



30 ТИР
АВТ
Р
СО.

ДСК
12
 ωX 0,000
 ωY -0,026
 ωZ -0,077
РАЗБОРОТ

КУРС

γ 00,00
 η 00,00
 θ 00,00
 ρ 00,000
 ρ 000,00
 ΩZ 0,000
 ΩY 0,000

ρ 00,00
 ρ 000,00
А НЕТ

ИЖ ЗАПРЕТ ИКВ

1
00:00:05,269 --> 00:00:03,510
well guys it's hard to believe it's time

2
00:00:07,190 --> 00:00:05,279
it's time you've been up here almost six

3
00:00:09,509 --> 00:00:07,200
months you've we've learned everything

4
00:00:12,230 --> 00:00:09,519
from you we could possibly learn

5
00:00:14,470 --> 00:00:12,240
and uh and now it's time to say goodbye

6
00:00:17,269 --> 00:00:14,480
it uh we don't want to see you go we we

7
00:00:18,950 --> 00:00:17,279
like the company we love the friendship

8
00:00:19,670 --> 00:00:18,960
and like we said the other night you

9
00:00:21,429 --> 00:00:19,680
know

10
00:00:23,429 --> 00:00:21,439
we're like brothers and we've lived

11
00:00:25,830 --> 00:00:23,439
together closer than

12
00:00:28,470 --> 00:00:25,840
families

13
00:00:31,269 --> 00:00:28,480

in many ways so thank you very much and

14

00:00:33,030 --> 00:00:31,279

we wish you you know all the best in the

15

00:00:35,430 --> 00:00:33,040

hours ahead

16

00:01:34,390 --> 00:00:35,440

and soft landing and we cannot wait to

17

00:01:34,400 --> 00:02:07,429

okay

18

00:02:07,439 --> 00:02:13,430

bye-bye

19

00:02:27,430 --> 00:02:14,710

okay

20

00:02:27,440 --> 00:02:49,030

gonna take a while

21

00:02:52,390 --> 00:02:49,750

to

22

00:02:54,790 --> 00:02:52,400

the leak check for the transfer hatches

23

00:02:57,750 --> 00:02:54,800

and departure farewells here in the lab

24

00:03:00,149 --> 00:02:57,760

that that take came down successfully

25

00:03:04,949 --> 00:03:00,159

yes it did and we really appreciated it

26
00:03:09,910 --> 00:03:07,350
okay great we'll uh we'll put that tape

27
00:04:34,710 --> 00:03:09,920
in the reuse bag then

28
00:04:39,830 --> 00:04:36,310
again you're looking at video that was

29
00:04:42,790 --> 00:04:39,840
uh recorded just a few minutes ago by

30
00:04:44,390 --> 00:04:42,800
sergey volkov who remains on board the

31
00:04:47,110 --> 00:04:44,400
international space station with mike

32
00:04:49,830 --> 00:04:47,120
fossum and satoshi furukawa

33
00:04:51,670 --> 00:04:49,840
as uh samokutyaev the soyuz commander on

34
00:04:54,070 --> 00:04:51,680
the right ron garan in the middle

35
00:04:56,230 --> 00:04:54,080
bodacinka on the left

36
00:04:57,990 --> 00:04:56,240
one final opportunity to say goodbye to

37
00:05:00,710 --> 00:04:58,000
their colleagues

38
00:05:01,830 --> 00:05:00,720

before the hatches were closed at 4 30

39

00:05:05,189 --> 00:05:01,840

p.m

40

00:05:08,150 --> 00:05:05,199

central time about 10 minutes ago

41

00:05:11,189 --> 00:05:08,160

in the first step leading uh to the

42

00:05:13,749 --> 00:05:11,199

undocking of the soyuz that'll will take

43

00:05:16,950 --> 00:05:13,759

place just under three hours from now

44

00:05:19,749 --> 00:05:16,960

at 7 38 pm central time samokutyaev

45

00:05:21,110 --> 00:05:19,759

they're wiping down the outer ring

46

00:05:23,670 --> 00:05:21,120

to the hatch

47

00:05:24,629 --> 00:05:23,680

between the soyuz spacecraft and the

48

00:05:27,749 --> 00:05:24,639

poisk

49

00:05:30,310 --> 00:05:27,759

module to make sure no

50

00:05:31,990 --> 00:05:30,320

particles of debris are present that

51
00:05:34,150 --> 00:05:32,000
could interfere

52
00:05:35,749 --> 00:05:34,160
with a clean undocking of the soyuz

53
