1
00:00:09,430 --> 00:00:03,110
station this is houston officially are

2
00:00:09,440 --> 00:00:13,509
houston this is station we're ready

3
00:00:17,269 --> 00:00:15,350
voice of america this is houston please

4
00:00:19,269 --> 00:00:17,279
call station for a voice check

5
00:00:23,509 --> 00:00:19,279
station this is voice of america how do

6
00:00:26,310 --> 00:00:24,710
voice of america this is the

7
00:00:28,230 --> 00:00:26,320
international space station we hear you

8
00:00:29,910 --> 00:00:28,240
loud and clear welcome aboard

9
00:00:34,709 --> 00:00:29,920
thanks very much i take it this is

10
00:00:38,950 --> 00:00:36,950
this is wheels yes doug wheelock aboard

11
00:00:40,310 --> 00:00:38,960
the space station welcome great thank

12
00:00:41,830 --> 00:00:40,320
you very much

13
00:00:43,670 --> 00:00:41,840

well thank you all for your time this

14
00:00:45,270 --> 00:00:43,680
morning and actually my first question

15
00:00:46,709 --> 00:00:45,280
is for scott

16
00:00:49,190 --> 00:00:46,719
um when i spoke to your fellow

17
00:00:51,110 --> 00:00:49,200
astronauts a few weeks ago they said it

18
00:00:53,670 --> 00:00:51,120
takes about three to four weeks for your

19
00:00:55,189 --> 00:00:53,680
body to adjust to life on the station

20
00:01:00,790 --> 00:00:55,199
and i was wondering how are you

21
00:01:04,149 --> 00:01:02,470
you know i think i've been up here i

22
00:01:07,590 --> 00:01:04,159
think it might be three weeks today

23
00:01:09,429 --> 00:01:07,600
actually and uh i feel uh really good i

24
00:01:10,310 --> 00:01:09,439
think

25
00:01:13,990 --> 00:01:10,320
i

26
00:01:16,310 --> 00:01:14,000
week ago

27
00:01:18,390 --> 00:01:16,320
where i felt like maybe i wouldn't feel

28
00:01:20,710 --> 00:01:18,400
any differently two or three or four

29
00:01:22,870 --> 00:01:20,720
weeks from now but uh

30
00:01:25,990 --> 00:01:22,880
i would imagine i'll still continue to

31
00:01:27,670 --> 00:01:26,000
improve a little bit but so far so good

32
00:01:34,710 --> 00:01:27,680
what are some of the oddities that you

33
00:01:34,720 --> 00:01:39,510
you mean besides my fellow crew members

34
00:01:39,520 --> 00:01:45,270
yes besides your fellow crew members

35
00:01:50,550 --> 00:01:47,910
well you know uh my first two previous

36
00:01:52,149 --> 00:01:50,560
flights were on a space shuttle and they

37
00:01:54,069 --> 00:01:52,159
were short the race flights and one

38
00:01:56,310 --> 00:01:54,079

thing i noticed there was that if i

39
00:01:58,630 --> 00:01:56,320
turned upside down inside the space

40
00:02:01,510 --> 00:01:58,640
shuttle for instance it would take some

41
00:02:03,830 --> 00:02:01,520
time maybe like five minutes before my

42
00:02:06,069 --> 00:02:03,840
reference frame shifted to where now the

43
00:02:08,469 --> 00:02:06,079
the ceiling was the floor

44
00:02:11,190 --> 00:02:08,479
and and vice versa but you know after

45
00:02:12,869 --> 00:02:11,200
being up here for a few weeks now it's

46
00:02:15,350 --> 00:02:12,879
interesting to note that if i you know

47
00:02:16,390 --> 00:02:15,360
flip 180 degrees around i can notice the

48
00:02:18,949 --> 00:02:16,400
instant

49
00:02:21,990 --> 00:02:18,959
where that reference frame changes

50
00:02:23,910 --> 00:02:22,000
and all of a sudden you know i feel like

51
00:02:25,510 --> 00:02:23,920
you know the the ceiling is the floor or

52
00:02:28,710 --> 00:02:25,520
vice versa so it's interesting to see

53
00:02:29,910 --> 00:02:28,720
the difference from being up here for uh

54
00:02:31,670 --> 00:02:29,920
you know uh

55
00:02:33,030 --> 00:02:31,680
more time than just a normal shuttle

56
00:02:34,790 --> 00:02:33,040
flight

57
00:02:37,110 --> 00:02:34,800
and speaking of shuttles you guys have

58
00:02:38,470 --> 00:02:37,120
the discovery heading up to you um

59
00:02:40,790 --> 00:02:38,480
coming up on

60
00:02:43,030 --> 00:02:40,800
sorry blasting off on monday and i know

61
00:02:45,190 --> 00:02:43,040
it's bringing with it the final unit

62
00:02:47,270 --> 00:02:45,200
sorry the final us component of the

63
00:02:49,030 --> 00:02:47,280

space station how do you guys feel about

