --> 00:11:13,110  
is

55  
00:12:27,190 --> 00:11:14,190  
at all

56  
00:13:19,670 --> 00:12:41,910  
so

57  
00:13:19,680 --> 00:13:34,470  
yes

58  
00:13:34,480 --> 00:14:07,430  
uh

59  
00:14:44,150 --> 00:14:21,910  
so

60  
00:14:44,160 --> 00:15:10,470  
uh

61  
00:15:39,430 --> 00:15:12,389  
i see

62  
00:15:39,440 --> 00:16:27,990  
is

63  
00:16:28,000 --> 00:16:42,230

what's up

64

00:18:14,710 --> 00:17:52,710

so

65

00:18:14,720 --> 00:18:35,590

what happened

66

00:18:41,430 --> 00:18:38,230

peggy whitson nasa chief astronaut peggy

67

00:18:43,990 --> 00:18:41,440

the tma20 about to be hoisted on the pad

68

00:18:45,750 --> 00:18:44,000

multinational crew ready to launch how

69

00:18:47,830 --> 00:18:45,760

is katie doing what is her level of

70

00:18:50,230 --> 00:18:47,840

readiness for a complex mission

71

00:18:51,909 --> 00:18:50,240

katie is very excited about going

72

00:18:54,549 --> 00:18:51,919

they got to say

73

00:18:56,230 --> 00:18:54,559

their goodbyes to their family yesterday

74

00:18:58,310 --> 00:18:56,240

and actually i think they'll get to see

75

00:18:59,669 --> 00:18:58,320

them once again today but they're all

76

00:19:01,750 --> 00:18:59,679

prepared to go

77

00:19:03,510 --> 00:19:01,760

this is uh going to be an incredibly

78

00:19:05,270 --> 00:19:03,520

complex increment

79

00:19:07,029 --> 00:19:05,280

multiple vehicles you almost need a

80

00:19:09,029 --> 00:19:07,039

traffic cop at the international space

81

00:19:11,190 --> 00:19:09,039

station how is it going to be for five

82

00:19:12,870 --> 00:19:11,200

months for she and paolo and dimitri

83

00:19:14,549 --> 00:19:12,880

well it's going to be a very busy time

84

00:19:16,870 --> 00:19:14,559

for all of them they'll be joining the

85

00:19:18,630 --> 00:19:16,880

crew of three up there already

86

00:19:20,390 --> 00:19:18,640

but it's going to be i think a very

87

00:19:22,390 --> 00:19:20,400

exciting time because there are so many

88

00:19:25,190 --> 00:19:22,400

vehicles with the european automated

89

00:19:27,750 --> 00:19:25,200

transfer vehicle the japanese htv two

90

00:19:29,510 --> 00:19:27,760

progresses a couple of shuttles we hope

91

00:19:31,029 --> 00:19:29,520

and it'll keep them entertained very

92

00:19:33,669 --> 00:19:31,039

much so

93

00:19:35,110 --> 00:19:33,679

the uh launch pad we are just a few

94

00:19:37,909 --> 00:19:35,120

months away from

95

00:19:40,070 --> 00:19:37,919

50 and 50 years since yuri gagarin

96

00:19:41,830 --> 00:19:40,080

launched from this pad uh you've been

97

00:19:43,750 --> 00:19:41,840

here multiple times and we were just

98

00:19:45,830 --> 00:19:43,760

here a couple of months ago but

99

00:19:48,230 --> 00:19:45,840

your sense of history as you watch the

100

00:19:50,950 --> 00:19:48,240

soyuz being hoisted vertically

101  
00:19:54,070 --> 00:19:50,960  
well it's really special i think to be a

102  
00:19:56,070 --> 00:19:54,080  
part of a launch here because the the

103  
00:19:59,190 --> 00:19:56,080  
first human in space launched from this

104  
00:20:02,470 --> 00:19:59,200  
pad and so i think that's a very special

105  
00:20:05,110 --> 00:20:02,480  
aspect of launching from here for at

106  
00:20:07,110 --> 00:20:05,120  
