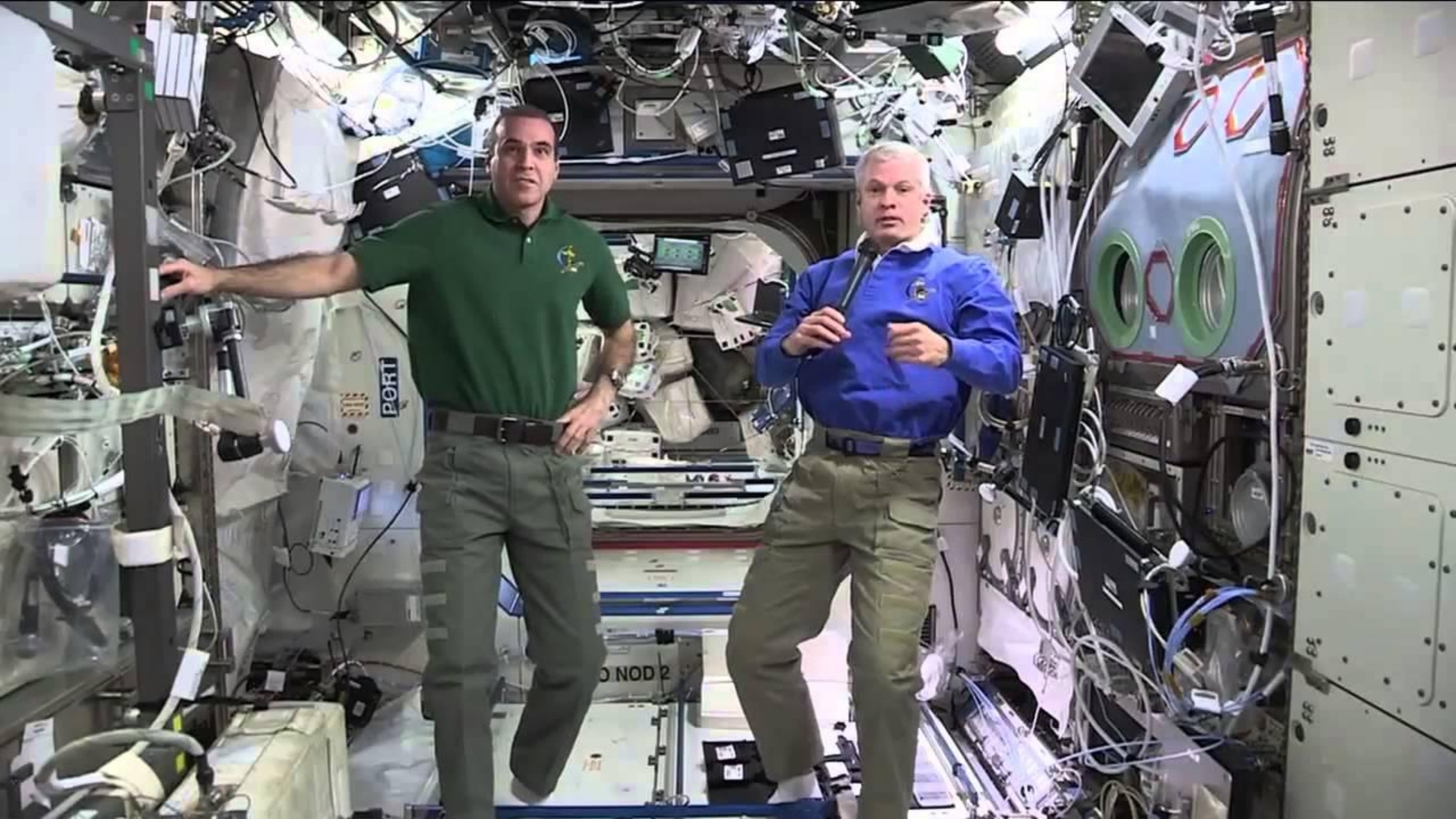
PORT
NOD 2

1
00:00:06,710 --> 00:00:02,070
station this is houston are you ready

2
00:00:12,789 --> 00:00:10,950
houston station is ready for the event

3
00:00:14,629 --> 00:00:12,799
fox business news this is mission

4
00:00:19,109 --> 00:00:14,639
control houston please call station for

5
00:00:19,119 --> 00:00:25,990
we are ready to speak with you

6
00:00:26,000 --> 00:00:40,790
we have you loud and clear fox

7
00:00:43,110 --> 00:00:41,670
three

8
00:00:45,350 --> 00:00:43,120
two

9
00:00:48,310 --> 00:00:45,360
i'm joined right now by nasa astronauts

10
00:00:49,750 --> 00:00:48,320
and expedition 39 flight engineers

11
00:00:52,150 --> 00:00:49,760
joining us right now from the

12
00:00:53,910 --> 00:00:52,160
international space station is rick

13
00:00:57,670 --> 00:00:53,920

masterskeik

14
00:00:59,590 --> 00:00:57,680
rick mastracchio and steve swanson

15
00:01:01,349 --> 00:00:59,600
gentlemen you are coming to us from the

16
00:01:05,350 --> 00:01:01,359
international space station welcome

17
00:01:05,360 --> 00:01:09,190
it's our pleasure thank you

18
00:01:13,429 --> 00:01:11,190
i guess i mean you're you're coming to

19
00:01:15,749 --> 00:01:13,439
us from the space station right now i

20
00:01:17,910 --> 00:01:15,759
i've got to just start the interview and

21
00:01:23,429 --> 00:01:17,920
tell us how it feels what does it feel

22
00:01:27,190 --> 00:01:25,910
of course yeah uh well we're not near a

23
00:01:28,550 --> 00:01:27,200
window right now i can't look out the

24
00:01:29,749 --> 00:01:28,560
window to see where we are over the

25
00:01:31,270 --> 00:01:29,759
earth but you're right we're coming from

26
00:01:33,510 --> 00:01:31,280
the international space station we're

27
00:01:35,429 --> 00:01:33,520
circling in the earth about 250 260

28
00:01:36,950 --> 00:01:35,439
miles above the earth traveling at five

29
00:01:38,870 --> 00:01:36,960
miles a second

30
00:01:40,310 --> 00:01:38,880
right now we're located in the u.s

31
00:01:42,710 --> 00:01:40,320
laboratory this is where we're doing a

32
00:01:47,429 --> 00:01:42,720
