



**SPACESTATION  
LIVE**

1  
00:00:08,950 --> 00:00:07,030  
right now scott kelly's seven months

2  
00:00:11,669 --> 00:00:08,960  
into his year-long mission on board the

3  
00:00:14,150 --> 00:00:11,679  
international space station uh getting

4  
00:00:16,710 --> 00:00:14,160  
in the habit of setting a few records uh

5  
00:00:19,429 --> 00:00:16,720  
during his time in space uh today scott

6  
00:00:22,550 --> 00:00:19,439  
kelly passing another american space

7  
00:00:24,470 --> 00:00:22,560  
flight record 215 days on a single

8  
00:00:27,429 --> 00:00:24,480  
mission this is actually a record that

9  
00:00:29,669 --> 00:00:27,439  
was set on by the expedition 14 crew so

10  
00:00:31,669 --> 00:00:29,679  
both scott kelly and mikano korninko

11  
00:00:34,069 --> 00:00:31,679  
breaking that record today

12  
00:00:36,389 --> 00:00:34,079  
that was set by former nasa astronaut

13  
00:00:38,389 --> 00:00:36,399

michael lopez alegria and russian

14

00:00:40,150 --> 00:00:38,399

cosmonaut mikhail turin

15

00:00:41,830 --> 00:00:40,160

my colleague rob navies was able to

16

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

catch up with lopez alegria from

17

00:00:45,750 --> 00:00:43,760

washington d.c where he currently works

18

00:00:47,549 --> 00:00:45,760

as an independent consultant so why

19

00:00:51,189 --> 00:00:47,559

don't we take a look

20

00:00:53,189 --> 00:00:51,199

215 days in space on your flight 213 of

21

00:00:54,389 --> 00:00:53,199

which were on the international space

22

00:00:56,549 --> 00:00:54,399

station

23

00:00:59,670 --> 00:00:56,559

did it seem like a marathon or did the

24

00:01:02,709 --> 00:00:59,680

time fly by how was it for you

25

00:01:05,189 --> 00:01:02,719

you know surprisingly it went by quickly

26

00:01:06,950 --> 00:01:05,199

i had flown three short duration

27

00:01:09,030 --> 00:01:06,960

missions on the shuttle before that and

28

00:01:10,870 --> 00:01:09,040

i was a little uh anxious about how it

29

00:01:13,590 --> 00:01:10,880

would be to have such a long flight

30

00:01:15,590 --> 00:01:13,600

afterward but the time really went by

31

00:01:17,510 --> 00:01:15,600

quickly and i think it's just the

32

00:01:19,590 --> 00:01:17,520

feeling of being part of a team and

33

00:01:21,350 --> 00:01:19,600

doing something that was important

34

00:01:23,270 --> 00:01:21,360

that obviously is there during a shuttle

35

00:01:25,830 --> 00:01:23,280

flight that really never went away on

36

00:01:26,789 --> 00:01:25,840

the station flight so it it went by very

37

00:01:28,550 --> 00:01:26,799

fast

38

00:01:31,270 --> 00:01:28,560

well as they say records are made to be

39

00:01:35,109 --> 00:01:31,280

broken uh scott kelly has uh

40

00:01:36,950 --> 00:01:35,119

whizzed by your 215 day mark uh what are

41

00:01:39,670 --> 00:01:36,960

we learning from these milestones that

42

00:01:42,630 --> 00:01:39,680

will be very important for nasa and for

43

00:01:45,350 --> 00:01:42,640

the future of human space flight

44

00:01:47,590 --> 00:01:45,360

rob as you know the iss is uh first and

45

00:01:49,030 --> 00:01:47,600

foremost the laboratory and one of the

46

00:01:51,429 --> 00:01:49,040

key things we're doing there is learning

47

00:01:52,469 --> 00:01:51,439

about human physiology as it adapts to

48

00:01:54,469 --> 00:01:52,479

zero g

49

00:01:56,149 --> 00:01:54,479

we have quite a few data points from

50

00:01:59,510 --> 00:01:56,159

folks that have been up there for around

51  
00:02:01,670 --> 00:01:59,520  
six months but um none beyond uh that or

52  
00:02:03,910 --> 00:02:01,680  
close to it at seven months so

53  
00:02:06,310 --> 00:02:03,920  
uh scott's gonna be obviously blazing

54  
00:02:09,029 --> 00:02:06,320  
new trails if we ever want to go to uh

55  
00:02:11,510 --> 00:02:09,039  
beyond low earth orbit to an asteroid or

56  
00:02:13,350 --> 00:02:11,520  
to mars it's going to be important to

57  
00:02:15,430 --> 00:02:13,360  
understand what the longer term longer

58  
00:02:18,070 --> 00:02:15,440  
than six month effects are

59  
00:02:19,670 --> 00:02:18,080  
also there's additional bonus that he's

60  
00:02:21,510 --> 00:02:19,680  
got his twin brother on the ground mark

61  
00:02:22,390 --> 00:02:21,520  
which is a really interesting

62  
00:02:24,229 --> 00:02:22,400  
possibility

63  
00:02:26,229 --> 00:02:24,239