least it was for me anyway

107  
00:20:24,070 --> 00:20:07,120  
so i'm sure that everyone understands

108  
00:20:28,310 --> 00:20:26,549  
mike lopez alegria assistant to the

109  
00:20:30,870 --> 00:20:28,320  
director of flight crew operations for

110  
00:20:33,350 --> 00:20:30,880  
international space station mike

111  
00:20:35,510 --> 00:20:33,360  
i know the soyuz ready for launch in a

112  
00:20:36,870 --> 00:20:35,520  
couple of days here in baikonur

113  
00:20:38,950 --> 00:20:36,880

um

114

00:20:41,350 --> 00:20:38,960

you've met with katie and paolo and

115

00:20:43,190 --> 00:20:41,360

dimitri how is their level of readiness

116

00:20:44,950 --> 00:20:43,200

how is katie doing as she prepares to

117

00:20:46,710 --> 00:20:44,960

fly in the soil

118

00:20:49,190 --> 00:20:46,720

everyone's great they can't wait i'm

119

00:20:51,029 --> 00:20:49,200

sure they're uh they got a couple more

120

00:20:53,430 --> 00:20:51,039

days of formal things to do press

121

00:20:55,430 --> 00:20:53,440

conference the state commission etc a

122

00:20:57,590 --> 00:20:55,440

couple visits with their families uh but

123

00:20:59,590 --> 00:20:57,600

i'm sure they're chomping at the bit

124

00:21:03,990 --> 00:20:59,600

you flew with katie coleman a little

125

00:21:05,750 --> 00:21:04,000

over 15 years ago on the sts-73 mission

126

00:21:07,909 --> 00:21:05,760

what does katie bring to the table and

127

00:21:08,710 --> 00:21:07,919

what's shaping up to be a very complex

128

00:21:11,270 --> 00:21:08,720

input

129

00:21:13,110 --> 00:21:11,280

profile kay is a scientist by training

130

00:21:15,110 --> 00:21:13,120

but she has some operational background

131

00:21:17,669 --> 00:21:15,120

as a member of the air force so she's a

132

00:21:19,270 --> 00:21:17,679

little bit of a jack of all trades

133

00:21:21,750 --> 00:21:19,280

i think for this crew she'll be an

134

00:21:24,470 --> 00:21:21,760

interesting balance between um

135

00:21:26,470 --> 00:21:24,480

dima her commander and also scott kelly

136

00:21:27,909 --> 00:21:26,480

who will be the station commander when

137

00:21:29,750 --> 00:21:27,919

they get on board

138

00:21:32,789 --> 00:21:29,760

and the rest of the crew so i i think

139

00:21:35,990 --> 00:21:32,799

it's a very well-rounded well um spread

140

00:21:37,029 --> 00:21:36,000

out in terms of talent and personality

141

00:21:38,789 --> 00:21:37,039

crew

142

00:21:39,510 --> 00:21:38,799

the shuttle launch schedule still has to

143

00:21:41,190 --> 00:21:39,520

be

144

00:21:43,430 --> 00:21:41,200

firmed up pending testing on the

145

00:21:45,990 --> 00:21:43,440

external fuel tanks

146

00:21:47,669 --> 00:21:46,000

but it's shaping up to be a rapid fire

147

00:21:49,830 --> 00:21:47,679

succession of vehicles to the space

148

00:21:51,190 --> 00:21:49,840

station over the next three months or so

149

00:21:53,350 --> 00:21:51,200

your thoughts on that

150

00:21:55,669 --> 00:21:53,360

well it's interesting that

151

00:21:57,830 --> 00:21:55,679

the vehicle traffic model is is fast

152

00:21:59,430 --> 00:21:57,840

becoming the most complex issue that we

153

00:22:02,470 --> 00:21:59,440

have to work so

154

00:22:04,070 --> 00:22:02,480

not only does a technical aspect and the