00:05:39,189 --> 00:05:35,759
spacecraft

54
00:05:41,189 --> 00:05:39,199
the abnormal situations book is prepared

55
00:05:43,430 --> 00:05:41,199
okay

56
00:05:45,909 --> 00:05:43,440
let's uh go ahead and start then and

57
00:05:48,390 --> 00:05:45,919
continue talking to us please

58
00:05:50,310 --> 00:05:48,400
okay big cover there is in the close

59
00:06:08,070 --> 00:05:50,320
position

60
00:06:08,080 --> 00:06:25,189
translating to the star

61
00:06:25,199 --> 00:06:36,629
so

62
00:06:36,639 --> 00:06:59,029
hatch

63
00:06:59,039 --> 00:07:06,390

open indicator is off

64

00:07:19,589 --> 00:07:07,909

look that

65

00:07:25,830 --> 00:07:22,070

andre please write down the bow pressure

66

00:07:30,790 --> 00:07:25,840

8 46 millimeters mcc moscow the sr ball

67

00:07:35,110 --> 00:07:32,710

and with a final wave

68

00:07:38,710 --> 00:07:35,120

the hatch was closed again at 4 30 pm

69

00:07:38,720 --> 00:07:54,710

s2 indicator f4 is not eliminated

70

00:08:02,230 --> 00:07:57,430

undocking confirmed at 7 38 pm central

71

00:08:10,830 --> 00:08:04,629

and um

72

00:08:24,830 --> 00:08:13,189

bracket undocking occurring over

73

00:08:28,869 --> 00:08:27,270

time space station you look great

74

00:08:31,589 --> 00:08:28,879

backing away guys

75

00:08:33,990 --> 00:08:31,599

it's been great sharing space with you

76
00:08:35,829 --> 00:08:34,000
safe journey and soft landing my friends

77
00:08:52,710 --> 00:08:35,839
got speed from the international space

78
00:08:52,720 --> 00:09:18,230
foreign

79
00:09:22,710 --> 00:09:20,710
final farewell words from

80
00:09:25,110 --> 00:09:22,720
space station commander mike fossum

81
00:09:29,269 --> 00:09:25,120
wishing uh the crew on board the soyuz

82
00:09:32,150 --> 00:09:29,279
tma-21 a soft landing in godspeed

83
00:09:34,870 --> 00:09:32,160
yes that's the ground

84
00:09:38,630 --> 00:09:36,870
one minute away from a separation burn

85
00:09:40,790 --> 00:09:38,640
that will be initiated by soyuz

86
00:09:42,070 --> 00:09:40,800
commander alexander samokutyaev to

87
00:10:04,870 --> 00:09:42,080
increase the opening rate from the

88
00:10:08,310 --> 00:10:06,550

looking right down the barrel of the

89

00:10:10,630 --> 00:10:08,320

poisk module

90

00:10:13,590 --> 00:10:10,640

to which uh this soyuz was attached

91

00:10:15,910 --> 00:10:13,600

since april 7th this is the same docking

92

00:10:18,550 --> 00:10:15,920

port to which dan burbank anatoly

93

00:10:26,310 --> 00:10:18,560

ivanishin and anton shkaplerov will dock

94

00:10:26,320 --> 00:10:38,470

since the indicators

95

00:10:42,470 --> 00:10:40,710

we were waiting for the physical

96

00:10:48,230 --> 00:10:42,480

separation

97

00:10:57,750 --> 00:10:51,750

we are watching the pro activation

98

00:11:02,949 --> 00:11:00,150

separation burn now in effect a 15

99

00:11:05,350 --> 00:11:02,959

second burn of the soyuz engines

100

00:11:06,630 --> 00:11:05,360

this increases uh the opening rate

101
00:11:08,470 --> 00:11:06,640
to the point

102
00:11:09,990 --> 00:11:08,480
at which the deorbit burn will be

103
00:11:13,269 --> 00:11:10,000
conducted

104
00:11:15,990 --> 00:11:13,279
at 10 05 pm central time tonight

105
00:11:17,509 --> 00:11:16,000
as the soyuz will move to a distance of

106
00:11:21,430 --> 00:11:17,519
12 kilometers away from the

107
00:11:26,550 --> 00:11:23,590
with the undocking of this vehicle

108
00:11:28,870 --> 00:11:26,560