lot of research and development in this

33
00:01:51,429 --> 00:01:49,990
and how was the trip there can you give

34
00:01:55,910 --> 00:01:51,439
us a sense of what you've been

35
00:01:59,749 --> 00:01:57,510
the trip here was a little eventful for

36
00:02:01,749 --> 00:01:59,759
me it's supposed to be a six hour flight

37
00:02:04,310 --> 00:02:01,759
and a soyuz vehicle from taking off from

38
00:02:05,590 --> 00:02:04,320

kazakhstan um i had a little issue on it

39
00:02:07,030 --> 00:02:05,600
ended up being a two-day flight which

40
00:02:09,270 --> 00:02:07,040
wasn't bad just a little more time in

41
00:02:10,949 --> 00:02:09,280
the vehicle but since we've got here

42
00:02:15,190 --> 00:02:10,959
we've been having a great time doing

43
00:02:21,350 --> 00:02:17,110
and what kind of research are you doing

44
00:02:24,309 --> 00:02:22,949
well we've got all kinds of research

45
00:02:25,910 --> 00:02:24,319
going on up here you know some of the

46
00:02:27,750 --> 00:02:25,920
things that we've been doing is we had a

47
00:02:28,949 --> 00:02:27,760
cargo ship come up a couple of weeks ago

48
00:02:30,710 --> 00:02:28,959
and of course it brings up a whole

49
00:02:32,309 --> 00:02:30,720
series of experiments and that ship will

50
00:02:34,470 --> 00:02:32,319
then return with the samples and the

51
00:02:35,509 --> 00:02:34,480
results of those experiments so what we

52
00:02:37,350 --> 00:02:35,519
do up here is we're kind of the

53
00:02:39,110 --> 00:02:37,360
operators we work with the scientists

54
00:02:40,470 --> 00:02:39,120
and the engineers on the ground and

55
00:02:42,630 --> 00:02:40,480
we're the ones who execute their

56
00:02:44,790 --> 00:02:42,640
experiments uh for example right here at

57
00:02:46,390 --> 00:02:44,800
our feet we got some plants growing uh

58
00:02:48,710 --> 00:02:46,400
these plants are trying to see how the

59
00:02:50,949 --> 00:02:48,720
gravitation of the zero g the weightless

60
00:02:52,710 --> 00:02:50,959
affects the the roots which way they go

61
00:02:54,229 --> 00:02:52,720
uh we're also working on you know we

62
00:02:56,309 --> 00:02:54,239
