1
00:00:04,640 --> 00:00:19,990
six

2
00:01:10,550 --> 00:00:42,069
okay

3
00:01:10,560 --> 00:01:25,749
and then back

4
00:01:25,759 --> 00:01:56,310
you

5
00:01:56,320 --> 00:02:08,790
ready

6
00:02:08,800 --> 00:02:22,229
hey

7
00:02:22,239 --> 00:02:37,509
oh

8
00:02:37,519 --> 00:03:03,430
okay

9
00:03:03,440 --> 00:03:44,789
on

10
00:03:44,799 --> 00:04:03,509
hey

11
00:04:03,519 --> 00:04:15,190
yes

12
00:04:15,200 --> 00:04:29,590
one more minute

13
00:04:29,600 --> 00:04:42,629

one more thing

14
00:04:42,639 --> 00:05:08,629
okay

15
00:05:08,639 --> 00:05:43,189
thank you

16
00:05:43,199 --> 00:06:04,309
me

17
00:06:08,790 --> 00:06:06,710
the space station is ready for you

18
00:06:28,070 --> 00:06:08,800
enjoy your expedition and take good care

19
00:06:31,029 --> 00:06:29,510
thanks for coming and sharing the

20
00:06:39,670 --> 00:06:31,039
adventure of being here with the rest of

21
00:06:39,680 --> 00:06:55,510
have a good point

22
00:06:55,520 --> 00:07:18,070
no clue

23
00:07:18,080 --> 00:07:36,550
uh

24
00:07:36,560 --> 00:08:06,070
hello

25
00:08:06,080 --> 00:08:16,469
baby

26
00:08:16,479 --> 00:10:44,389
okay

27
00:10:44,399 --> 00:11:05,750
um

28
00:11:09,590 --> 00:11:07,590
when you realize all the things that can

29
00:11:18,150 --> 00:11:09,600
be discovered

30
00:11:18,160 --> 00:11:28,630
oh

31
00:11:28,640 --> 00:11:47,110
um

32
00:11:47,120 --> 00:14:32,069
foreign

33
00:14:32,079 --> 00:15:23,990
wow

34
00:15:24,000 --> 00:16:38,550
as well

35
00:16:38,560 --> 00:17:01,030
um

36
00:17:07,110 --> 00:17:03,829
all the things that can be discovered

37
00:17:08,309 --> 00:17:07,120
in orbit he said they gave us something

38
00:17:10,069 --> 00:17:08,319

to do

39
00:17:11,829 --> 00:17:10,079
so now there you have it three men on

40
00:17:56,789 --> 00:17:11,839
their way into kevin you want to know

41
00:18:00,789 --> 00:17:58,710
mike safradini international space

42
00:18:02,310 --> 00:18:00,799
station program manager mike on a starry

43
00:18:04,470 --> 00:18:02,320
night a thunderous start for the next

44
00:18:07,750 --> 00:18:04,480
trio of residents for the international

45
00:18:09,909 --> 00:18:07,760
space station your thoughts as the soyuz

46
00:18:11,909 --> 00:18:09,919
rocketed away from baikonur

47
00:18:13,990 --> 00:18:11,919
well every one of these

48
00:18:15,430 --> 00:18:14,000
these flights

49
00:18:16,950 --> 00:18:15,440
cause you to look to what we're about to

50
00:18:18,870 --> 00:18:16,960
go do

51
00:18:20,549 --> 00:18:18,880
now we have this very large space

52
00:18:21,990 --> 00:18:20,559
station so i know the crew the three

53
00:18:22,950 --> 00:18:22,000
crew that are on orbit are extremely

54
00:18:24,630 --> 00:18:22,960
busy

55
00:18:25,510 --> 00:18:24,640
so part of my thoughts with the crew

56
00:18:27,430 --> 00:18:25,520
that's

57
00:18:28,870 --> 00:18:27,440
about to receive three friends that also

58
00:18:30,950 --> 00:18:28,880
offload a lot of the work that they're

59
00:18:32,549 --> 00:18:30,960
going to do but also this this period of

60
00:18:34,470 --> 00:18:32,559
time as we've mentioned earlier is a

61
00:18:38,230 --> 00:18:34,480
very historic time for the

62
00:18:39,350 --> 00:18:38,240
the iss program as we we usher in

63
00:18:41,110 --> 00:18:39,360

the last

64
00:18:42,870 --> 00:18:41,120
shuttle flight in the history of that

65
00:18:43,669 --> 00:18:42,880
program

66
00:18:45,830 --> 00:18:43,679
and

67
00:18:47,750 --> 00:18:45,840
with some luck perhaps while this crew

68
00:18:49,350 --> 00:18:47,760
is up there will usher in the first

69
00:18:51,909 --> 00:18:49,360
commercial

70
00:18:54,150 --> 00:18:51,919
resupply flight so

71
00:18:57,350 --> 00:18:54,160