expedition 29 has now officially begun

109
00:12:01,269 --> 00:11:28,880
under the command of mike fossum along

110
00:12:01,279 --> 00:12:14,790
so

111
00:12:37,430 --> 00:12:17,509
a little bit lighter we need

112
00:12:41,910 --> 00:12:39,509
and you can see in this view as it darts

113
00:12:44,150 --> 00:12:41,920

uh back and forth amongst the clouds

114

00:12:47,670 --> 00:12:44,160

over the pacific ocean uh you can see

115

00:12:50,710 --> 00:12:47,680

the soyuz tma-21 spacecraft

116

00:12:52,389 --> 00:12:50,720

as it continues an opening rate

117

00:12:54,629 --> 00:12:52,399

from the international space station

118

00:12:57,190 --> 00:12:54,639

eventually uh to be at a position some

119

00:12:59,269 --> 00:12:57,200

12 kilometers away from the station for

120

00:13:01,430 --> 00:12:59,279

the deorbit burn that is scheduled two

121

00:13:05,670 --> 00:13:01,440

hours four minutes from now

122

00:13:11,110 --> 00:13:07,829

and uh we now have video from the

123

00:13:13,910 --> 00:13:11,120

landing site uh on a bright sunny day

124

00:13:15,750 --> 00:13:13,920

with temperatures in the mid 60s as the

125

00:13:18,150 --> 00:13:15,760

crew

126
00:13:19,590 --> 00:13:18,160
is now in the process of being extracted

127
00:13:27,269 --> 00:13:19,600
again the soyuz

128
00:13:31,910 --> 00:13:29,110
that should be uh the commander of the

129
00:13:32,870 --> 00:13:31,920
soyuz alexander samokutyaev yes indeed

130
00:13:34,790 --> 00:13:32,880
it is

131
00:13:36,790 --> 00:13:34,800
being helped out by his flight surgeon

132
00:13:56,230 --> 00:13:36,800
and other support personnel from rsc and

133
00:13:56,240 --> 00:14:01,990
foreign

134
00:14:06,550 --> 00:14:04,310
it appeared to be uh almost a bullseye

135
00:14:09,990 --> 00:14:06,560
landing for the soyuz that we were told

136
00:14:10,949 --> 00:14:10,000
that the first helicopters uh landed

137
00:14:12,870 --> 00:14:10,959
almost

138
00:14:15,269 --> 00:14:12,880

not quite two minutes after the soyuz

139

00:14:17,430 --> 00:14:15,279

itself touched down

140

00:14:19,990 --> 00:14:17,440

so that would uh tend to enhance the

141

00:14:23,430 --> 00:14:20,000

swift extraction from the crew as we

142

00:14:24,949 --> 00:14:23,440

await further reports from you on that

143

00:14:26,629 --> 00:14:24,959

yeah you're exactly right i mean you

144

00:14:27,990 --> 00:14:26,639

know you've done this uh quite a number

145

00:14:29,910 --> 00:14:28,000

of times and a lot of people don't

146

00:14:32,470 --> 00:14:29,920

realize what these helicopters do is

147

00:14:35,030 --> 00:14:32,480

they sort of arrive at the targeted area

148

00:14:37,030 --> 00:14:35,040

and hover for a bit until they get a

149

00:14:39,189 --> 00:14:37,040

confirmation of exactly where the soyuz

150

00:14:41,350 --> 00:14:39,199

has landed but we actually did not hover

151
00:14:43,110 --> 00:14:41,360
at all today we came straight into the

152
00:14:44,790 --> 00:14:43,120
landing site about four of the

153
00:14:45,670 --> 00:14:44,800
helicopters had already landed in front

154
00:14:47,670 --> 00:14:45,680
of us

155
00:14:49,509 --> 00:14:47,680
um the medical tent was already being

156
00:14:51,350 --> 00:14:49,519
put up as we got here

157
00:14:54,230 --> 00:14:51,360
uh which was sort of an indication of

158
00:14:56,389 --> 00:14:54,240
how on target today's landing actually

159
00:14:57,910 --> 00:14:56,399
was but they had gone ahead and gotten

160