to investigate things too so i think

64

00:02:29,030 --> 00:02:26,239

there's a lot of great medical science

65

00:02:31,509 --> 00:02:29,040

return from this mission from scott

66

00:02:34,150 --> 00:02:31,519

mike when you were on board some eight

67

00:02:35,270 --> 00:02:34,160

years ago the space station was half the

68

00:02:37,509 --> 00:02:35,280

size

69

00:02:39,350 --> 00:02:37,519

as it is today this mammoth city in the

70

00:02:42,229 --> 00:02:39,360

sky if you will

71

00:02:44,869 --> 00:02:42,239

even for seven months in space did you

72

00:02:46,869 --> 00:02:44,879

ever feel confined i know you did space

73

00:02:49,509 --> 00:02:46,879

walks you were able to stretch your legs

74

00:02:52,070 --> 00:02:49,519

as it were outside of the station from

75

00:02:54,070 --> 00:02:52,080

time to time but did you feel confined

76

00:02:56,550 --> 00:02:54,080

did you feel uh that you were missing

77

00:02:58,630 --> 00:02:56,560

something that you needed up there

78

00:03:00,470 --> 00:02:58,640

you know it was really surprising i mean

79

00:03:01,990 --> 00:03:00,480

you're right it is a relatively small

80

00:03:03,270 --> 00:03:02,000

volume but

81

00:03:05,430 --> 00:03:03,280

you know at the time there were only

82

00:03:07,430 --> 00:03:05,440

three of us on board and we would go the

83

00:03:10,309 --> 00:03:07,440

entire day sometimes without seeing each

84

00:03:11,990 --> 00:03:10,319

other except at meal times because even

85

00:03:14,070 --> 00:03:12,000

though it's relatively small we still

86

00:03:15,670 --> 00:03:14,080

had more than one module to ourselves

87

00:03:17,430 --> 00:03:15,680

and if you had a task

88

00:03:19,670 --> 00:03:17,440

that was sort of concentrated in one

89

00:03:22,149 --> 00:03:19,680

place and the others had one in their

90

00:03:23,750 --> 00:03:22,159

places and it was not unusual to go the

91

00:03:26,309 --> 00:03:23,760

entire day without seeing each other so

92

00:03:28,229 --> 00:03:26,319

it never really felt that um

93

00:03:30,149 --> 00:03:28,239

tight to me like the cabin fever that

94

00:03:31,509 --> 00:03:30,159

you might expect it was actually pretty

95

00:03:32,869 --> 00:03:31,519

comfortable

96

00:03:35,350 --> 00:03:32,879

you know the day is coming in the not

97

00:03:37,350 --> 00:03:35,360

too distant future when astronauts will

98

00:03:38,630 --> 00:03:37,360

be pressing much further out of low

99

00:03:41,990 --> 00:03:38,640

earth orbit

100

00:03:43,830 --> 00:03:42,000

to explore the stars and walk on mars

101  
00:03:46,470 --> 00:03:43,840  
talk about the space station as that

102  
00:03:47,910 --> 00:03:46,480  
waypoint a technology testbed if you

103  
00:03:50,149 --> 00:03:47,920  
will

104  
00:03:51,750 --> 00:03:50,159  
from which future technologies are being

105  
00:03:53,910 --> 00:03:51,760  
developed that will be applicable for

106  
00:03:55,990 --> 00:03:53,920  
the future

107  
00:03:57,670 --> 00:03:56,000  
well aside from the medical things that

108  
00:03:59,190 --> 00:03:57,680  
i described a little while ago you know

109  
00:04:02,229 --> 00:03:59,200  
we are using

110  
00:04:05,350 --> 00:04:02,239  
this platform as part of the proving

111  
00:04:08,149 --> 00:04:05,360  
ground so there's the near

112  
00:04:10,149 --> 00:04:08,159  
earth low earth orbit environment then

113  
00:04:12,550 --> 00:04:10,159

we'd like to expand that to cis lunar

114

00:04:14,390 --> 00:04:12,560

space and then finally go beyond

115

00:04:15,910 --> 00:04:14,400

you know on the way to mars or moon of

116

00:04:18,469 --> 00:04:15,920

mars eventually

117

00:04:20,150 --> 00:04:18,479

and so it is important not only to

118

00:04:22,310 --> 00:04:20,160

understand the human piece of it but

119

00:04:24,550 --> 00:04:22,320

also to develop the technologies

120

00:04:25,909 --> 00:04:24,560

particularly the life support things i

121

00:04:27,909 --> 00:04:25,919

mean what's

122

00:04:30,150 --> 00:04:27,919

nice in a way about the iss is if

123

00:04:31,830 --> 00:04:30,160

something breaks we have lots of spares

124

00:04:33,749 --> 00:04:31,840

and if we don't have something we can

125

00:04:36,469 --> 00:04:33,759

order it more or less

126  
00:04:38,710 --> 00:04:36,479  
from the ground that won't be the case

127  
00:04:40,870 --> 00:04:38,720  
on our way to mars we've got to really

