
PAO

1
00:00:02,686 --> 00:00:05,086
>> Kyle Herring: We want to
join -- welcome, that is,

2
00:00:05,086 --> 00:00:08,036
Mike Fincke to the
Public Affairs Council.

3
00:00:08,876 --> 00:00:12,436
Mike's no stranger not only
to mission control here,

4
00:00:12,866 --> 00:00:14,516
but certainly up in space.

5
00:00:14,516 --> 00:00:16,026
He's flown three times,

6
00:00:16,026 --> 00:00:18,846
two of those quite
long-duration flights.

7
00:00:18,846 --> 00:00:19,966
But then the shorter flight.

8
00:00:19,966 --> 00:00:22,076
But he was on space
shuttle Endeavor.

9
00:00:22,076 --> 00:00:24,746
We talked with Trent Martin
just a few minutes ago,

10
00:00:24,746 --> 00:00:26,486
and Mike had just arrived.

11
00:00:26,486 --> 00:00:27,836
So welcome, Mike.

12
00:00:27,836 --> 00:00:28,736
It's good to have you here.

13
00:00:28,966 --> 00:00:29,726
>> Mike Fincke: Well,
thanks, Kyle.

14
00:00:29,726 --> 00:00:31,676
It's always great to be here
in Mission Control Center.

15
00:00:31,846 --> 00:00:32,106
>> Kyle Herring: Yeah
[brief laughter].

16
00:00:32,756 --> 00:00:35,436
Mike and I actually
go back quite a bit.

17
00:00:35,436 --> 00:00:38,016
We got to know each other
pretty well in Moscow.

18
00:00:38,266 --> 00:00:42,666
Not to date us, but we were
there in 1998 for a long time.

19
00:00:42,716 --> 00:00:43,966
>> Mike Fincke: Yeah, we were
getting the Space Station

20
00:00:43,966 --> 00:00:45,036
started to be built.

21
00:00:45,036 --> 00:00:48,396
And it's great to see it up
there today fully constructed.

22
00:00:48,486 --> 00:00:49,506

>> Kyle Herring:
How does it feel?

23
00:00:49,686 --> 00:00:51,966
It's been, what, 14 years.

24
00:00:51,966 --> 00:00:52,786
I don't even want to say.

25
00:00:52,786 --> 00:00:54,436
Fourteen, fifteen years now.

26
00:00:54,666 --> 00:00:58,626
But can you imagine that 15
years later you will helping

27
00:00:58,626 --> 00:01:01,496
with all of the processes
that got us to this point.

28
00:01:02,066 --> 00:01:05,006
And now you've flown on this
station two long flights

29
00:01:05,006 --> 00:01:08,366
and a shuttle flight, but
you've been there three times.

30
00:01:08,656 --> 00:01:10,476
>> Mike Fincke: Well, it's
great sense of accomplishment,

31
00:01:10,476 --> 00:01:11,916
I think, the whole
team should feel.

32
00:01:12,046 --> 00:01:14,306
I mean, it was a dream
to have a space station.

33
00:01:14,306 --> 00:01:16,696
Even watching the movie
"2001" and everything.

34
00:01:16,696 --> 00:01:19,216
And, you know, here at
NASA and with working

35
00:01:19,216 --> 00:01:21,156
with our international
partners, we have a great team.

36
00:01:21,156 --> 00:01:22,266
And we built it.

37
00:01:22,566 --> 00:01:23,296
It's amazing.

38
00:01:23,686 --> 00:01:24,836
Dreams to reality,
Kyle [brief laughter].

39
00:01:24,966 --> 00:01:26,176
>> Kyle Herring: Yeah, no
kidding [brief laughter].

40
00:01:26,176 --> 00:01:27,976
Three hundred and
eighty-one days in space.

41
00:01:27,976 --> 00:01:33,076
That's well over a year of
continuous space flight,

42
00:01:33,076 --> 00:01:34,546
at least on those three flights.

43
00:01:34,616 --> 00:01:39,026
But obviously, we were

talking to Trent about AMS.