155

00:22:05,669 --> 00:22:04,080

weather have to cooperate but now we've

156

00:22:08,230 --> 00:22:05,679

got to fit those

157

00:22:11,029 --> 00:22:08,240

events into certain slots based on all

158

00:22:12,549 --> 00:22:11,039

the htv the atv pretty soon will be the

159

00:22:15,190 --> 00:22:12,559

commercial

160

00:22:17,190 --> 00:22:15,200

cargo supply ship so it's going to be a

161

00:22:35,110 --> 00:22:17,200

real juggling act over the next well i

162

00:22:39,830 --> 00:22:37,430

kirk streierman the iss deputy program

163

00:22:41,110 --> 00:22:39,840

manager kirk back here at the vancouver

164

00:22:43,990 --> 00:22:41,120

cosmodrome

165

00:22:46,070 --> 00:22:44,000

tma-20 on the launch pad ready to go

166

00:22:48,870 --> 00:22:46,080

uh your thoughts as you saw the vehicle

167

00:22:50,470 --> 00:22:48,880

uh being hoisted vertically and uh

168

00:22:52,470 --> 00:22:50,480

in the early morning and freezing

169

00:22:54,630 --> 00:22:52,480

temperatures here uh

170

00:22:55,909 --> 00:22:54,640

how did it go for you it was wonderful

171

00:22:57,669 --> 00:22:55,919

it was a little chilly this morning and

172

00:23:00,149 --> 00:22:57,679

of course the sun this time of year

173

00:23:01,990 --> 00:23:00,159

doesn't come up till late but uh it is a

174

00:23:03,669 --> 00:23:02,000

beautiful sunrise it's great to see the

175

00:23:05,590 --> 00:23:03,679

rocket and uh

176  
00:23:07,110 --> 00:23:05,600  
and it'll be a great expedition so we're

177  
00:23:09,110 --> 00:23:07,120  
really looking forward to these guys

178  
00:23:10,470 --> 00:23:09,120  
going up in space and and working in a

179  
00:23:12,549 --> 00:23:10,480  
busy expedition

180  
00:23:13,669 --> 00:23:12,559  
you go back to a six-person crew later

181  
00:23:15,909 --> 00:23:13,679  
this week

182  
00:23:18,230 --> 00:23:15,919  
but this increment is shaping up to be

183  
00:23:19,990 --> 00:23:18,240  
one vehicle after another after another

184  
00:23:21,909 --> 00:23:20,000  
after another almost rapid fire

185  
00:23:24,710 --> 00:23:21,919  
succession how complicated will

186  
00:23:26,470 --> 00:23:24,720  
expedition 2627 be well the yeah the

187  
00:23:27,750 --> 00:23:26,480  
real complication of this expedition is

188  
00:23:30,149 --> 00:23:27,760

going to be all that like you say all

189

00:23:32,070 --> 00:23:30,159

the vehicle traffic and the choreography

190

00:23:35,270 --> 00:23:32,080

choreography between the uh

191

00:23:37,510 --> 00:23:35,280

the japanese htv the european atv uh

192

00:23:39,029 --> 00:23:37,520

russian progress vehicles and and of

193

00:23:41,510 --> 00:23:39,039

course the the shuttle flights will be

194

00:23:43,350 --> 00:23:41,520

coming up in february and april so uh

195

00:23:44,950 --> 00:23:43,360

it's really going to be a quite a

196

00:23:47,269 --> 00:23:44,960

choreography plus there's two russian

197

00:23:49,190 --> 00:23:47,279

evas so making sure the vehicles are all

198

00:23:52,710 --> 00:23:49,200

spaced right that there's time for the

199

00:23:54,310 --> 00:23:52,720

crew to offload one vehicle uh and and

200

00:23:56,390 --> 00:23:54,320

and then prepare for a departure of

201

00:23:57,990 --> 00:23:56,400

those vehicles it's going to be quite

