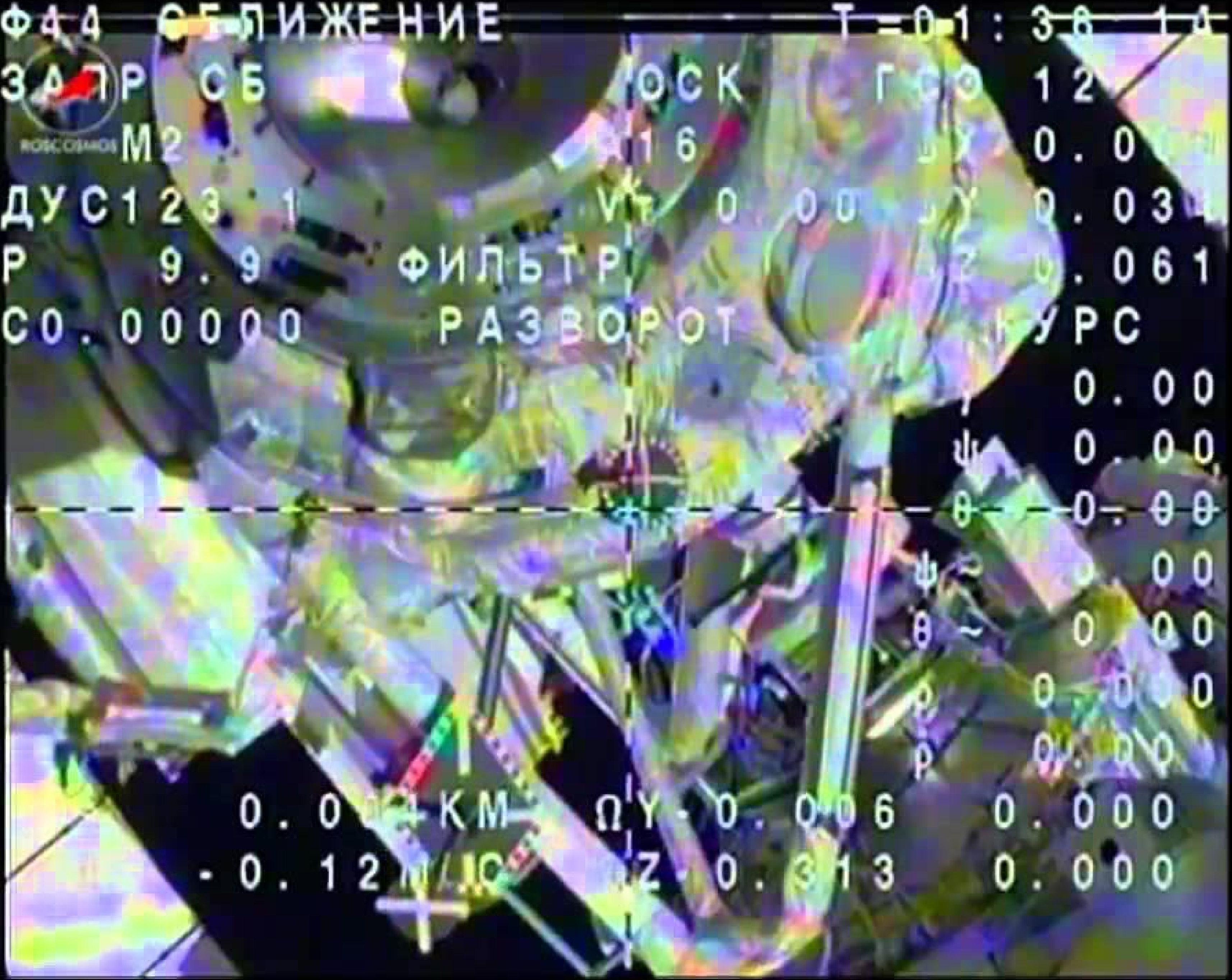
Ф44 СБЛИЖЕНИЕ
ЗАПР СБ
ОСК
ДУС123
Р 9.9 ФИЛЬТР
С0.00000 РАЗВОРОТ КУРС
0.00
0.00
0.00
0.00
-0.12М/С
ΩY -0.006 0.000
Z 0.313 0.000