44
00:01:39,376 --> 00:01:41,816
And one reason that
you're here to is to talk

45
00:01:41,816 --> 00:01:43,346
about this last flight
of Endeavor.

46
00:01:43,346 --> 00:01:45,796
It was your only shuttle
flight, as it turned out.

47
00:01:45,866 --> 00:01:49,686
But you were the last individual
seat on a space shuttle

48
00:01:50,146 --> 00:01:52,666
because STS-135, they
were all veterans.

49
00:01:52,666 --> 00:01:55,236
So you were the last
individual seat.

50
00:01:55,866 --> 00:01:57,406
But maybe you can describe

51
00:01:57,406 --> 00:02:00,226
that mission a little
bit, associated with AMS.

52
00:02:00,226 --> 00:02:03,266
I know the crew didn't
actually do the installation,

53
00:02:03,266 --> 00:02:04,256
other than robotically.

54
00:02:04,256 --> 00:02:06,406
But you did spacewalks,
and you were out there

55
00:02:06,586 --> 00:02:08,996
and saw it installed on
the station just like some

56
00:02:08,996 --> 00:02:12,626
of the photos that we'll
show while we're talking.

57
00:02:12,996 --> 00:02:15,736
>> Mike Fincke: Well, Kyle,
as you know, we here at NASA,

58
00:02:15,736 --> 00:02:16,746
we're ready for everything.

59
00:02:17,136 --> 00:02:20,826
So in case we ran into
troubles with the installation

60
00:02:20,826 --> 00:02:24,636
of Alpha Magnetic Spectrometer,
AMS, we, as a crew, were ready.

61
00:02:24,816 --> 00:02:25,746
Whether we needed

62
00:02:25,746 --> 00:02:29,846
to do alternate robotic
techniques or go out for EVAs.

63
00:02:29,976 --> 00:02:30,086
>> Kyle Herring: Right.

64
00:02:30,086 --> 00:02:33,386
>> Mike Fincke: We needed

to know AMS inside and out.

65
00:02:33,876 --> 00:02:36,546
And in order to do that,
we had a chance to go

66
00:02:36,546 --> 00:02:38,846
to Geneva to watch it be built.

67
00:02:39,236 --> 00:02:42,196
Where we got to, you know, meet
Trent and his team along with,

68
00:02:42,366 --> 00:02:46,206
you know, Professor Sam Ting
and the scientist community.

69
00:02:46,346 --> 00:02:48,486
What a great group of people.

70
00:02:48,566 --> 00:02:50,896
Another international
collaboration

71
00:02:51,126 --> 00:02:53,126
like our beautiful
international space station.

72
00:02:53,996 --> 00:02:55,626
Another successful group of --

73
00:02:55,626 --> 00:02:57,446
you know, showing what
human beings can accomplish

74
00:02:57,446 --> 00:02:58,236
when we work together.

75
00:02:58,236 --> 00:02:59,776

And it was really fun
working with them.

76
00:03:00,176 --> 00:03:03,306
We got to see the AMS
when it was all in pieces.

77
00:03:03,416 --> 00:03:05,346
We got to see it when
it got put together.

78
00:03:05,346 --> 00:03:06,336
We welcomed it.

79
00:03:06,336 --> 00:03:08,596
We were on the welcoming
Committee down in Florida

80
00:03:08,706 --> 00:03:10,366
when it arrived to Florida.

81
00:03:10,776 --> 00:03:13,536
And we saw how it was integrated
into our space shuttle.

82
00:03:13,836 --> 00:03:14,056
>> Kyle Herring: Right.

83
00:03:14,056 --> 00:03:16,316
We have a little bit of video

84
00:03:16,316 --> 00:03:18,026
that I think we showed
while we were talking

85
00:03:18,026 --> 00:03:21,256
to Trent a little while ago,
but it was kind of fast moving.

86

00:03:21,256 --> 00:03:23,486
But it does show a
little bit of the mission.

87
00:03:23,876 --> 00:03:25,356
>> Mike Fincke: Yeah,
launching on a space shuttle was

88
00:03:25,356 --> 00:03:27,526
so much different than my
previous [inaudible] mission.