have different kinds of antibiotics that

63
00:02:58,470 --> 00:02:56,319

they're looking at up here uh when we're

64
00:03:00,390 --> 00:02:58,480
up here in zero g our immune system is

65
00:03:03,190 --> 00:03:00,400
kind of suppressed so we can't fight uh

66
00:03:05,270 --> 00:03:03,200
the uh the bacteria the bugs as much as

67
00:03:07,589 --> 00:03:05,280
we can on the earth and the bacteria is

68
00:03:09,589 --> 00:03:07,599
actually very strong up here so

69
00:03:10,949 --> 00:03:09,599
we're basically doing research on new

70
00:03:12,550 --> 00:03:10,959
antibiotics trying to fight these

71
00:03:17,110 --> 00:03:12,560
superbugs of course which has direct

72
00:03:21,430 --> 00:03:18,550
gentlemen let me ask you about the

73
00:03:23,670 --> 00:03:21,440
future of space shuttle i mean given the

74
00:03:26,630 --> 00:03:23,680
space shuttle's retirement we know that

75
00:03:29,509 --> 00:03:26,640
the u.s pays russia what 71 million

76
00:03:30,949 --> 00:03:29,519
dollars a seat to fly astronauts to the

77
00:03:33,430 --> 00:03:30,959
station um

78
00:03:36,309 --> 00:03:33,440
your your current uh mission obviously

79
00:03:38,470 --> 00:03:36,319
uh has the both of you among uh that

80
00:03:41,110 --> 00:03:38,480
six-person crew but what should we be

81
00:03:46,949 --> 00:03:41,120
thinking about in terms of the future of

82
00:03:50,550 --> 00:03:48,309
that's a good question we're working

83
00:03:52,949 --> 00:03:50,560
hard on getting uh another vehicle

84
00:03:54,470 --> 00:03:52,959
from nasa to take us up here uh

85
00:03:57,190 --> 00:03:54,480
estimated right now that will be

86
00:03:59,350 --> 00:03:57,200
delivered around 2017. uh we're hoping

87
00:04:01,509 --> 00:03:59,360
it sure is we as astronauts would love

88
00:04:04,229 --> 00:04:01,519

to launch from the us we're looking

89
00:04:05,509 --> 00:04:04,239
forward to that day and uh we're hoping

90
00:04:08,229 --> 00:04:05,519
uh you know as long as we get the

91
00:04:12,070 --> 00:04:08,239
funding and the the things go smoothly

92
00:04:14,390 --> 00:04:12,080
we should be there in 2017.