1
00:00:04,789 --> 00:00:02,230
our next major

2
00:00:07,990 --> 00:00:04,799
milestone being that undocking

3
00:00:08,790 --> 00:00:08,000
on on track for about 16 minutes from

4
00:00:11,430 --> 00:00:08,800
now

5
00:00:13,270 --> 00:00:11,440
at 5 36 p.m central

6
00:00:14,870 --> 00:00:13,280
first the command to undock will be

7
00:00:17,430 --> 00:00:14,880
given about two minutes before the

8
00:00:19,510 --> 00:00:17,440
actual separation at 5 34

9
00:00:22,390 --> 00:00:19,520
that time the series of hooks holding

10
00:00:24,070 --> 00:00:22,400
the soyuz craft in place to the

11
00:00:26,630 --> 00:00:24,080
earth-facing side of the station

12
00:00:29,189 --> 00:00:26,640
currently attached the rossviet module

13
00:00:31,750 --> 00:00:29,199

will drive back and then springs between

14
00:00:33,830 --> 00:00:31,760
the two craft will push off soyuz will

15
00:00:35,430 --> 00:00:33,840
then move away at a very slow descent

16
00:00:37,190 --> 00:00:35,440
rate of about one tenth of a meter per

17
00:00:39,990 --> 00:00:37,200
second before doing some separation

18
00:00:42,229 --> 00:00:40,000
burns and building some space away

19
00:00:44,630 --> 00:00:42,239
from the international space station

20
00:00:46,709 --> 00:00:44,640
following that a few uh some time later

21
00:00:48,470 --> 00:00:46,719
it'll conduct this deorbit burn slowing

22
00:00:51,590 --> 00:00:48,480
the craft down enough to begin the

23
00:00:52,869 --> 00:00:51,600
descent through the earth's atmosphere

24
00:00:55,270 --> 00:00:52,879
once it's slowed down enough the

25
00:00:57,830 --> 00:00:55,280
atmospheric drag and gravity will take

26
00:00:59,750 --> 00:00:57,840
over and do the rest the next major task

27
00:01:01,590 --> 00:00:59,760
will be module separation with the upper

28
00:01:03,270 --> 00:01:01,600
orbital and lower service modules

29
00:01:05,429 --> 00:01:03,280
detaching and burning up in the earth's

30
00:01:07,429 --> 00:01:05,439
atmosphere the descent module with its

31
00:01:09,270 --> 00:01:07,439
heat shield will then continue to go

32
00:01:11,429 --> 00:01:09,280
down protecting the crew from the heat

33
00:01:12,469 --> 00:01:11,439
of re-entry until final parachute

34
00:01:14,550 --> 00:01:12,479
deployment

35
00:01:16,390 --> 00:01:14,560
uh the first uh first two pilot

36
00:01:18,550 --> 00:01:16,400
parachutes will deploy and then uh the

37
00:01:20,870 --> 00:01:18,560
second one will extract the drogue chute

38
00:01:23,749 --> 00:01:20,880

which you see in this animation here

39
00:01:26,230 --> 00:01:23,759
uh that'll do the initial uh slowing of

40
00:01:28,550 --> 00:01:26,240
the soyuz from 230 meters per second

41
00:01:30,630 --> 00:01:28,560
down to only 80 meters per second and

42
00:01:32,390 --> 00:01:30,640
then the main parachute will deploy

43
00:01:35,429 --> 00:01:32,400
slowing the craft to a much more

44
00:01:37,109 --> 00:01:35,439
manageable 7.2 meters per second then

45
00:01:39,109 --> 00:01:37,119
finally right before landing the soft

46
00:01:40,469 --> 00:01:39,119
landing jets fire

47
00:01:42,870 --> 00:01:40,479
further

48
00:01:45,429 --> 00:01:42,880
slowing the craft down and the crew will

49
00:01:47,990 --> 00:01:45,439
touch down in kazakhstan

50
00:01:50,710 --> 00:01:48,000
they'll be landing just to the southeast

51
00:01:52,310 --> 00:01:50,720
of the town of jessica's gun where a lot

52
00:01:54,710 --> 00:01:52,320
of the search and recovery forces will

53
00:01:55,749 --> 00:01:54,720
be staging out of and then here this