64
00:02:50,630 --> 00:02:49,040
the fact that the space station or at

65
00:02:55,190 --> 00:02:50,640
least the u.s portion of it is about to

66
00:02:58,630 --> 00:02:56,790
hi this is shannon i think we're all

67
00:03:00,869 --> 00:02:58,640
very excited about the completion of the

68
00:03:02,710 --> 00:03:00,879
u.s side of the space station

69
00:03:04,630 --> 00:03:02,720
it's it's essentially completed now in

70
00:03:06,949 --> 00:03:04,640
terms of laboratory space and so with

71
00:03:07,990 --> 00:03:06,959
the the final closet being put on we'll

72
00:03:09,110 --> 00:03:08,000
have

73
00:03:14,470 --> 00:03:09,120
a

74
00:03:15,670 --> 00:03:14,480
down to the business of doing science

75
00:03:17,350 --> 00:03:15,680
which is what the space station's all

76
00:03:18,949 --> 00:03:17,360
about

77
00:03:21,430 --> 00:03:18,959
and actually discovery's bringing one

78
00:03:23,110 --> 00:03:21,440
other piece robonaut 2 and i was

79
00:03:25,030 --> 00:03:23,120
wondering what your thoughts are about

80
00:03:34,710 --> 00:03:25,040
interacting with the first humanoid

81
00:03:37,830 --> 00:03:36,229
well we're going to wait and see if how

82
00:03:39,750 --> 00:03:37,840
we how he blends in and see if he's a

83
00:03:41,670 --> 00:03:39,760
good neighbor with us but we're looking

84
00:03:43,350 --> 00:03:41,680
forward to uh to working with our

85
00:03:44,550 --> 00:03:43,360
engineers on the ground that have

86
00:03:46,949 --> 00:03:44,560
developed this

87
00:03:49,270 --> 00:03:46,959
robonaut and uh and just to see what its

88
00:03:51,990 --> 00:03:49,280

capacity is and how it can assist us on

89
00:03:55,429 --> 00:03:52,000
board and uh so we're excited to uh to

90
00:03:57,750 --> 00:03:55,439
welcome our new crew member aboard

91
00:04:00,149 --> 00:03:57,760
and i i know that some of you tweet and

92
00:04:07,990 --> 00:04:00,159
i was wondering um if any of you follow

93
00:04:14,229 --> 00:04:11,670
hey this is astrowheels on twitter

94
00:04:16,870 --> 00:04:14,239
i have not been able to do that just a

95
00:04:20,310 --> 00:04:16,880
matter of matter of time really and

96
00:04:22,550 --> 00:04:20,320
i i understand that he's been tweeting

97
00:04:24,310 --> 00:04:22,560
it's been tweeting and

98
00:04:27,670 --> 00:04:24,320
and but i haven't had a chance to look

99
00:04:31,990 --> 00:04:29,670
and what are your thoughts um with it

100
00:04:34,390 --> 00:04:32,000
being discovery's last mission what are

101
00:04:35,990 --> 00:04:34,400
your thoughts about the future of nasa

102
00:04:41,990 --> 00:04:36,000
and the future of space flight and that

103
00:04:46,310 --> 00:04:44,230
well it is it is sad in a way to see the

104
00:04:48,390 --> 00:04:46,320
shuttle uh um uh

105
00:04:50,150 --> 00:04:48,400
us moving out of the shuttle era and uh

106
00:04:53,030 --> 00:04:50,160
saying goodbye to discovery for the last

107
00:04:56,150 --> 00:04:53,040
time and uh it is a little sad but uh

108
00:04:59,030 --> 00:04:56,160
change is not always a bad thing for us

109
00:05:00,870 --> 00:04:59,040
moving on as an agency of course now the

110
00:05:03,510 --> 00:05:00,880
the space station will take a center

111
00:05:06,230 --> 00:05:03,520
stage pretty much as our as our orbiting

112
00:05:09,189 --> 00:05:06,240
laboratory and it'll will happen in full

113
00:05:11,830 --> 00:05:09,199

utilization bringing back the science

114
00:05:13,270 --> 00:05:11,840
to earth that we originally planned for

115
00:05:15,830 --> 00:05:13,280
for the space station and we'll look

116
00:05:17,990 --> 00:05:15,840
forward to uh to a future vehicle that

117
00:05:20,070 --> 00:05:18,000
will take us a little bit further into

118
00:05:21,990 --> 00:05:20,080
space and help us discover more things

119
00:05:24,150 --> 00:05:22,000
and i think we've got a very very

120
00:05:25,110 --> 00:05:24,160
exciting future for our kids that lay

121
00:05:26,550 --> 00:05:25,120
ahead

122
00:05:28,310 --> 00:05:26,560
for us and

123
00:05:32,629 --> 00:05:28,320
and it's going to be exciting to see

124
00:05:40,950 --> 00:05:34,150
anyone else want to take that question

125