00:14:59,189 --> 00:14:57,920
the parachute

161
00:15:00,790 --> 00:14:59,199
torn down and it looks like they're

162
00:15:01,829 --> 00:15:00,800
pulling out yet another crew member as

163
00:15:03,990 --> 00:15:01,839

we watch

164

00:15:06,550 --> 00:15:04,000

and that would be ron garan flashing a

165

00:15:09,110 --> 00:15:06,560

big smile as he's extracted

166

00:15:10,629 --> 00:15:09,120

and we mentioned before josh that

167

00:15:12,710 --> 00:15:10,639

sometimes

168

00:15:14,389 --> 00:15:12,720

landing on its side

169

00:15:16,389 --> 00:15:14,399

would tend to slow down the extraction

170

00:15:18,870 --> 00:15:16,399

of the crew a bit as opposed to back in

171

00:15:21,269 --> 00:15:18,880

may when dimitri condрати of katie

172

00:15:23,509 --> 00:15:21,279

coleman and paulo nespoli landed upright

173

00:15:24,629 --> 00:15:23,519

and were extracted in the preferred

174

00:15:26,629 --> 00:15:24,639

manner

175

00:15:28,629 --> 00:15:26,639

we can see dr steve gilmore there one of

176

00:15:31,269 --> 00:15:28,639

the flight surgeons but ron garan looks

177

00:15:32,790 --> 00:15:31,279

to be in good shape

178

00:15:35,350 --> 00:15:32,800

yeah you're exactly right when these

179

00:15:36,949 --> 00:15:35,360

soyuz land on their side of course uh

180

00:15:39,269 --> 00:15:36,959

you know no one can predict exactly how

181

00:15:41,189 --> 00:15:39,279

they're gonna roll uh and anyone that

182

00:15:43,990 --> 00:15:41,199

has ever seen inside a soil used knows

183

00:15:45,829 --> 00:15:44,000

that it is a very tight quarters that

184

00:15:47,350 --> 00:15:45,839

the crew members sometimes are basically

185

00:15:49,110 --> 00:15:47,360

shoulder to shoulder right on top of

186

00:15:50,150 --> 00:15:49,120

each other so depending on how the soyuz

187

00:15:52,069 --> 00:15:50,160

ends up

188

00:15:53,670 --> 00:15:52,079

um it's a little hard sometimes to get

189

00:15:55,430 --> 00:15:53,680

them out so it takes just a few minutes

190

00:15:56,550 --> 00:15:55,440

to really get everybody in strap of

191

00:15:57,910 --> 00:15:56,560

course they want to make sure they do it

192

00:15:59,749 --> 00:15:57,920

in a delicate manner to make sure that

193

00:16:01,829 --> 00:15:59,759

the crew members aren't you know falling

194

00:16:03,030 --> 00:16:01,839

on top of each other as they get out uh

195

00:16:04,389 --> 00:16:03,040

but they're continuing to make good

196

00:16:05,590 --> 00:16:04,399

progress considering that they've

197

00:16:07,509 --> 00:16:05,600

already got two crew members out and

198

00:16:09,829 --> 00:16:07,519

this thing landed what 20 25 minutes a

199

00:16:12,470 --> 00:16:09,839

year which is quite impressive

200

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

and never shy of ceremonial trappings

201
00:16:17,749 --> 00:16:14,240
we're looking at a picture of the great

202
00:16:20,150 --> 00:16:17,759
designer sergey coryoff and yuri gagarin

203
00:16:22,150 --> 00:16:20,160
that was carried inside the capsule

204
00:16:25,590 --> 00:16:22,160
itself of course this spacecraft was

205
00:16:28,150 --> 00:16:25,600
dubbed gagarin uh prior to its launch uh

206
00:16:29,829 --> 00:16:28,160
back on april 5th just a week shy of the

207
00:16:32,310 --> 00:16:29,839
launching of yuri gagarin is the first

208
00:16:35,030 --> 00:16:32,320
human in space a good view now of ron

209
00:16:37,749 --> 00:16:35,040