54
00:01:59,429 --> 00:01:55,759
view

55
00:02:01,350 --> 00:01:59,439
you can see the landing site as it is in

56
00:02:03,990 --> 00:02:01,360
kazakhstan in the central portion of the

57
00:02:06,630 --> 00:02:05,030
again

58
00:02:09,029 --> 00:02:06,640
it's expected to be

59
00:02:11,430 --> 00:02:09,039
early morning it'll be about 2 hours and

60
00:02:13,750 --> 00:02:11,440
11 minutes after sunrise when they touch

61
00:02:15,670 --> 00:02:13,760
down in kazakhstan

62
00:02:18,949 --> 00:02:15,680
search and recovery forces will be out

63
00:02:20,309 --> 00:02:18,959

there in advance of the landing

64
00:02:23,110 --> 00:02:20,319
getting

65
00:02:24,790 --> 00:02:23,120
to the zone in multiple vehicles

66
00:02:26,309 --> 00:02:24,800
among them a couple of command and

67
00:02:28,470 --> 00:02:26,319
control planes which will serve as

68
00:02:30,790 --> 00:02:28,480
command centers for the forces

69
00:02:32,470 --> 00:02:30,800
and coordinated and also responsible for

70
00:02:34,630 --> 00:02:32,480
establishing communication with the

71
00:02:35,670 --> 00:02:34,640
soyuz craft during its final descent

72
00:02:38,630 --> 00:02:35,680
phases

73
00:02:40,470 --> 00:02:38,640
communication often pretty spotty

74
00:02:42,630 --> 00:02:40,480
as the craft enters through the earth's

75
00:02:44,710 --> 00:02:42,640
atmosphere given the vast distance

76
00:02:47,670 --> 00:02:44,720
between it and the station

77
00:02:50,710 --> 00:02:47,680
and the plasma buildup during reentry

78
00:02:52,790 --> 00:02:50,720
but some of the first uh following uh

79
00:02:54,390 --> 00:02:52,800
module separation generally i will come

80
00:02:56,630 --> 00:02:54,400
with the uh search and recovery

81
00:02:59,110 --> 00:02:56,640
airplanes a number of uh crew also

82
00:03:01,750 --> 00:02:59,120
getting out there in the russian mi8

83
00:03:04,470 --> 00:03:01,760
helicopters which will form a racetrack

84
00:03:07,509 --> 00:03:04,480
pattern around the landing zone a few

85
00:03:10,229 --> 00:03:07,519
hours in advance of actual touchdown and

86
00:03:11,430 --> 00:03:10,239
be on standby for

87
00:03:13,750 --> 00:03:11,440
getting

88
00:03:15,830 --> 00:03:13,760

recovery personnel to the crew a very

89
00:03:17,990 --> 00:03:15,840
quick pace and then also a number of

90
00:03:19,750 --> 00:03:18,000
all-terrain vehicles will be routed out

91
00:03:21,990 --> 00:03:19,760
there with additional logistical

92
00:03:24,309 --> 00:03:22,000
equipment such as the medical attempt

93
00:03:26,229 --> 00:03:24,319
which is traditionally set up just a

94
00:03:28,550 --> 00:03:26,239
short distance away from the landing

95
00:03:30,789 --> 00:03:28,560
zone where the initial medical checkouts

96
00:03:33,030 --> 00:03:30,799
of the crew are performed before

97
00:03:34,789 --> 00:03:33,040
bringing them back for their uh flights

98
00:03:36,949 --> 00:03:34,799
back to their home bases

99
00:03:38,710 --> 00:03:36,959
but for now still on track for that

100
00:03:40,869 --> 00:03:38,720
undocking from the international space

101
00:03:43,589 --> 00:03:40,879
station counting down

102
00:03:45,910 --> 00:03:43,599
just about 12 minutes from now

103
00:03:48,789 --> 00:03:45,920
the undocking command again given two

104
00:03:50,390 --> 00:03:48,799
minutes before at 5 34 pm central just

105
00:03:52,550 --> 00:03:50,400
10 minutes from now

106
00:03:54,149 --> 00:03:52,560
it'll take about two minutes following

107
00:03:55,910 --> 00:03:54,159
the command for the hooks to drive and

108