202

00:24:00,230 --> 00:23:58,000

quite complicated but these guys are

203

00:24:02,470 --> 00:24:00,240

ready to go and our ground teams who are

204

00:24:03,590 --> 00:24:02,480

preparing all the plans are ready to go

205

00:24:05,510 --> 00:24:03,600

so i believe we'll have a very

206

00:24:07,669 --> 00:24:05,520

successful expedition the word

207

00:24:09,269 --> 00:24:07,679

international really comes into play for

208

00:24:11,430 --> 00:24:09,279

the international space station over the

209

00:24:14,070 --> 00:24:11,440

next few months

210

00:24:15,269 --> 00:24:14,080

in this second decade of permanent human

211

00:24:17,029 --> 00:24:15,279

occupancy

212

00:24:18,870 --> 00:24:17,039

how has it all come together so it's

213

00:24:20,310 --> 00:24:18,880

it's been great and like you said uh

214

00:24:22,149 --> 00:24:20,320

it's it's wonderful to have all the

215

00:24:24,230 --> 00:24:22,159

cooperation between the various

216

00:24:26,230 --> 00:24:24,240

countries and there's nothing like like

217

00:24:28,310 --> 00:24:26,240

this expedition that shows it with uh

218

00:24:30,149 --> 00:24:28,320

like i said the japanese and european

219

00:24:32,470 --> 00:24:30,159

vehicles together with russian vehicles

220

00:24:34,870 --> 00:24:32,480

and us vehicles all cutting up in this

221

00:24:36,789 --> 00:24:34,880

short time frame so a great partnership

222

00:24:39,029 --> 00:24:36,799

a great teamwork and we'll get to see it

223

00:24:41,029 --> 00:24:39,039

unfold over the next six months

224

00:24:43,510 --> 00:24:41,039

can't get away without thinking just

225

00:24:45,590 --> 00:24:43,520

four months shy now the 50th anniversary

226

00:24:47,430 --> 00:24:45,600

of the launch of yuri gagarin

227

00:24:49,590 --> 00:24:47,440

from the same launch pad

228

00:24:52,230 --> 00:24:49,600

always an impressive thought it is it's

229

00:24:53,909 --> 00:24:52,240

amazing and and the operation here is

230

00:24:55,510 --> 00:24:53,919

truly fascinating every time i come and

231

00:24:57,110 --> 00:24:55,520

watch the fact that they bring this

232

00:24:58,630 --> 00:24:57,120

rocket out horizontal in just a few

233

00:25:00,070 --> 00:24:58,640

minutes it's vertical

234

00:25:01,430 --> 00:25:00,080

and that's only a couple of days before

235

00:25:03,750 --> 00:25:01,440

they actually launched into space so

236

00:25:05,430 --> 00:25:03,760

it's a fantastic operation these guys

237

00:25:08,070 --> 00:25:05,440

have been doing it for for many many

238

00:25:09,269 --> 00:25:08,080

years and uh and successfully and we

239

00:25:11,110 --> 00:25:09,279

look forward to

240

00:25:29,430 --> 00:25:11,120

continue to work with them and many more

241

00:25:34,789 --> 00:25:32,230

josh simpson katie coleman's husband

242

00:25:36,470 --> 00:25:34,799

josh katie's ticket to ride behind you

243

00:25:38,870 --> 00:25:36,480

here on the launch pad at the baikonur

244

00:25:40,950 --> 00:25:38,880

cosmodrome your thoughts as you saw this

245

00:25:43,269 --> 00:25:40,960

whole process of the vehicle rolling out

246

00:25:45,990 --> 00:25:43,279

being erected vertically

247

00:25:48,630 --> 00:25:46,000

amazing for you just a whole cast

248

00:25:52,870 --> 00:25:48,640