garan he looks to be in very good shape

210
00:16:40,150 --> 00:16:37,759
uh smiling broadly and uh you probably

211
00:16:42,470 --> 00:16:40,160
have a better view than we do josh uh

212
00:16:44,550 --> 00:16:42,480
what are you seeing

213
00:16:46,949 --> 00:16:44,560

now he looks to be in great shape you

214

00:16:48,949 --> 00:16:46,959

know it's uh it's always amazing to see

215

00:16:50,470 --> 00:16:48,959

these astronauts and cosmonauts come

216

00:16:51,590 --> 00:16:50,480

back to earth after being up there for

217

00:16:52,870 --> 00:16:51,600

six months

218

00:16:56,069 --> 00:16:52,880

and uh

219

00:16:57,990 --> 00:16:56,079

you know i think it says a lot about how

220

00:16:59,509 --> 00:16:58,000

the international space station program

221

00:17:01,749 --> 00:16:59,519

and our international partners have

222

00:17:03,269 --> 00:17:01,759

worked to keep these crew members in

223

00:17:05,110 --> 00:17:03,279

shape while they're up there on orbit i

224

00:17:07,590 --> 00:17:05,120

think quite a bit has been learned about

225

00:17:09,590 --> 00:17:07,600

how the human body uh reacts to being up

226

00:17:11,669 --> 00:17:09,600

there for that long and you can see how

227

00:17:13,429 --> 00:17:11,679

well these crew members now come back to

228

00:17:15,270 --> 00:17:13,439

earth and how well they feel

229

00:17:17,270 --> 00:17:15,280

uh you can see that some of those

230

00:17:18,870 --> 00:17:17,280

precautions and those efforts that we

231

00:17:20,870 --> 00:17:18,880

take with our crew members

232

00:17:23,350 --> 00:17:20,880

are working

233

00:17:26,150 --> 00:17:23,360

and uh josh as you're speaking uh andre

234

00:17:27,669 --> 00:17:26,160

bottosenka now in his reclining chair so

235

00:17:30,390 --> 00:17:27,679

all three crew members are out of the

236

00:17:33,270 --> 00:17:30,400

soyuz appearing to be in very good shape

237

00:17:36,150 --> 00:17:33,280

and we'll be watching uh the television

238

00:17:38,549 --> 00:17:36,160

as uh it becomes available to us uh as

239

00:17:40,549 --> 00:17:38,559

the crew members uh have an opportunity

240

00:17:43,029 --> 00:17:40,559

to spend a few minutes uh

241

00:17:44,710 --> 00:17:43,039

beginning the adaptation to a gravity uh

242

00:17:46,470 --> 00:17:44,720

environment for the first time in five

243

00:17:48,230 --> 00:17:46,480

and a half months they'll be carried

244

00:17:50,310 --> 00:17:48,240

into the medical tent and

245

00:17:52,150 --> 00:17:50,320

if you could uh offer a few thoughts

246

00:17:54,390 --> 00:17:52,160

josh down there at the landing site as

247

00:17:56,630 --> 00:17:54,400

to what takes place once the crew gets

248

00:17:58,870 --> 00:17:56,640

in the medical tent and what uh what

249

00:18:01,029 --> 00:17:58,880

then lies ahead as they make their way

250

00:18:02,789 --> 00:18:01,039

back to karaganda

251

00:18:04,470 --> 00:18:02,799

yeah i'm actually glad you mentioned it

252

00:18:06,230 --> 00:18:04,480

because you know typically this medical

253

00:18:08,549 --> 00:18:06,240

tent is set up about a hundred yards

254

00:18:10,390 --> 00:18:08,559

away today this medical stand is no more

255

00:18:11,830 --> 00:18:10,400

than probably 30 yards away from the for

256

00:18:12,710 --> 00:18:11,840

the soyuz landed so it's not going to be

257

00:18:15,110 --> 00:18:12,720

a very

258

00:18:16,390 --> 00:18:15,120

long trip as these crew members