as many of the increments are on iss

72
00:18:58,310 --> 00:18:57,360
this one has uh quite a bit of historic

73
00:19:00,630 --> 00:18:58,320
value

74
00:19:02,549 --> 00:19:00,640
and and it you think about that as you

75
00:19:04,150 --> 00:19:02,559
watch this beautiful rocket go up into

76
00:19:05,350 --> 00:19:04,160
the sky and take our next three crude

77
00:19:07,350 --> 00:19:05,360
iss

78
00:19:09,590 --> 00:19:07,360
and in that regard almost no time to

79
00:19:11,029 --> 00:19:09,600
breathe for the for this trio uh once

80
00:19:12,950 --> 00:19:11,039
they arrive on board at the end of the

81
00:19:14,470 --> 00:19:12,960
week with progresses and then

82
00:19:16,630 --> 00:19:14,480
preparations for the final shuttle

83
00:19:18,630 --> 00:19:16,640
mission as you mentioned how how busy

84
00:19:20,470 --> 00:19:18,640
how challenging is the next month or two

85
00:19:22,710 --> 00:19:20,480
for for this new crew well you said it

86
00:19:24,710 --> 00:19:22,720
right we've uh because of the way things

87
00:19:26,630 --> 00:19:24,720
have slipped over the last few months

88
00:19:28,230 --> 00:19:26,640

things are kind of stacked up we've got

89
00:19:29,990 --> 00:19:28,240
time for everything

90
00:19:30,870 --> 00:19:30,000
but we don't have a lot of time

91
00:19:34,470 --> 00:19:30,880
to

92
00:19:36,630 --> 00:19:34,480
and give the crew a whole bunch of time

93
00:19:38,470 --> 00:19:36,640
to get acclimated

94
00:19:40,150 --> 00:19:38,480
right after the crew gets on board we

95
00:19:42,230 --> 00:19:40,160
continue with our reboost we're going to

96
00:19:43,590 --> 00:19:42,240
raise the iss to the highest altitude

97
00:19:45,510 --> 00:19:43,600
it's ever been we have to do that with

98
00:19:47,510 --> 00:19:45,520
the atv that's on orbit

99
00:19:48,950 --> 00:19:47,520
uh that has to get completed by about

100
00:19:51,190 --> 00:19:48,960
the 17th

101
00:19:53,510 --> 00:19:51,200
in order for we for us to prep that

102
00:19:55,350 --> 00:19:53,520
vehicle for its departure on the 20th

103
00:19:56,789 --> 00:19:55,360
and immediately after that that then we

104
00:19:58,310 --> 00:19:56,799
will begin getting ready for our shuttle

105
00:20:00,150 --> 00:19:58,320
flight in the middle of that we're

106
00:20:01,909 --> 00:20:00,160
trying to manage all of our work so that

107
00:20:03,909 --> 00:20:01,919
we can get as much research done as

108
00:20:06,470 --> 00:20:03,919
possible because many of the

109
00:20:08,310 --> 00:20:06,480
uh the research

110
00:20:10,070 --> 00:20:08,320
many of the researchers that are doing

111
00:20:12,230 --> 00:20:10,080
research on iss right now have samples

112
00:20:13,909 --> 00:20:12,240
they want to return and and our last

113
00:20:17,270 --> 00:20:13,919

opportunity that to do that before

114
00:20:19,510 --> 00:20:17,280
spacex starts flying is with ulf7 so

115
00:20:22,070 --> 00:20:19,520
we're very very busy

116
00:20:23,669 --> 00:20:22,080
getting to ulf7 and then after that we

117
00:20:26,470 --> 00:20:23,679
begin

118
00:20:28,390 --> 00:20:26,480
what i what i like to refer to as a more

119
00:20:31,110 --> 00:20:28,400
utilization

120
00:20:33,270 --> 00:20:31,120
focused operation of iss away from the

121
00:20:35,029 --> 00:20:33,280
assembly life that we've been living

122
00:20:37,750 --> 00:20:35,039
where we set aside the time that

123
00:20:39,590 --> 00:20:37,760
research is allocated and the system

124
00:20:41,029 --> 00:20:39,600
guys figure out how to operate the iss

125
00:20:42,149 --> 00:20:41,039
with what's left which is the exact

126
00:20:50,549 --> 00:20:42,159
opposite of where we've been all the way

127
00:20:53,669 --> 00:20:51,909