128  
00:04:43,990 --> 00:04:40,880  
think about the reliability of the

129  
00:04:45,990 --> 00:04:44,000  
equipment and having the luxury to do

130  
00:04:48,150 --> 00:04:46,000  
that in low earth orbit is a great

131  
00:04:50,550 --> 00:04:48,160  
advantage with that i know we're taking

132  
00:04:52,790 --> 00:04:50,560  
advantage of now because of

133  
00:04:54,390 --> 00:04:52,800  
you know the sparing situation on the

134  
00:04:56,070 --> 00:04:54,400  
iss

135  
00:04:57,670 --> 00:04:56,080  
and as we talk about the future you

136  
00:04:59,909 --> 00:04:57,680  
can't talk about the future without

137  
00:05:02,150 --> 00:04:59,919  
talking about the youngsters of today

138  
00:05:04,870 --> 00:05:02,160

with their eyes on the sky who may one

139

00:05:07,590 --> 00:05:04,880

day be the first humans to walk on mars

140

00:05:08,629 --> 00:05:07,600

what would your advice to them be

141

00:05:10,950 --> 00:05:08,639

well look you know when i was an

142

00:05:12,710 --> 00:05:10,960

astronaut i used to say study math or

143

00:05:14,390 --> 00:05:12,720

science that's the way to become an

144

00:05:16,950 --> 00:05:14,400

astronaut i think that's changing a

145

00:05:18,629 --> 00:05:16,960

little bit and and i would not only say

146

00:05:20,550 --> 00:05:18,639

to study math and science which are

147

00:05:22,390 --> 00:05:20,560

obviously very important to be a

148

00:05:24,230 --> 00:05:22,400

professional career astronaut like we

149

00:05:26,469 --> 00:05:24,240

have at nasa but there are opportunities

150

00:05:27,990 --> 00:05:26,479

to fly in space that are coming up via

151

00:05:29,749 --> 00:05:28,000

commercial companies

152

00:05:31,830 --> 00:05:29,759

that really what's important is to be

153

00:05:34,310 --> 00:05:31,840

successful in order to be successful you

154

00:05:36,469 --> 00:05:34,320

have to do what you like to do so follow

155

00:05:39,270 --> 00:05:36,479

your dream if that's math or science

156

00:05:41,670 --> 00:05:39,280

fantastic if it's not that's okay too

157

00:05:44,469 --> 00:05:41,680

follow your dream do the best you can

158

00:05:47,029 --> 00:05:44,479

and that's the quickest way to the stars

159

00:05:49,029 --> 00:05:47,039

and mike age notwithstanding you're not

160

00:05:50,950 --> 00:05:49,039

an old guy where would you like to be

161

00:05:53,830 --> 00:05:50,960

right now in line for a trip to an

162

00:05:55,270 --> 00:05:53,840

asteroid or perhaps to mars

163

00:05:57,909 --> 00:05:55,280

first

164

00:06:01,590 --> 00:05:57,919

i mean look you know everybody uh i i've

165

00:06:03,590 --> 00:06:01,600

i was very fortunate and and felt um

166

00:06:05,670 --> 00:06:03,600

accomplished to have been able to fly as

167

00:06:07,350 --> 00:06:05,680

much as i did and it's appropriate for

168

00:06:08,710 --> 00:06:07,360

us to you know hand the baton to the

169

00:06:10,550 --> 00:06:08,720

next generation

170

00:06:12,550 --> 00:06:10,560

seeing guys like shell and you know

171

00:06:14,230 --> 00:06:12,560

scott's a little bit older than that but

172

00:06:15,830 --> 00:06:14,240

to some degree

173

00:06:18,710 --> 00:06:15,840

taking the baton and running with it is

174

00:06:21,189 --> 00:06:18,720

really great and i don't

175

00:06:22,870 --> 00:06:21,199

i would love to be in a situation to fly

176

00:06:24,950 --> 00:06:22,880

again but i'm content

177

00:06:26,469 --> 00:06:24,960

those of us that have moved on um to do

178

00:06:28,950 --> 00:06:26,479

different things in life

179

00:06:30,390 --> 00:06:28,960

so i salute those guys and the ones that

180

00:06:32,870 --> 00:06:30,400

are in the core the eight that would

181

00:06:35,590 --> 00:06:32,880

just join the astronaut corps at nasa

182

00:06:36,870 --> 00:06:35,600

especially and wish them well and as you

183

00:06:39,430 --> 00:06:36,880

say you know it's

184

00:06:41,510 --> 00:06:39,440

it's the the people the first people to

185

00:06:43,270 --> 00:06:41,520

walk on mars are probably alive right

186

00:06:44,469 --> 00:06:43,280

now and that's an exciting thing to

187

00:06:47,350 --> 00:06:44,479

consider

188

00:06:48,870 --> 00:06:47,360

mike lopez alegria from washington d.c i

189

00:06:50,150 --> 00:06:48,880

want to thank you for your time today

190

00:06:51,670 --> 00:06:50,160

it's always great to talk to you and