89
00:03:27,826 --> 00:03:30,976
You could really feel the rumble
of the solid rocket boosters.

90
00:03:31,576 --> 00:03:34,156
You could really feel
the G forces build up.

91
00:03:34,156 --> 00:03:35,956
It's a great vehicle,
the space shuttle.

92
00:03:36,386 --> 00:03:39,346
We popped right into the
clouds and never stopped going

93
00:03:39,346 --> 00:03:40,936
until we reached
[brief laughter] orbit.

94
00:03:41,046 --> 00:03:44,056
It was pretty surprising
how fast we got up there.

95
00:03:44,056 --> 00:03:45,446
Eight and a half
minutes to orbit.

96

00:03:45,896 --> 00:03:47,896
A day or two later, we docked

97
00:03:47,996 --> 00:03:49,766
to our beautiful
international space station.

98
00:03:49,766 --> 00:03:51,876
You can see the AMS back there.

99
00:03:52,426 --> 00:03:55,796
We had another payload that
we had removed the day before.

100
00:03:56,486 --> 00:03:59,136
So we were pretty good
at robot arm operations.

101
00:03:59,136 --> 00:04:02,416
That the PDRS, the
shuttle robotic arm.

102
00:04:02,576 --> 00:04:06,796
And we took it out of the
payload bay and handed it off

103
00:04:06,796 --> 00:04:08,926
to the station robotic arm.

104
00:04:09,126 --> 00:04:09,406
>> Kyle Herring: Right.

105
00:04:09,406 --> 00:04:10,946
>> Mike Fincke: A big
handshake in space.

106
00:04:11,286 --> 00:04:15,366
Sam Ting, who, you know --
Chief Scientist PI for this,

107
00:04:15,476 --> 00:04:16,986
you know, Novel Laureate.

108
00:04:16,986 --> 00:04:19,756
He said, "You know, the thing
costs $1,500,000,000.00.

109
00:04:19,756 --> 00:04:20,966
Please don't drop it
[brief laughter]."

110
00:04:20,966 --> 00:04:25,306
So we were very happy as a crew
not to have dropped the AMS.

111
00:04:25,306 --> 00:04:27,706
It took all of us
working together.

112
00:04:27,856 --> 00:04:32,436
We had Roberto Vittori
and Drew Feustel working

113
00:04:32,436 --> 00:04:37,236
on the shuttle arm along
with Greg Chamitoff

114
00:04:37,516 --> 00:04:39,966
and Greg Johnson working
with the station arm.

115
00:04:40,336 --> 00:04:42,346
And the robotic team here

116
00:04:42,446 --> 00:04:44,306
at Johnson Space
Center did a great job.

117
00:04:44,306 --> 00:04:45,336

They had it all planned out.

118
00:04:45,686 --> 00:04:47,306
All the coordinated maneuvers.

119
00:04:47,306 --> 00:04:50,886
And it was a great feeling once
we installed it onto the back

120
00:04:50,886 --> 00:04:53,326
of the truss aboard
our space station.

121
00:04:53,326 --> 00:04:54,806
You can see how big
the space station is.

122
00:04:55,216 --> 00:04:57,436
And how big the AMS is.

123
00:04:57,436 --> 00:04:59,476
But the space station
is so much bigger.

124
00:04:59,826 --> 00:05:00,356
>> Kyle Herring: Right.

125
00:05:00,356 --> 00:05:01,566
>> Mike Fincke: It
was plug and play.

126
00:05:01,566 --> 00:05:03,096
That's what I really
liked about it.

127
00:05:03,096 --> 00:05:05,606
We put it in, the claw
grabbed it, all the data

128

00:05:05,606 --> 00:05:07,196
and power connectors
went right in,

129
00:05:07,436 --> 00:05:09,156
and it worked right
the first time.

130
00:05:09,816 --> 00:05:11,576
>> Kyle Herring: It's funny
that you said plug and play

131
00:05:11,576 --> 00:05:14,506
because in the Station Mission
Management Team meeting this

132
00:05:14,506 --> 00:05:17,106
morning, I happened to see Greg
Korlocker [assumed spelling] --

133
00:05:17,496 --> 00:05:21,536
Gary Horlacher there who is our
lead flight director for STS-135

134
00:05:21,536 --> 00:05:22,906
on the shuttle side
of the mission.