259

00:18:18,230 --> 00:18:16,400

probably within the next few minutes

260

00:18:20,310 --> 00:18:18,240

will be lifted up in their chairs and

261

00:18:22,390 --> 00:18:20,320

moved over to the medical tent uh that

262

00:18:23,669 --> 00:18:22,400

is where the flight doctors will do sort

263

00:18:26,150 --> 00:18:23,679

of a

264

00:18:27,669 --> 00:18:26,160

an eyeball exam of exactly how

265

00:18:29,669 --> 00:18:27,679

the crew members are doing to make sure

266

00:18:30,950 --> 00:18:29,679

that they're feeling okay uh and then

267

00:18:33,590 --> 00:18:30,960

they will go through the process of

268

00:18:35,830 --> 00:18:33,600

taking off their launch and entry suits

269

00:18:37,909 --> 00:18:35,840

which takes a few minutes uh they'll put

270

00:18:39,430 --> 00:18:37,919

on some more comfortable clothes and

271

00:18:41,270 --> 00:18:39,440

then they will each go to their

272

00:18:43,029 --> 00:18:41,280

individual helicopters they're sitting

273

00:18:45,430 --> 00:18:43,039

just a few yards away

274

00:18:47,750 --> 00:18:45,440

and all of us will fly back to the city

275

00:18:49,590 --> 00:18:47,760

of karaganda about two hours

276

00:18:51,510 --> 00:18:49,600

which is where the welcome ceremony will

277

00:18:53,669 --> 00:18:51,520

take place so

278

00:18:56,230 --> 00:18:53,679

this all these procedures here

279

00:18:58,230 --> 00:18:56,240

on the ground are continuing as all this

280

00:19:00,310 --> 00:18:58,240

ground personnel yeah get these crew

281

00:19:04,470 --> 00:19:00,320

members set up and welcome them back to

282

00:19:09,350 --> 00:19:07,270

well it was a textbook

283

00:19:12,150 --> 00:19:09,360

evening in terms of all of the

284

00:19:14,310 --> 00:19:12,160

activities the crews saying farewell to

285

00:19:15,510 --> 00:19:14,320

one another up on orbit

286

00:19:18,870 --> 00:19:15,520

the

287

00:19:20,630 --> 00:19:18,880

undocking of this soyuz spacecraft

288

00:19:22,310 --> 00:19:20,640

several hours ago and of course the

289

00:19:24,150 --> 00:19:22,320

deorbit burn and all the activities

290

00:19:27,350 --> 00:19:24,160

associated with the module separation

291

00:19:29,430 --> 00:19:27,360

the deployment of the parachutes we

292

00:19:32,390 --> 00:19:29,440

we actually were devoid of audible

293

00:19:35,029 --> 00:19:32,400

communications between the crew and uh

294

00:19:36,630 --> 00:19:35,039

mission control in karayof outside of

295

00:19:39,029 --> 00:19:36,640

moscow however

296

00:19:41,029 --> 00:19:39,039

we were fortunate enough to be receiving

297

00:19:43,590 --> 00:19:41,039

reports from the visiting vehicle

298

00:19:45,750 --> 00:19:43,600

officer here in mission control josh

299

00:19:48,070 --> 00:19:45,760

who was in touch with russian ballistics

300

00:19:50,230 --> 00:19:48,080

personnel and ultimately

301
00:19:52,789 --> 00:19:50,240
heard that everything was going by the

302
00:19:55,270 --> 00:19:52,799
book and that two-way communications had

303
00:19:56,950 --> 00:19:55,280
been established with the crew during

304
00:20:09,669 --> 00:19:56,960
the final minutes of their descent back

305
00:20:14,149 --> 00:20:11,909
and uh let's go back uh

306
00:20:16,710 --> 00:20:14,159
to josh byerly at the landing site uh

307
00:20:19,029 --> 00:20:16,720
josh the crew uh entering the medical

308
00:20:20,630 --> 00:20:19,039
tent as we can see

309
00:20:21,750 --> 00:20:20,640