00:03:57,750 --> 00:03:55,920
then the springs will

109
00:04:00,390 --> 00:03:57,760
push back and initiate

110
00:04:01,990 --> 00:04:00,400
physical separation

111
00:04:04,470 --> 00:04:02,000
hopefully get a view of one of the

112
00:04:06,630 --> 00:04:04,480
cameras on board the soyuz craft and be

113
00:04:09,270 --> 00:04:06,640

able to see the station depart in the

114
00:04:13,429 --> 00:04:11,670
this right here review inside of the

115
00:04:16,629 --> 00:04:13,439
russian mission control center located

116
00:04:17,909 --> 00:04:16,639
just outside of moscow and koryoff

117
00:04:19,670 --> 00:04:17,919
the russian flight controller is

118
00:04:21,270 --> 00:04:19,680
responsible for communicating with the

119
00:04:23,510 --> 00:04:21,280
crew

120
00:04:25,270 --> 00:04:23,520
monitoring the telemetry on board the

121
00:04:29,430 --> 00:04:25,280
soyuz craft during all of tonight's

122
00:04:33,189 --> 00:04:31,430
here you can see the basic layout of the

123
00:04:34,790 --> 00:04:33,199
descent module where the three uh

124
00:04:35,909 --> 00:04:34,800
departing astronauts are currently

125
00:04:38,070 --> 00:04:35,919
situated

126
00:04:40,790 --> 00:04:38,080
uh in the center sea will be the soyuz

127
00:04:43,030 --> 00:04:40,800
craft commander mikhail turin

128
00:04:45,350 --> 00:04:43,040
and then in the left seat will be the

129
00:04:47,590 --> 00:04:45,360
board engineer kind of uh

130
00:04:48,950 --> 00:04:47,600
turns back up for all the operations and

131
00:04:51,430 --> 00:04:48,960
that'll be nasa astronaut rick

132
00:04:53,430 --> 00:04:51,440
mastracchio then on the right seat as

133
00:04:56,230 --> 00:04:53,440
flight engineer number two will be uh

134
00:04:58,150 --> 00:04:56,240
koichi wakata who until yesterday was

135
00:04:59,670 --> 00:04:58,160
the commander of the international space

136
00:05:02,550 --> 00:04:59,680
station he was the first japanese

137
00:05:04,950 --> 00:05:02,560
commander of the orbiting complex and uh

138
00:05:07,510 --> 00:05:04,960

just yesterday handed over command to

139
00:05:08,950 --> 00:05:07,520
nasa astronaut steve swanson who will

140
00:05:11,350 --> 00:05:08,960
command the station during its

141
00:05:12,390 --> 00:05:11,360
expedition 40 increment which will begin

142
00:05:14,469 --> 00:05:12,400
formally

143
00:05:19,029 --> 00:05:14,479
once the physical separation of the

144
00:05:24,790 --> 00:05:21,189
just about 10 minutes now from that

145
00:05:27,350 --> 00:05:24,800
expected undocking of the soyuz tma-11m

146
00:05:28,710 --> 00:05:27,360
spacecraft

147
00:05:30,870 --> 00:05:28,720
should get pretty uh regular

148
00:05:33,110 --> 00:05:30,880
communication between

149
00:05:35,510 --> 00:05:33,120
the russian mission control center and

150
00:05:38,070 --> 00:05:35,520
the astronauts on board again

151
00:05:40,629 --> 00:05:38,080
they closed the hatches a few hours ago

152
00:05:42,150 --> 00:05:40,639
just about three hours ago exactly

153
00:05:44,310 --> 00:05:42,160
since then they've been conducting a

154
00:05:46,629 --> 00:05:44,320
series of leak checks on the vehicle

155
00:05:48,870 --> 00:05:46,639
itself ensuring that they have a tight

156
00:05:50,790 --> 00:05:48,880
seal and all those systems are in order

157
00:05:53,270 --> 00:05:50,800
the three on board also getting into

158
00:05:55,350 --> 00:05:53,280
their sokol launch and entry suits doing

159
00:05:56,710 --> 00:05:55,360
a few leak checks on those suits as well

160
00:05:58,309 --> 00:05:56,720