135
00:05:22,906 --> 00:05:25,776
And I asked him that
specific thing, you know,

136
00:05:25,776 --> 00:05:27,086
in terms of crew involvement.

137
00:05:27,426 --> 00:05:30,226
Obviously, all the robotics
arm work had to be done,

138
00:05:30,456 --> 00:05:32,136

very intricate work by the crew.

139
00:05:32,666 --> 00:05:35,836
But then once it's plugged
in, it was a laptop kind

140
00:05:35,836 --> 00:05:40,256
of interface, right, to get it
activated and make sure the team

141
00:05:40,256 --> 00:05:42,386
on the ground could see the
data and that type of thing.

142
00:05:42,606 --> 00:05:44,256
>> Mike Fincke: Yeah,
we pushed a few buttons,

143
00:05:44,256 --> 00:05:48,276
and everything worked
according to plan.

144
00:05:48,866 --> 00:05:50,386
>> Kyle Herring: It leads
me to another question

145
00:05:50,386 --> 00:05:51,636
about -- not even a question.

146
00:05:51,636 --> 00:05:53,726
Maybe statement that
you can elaborate on.

147
00:05:53,726 --> 00:05:58,996
And that is the teamwork
between the team on the ground

148
00:05:58,996 --> 00:06:01,876
and the crew onboard,
it's very interactive.

149
00:06:02,206 --> 00:06:03,696
And it's evolved.

150
00:06:04,086 --> 00:06:08,386
It seems like every increment
almost it seems like it evolves.

151
00:06:08,416 --> 00:06:12,336
That the training and
the work and talking

152
00:06:12,336 --> 00:06:14,746
with the flight controllers
and all of that.

153
00:06:14,746 --> 00:06:17,086
And maybe you could talk
about that because you flew

154
00:06:17,086 --> 00:06:21,086
on Expedition 9 and then,
again, you know, years later.

155
00:06:21,086 --> 00:06:22,266
And then the shuttle flight.

156
00:06:22,266 --> 00:06:26,256
And then compare those
and the transition.

157
00:06:26,576 --> 00:06:26,686
>> Mike Fincke: Yeah.

158
00:06:26,686 --> 00:06:30,106
First and foremost,
it's great working

159
00:06:30,596 --> 00:06:32,776

with the missions
operations director, you know,

160
00:06:32,776 --> 00:06:34,206
with the flight directors,
you know.

161
00:06:34,616 --> 00:06:37,696
The ultimate flight
director, you know,

162
00:06:37,696 --> 00:06:39,406
stereotype is the Gene Kranz.

163
00:06:39,456 --> 00:06:41,946
You know, failure's
not an option.

164
00:06:41,946 --> 00:06:42,036
>> Kyle Herring: Right
[brief laughter].

165
00:06:42,036 --> 00:06:43,376
>> Mike Fincke: And we
still have that here.

166
00:06:43,376 --> 00:06:46,416
And there's some
great principles why

167
00:06:46,416 --> 00:06:49,386
which the Flight Control
Team really works every day.

168
00:06:49,386 --> 00:06:51,676
So great to be here at the
Mission Control Center.

169
00:06:51,976 --> 00:06:53,126
I still get to [inaudible].

170
00:06:53,126 --> 00:06:55,856
And you can see the
coordination that it takes.

171
00:06:55,856 --> 00:06:57,376
I mean, that's a really
big space station.

172
00:06:58,016 --> 00:06:59,696
We're not in charge
of it up there.

173
00:06:59,696 --> 00:07:00,776
We don't drive it around.

174
00:07:01,306 --> 00:07:02,656
It's going around the Earth.

175
00:07:02,656 --> 00:07:05,446
We have folks monitoring
the critical systems.

176
00:07:05,446 --> 00:07:05,546
>> Kyle Herring: Right.