cascade of thoughts really um that this

249

00:25:55,430 --> 00:25:52,880

is for katie the culmination of a dream

250

00:25:58,310 --> 00:25:55,440

a lifetime of preparation

251  
00:26:00,470 --> 00:25:58,320  
and actually three years of intense

252  
00:26:03,110 --> 00:26:00,480  
preparation now

253  
00:26:05,830 --> 00:26:03,120  
i actually thought as the train went by

254  
00:26:09,269 --> 00:26:05,840  
earlier today of how her meeting with

255  
00:26:10,950 --> 00:26:09,279  
sally ride years ago

256  
00:26:13,590 --> 00:26:10,960  
got her interested in the space program

257  
00:26:16,310 --> 00:26:13,600  
to begin with and how only last week she

258  
00:26:20,070 --> 00:26:16,320  
got to meet with valentina taraskova

259  
00:26:23,350 --> 00:26:20,080  
and and how what a history

260  
00:26:25,350 --> 00:26:23,360  
50 years of space flight and and she's

261  
00:26:26,470 --> 00:26:25,360  
about to ride this rocket it's just

262  
00:26:28,390 --> 00:26:26,480  
amazing

263  
00:26:30,470 --> 00:26:28,400

same launch pad from which you're going

264

00:26:32,950 --> 00:26:30,480

to launched almost 50 years ago just

265

00:26:35,029 --> 00:26:32,960

four months shy of that anniversary

266

00:26:36,470 --> 00:26:35,039

well how struck are you by the history

267

00:26:38,870 --> 00:26:36,480

of this place

268

00:26:40,310 --> 00:26:38,880

well it's amazing because uh of course

269

00:26:41,669 --> 00:26:40,320

kennedy space center is the same way

270

00:26:43,430 --> 00:26:41,679

there's a great deal of history there

271

00:26:45,269 --> 00:26:43,440

there are many launch pads but that this

272

00:26:47,830 --> 00:26:45,279

is the spot

273

00:26:49,510 --> 00:26:47,840

where yuri gagarin left from and where

274

00:26:52,310 --> 00:26:49,520

sputnik left from

275

00:26:55,909 --> 00:26:52,320

and where my sweetheart is going to go

276

00:26:59,750 --> 00:26:55,919

as it's very significant it's uh it's

277

00:27:01,750 --> 00:26:59,760

and as i said it's it's utterly um

278

00:27:04,070 --> 00:27:01,760

it's been katie's goal to do a long

279

00:27:06,230 --> 00:27:04,080

duration mission for years

280

00:27:09,510 --> 00:27:06,240

and i'm just so pleased for her i'm so

281

00:27:11,350 --> 00:27:09,520

happy we'll miss her uh my uh my two

282

00:27:12,789 --> 00:27:11,360

sons and i uh

283

00:27:14,950 --> 00:27:12,799

will miss her but

284

00:27:17,190 --> 00:27:14,960

uh we're actually looking forward to her

285

00:27:18,870 --> 00:27:17,200

giving us random phone calls and and

286

00:27:21,269 --> 00:27:18,880

seeing her on

287

00:27:23,190 --> 00:27:21,279

on skype every now and then and how

288

00:27:24,549 --> 00:27:23,200

ready is she for all this you know i

289

00:27:26,389 --> 00:27:24,559

think she's uh

290

00:27:27,909 --> 00:27:26,399

she's really in the last

291

00:27:29,590 --> 00:27:27,919

i mean there's so many details there's

292

00:27:31,750 --> 00:27:29,600

so many things that you have to figure

293

00:27:33,510 --> 00:27:31,760

out and make sure that you've got right

294

00:27:36,230 --> 00:27:33,520

along with

295

00:27:38,630 --> 00:27:36,240

years of training and i i think she's

296

00:27:40,710 --> 00:27:38,640

ready although knowing my wife she'll be