



**SPACESTATION  
LIVE**

1  
00:00:07,829 --> 00:00:06,230  
just three crew members on board the

2  
00:00:09,990 --> 00:00:07,839  
station right now but that's going to

3  
00:00:11,830 --> 00:00:10,000  
change by the end of this week as three

4  
00:00:13,350 --> 00:00:11,840  
additional crew members getting ready to

5  
00:00:15,509 --> 00:00:13,360  
launch to the international space

6  
00:00:17,670 --> 00:00:15,519  
station tomorrow evening

7  
00:00:20,390 --> 00:00:17,680  
u.s time as nasa's jeff williams and

8  
00:00:22,950 --> 00:00:20,400  
russian cosmonauts oleg skripochka and

9  
00:00:24,630 --> 00:00:22,960  
alexi of chenan are in the final stages

10  
00:00:26,950 --> 00:00:24,640  
of getting ready for their liftoff from

11  
00:00:29,509 --> 00:00:26,960  
baikonur just before

12  
00:00:31,750 --> 00:00:29,519  
jeff williams headed down to kazakhstan

13  
00:00:34,709 --> 00:00:31,760

from star city the training base in

14

00:00:36,790 --> 00:00:34,719

russia my colleague pat ryan was able to

15

00:00:38,630 --> 00:00:36,800

talk to williams asking him how he was

16

00:00:40,310 --> 00:00:38,640

doing and if he felt ready for his trip

17

00:00:42,549 --> 00:00:40,320

to the space station

18

00:00:44,389 --> 00:00:42,559

yeah i feel very ready to be

19

00:00:46,790 --> 00:00:44,399

going back to the space station the the

20

00:00:49,910 --> 00:00:46,800

training process that we have is very

21

00:00:52,229 --> 00:00:49,920

good it's uh very mature now we've we've

22

00:00:54,470 --> 00:00:52,239

i think made it more effective and

23

00:00:56,310 --> 00:00:54,480

efficient over the years

24

00:00:59,189 --> 00:00:56,320

and it continues to be improved all the

25

00:01:01,990 --> 00:00:59,199

time so i feel very prepared to go

26  
00:01:04,070 --> 00:01:02,000  
i am very confident that my crewmates

27  
00:01:06,390 --> 00:01:04,080  
are are prepared and ready to go and

28  
00:01:07,350 --> 00:01:06,400  
we're looking forward to uh to a great

29  
00:01:08,710 --> 00:01:07,360  
mission

30  
00:01:11,109 --> 00:01:08,720  
tell me about what you're looking

31  
00:01:13,109 --> 00:01:11,119  
forward to whether it's operational

32  
00:01:14,469 --> 00:01:13,119  
highlights or or some special

33  
00:01:16,469 --> 00:01:14,479  
experiments that you're going to work on

34  
00:01:17,830 --> 00:01:16,479  
this time

35  
00:01:19,910 --> 00:01:17,840  
well this will be the first time that

36  
00:01:22,550 --> 00:01:19,920  
i'm not engaged with the assembly of the

37  
00:01:23,990 --> 00:01:22,560  
space station as as you know it's long

38  
00:01:26,149 --> 00:01:24,000

been complete

39

00:01:28,149 --> 00:01:26,159

so now it's in full utilization mode so

40

00:01:30,550 --> 00:01:28,159

i'm looking forward to this to

41

00:01:33,350 --> 00:01:30,560

experience in the space station in that

42

00:01:35,190 --> 00:01:33,360

phase of its uh lifetime uh of course we

43

00:01:39,030 --> 00:01:35,200

have a wide variety of experiments that

44

00:01:41,109 --> 00:01:39,040

we're anticipating uh to include uh

45

00:01:42,630 --> 00:01:41,119

experiments from across the spectrum of

46

00:01:44,149 --> 00:01:42,640

the different science

47

00:01:46,789 --> 00:01:44,159

disciplines

48

00:01:48,950 --> 00:01:46,799

i'm looking forward in particular to

49

00:01:51,590 --> 00:01:48,960

some of the experiments that

50

00:01:53,429 --> 00:01:51,600

our studies of the human body

51  
00:01:55,429 --> 00:01:53,439  
and to understand the effects of the

52  
00:01:57,910 --> 00:01:55,439  
environment on the human body so that we

53  
00:01:59,590 --> 00:01:57,920  
can develop countermeasures to support

54  
00:02:01,429 --> 00:01:59,600  
future exploration

55  