177
00:07:05,546 --> 00:07:07,496
>> Mike Fincke: And that
frees us up so we're not --

178
00:07:07,546 --> 00:07:10,776
you know, it doesn't take 10
of us onboard to monitor things

179
00:07:10,776 --> 00:07:12,146
that can be down
here on the ground.

180
00:07:12,146 --> 00:07:13,666

See how our electrical
power's going.

181
00:07:13,666 --> 00:07:17,266
So it frees us up to do the
research and to do the things

182
00:07:17,496 --> 00:07:19,426
that only we can do onboard.

183
00:07:19,756 --> 00:07:23,276
And being able to be
in synchronization

184
00:07:23,276 --> 00:07:25,616
with your Ground Control
Team is a great feeling.

185
00:07:25,926 --> 00:07:28,506
And it's a great sense of
accomplishment for all of us

186
00:07:28,976 --> 00:07:31,796
when we succeed in things like
the Alpha Magnetic Spectrometer

187
00:07:32,096 --> 00:07:34,226
or the flame experiment
that, you know,

188
00:07:34,226 --> 00:07:36,026
Chris Cassidy setting up today.

189
00:07:36,296 --> 00:07:38,536
And once the first flame
comes on, it's like, "Yeah."

190
00:07:38,536 --> 00:07:39,146
You know [brief laughter].

191
00:07:39,146 --> 00:07:40,286
And everyone's excited.

192
00:07:41,226 --> 00:07:41,436
>> Kyle Herring: Yeah,

193
00:07:41,436 --> 00:07:43,696
that experiment work
is really ramping up.

194
00:07:43,696 --> 00:07:45,816
In fact, you know,
all week this week

195
00:07:45,816 --> 00:07:48,406
and next week they're upgrading
the communications system that's

196
00:07:48,406 --> 00:07:51,216
adding two space-to-ground
voice channels.

197
00:07:51,216 --> 00:07:53,796
And additional television
channels

198
00:07:53,796 --> 00:07:55,246
for experiment work too.

199
00:07:55,246 --> 00:07:58,236
So it's definitely evolved.

200
00:07:58,436 --> 00:08:02,626
And now into a true
scientific laboratory up there.

201
00:08:03,576 --> 00:08:07,166
>> Mike Fincke: Yeah,
it's -- on Expedition 18,

202
00:08:07,166 --> 00:08:08,686
we were working towards the goal

203
00:08:08,686 --> 00:08:10,656
that we could have 6 people
aboard the space station.

204
00:08:10,656 --> 00:08:12,526
And now every time I
see six people up there,

205
00:08:12,986 --> 00:08:14,686
I feel that sense, "Yeah."

206
00:08:15,016 --> 00:08:18,366
But we need more comm because,
you know, there could be,

207
00:08:18,366 --> 00:08:21,436
you know, a primary
investigator, you know,

208
00:08:21,436 --> 00:08:23,336
a lead scientist
down on the ground,

209
00:08:23,336 --> 00:08:25,596
and you need -- he
needs to help you.

210
00:08:25,946 --> 00:08:28,556
You know, your hands and
ears and eyes onboard.

211
00:08:28,666 --> 00:08:28,836
>> Kyle Herring: Right.

212
00:08:28,836 --> 00:08:30,386

>> Mike Fincke: But maybe
he or she knows something

213
00:08:30,386 --> 00:08:31,856
that can help you make
the experiment better.

214
00:08:31,856 --> 00:08:33,076
We can tweak it in real time.

215
00:08:33,436 --> 00:08:35,886
And having that extra comm
on channel so that we're --

216
00:08:36,216 --> 00:08:38,856
so that other things could
be done on maintenance

217
00:08:38,856 --> 00:08:40,236
or another experiment
could be done.

218
00:08:40,546 --> 00:08:42,786
Those extra comm channels
really are gonna help out.

219
00:08:42,996 --> 00:08:46,916
>> Kyle Herring: There was one
other picture that Trent showed

220
00:08:46,916 --> 00:08:48,566
that hopefully we'll
get to show.

221
00:08:48,566 --> 00:08:51,846
And I wanted to ask you
because life inside the station,

222
00:08:51,846 --> 00:08:54,196
obviously, is as a laboratory.