bill gerstenmaier the associate

128
00:20:55,430 --> 00:20:53,679
administrator for space operations out

129
00:20:57,270 --> 00:20:55,440
of nasa headquarters bill uh here in

130
00:20:59,270 --> 00:20:57,280
baikonur again

131
00:21:03,430 --> 00:20:59,280
just never gets dull does it watching

132
00:21:05,430 --> 00:21:03,440
one of these soyuz rockets head to orbit

133
00:21:07,510 --> 00:21:05,440
yeah there's not much i can add what a

134
00:21:09,510 --> 00:21:07,520
beautiful launch it was today you could

135
00:21:10,230 --> 00:21:09,520
really see the rocket for a long time

136
00:21:11,750 --> 00:21:10,240
and

137
00:21:13,669 --> 00:21:11,760
just a beautiful sight watching it

138
00:21:15,350 --> 00:21:13,679

launch into the clear clear evening

139
00:21:17,029 --> 00:21:15,360
tonight and it's also kind of unique at

140
00:21:18,870 --> 00:21:17,039
least it seems to me to be actually nice

141
00:21:21,270 --> 00:21:18,880
and warm at the time of launch instead

142
00:21:22,950 --> 00:21:21,280
of being in kind of a chilly conditions

143
00:21:24,870 --> 00:21:22,960
but just a beautifully beautiful launch

144
00:21:26,470 --> 00:21:24,880
and they never get old

145
00:21:28,950 --> 00:21:26,480
we've talked about this before but a

146
00:21:31,669 --> 00:21:28,960
pivotal launch as well at a momentous

147
00:21:33,830 --> 00:21:31,679
time in transition for nasa and for

148
00:21:36,070 --> 00:21:33,840
space station and i'm just wondering

149
00:21:37,669 --> 00:21:36,080
what your thoughts are as you saw

150
00:21:39,590 --> 00:21:37,679
uh our three uh

151
00:21:40,789 --> 00:21:39,600
astronauts and cosmonauts head for the

152
00:21:42,470 --> 00:21:40,799
space station

153
00:21:44,070 --> 00:21:42,480
yeah it is pretty amazing time you know

154
00:21:45,990 --> 00:21:44,080
as their you know as their rockets

155
00:21:47,590 --> 00:21:46,000
launching we're at the cape actually

156
00:21:48,950 --> 00:21:47,600
starting to load hypergolic propellants

157
00:21:51,350 --> 00:21:48,960
into the shuttle to get ready for the

158
00:21:52,630 --> 00:21:51,360
july 8th launch so it's amazing we're

159
00:21:54,630 --> 00:21:52,640
down at the cape getting the shuttle

160
00:21:56,549 --> 00:21:54,640
ready to launch on its its final flight

161
00:21:58,710 --> 00:21:56,559
and then i think when this crew gets on

162
00:22:00,230 --> 00:21:58,720
orbit the time between when they get on

163
00:22:02,149 --> 00:22:00,240

orbit to win the shuttle arrives and

164
00:22:03,830 --> 00:22:02,159
docks is not a very long period of time

165
00:22:05,430 --> 00:22:03,840
and we have a lot of work for the crew

166
00:22:07,110 --> 00:22:05,440
on orbit to do once they get on board

167
00:22:09,110 --> 00:22:07,120
space station lots of activities get

168
00:22:10,789 --> 00:22:09,120
prepared for the shuttle arrival and

169
00:22:12,789 --> 00:22:10,799
it'll be a very busy time for this crew

170
00:22:14,950 --> 00:22:12,799
once they get on orbit so it'll be great

171
00:22:17,029 --> 00:22:14,960
to see the space station size increase

172
00:22:18,630 --> 00:22:17,039
from three to six and we'll kind of pick

173
00:22:20,230 --> 00:22:18,640
up research here for a little bit and

174
00:22:21,909 --> 00:22:20,240
also do quite a bit of preparation for

175
00:22:23,830 --> 00:22:21,919
the final shuttle flight so it's a

176
00:22:25,350 --> 00:22:23,840
pretty dynamic time in space flight with

177
00:22:26,950 --> 00:22:25,360
all these launches going on and

178
00:22:29,110 --> 00:22:26,960
occurring and there's a progress launch

179
00:22:31,029 --> 00:22:29,120
coming up as well in that same period so

180
00:22:32,549 --> 00:22:31,039
what a dynamic time for us especially