00:02:03,830 --> 00:02:01,439  
i'm looking forward also to a couple of

56  
00:02:05,030 --> 00:02:03,840  
planned spacewalks that we have later in

57  
00:02:07,749 --> 00:02:05,040  
the summer

58  
00:02:10,790 --> 00:02:07,759  
one day to integrate a docking adapter

59  
00:02:11,830 --> 00:02:10,800  
to the space station so in preparation

60  
00:02:13,910 --> 00:02:11,840  
for

61  
00:02:17,350 --> 00:02:13,920  
the future commercial

62  
00:02:20,150 --> 00:02:17,360  
crude vehicles that are planned to fly

63  
00:02:22,710 --> 00:02:20,160

in the next few years to rotate

64

00:02:23,990 --> 00:02:22,720

crews from american soil so i'm looking

65

00:02:25,430 --> 00:02:24,000

forward to that

66

00:02:28,150 --> 00:02:25,440

of course this will be a new crew

67

00:02:30,869 --> 00:02:28,160

combination that i'm flying with

68

00:02:33,589 --> 00:02:30,879

and uh that's always good i've counted

69

00:02:35,270 --> 00:02:33,599

it up recently and i think i've been on

70

00:02:38,470 --> 00:02:35,280

orbit

71

00:02:39,350 --> 00:02:38,480

at the space station with 45 different

72

00:02:41,509 --> 00:02:39,360

people

73

00:02:43,270 --> 00:02:41,519

over the years both my crewmates on the

74

00:02:44,070 --> 00:02:43,280

station crews as well as the shuttle

75

00:02:48,229 --> 00:02:44,080

crew

76  
00:02:50,390 --> 00:02:48,239  
have come to the space station while

77  
00:02:51,750 --> 00:02:50,400  
i've been there so this will add a few

78  
00:02:54,070 --> 00:02:51,760  
more folks

79  
00:02:56,630 --> 00:02:54,080  
to that to that list

80  
00:02:58,390 --> 00:02:56,640  
and it's been a real highlight of my

81  
00:03:00,790 --> 00:02:58,400  
career in my life

82  
00:03:03,509 --> 00:03:00,800  
to be able to share this magnificent

83  
00:03:04,949 --> 00:03:03,519  
experience with with those folks

84  
00:03:07,750 --> 00:03:04,959  
you're about to become the first

85  
00:03:09,910 --> 00:03:07,760  
american to launch on a third long

86  
00:03:12,470 --> 00:03:09,920  
duration mission to this station

87  
00:03:15,350 --> 00:03:12,480  
does getting ready for it get easier as

88  
00:03:20,869 --> 00:03:18,309

uh it gets easier maybe in that there's

89

00:03:22,949 --> 00:03:20,879

no surprises in the process

90

00:03:25,509 --> 00:03:22,959

you're just repeating the preparations

91

00:03:28,949 --> 00:03:25,519

getting mostly refresher trained

92

00:03:32,710 --> 00:03:28,959

on all of the different elements

93

00:03:34,470 --> 00:03:32,720

i would so far it hasn't been

94

00:03:37,350 --> 00:03:34,480

as challenging

95

00:03:39,830 --> 00:03:37,360

as say the previous ones in just in

96

00:03:41,509 --> 00:03:39,840

personal preparations

97

00:03:43,990 --> 00:03:41,519

knowing that my wife and family are

98

00:03:45,509 --> 00:03:44,000

ready to be separated from me and

99

00:03:46,470 --> 00:03:45,519

of course me getting ready to be

100

00:03:48,309 --> 00:03:46,480

separated

101  
00:03:50,309 --> 00:03:48,319  
from them i think my wife is well

102  
00:03:53,030 --> 00:03:50,319  
trained in this as well

103  
00:03:54,550 --> 00:03:53,040  
and i appreciate the the support that

104  
00:03:55,830 --> 00:03:54,560  
she's been over the years and in

105  
00:03:58,229 --> 00:03:55,840  
particular

106  
00:04:00,630 --> 00:03:58,239  
as we approach

107  
00:04:01,830 --> 00:04:00,640  
the beginning of of doing this all over

108  
00:04:03,990 --> 00:04:01,840  
again

109  
00:04:06,550 --> 00:04:04,000  
your experience on board this station

110  
00:04:09,509 --> 00:04:06,560  
goes back to a shuttle mission that flew

111  
00:04:11,830 --> 00:04:09,519  
before expedition one did

112  
00:04:14,710 --> 00:04:11,840  
are you finding yourself becoming a part