223
00:08:54,196 --> 00:08:59,356
But during 134, you did three
spacewalks on that flight.

224
00:08:59,766 --> 00:09:03,516
And Trent showed a picture from
way out on the end of the truss

225
00:09:03,516 --> 00:09:07,776
that had AMS in the foreground,
the station, and Endeavor.

226
00:09:08,406 --> 00:09:13,166
And that must really give
you a really good perspective

227
00:09:13,166 --> 00:09:13,886
of the size.

228
00:09:13,926 --> 00:09:15,946
But talk about what it's like.

229
00:09:15,946 --> 00:09:18,656
I know you're focused on
your work and your worksite

230
00:09:18,656 --> 00:09:20,506
when you're translating
around out there.

231
00:09:20,506 --> 00:09:22,706
But talk about when you
have an opportunity to look

232
00:09:22,706 --> 00:09:27,046
out like this view and
see that entire complex.

233

00:09:27,226 --> 00:09:30,876
>> Mike Fincke: So our lead
spacewalker was Andrew,

234
00:09:30,986 --> 00:09:32,856
Drew, Feustel and us.

235
00:09:32,986 --> 00:09:35,296
And I had done spacewalks
before,

236
00:09:35,296 --> 00:09:36,516
but they were Russian
spacewalks.

237
00:09:36,936 --> 00:09:38,086
And so this is my first --

238
00:09:38,086 --> 00:09:40,426
you know, these were my first
spacewalks on the American side.

239
00:09:40,776 --> 00:09:44,176
And Chamitoff, this was
his first spacewalk at all,

240
00:09:44,766 --> 00:09:46,366
you know, his first
chance to spacewalk.

241
00:09:46,366 --> 00:09:46,596
>> Kyle Herring: Right.

242
00:09:46,596 --> 00:09:48,836
>> Mike Fincke: So Feustel
reminded us a lot, you know,

243
00:09:49,186 --> 00:09:50,566
do your work, get it
done right, but now

244
00:09:50,566 --> 00:09:51,726
and then, stop and take a look.

245
00:09:52,416 --> 00:09:54,566
And it's absolutely amazing.

246
00:09:54,566 --> 00:09:58,316
You saw in that previous picture
and you can see here, you know,

247
00:09:58,316 --> 00:09:59,566
there's a lot of
things going on.

248
00:09:59,686 --> 00:10:04,066
That's myself and Chamitoff
out there working outside.

249
00:10:04,066 --> 00:10:06,536
But we did stop and, I
would say, smell the roses.

250
00:10:06,536 --> 00:10:07,216
But take a look.

251
00:10:07,216 --> 00:10:09,516
And you can see how big
our space station is,

252
00:10:10,016 --> 00:10:13,176
how many neat parts
are out there.

253
00:10:13,286 --> 00:10:14,836
This is one of my
favorite shots ever.

254
00:10:14,836 --> 00:10:15,606

>> Kyle Herring: Great shot.

255
00:10:15,676 --> 00:10:17,036
>> Mike Fincke: You can
see that's Chamitoff,

256
00:10:17,076 --> 00:10:19,076
but I'm in the visor.

257
00:10:19,586 --> 00:10:21,256
And that's me and my buddy Greg.

258
00:10:21,256 --> 00:10:22,806
We worked together
on Expedition 18.

259
00:10:22,806 --> 00:10:24,056
So it was great to
see him out there.

260
00:10:24,056 --> 00:10:26,786
But we were, you know,
finishing up construction

261
00:10:26,786 --> 00:10:29,476
of the American part of the
space station, taking some --

262
00:10:29,806 --> 00:10:32,116
we took the big robotic
boom that we used

263
00:10:32,116 --> 00:10:34,566
for space shuttle inspection.

264
00:10:34,716 --> 00:10:35,116
>> Kyle Herring: Right.

265
00:10:35,206 --> 00:10:36,536

>> Mike Fincke: That we
left it on the outside

266
00:10:36,536 --> 00:10:38,666
of the space station in
case we ever need to go back

267
00:10:38,666 --> 00:10:40,166
and fix a solar array
or something.