00:05:45,430 --> 00:05:43,350
well uh certainly i agree with uh uh

126
00:05:48,790 --> 00:05:45,440
wheels here on um

127
00:05:50,550 --> 00:05:48,800
you know we're we're a little bit uh sad

128
00:05:51,990 --> 00:05:50,560
uh as we

129
00:05:53,830 --> 00:05:52,000
look towards the end of the space

130
00:05:55,749 --> 00:05:53,840
shuttle program and but you know i think

131
00:05:57,749 --> 00:05:55,759
we need to re reflect back on its

132
00:05:58,790 --> 00:05:57,759
successes it's been an amazing uh

133
00:05:59,990 --> 00:05:58,800
vehicle

134
00:06:02,550 --> 00:06:00,000
um

135
00:06:04,710 --> 00:06:02,560
very very uh you know sophisticated to

136
00:06:06,230 --> 00:06:04,720
can do a bunch of different missions but

137
00:06:07,909 --> 00:06:06,240
you know we want to move away from low

138
00:06:09,590 --> 00:06:07,919

earth orbit and the shuttle it's

139
00:06:12,550 --> 00:06:09,600
impossible to do that with the space

140
00:06:14,629 --> 00:06:12,560
shuttle so in today's uh

141
00:06:15,990 --> 00:06:14,639
you know fiscal environment if we if we

142
00:06:18,070 --> 00:06:16,000
decide to do

143
00:06:20,550 --> 00:06:18,080
uh you know to start a new program

144
00:06:23,510 --> 00:06:20,560
unfortunately we have to retire another

145
00:06:27,990 --> 00:06:23,520
one so a little bit sad but it's very

146
00:06:28,000 --> 00:06:32,950
and shannon

147
00:06:37,189 --> 00:06:35,350
i'm not sure i have much to add to uh

148
00:06:39,430 --> 00:06:37,199
what wilson scott have already said it

149
00:06:42,469 --> 00:06:39,440
it is it is of course sad but i also

150
00:06:44,150 --> 00:06:42,479
understand the necessity of um ending

151
00:06:46,070 --> 00:06:44,160
the shuttle program so we can go do

152
00:06:47,510 --> 00:06:46,080
other things and and i think we do need

153
00:06:48,390 --> 00:06:47,520
to do those other things i think we need

154
00:06:50,629 --> 00:06:48,400
to do them

155
00:06:52,629 --> 00:06:50,639
for humankind and i look forward to

156
00:06:54,309 --> 00:06:52,639
being a part of it

157
00:06:56,309 --> 00:06:54,319
and shannon what

158
00:06:58,150 --> 00:06:56,319
i know right now that you're acting as a

159
00:06:59,749 --> 00:06:58,160
human test subject among conducting

160
00:07:01,270 --> 00:06:59,759
other research is there a particular

161
00:07:05,909 --> 00:07:01,280
project you're most excited about that

162
00:07:09,990 --> 00:07:08,230
i actually like some of the nutrition

163
00:07:11,670 --> 00:07:10,000

studies that we're doing we've known for

164
00:07:13,749 --> 00:07:11,680
a long time how

165
00:07:16,230 --> 00:07:13,759
being in space for long duration affects

166
00:07:17,110 --> 00:07:16,240
your muscle mass and your bone density

167
00:07:18,790 --> 00:07:17,120
and

168
00:07:21,270 --> 00:07:18,800
there's been a lot more research on the

169
00:07:23,189 --> 00:07:21,280
ground that looks at tweaking people's

170
00:07:25,029 --> 00:07:23,199
nutrition that can actually have a

171
00:07:26,870 --> 00:07:25,039
positive or negative effect on a

172
00:07:28,629 --> 00:07:26,880
person's bone density and so being part

173
00:07:30,309 --> 00:07:28,639
of those some of those studies i think

174
00:07:32,150 --> 00:07:30,319
is is very interesting to me because

175
00:07:33,749 --> 00:07:32,160
it's perhaps a simple solution to some

176
00:07:36,230 --> 00:07:33,759
of the problems we have

177
00:07:38,950 --> 00:07:36,240
with osteoporosis and other other issues

178
00:07:40,469 --> 00:07:38,960
facing us on the ground

179
00:07:42,309 --> 00:07:40,479
well great thank you all so much for

180
00:07:43,589 --> 00:07:42,319
your time today and for all your efforts

181
00:07:44,710 --> 00:07:43,599
up there and

182
00:07:48,550 --> 00:07:44,720
good luck to you with the rest of your

183
00:07:52,230 --> 00:07:50,230
well voice of america thank you so much

184
00:07:53,670 --> 00:07:52,240
for joining us it's great to spend time

185
00:07:54,469 --> 00:07:53,680
with you and have a great rest of the

186
00:07:56,790 --> 00:07:54,479
week

187
00:07:57,670 --> 00:07:56,800
you too

188
00:07:59,589 --> 00:07:57,680

you