oh yeah they're you know like we talked

310
00:20:23,350 --> 00:20:21,760
about they've gotten aware this is just

311
00:20:24,789 --> 00:20:23,360
a very systematic process so they've

312
00:20:26,630 --> 00:20:24,799
already moved them in there and as you

313
00:20:28,390 --> 00:20:26,640

talked about they'll start getting uh

314

00:20:30,710 --> 00:20:28,400

more comfortable this this medical tent

315

00:20:33,190 --> 00:20:30,720

really is quite closer uh today than it

316

00:20:35,430 --> 00:20:33,200

typically is uh so it wasn't a very far

317

00:20:37,430 --> 00:20:35,440

walk for them to go over there but joel

318

00:20:39,029 --> 00:20:37,440

montelvano who is our

319

00:20:41,990 --> 00:20:39,039

director of operations over here in

320

00:20:43,909 --> 00:20:42,000

russia is moving over toward the castle

321

00:20:46,830 --> 00:20:43,919

as i'm watching him he has a long list

322

00:20:49,909 --> 00:20:46,840

of inventory items that he's going to

323

00:21:01,190 --> 00:20:49,919

retrieve we're now seeing replays of the

324

00:21:07,029 --> 00:21:04,710

again these views captured uh

325

00:21:09,270 --> 00:21:07,039

by television cameras aboard uh the

326
00:21:10,950 --> 00:21:09,280
closest uh

327
00:21:12,789 --> 00:21:10,960
search and recovery helicopters in the

328
00:21:14,149 --> 00:21:12,799
vicinity of the landing site you can see

329
00:21:17,750 --> 00:21:14,159
uh how

330
00:21:19,510 --> 00:21:17,760
how close the soyuz landed to a bullseye

331
00:21:20,470 --> 00:21:19,520
target basically

332
00:21:23,029 --> 00:21:20,480
uh the

333
00:21:24,549 --> 00:21:23,039
first all-terrain vehicles already at

334
00:21:41,110 --> 00:21:24,559
the spacecraft

335
00:21:44,230 --> 00:21:42,149
one of the

336
00:21:45,590 --> 00:21:44,240
spacecraft technicians from rsc and

337
00:21:47,350 --> 00:21:45,600
nergia

338
00:21:49,270 --> 00:21:47,360

wiping down the

339

00:21:51,990 --> 00:21:49,280

hatch at the very top of the soyuz

340

00:21:52,950 --> 00:21:52,000

spacecraft prior to the time that it was

341

00:21:55,110 --> 00:21:52,960

opened

342

00:22:22,710 --> 00:21:55,120

to begin the extraction process the

343

00:22:22,720 --> 00:23:21,270

thank you

344

00:23:25,830 --> 00:23:23,669

again you're watching a replay uh

345

00:23:28,630 --> 00:23:25,840

of the initial opening of the hatch that

346

00:23:31,190 --> 00:23:28,640

took place uh a short time ago

347

00:23:33,750 --> 00:23:31,200

as the search and recovery teams uh and

348

00:23:37,270 --> 00:23:33,760

rsc inergia technicians

349

00:23:39,669 --> 00:23:37,280

began the process of extracting the crew

350

00:23:42,470 --> 00:23:39,679

from the descent module of the soyuz

351
00:23:46,549 --> 00:23:42,480
tma-21 spacecraft you can see uh peering

352
00:23:48,950 --> 00:23:46,559
inside uh the hatchway uh how cramped

353
00:23:51,110 --> 00:23:48,960
the quarters are however the soyuz

354
00:24:04,710 --> 00:23:51,120
landed

355
00:24:09,029 --> 00:24:06,950
an excellent view in this replay of the

356
00:24:11,269 --> 00:24:09,039
soft landing engines uh

357
00:24:14,230 --> 00:24:11,279
firing just a split second before

358
00:24:16,310 --> 00:24:14,240
touchdown to help buffer uh the initial

359
00:24:18,470 --> 00:24:16,320
impact of the landing under the main

360
00:24:21,110 --> 00:24:18,480
chute of the soyuz and one of the

361
00:24:23,990 --> 00:24:21,120
russian mi8 helicopters landing within