93
00:04:16,710 --> 00:04:14,400
so so you don't worry about

94
00:04:19,110 --> 00:04:16,720
the the future given the relationship

95
00:04:21,030 --> 00:04:19,120
between the u.s and russia

96
00:04:25,670 --> 00:04:21,040
we we won't be having that funding from

97
00:04:27,749 --> 00:04:26,469
well

98
00:04:29,270 --> 00:04:27,759
you know there's a couple couple of

99
00:04:31,030 --> 00:04:29,280
answers for that question you know first

100
00:04:33,189 --> 00:04:31,040
of all our relationship with russia you

101
00:04:34,550 --> 00:04:33,199
know we're we uh up here we don't have

102
00:04:35,830 --> 00:04:34,560
any politics you know we're all crew

103
00:04:37,990 --> 00:04:35,840
mates we have russian crew mates we have

104
00:04:39,990 --> 00:04:38,000
a japanese crewmate so we have the u.s

105
00:04:41,670 --> 00:04:40,000
crew crew members up here we get along

106
00:04:43,430 --> 00:04:41,680
great up here as far as the future goes

107
00:04:45,030 --> 00:04:43,440
i think the future is is pretty going to

108
00:04:46,550 --> 00:04:45,040
be a very interesting because we have

109
00:04:47,830 --> 00:04:46,560
both commercial companies building

110
00:04:50,150 --> 00:04:47,840
vehicles that are going to launch out of

111
00:04:52,150 --> 00:04:50,160
the united states we've got nasa nasa's

112
00:04:53,990 --> 00:04:52,160
orion program that's also going to

113
00:04:55,749 --> 00:04:54,000

launch a vehicle beyond low earth orbit

114
00:04:57,430 --> 00:04:55,759
so until those vehicles come online of

115
00:04:59,270 --> 00:04:57,440
course we are going to be relying on the

116
00:05:02,390 --> 00:04:59,280
russians and the soyuz vehicle to get up

117
00:05:04,469 --> 00:05:02,400
here to the space station

118
00:05:06,950 --> 00:05:04,479
yeah i think that's a great point i mean

119
00:05:10,550 --> 00:05:06,960
you know we we've been reporting a lot

120
00:05:13,510 --> 00:05:10,560
on spacex of course elon musk

121
00:05:15,830 --> 00:05:13,520
he wants uh spacex to replace russia as

122
00:05:18,230 --> 00:05:15,840
nasa's space station transport

123
00:05:21,749 --> 00:05:18,240
what's your take on how this develops as

124
00:05:24,230 --> 00:05:21,759
we see more and more commercial business

125
00:05:25,909 --> 00:05:24,240
going into space of course we spoke with

126
00:05:30,950 --> 00:05:25,919
richard branson who's doing the same

127
00:05:34,230 --> 00:05:32,870
uh we think it's a wonderful thing i

128
00:05:36,390 --> 00:05:34,240
mean the more people and the more

129
00:05:38,070 --> 00:05:36,400
opportunity to get into space it's just

130
00:05:40,230 --> 00:05:38,080
it's great for our nation it's great for

131
00:05:45,350 --> 00:05:40,240
the the earth and we're looking forward

132
00:05:49,590 --> 00:05:47,590
i guess i was reading uh one story

133
00:05:52,070 --> 00:05:49,600
earlier which really was amazing that

134
00:05:53,670 --> 00:05:52,080
you've got a greenhouse there growing

135
00:05:56,390 --> 00:05:53,680
lettuce

136
00:05:58,550 --> 00:05:56,400
what kind of things do you have in that

137
00:06:00,150 --> 00:05:58,560
regard in terms of

138
00:06:01,590 --> 00:06:00,160

let me let me show you what we're

139
00:06:04,309 --> 00:06:01,600
talking about the international space

140
00:06:07,270 --> 00:06:04,319
station's vegetable production system uh

141
00:06:11,670 --> 00:06:07,280
could give you your first taste of space

142
00:06:15,029 --> 00:06:13,270
well we just installed it today and i

143
00:06:16,710 --> 00:06:15,039
just put i guess i'd say i planted the

144
00:06:19,110 --> 00:06:16,720
lettuce today it was it was a fun

145
00:06:21,270 --> 00:06:19,120
experiment and got it going hopefully in

146
00:06:22,710 --> 00:06:21,280
a few weeks we'll have lettuce growing

147
00:06:24,870 --> 00:06:22,720
unfortunately we're not going to get to

148
00:06:27,029 --> 00:06:24,880
eat it because we have to take it and do

149
00:06:29,270 --> 00:06:27,039
a science on it and measure all sorts of

150
00:06:31,510 --> 00:06:29,280
things about it and measure the

151
00:06:33,749 --> 00:06:31,520
microbial contents and all these things

152
00:06:35,189 --> 00:06:33,759
so it's not for us to eat yet however if

153
00:06:39,350 --> 00:06:35,199
there's any left over we might get a

154
00:06:44,070 --> 00:06:41,670
that is just terrific gentlemen thank

155
00:06:46,950 --> 00:06:44,080
you so much for joining us and for your

156
00:06:49,749 --> 00:06:46,960
uh courage and and hard work nasa

157
00:06:51,670 --> 00:06:49,759
astronauts rick mastracchio and steve

158
00:06:55,510 --> 00:06:51,680
swanson joining us there from the

159
00:06:55,520 --> 00:06:59,029
thank you

160
00:07:03,749 --> 00:07:00,710
station this is houston acr that

161
00:07:05,510 --> 00:07:03,759
concludes the event thank you

162
00:07:07,110 --> 00:07:05,520
thank you fox business news station