113  
00:04:16,710 --> 00:04:14,720

of the history of this project well i've

114

00:04:20,229 --> 00:04:16,720

always felt

115

00:04:22,310 --> 00:04:20,239

the awareness of being privileged to be

116

00:04:24,790 --> 00:04:22,320

part of history in the making with this

117

00:04:26,790 --> 00:04:24,800

program and space exploration in general

118

00:04:27,749 --> 00:04:26,800

i think

119

00:04:30,469 --> 00:04:27,759

will

120

00:04:33,270 --> 00:04:30,479

give each of us that perspective

121

00:04:34,150 --> 00:04:33,280

uh but you're right um it has occurred

122

00:04:36,790 --> 00:04:34,160

to me

123

00:04:38,710 --> 00:04:36,800

in a more significant way in recent

124

00:04:40,870 --> 00:04:38,720

months in particular

125

00:04:42,469 --> 00:04:40,880

that i've been privileged to be part of

126

00:04:44,950 --> 00:04:42,479

the building of the space station from

127

00:04:47,110 --> 00:04:44,960

beginning all the way until now through

128

00:04:49,350 --> 00:04:47,120

the full utilization

129

00:04:52,629 --> 00:04:49,360

mode and it has been just

130

00:04:54,150 --> 00:04:52,639

an amazing undertaking an amazing human

131

00:04:56,390 --> 00:04:54,160

achievement that

132

00:04:59,030 --> 00:04:56,400

none of us of course take for granted

133

00:05:02,550 --> 00:04:59,040

um the the people that i've had an

134

00:05:04,710 --> 00:05:02,560

opportunity over the uh 20 years now uh

135

00:05:06,950 --> 00:05:04,720

to work with uh

136

00:05:09,029 --> 00:05:06,960

in this endeavor literally hundreds and

137

00:05:11,430 --> 00:05:09,039

perhaps thousands of people

138

00:05:14,629 --> 00:05:11,440

directly and indirectly certainly in the

139

00:05:16,550 --> 00:05:14,639

thousands and ten tens of thousands and

140

00:05:18,230 --> 00:05:16,560

in this international partnership it's

141

00:05:20,070 --> 00:05:18,240

been a privilege to work with the folks

142

00:05:22,950 --> 00:05:20,080

and to continue to work with them

143

00:05:24,550 --> 00:05:22,960

there's no place that i've seen in my

144

00:05:28,310 --> 00:05:24,560

lifetime

145

00:05:30,230 --> 00:05:28,320

that has a work environment like we have

146

00:05:31,430 --> 00:05:30,240

where we're all on a team we're all

147

00:05:33,670 --> 00:05:31,440

focused on

148

00:05:36,550 --> 00:05:33,680

a mission we're all here because we

149

00:05:37,670 --> 00:05:36,560

believe it's important for the people of

150

00:05:39,430 --> 00:05:37,680

earth

151  
00:05:41,590 --> 00:05:39,440  
and it's just been a great privilege to

152  
00:05:43,670 --> 00:05:41,600  
be a part of that tell me about how you

153  
00:05:46,310 --> 00:05:43,680  
plan to take advantage of the station's

154  
00:05:48,790 --> 00:05:46,320  
communications capabilities and social

155  
00:05:52,070 --> 00:05:48,800  
media to share what you're doing up

156  
00:05:53,990 --> 00:05:52,080  
there and what you see out the window

157  
00:05:57,430 --> 00:05:54,000  
well the social media course is a big

158  
00:06:00,469 --> 00:05:57,440  
part of most people's world nowadays

159  
00:06:02,950 --> 00:06:00,479  
and i plan on using that with a help

160  
00:06:05,670 --> 00:06:02,960  
from a few folks in houston

161  
00:06:07,110 --> 00:06:05,680  
who are helping me do the actual posting

162  
00:06:08,230 --> 00:06:07,120  
and maybe integrating some of the

163  
00:06:10,710 --> 00:06:08,240

elements

164

00:06:13,110 --> 00:06:10,720

but i'm doing most of the writing

165

00:06:15,189 --> 00:06:13,120

virtually all of the writing

166

00:06:17,350 --> 00:06:15,199

and trying to to

167

00:06:19,510 --> 00:06:17,360

present some products from my previous

168

00:06:21,029 --> 00:06:19,520

flights as well as making videos as we