everything coming down to the flight

161
00:06:00,390 --> 00:05:58,319
controllers reporting

162
00:06:03,189 --> 00:06:00,400
everything going nominally so going as

163
00:06:04,629 --> 00:06:03,199

expected not tracking any issues

164
00:06:06,870 --> 00:06:04,639
with the suits

165
00:06:23,909 --> 00:06:06,880
or the vehicle itself for tonight's

166
00:06:28,550 --> 00:06:26,070
the station right now is approaching

167
00:06:30,629 --> 00:06:28,560
russian ground sites those are the

168
00:06:32,230 --> 00:06:30,639
bright yellow circles you can see on

169
00:06:34,830 --> 00:06:32,240
this ground track

170
00:06:39,350 --> 00:06:34,840
the station itself is uh currently about

171
00:06:41,270 --> 00:06:39,360
260 statute miles uh just over uh just

172
00:06:43,510 --> 00:06:41,280
about to cross over central asia it's

173
00:06:45,830 --> 00:06:43,520
actually just over india right now and

174
00:06:59,110 --> 00:06:45,840
we'll pat pass over uh central and

175
00:06:59,120 --> 00:07:08,390
i remember now

176
00:07:08,400 --> 00:07:33,589
yet

177
00:08:07,990 --> 00:08:03,830
so

178
00:08:09,430 --> 00:08:08,000
from that undocking command again about

179
00:08:13,189 --> 00:08:09,440
two minutes after the command is given

180
00:08:14,710 --> 00:08:13,199
the soyuz tma-11m will detach

181
00:08:16,629 --> 00:08:14,720
you can see the current station

182
00:08:18,230 --> 00:08:16,639
configuration here

183
00:08:20,230 --> 00:08:18,240
the soyuz which will be departing

184
00:08:23,589 --> 00:08:20,240
tonight is currently attached to the

185
00:08:25,830 --> 00:08:23,599
rossviet module on the earth-facing side

186
00:08:27,350 --> 00:08:25,840
of the zarya module on board the

187
00:08:29,909 --> 00:08:27,360
international space station it's kind of

188
00:08:33,190 --> 00:08:29,919

in the lower middle part of your screen

189
00:08:34,790 --> 00:08:33,200
immediately to its right is progress 55

190
00:08:37,190 --> 00:08:34,800
which is docked to piers on the

191
00:08:39,110 --> 00:08:37,200
earth-facing side of zvezda

192
00:08:41,670 --> 00:08:39,120
it's one of three cargo craft currently

193
00:08:44,470 --> 00:08:41,680
docked the other being progress 53 on

194
00:08:46,790 --> 00:08:44,480
the very aft end of zvezda and also the

195
00:08:48,870 --> 00:08:46,800
spacex dragon vehicle currently docked

196
00:08:51,030 --> 00:08:48,880
to the earth-facing side of harmony and

197
00:08:52,790 --> 00:08:51,040
then now one other soyuz craft currently

198
00:08:54,230 --> 00:08:52,800
docked which will remain

199
00:08:56,550 --> 00:08:54,240
and that's the one that carried uh

200
00:08:59,509 --> 00:08:56,560
swanson artemyev and scorchoff up to the

201
00:09:03,269 --> 00:08:59,519
station that's so used tma-12m currently

202
00:09:07,030 --> 00:09:05,350
0-1

203
00:09:09,590 --> 00:09:07,040
currently docked to the poisk module on

204
00:09:12,070 --> 00:09:09,600
the space facing side of zvezda so again

205
00:09:15,509 --> 00:09:12,080
the vehicle uh set to depart in just

206
00:09:18,949 --> 00:09:15,519
about six or seven minutes from now

207
00:09:21,430 --> 00:09:18,959
the soyuz 37 or tma-11m

208
00:09:23,829 --> 00:09:21,440
once it's departed there will be again

209
00:09:24,870 --> 00:09:23,839
tma12m will still be attached to the

210
00:09:26,710 --> 00:09:24,880
station

211
00:09:41,829 --> 00:09:26,720
as well as the three unmanned cargo

212
00:09:41,839 --> 00:10:15,350
all the indicators are on

213
00:10:24,710 --> 00:10:18,550

standing by for your report we activated