268
00:10:40,166 --> 00:10:42,636
It's a very long stick that we
can put at the end of the arm

269
00:10:42,636 --> 00:10:45,096
and grab things or hold things
or send someone out there.

270
00:10:45,196 --> 00:10:45,566
>> Kyle Herring: Right.

271
00:10:46,286 --> 00:10:51,356
So talk about what
you're doing now relative

272
00:10:51,386 --> 00:10:53,886
to supporting the Astronaut
Office and the agency.

273
00:10:54,146 --> 00:10:54,666
>> Mike Fincke: Yeah, you bet.

274
00:10:54,666 --> 00:10:59,016
You know, I'm sure you guys
talk a lot about, you know.

275
00:10:59,106 --> 00:11:02,146
NASA's missions now where we
still have our international

276
00:11:02,146 --> 00:11:04,646
space station, we have
astronauts getting training.

277
00:11:05,056 --> 00:11:06,796
We have astronauts onboard.

278
00:11:06,796 --> 00:11:09,176
And we're going to
continue onto the end

279
00:11:09,176 --> 00:11:10,506
of the space station doing that.

280
00:11:10,946 --> 00:11:13,126
We go up and down right
now only with [inaudible],

281
00:11:13,276 --> 00:11:16,986
but our office is helping
the new vehicles get ready

282
00:11:17,066 --> 00:11:19,776
that are going, whether it's
starting out with cargo vehicles

283
00:11:19,776 --> 00:11:23,906
like working with SpaceX
and Orbital Sciences --

284
00:11:23,906 --> 00:11:23,996
>> Kyle Herring: Right.

285
00:11:23,996 --> 00:11:25,376
>> Mike Fincke: For
our cargo missions.

286
00:11:26,206 --> 00:11:29,526

Revamping and getting ready for
the companies that are working

287
00:11:29,526 --> 00:11:33,196
with NASA to take
Americans back in space

288
00:11:33,196 --> 00:11:34,506
on American space vehicles.

289
00:11:34,896 --> 00:11:38,936
That's really busy and exciting
with new development and a lot

290
00:11:39,516 --> 00:11:41,976
of test flying coming
up in the future.

291
00:11:42,736 --> 00:11:47,716
As well as getting ready and
working with Orion and the SLS.

292
00:11:48,786 --> 00:11:51,036
I'm leaving here and
getting ready to go

293
00:11:51,036 --> 00:11:54,276
to a cockpit evaluation of Orion
and see what buttons to push

294
00:11:54,276 --> 00:11:55,296
and make sure it's efficient.

295
00:11:55,646 --> 00:11:59,156
So all of the experiences that
our office, as astronauts,

296
00:11:59,156 --> 00:12:02,326
that we've gained with
the shuttle program

297
00:12:02,326 --> 00:12:05,236
and building the space station,
you know, we're doing our part

298
00:12:05,236 --> 00:12:08,166
on the team with the
NASA team to get ready

299
00:12:08,166 --> 00:12:09,806
for our exciting future.

300
00:12:10,536 --> 00:12:10,866
>> Kyle Herring: Wow.

301
00:12:11,286 --> 00:12:14,356
We really appreciate you taking
time out to stop by and see us.

302
00:12:14,356 --> 00:12:16,906
It's really good to see you
and see you over here too.

303
00:12:17,696 --> 00:12:21,976
Mike Fincke, astronaut,
obviously, 381 days in space,

304
00:12:21,976 --> 00:12:26,396
has a great perspective on
life up there and also what's

305
00:12:26,606 --> 00:12:27,866
in store for us in the future.

306
00:12:27,866 --> 00:12:29,596
So thanks a lot for
stopping by, Mike.

307
00:12:29,596 --> 00:12:30,216

Appreciate it.

308
00:12:30,296 --> 00:12:30,866
>> Mike Fincke: Thanks, Kyle.

309
00:12:30,866 --> 00:12:32,826
It's always good to be on
NASA TV [brief laughter].

310
00:12:33,166 --> 00:12:35,646
>> I didn't ask him to
do that [brief laughter].