169

00:06:23,909 --> 00:06:21,039

go along here

170

00:06:27,430 --> 00:06:23,919

to bring people along on the journey

171

00:06:31,309 --> 00:06:27,440

one and also to uh to attempt to

172

00:06:33,189 --> 00:06:31,319

remind folks of the significance of this

173

00:06:35,670 --> 00:06:33,199

accomplishment that we call the

174

00:06:38,950 --> 00:06:35,680

international space station orbiting the

175

00:06:42,230 --> 00:06:38,960

earth continually and now with a human

176  
00:06:44,230 --> 00:06:42,240  
presence that's been continuous longer

177  
00:06:45,830 --> 00:06:44,240  
than 15 years

178  
00:06:47,990 --> 00:06:45,840  
looking forward to riding that soyuz

179  
00:06:50,070 --> 00:06:48,000  
again

180  
00:06:52,469 --> 00:06:50,080  
i am looking forward to it every rocket

181  
00:06:53,189 --> 00:06:52,479  
ride is of course stands alone and it's

182  
00:06:58,230 --> 00:06:53,199  
uh

183  
00:06:59,350 --> 00:06:58,240  
elements of it i mean it's still

184  
00:07:03,749 --> 00:06:59,360  
amazing

185  
00:07:05,990 --> 00:07:03,759  
everybody i talked to that

186  
00:07:08,390 --> 00:07:06,000  
you launch off the pad in less than nine

187  
00:07:10,469 --> 00:07:08,400  
minutes later you're in orbit going that

188  
00:07:13,110 --> 00:07:10,479

orbital velocity

189

00:07:14,870 --> 00:07:13,120

around the earth every 90 minutes

190

00:07:16,790 --> 00:07:14,880

by the time you get back home to houston

191

00:07:18,870 --> 00:07:16,800

you'll have been away for seven months

192

00:07:20,790 --> 00:07:18,880

or so on top of all the time that you've

193

00:07:22,309 --> 00:07:20,800

spent away from home to train for this

194

00:07:23,990 --> 00:07:22,319

flight

195

00:07:26,550 --> 00:07:24,000

tell me why you think what we're going

196

00:07:30,150 --> 00:07:26,560

to learn on this space station is worth

197

00:07:31,830 --> 00:07:30,160

making that kind of sacrifice

198

00:07:34,469 --> 00:07:31,840

well um

199

00:07:36,950 --> 00:07:34,479

i think that uh we're all called in life

200

00:07:38,710 --> 00:07:36,960

to uh to a purpose that's greater than

201  
00:07:41,510 --> 00:07:38,720  
ourselves and i just

202  
00:07:43,909 --> 00:07:41,520  
happen to be privileged uh with this

203  
00:07:45,909 --> 00:07:43,919  
calling in life

204  
00:07:48,869 --> 00:07:45,919  
and it is a great privilege to be part

205  
00:07:51,510 --> 00:07:48,879  
of this to be part of such an endeavor

206  
00:07:54,869 --> 00:07:51,520  
as the international space station

207  
00:07:56,710 --> 00:07:54,879  
certainly i think history has shown that

208  
00:08:00,309 --> 00:07:56,720  
the history of civilization is the

209  
00:08:02,790 --> 00:08:00,319  
history of of discovery and exploration

210  
00:08:04,629 --> 00:08:02,800  
and trying to expand the boundaries that

211  
00:08:07,270 --> 00:08:04,639  
we're currently living in and space

212  
00:08:09,029 --> 00:08:07,280  
exploration is is no different and this

213  
00:08:11,029 --> 00:08:09,039

chapter that we call the international

214

00:08:13,029 --> 00:08:11,039

space station is certainly a significant

215

00:08:14,950 --> 00:08:13,039

step forward in that so it's a a

216

00:08:17,510 --> 00:08:14,960

privilege to be part of it

217

00:08:20,150 --> 00:08:17,520

it's a platform where we will

218

00:08:21,990 --> 00:08:20,160

continue to develop the technologies and

219

00:08:24,629 --> 00:08:22,000

the capabilities

220

00:08:27,430 --> 00:08:24,639

that will enable future exploration so

221

00:08:30,150 --> 00:08:27,440

it's a significant chapter in that book

222

00:08:32,070 --> 00:08:30,160

of space exploration

223

00:08:35,190 --> 00:08:32,080

jeff thanks for the talk have a good