214
00:10:24,720 --> 00:10:28,870
so we are monitoring the format

215
00:10:33,030 --> 00:10:29,750
for

216
00:10:35,990 --> 00:10:34,790
so we have the

217
00:10:38,310 --> 00:10:36,000
mode

218
00:10:40,310 --> 00:10:38,320
now so if you want we can send you an

219
00:10:41,670 --> 00:10:40,320
image

220
00:10:44,230 --> 00:10:41,680
so it's a

221
00:10:54,069 --> 00:10:44,240
free drift mode yes

222
00:10:59,509 --> 00:10:57,110
so there is maneuver there is no

223
00:11:25,110 --> 00:11:01,990
no in attitude

224
00:11:25,120 --> 00:11:41,670
the propellant

225
00:11:41,680 --> 00:11:47,030
you don't have to activate the light

226
00:11:50,470 --> 00:11:48,630
the flashlight

227
00:11:53,269 --> 00:11:50,480
we just passed the two-minute mark now

228
00:11:55,030 --> 00:11:53,279
from the uh plan undocking command

229
00:11:56,790 --> 00:11:55,040
and once that command is given it'll

230
00:11:58,150 --> 00:11:56,800
take about two minutes again for all the

231
00:11:59,910 --> 00:11:58,160
hooks to drive

232
00:12:01,670 --> 00:11:59,920
and then the springs to push the soyuz

233
00:12:04,629 --> 00:12:01,680
craft away from the station we have

234
00:12:07,350 --> 00:12:04,639
started to receive the signal from you

235
00:12:08,790 --> 00:12:07,360
and now we're starting to get a live

236
00:12:10,710 --> 00:12:08,800
view

237
00:12:15,190 --> 00:12:10,720
from the russian ground station uh

238
00:12:31,829 --> 00:12:19,750

could you please uh make a full screen

239
00:12:36,389 --> 00:12:34,629
on that soyuz craft set to depart

240
00:12:40,310 --> 00:12:36,399
looking straight back at the rassvet

241
00:12:43,190 --> 00:12:42,150
just now coming out of a nighttime pass

242
00:12:45,110 --> 00:12:43,200
so

243
00:12:49,990 --> 00:12:45,120
light conditions should improve over the

244
00:13:04,230 --> 00:12:50,790
yes

245
00:13:04,240 --> 00:13:10,629
the leches are open

246
00:13:10,639 --> 00:13:13,269
union

247
00:13:29,990 --> 00:13:16,230
we have prepared

248
00:13:30,000 --> 00:13:32,790
okay

249
00:13:32,800 --> 00:13:36,949
no

250
00:13:41,189 --> 00:13:39,509
30 is the time for the command

251
00:13:42,710 --> 00:13:41,199
are you ready yes i am

252
00:13:56,550 --> 00:13:42,720
good

253
00:14:00,069 --> 00:13:58,150
so just confirm the command has been

254
00:14:02,150 --> 00:14:00,079
given the hooks uh holding the soyuz

255
00:14:04,310 --> 00:14:02,160
craft in place beginning to drive

256
00:14:06,310 --> 00:14:04,320
anymore again it takes about two minutes

257
00:14:08,629 --> 00:14:06,320
after the uh command for the physical

258
00:14:10,550 --> 00:14:08,639
separation to occur so we'll stand by

259
00:14:12,870 --> 00:14:10,560
over the next two minutes

260
00:14:14,550 --> 00:14:12,880
soyuz craft initially departing at a

261
00:14:25,269 --> 00:14:14,560
rate of only about a tenth of a meter

262
00:14:25,279 --> 00:15:19,590
3413

263
00:15:23,910 --> 00:15:22,710

and physical separation confirmed

264
00:15:26,470 --> 00:15:23,920
mechanical

265
00:15:28,710 --> 00:15:26,480
separation

266
00:15:30,790 --> 00:15:28,720
we look at the docking interface

267
00:15:32,949 --> 00:15:30,800
now we inspect physical separation

268
00:15:35,670 --> 00:15:32,959
coming right

269
00:15:38,710 --> 00:15:35,680
right on the dot pretty much at 5 36 pm

270
00:15:40,389 --> 00:15:38,720
central while the stations flying 261

271
00:15:42,470 --> 00:15:40,399
statute miles over

272
00:15:43,910 --> 00:15:42,480
mongolia

273
00:15:46,550 --> 00:15:43,920
the soyuz craft

274
00:15:48,389 --> 00:15:46,560
tma at 11 m carrying mikhail turin rick

275
00:15:50,389 --> 00:15:48,399
mastracchio and koichu akata now

276
00:15:52,230 --> 00:15:50,399
separated from the international space

277
00:15:54,230 --> 00:15:52,240
station

278
00:16:00,389 --> 00:15:54,240
getting the journey home for these three

279
00:16:04,550 --> 00:16:02,629
so we separate

280
00:16:05,430 --> 00:16:04,560
mostly

281
00:16:07,269 --> 00:16:05,440
we are

282
00:16:12,790 --> 00:16:07,279
close to the axis of the docking

283
00:16:15,350 --> 00:16:13,829
and

284
00:16:19,030 --> 00:16:15,360
attitude is

285
00:16:19,040 --> 00:16:41,749
number one has been selected

286
00:16:44,710 --> 00:16:43,430
again the soyuz craft continuing to

287
00:16:46,389 --> 00:16:44,720
depart

288
00:16:47,189 --> 00:16:46,399

just a little over a meter per second

289
00:16:49,670 --> 00:16:47,199
that

290
00:16:53,350 --> 00:16:49,680
physical separation coming

291
00:16:54,870 --> 00:16:53,360
right on time at 5 36 p.m central

292
00:16:57,590 --> 00:16:54,880
soyuz and the international space

293
00:17:03,430 --> 00:16:57,600
station were 261 statute miles over

294
00:17:07,990 --> 00:17:05,189
just about a minute or so

295
00:17:09,590 --> 00:17:08,000
the soyuz craft will execute a 15 second

296
00:17:11,429 --> 00:17:09,600
burn of engines

297
00:17:15,750 --> 00:17:11,439
to increase the rate of departure from

298
00:17:15,760 --> 00:17:25,829
one minute before the depot activation

299
00:17:25,839 --> 00:17:29,110
one has been selected

300
00:17:29,120 --> 00:17:36,150
no doubt

301
00:17:42,150 --> 00:17:38,390
okay very soon the uh thrusters will be

302
00:17:42,160 --> 00:17:57,430
all right

303
00:17:57,440 --> 00:18:05,190
yes that's correct

304
00:18:08,470 --> 00:18:07,110
in 10 seconds the thrusters will be

305
00:18:18,150 --> 00:18:08,480
activated

306
00:18:18,160 --> 00:18:22,230
activation

307
00:18:27,510 --> 00:18:25,110
and so the separation burn confirmed the

308
00:18:29,350 --> 00:18:27,520
craft now about 15 to 20 meters away

309
00:18:31,270 --> 00:18:29,360
from the international space station

310
00:18:33,830 --> 00:18:31,280
this will be a 15 second firing of the

311
00:18:35,669 --> 00:18:33,840
soyuz engines to uh increase the rate of

312
00:18:37,669 --> 00:18:35,679
departure by about a half a meter per

313
00:18:39,350 --> 00:18:37,679

second

314
00:18:40,630 --> 00:18:39,360
we can see this separation from this

315
00:18:45,190 --> 00:18:40,640
station we can see everything very

316
00:18:48,789 --> 00:18:47,510
it's near the axis of the docking

317
00:18:50,470 --> 00:18:48,799
mechanism

318
00:18:52,230 --> 00:18:50,480
no fluctuation

319
00:18:56,549 --> 00:18:52,240
across

320
00:18:57,590 --> 00:18:56,559
the angle rate or anything like this

321
00:19:00,310 --> 00:18:57,600
this

322
00:19:03,990 --> 00:19:00,320
everything is stable or there should be

323
00:19:07,909 --> 00:19:05,669
okay

324
00:19:09,990 --> 00:19:07,919
we will be standing by

325
00:19:13,270 --> 00:19:10,000
for or there and we will report it to

326
00:19:13,280 --> 00:19:32,630
six seconds

327
00:19:32,640 --> 00:20:18,950
is not illuminated anymore

328
00:20:21,510 --> 00:20:20,470
okay so we will send the command via

329
00:20:23,510 --> 00:20:21,520
corel

330
00:20:24,549 --> 00:20:23,520
right now

331
00:20:26,549 --> 00:20:24,559
so you don't

332
00:20:31,510 --> 00:20:26,559
could you please repeat lava first i

333
00:20:36,149 --> 00:20:33,029
so don't do anything

334
00:20:40,310 --> 00:20:36,159
you know for for some time we will

335
00:20:41,750 --> 00:20:40,320
dictate these settings to you

336
00:20:44,870 --> 00:20:41,760
okay now we have that they are

337
00:20:46,789 --> 00:20:44,880
illuminated everything is nominal we

338
00:20:48,470 --> 00:20:46,799

get your pity with the shame so we

339
00:20:50,230 --> 00:20:48,480
should we deactivate the

340
00:20:56,390 --> 00:20:50,240
core

341
00:21:02,789 --> 00:20:59,029
so we don't have to do anything

342
00:21:05,909 --> 00:21:02,799
so we're not sending therefore

343
00:21:08,310 --> 00:21:05,919
don't do anything right now

344
00:21:57,029 --> 00:21:08,320
for a while

345
00:21:57,039 --> 00:22:00,390
i've deactivated

346
00:22:05,029 --> 00:22:02,549
again the trio of departing crew members

347
00:22:07,110 --> 00:22:05,039
nasa astronaut rick mastracchio japanese

348
00:22:09,510 --> 00:22:07,120
astronaut koichi wakata

349
00:22:11,270 --> 00:22:09,520
and russian cosmonaut mikhail turin

350
00:22:13,590 --> 00:22:11,280
vandak from the international space

351
00:22:15,590 --> 00:22:13,600
station and are right now continuing to

352
00:22:17,350 --> 00:22:15,600
widen the gap between themselves in

353
00:22:19,190 --> 00:22:17,360
their soyuz craft and the orbiting

354
00:22:22,149 --> 00:22:19,200
laboratory

355
00:22:24,950 --> 00:22:22,159
the undock coming right on time at 5 36

356
00:22:29,029 --> 00:22:24,960
pm central while the station complex was

357
00:22:31,190 --> 00:22:29,039
flying 261 statute miles over mongolia

358
00:22:33,590 --> 00:22:31,200
separation burn also being confirmed to

359
00:22:37,669 --> 00:22:33,600
have been done successfully that coming

360
00:22:39,830 --> 00:22:37,679
at 5 39 p.m central

361
00:22:42,070 --> 00:22:39,840
the second one now you can see the

362
00:22:44,630 --> 00:22:42,080
crafts currently both about to head out

363
00:22:46,789 --> 00:22:44,640

over the northern pacific ocean

364
00:22:49,029 --> 00:22:46,799
over the next few hours the distance

365
00:22:50,789 --> 00:22:49,039
will continue to widen between the soyuz

366
00:22:52,149 --> 00:22:50,799
and its recent home the international

367
00:22:54,070 --> 00:22:52,159
space station

368
00:22:57,029 --> 00:22:54,080
the next major task will be a deorbit

369
00:22:58,789 --> 00:22:57,039
burn coming a few hours from now at 804

370
00:23:00,950 --> 00:22:58,799
pm central time

371
00:23:03,350 --> 00:23:00,960
but for now the three crew members have

372
00:23:05,510 --> 00:23:03,360
spent 188 days on board the

373
00:23:07,029 --> 00:23:05,520
international space station that coming

374
00:23:09,669 --> 00:23:07,039
to an end tonight

375
00:23:11,909 --> 00:23:09,679
as they are now on their way

376
00:23:13,669 --> 00:23:11,919
towards that landing in kazakhstan just

377
00:23:16,149 --> 00:23:13,679
a few hours from now

378
00:23:17,830 --> 00:23:16,159
here again you see a map of the landing

379
00:23:20,149 --> 00:23:17,840
site they'll be coming in and landing

380
00:23:21,750 --> 00:23:20,159
just in the central part of the country

381
00:23:23,590 --> 00:23:21,760
to the southeast of the town of

382
00:23:25,909 --> 00:23:23,600
jezkasgan

383
00:23:27,830 --> 00:23:25,919
they'll be recovered by the search and

384
00:23:29,990 --> 00:23:27,840
recovery forces that are on hand and

385
00:23:32,789 --> 00:23:30,000
mobilizing and getting ready

386
00:23:34,549 --> 00:23:32,799
to head out and prepare for the landing

387
00:23:36,630 --> 00:23:34,559
it'll be just about two hours after