
Columbia
VERTEX

1
00:00:02,639 --> 00:00:57,750
oh

2
00:00:57,760 --> 00:01:13,510
foreign

3
00:01:13,520 --> 00:01:46,550
we should see that um

4
00:01:46,560 --> 00:01:58,469
oh

5
00:03:50,309 --> 00:02:11,910
so

6
00:03:50,319 --> 00:04:24,469
oh

7
00:04:24,479 --> 00:04:41,510
so what do you think

8
00:04:41,520 --> 00:05:00,310
uh

9
00:05:00,320 --> 00:05:57,430
oh

10
00:06:02,150 --> 00:05:59,909
kirk shireman the iss program manager

11
00:06:03,909 --> 00:06:02,160
here in baikonur kirk it took a few

12
00:06:06,390 --> 00:06:03,919
extra weeks to get the soyuz out to the

13
00:06:07,430 --> 00:06:06,400

pad but here it is and another crew

14
00:06:09,110 --> 00:06:07,440
ready to

15
00:06:10,870 --> 00:06:09,120
head to the international space station

16
00:06:12,870 --> 00:06:10,880
your thoughts on the rollout and the

17
00:06:15,029 --> 00:06:12,880
preparations leading up to the start of

18
00:06:17,430 --> 00:06:15,039
this new increment it's a beautiful day

19
00:06:18,870 --> 00:06:17,440
a little brisk here in uh in baikonur

20
00:06:21,110 --> 00:06:18,880
but it's great to be here for the

21
00:06:23,110 --> 00:06:21,120
rollout uh you know it took a little

22
00:06:24,790 --> 00:06:23,120
extra time we had an anomaly with the

23
00:06:26,870 --> 00:06:24,800
soyuz but the team was very thorough

24
00:06:28,550 --> 00:06:26,880
understood what the issue was and then

25
00:06:30,790 --> 00:06:28,560
performed all the retests so we're all

26
00:06:32,390 --> 00:06:30,800
very confident that uh that this vehicle

27
00:06:34,469 --> 00:06:32,400
is ready to go to safely take our crew

28
00:06:36,469 --> 00:06:34,479
to the international space station and

29
00:06:38,150 --> 00:06:36,479
uh it's been a very productive time on

30
00:06:40,390 --> 00:06:38,160
the iss we're looking forward to having

31
00:06:42,550 --> 00:06:40,400
these uh these guys on board and

32
00:06:44,309 --> 00:06:42,560
continuing that productivity

33
00:06:46,870 --> 00:06:44,319
bill gerstenmaier nasa's associate

34
00:06:49,350 --> 00:06:46,880
administrator for human exploration bill

35
00:06:51,270 --> 00:06:49,360
uh about three weeks or so behind

36
00:06:53,830 --> 00:06:51,280
schedule but nonetheless the soyuz on

37
00:06:56,710 --> 00:06:53,840
the pad ready to go a new increment uh

38
00:06:58,870 --> 00:06:56,720

how complicated was uh this repair and

39
00:07:01,670 --> 00:06:58,880
the retesting to get everything back

40
00:07:03,510 --> 00:07:01,680
together again so quickly for this soyuz

41
00:07:05,589 --> 00:07:03,520
this was really a challenge for the

42
00:07:07,670 --> 00:07:05,599
russian team to to sort through this

43
00:07:09,189 --> 00:07:07,680
problem and first discover where it was

44
00:07:11,670 --> 00:07:09,199
took a long time for them to

45
00:07:14,230 --> 00:07:11,680
methodically disconnect cables and then

46
00:07:15,830 --> 00:07:14,240
look and figure out what was going on

47
00:07:17,749 --> 00:07:15,840
then when they they found the problem

48
00:07:19,189 --> 00:07:17,759
then they had to repair it and it wasn't

49
00:07:21,670 --> 00:07:19,199
easy repairing it you know the vehicle

50
00:07:23,830 --> 00:07:21,680
was fully fueled it had the pyrotechnics

51
00:07:25,749 --> 00:07:23,840
installed so doing all that work was a

52
00:07:27,589 --> 00:07:25,759
lot of non-standard work for them you

53
00:07:29,589 --> 00:07:27,599
know i think it this shows that that the

54
00:07:31,589 --> 00:07:29,599
russians are really focused on what

55
00:07:33,430 --> 00:07:31,599
they're doing to find this problem and

56
00:07:35,029 --> 00:07:33,440
then to take the time to repair it was

57
00:07:36,870 --> 00:07:35,039
really really outstanding you know i

58
00:07:39,350 --> 00:07:36,880
often tell our teams to stay hungry and

59
00:07:41,589 --> 00:07:39,360
keep looking for problems this is a real

60
00:07:43,270 --> 00:07:41,599
example of what that really means that

61
00:07:45,670 --> 00:07:43,280
when you find something that isn't quite

62
00:07:47,589 --> 00:07:45,680
right you take the time you dig into it

63
00:07:49,189 --> 00:07:47,599

you figure out what's wrong then you go

64
00:07:50,710 --> 00:07:49,199
make the repairs and what they've

65
00:07:52,230 --> 00:07:50,720
discovered is they're going to make some

66
00:07:53,430 --> 00:07:52,240
minor changes on some of the vehicles

67
00:07:55,749 --> 00:07:53,440
that are getting ready to be processed

68
00:07:57,670 --> 00:07:55,759
for the subsequent flights so this was a

69
00:07:59,029 --> 00:07:57,680
really good thing it was fortuitous the

70
00:08:01,350 --> 00:07:59,039
problem stayed around and they had a

71
00:08:03,270 --> 00:08:01,360
chance to to work it discover it but

72
00:08:05,830 --> 00:08:03,280
they really really did a great job

73
00:08:07,430 --> 00:08:05,840
getting this vehicle ready to go fly and

74
00:08:09,749 --> 00:08:07,440
just a tremendous

75
00:08:11,830 --> 00:08:09,759
effort tremendous professionalism you

76
00:08:13,350 --> 00:08:11,840
know they worked fairly expeditiously to

77
00:08:15,029 --> 00:08:13,360
get the vehicle ready and just just

78
00:08:16,629 --> 00:08:15,039
really i can't say enough of how

79
00:08:18,469 --> 00:08:16,639
diligent they are i spent some time

80
00:08:20,390 --> 00:08:18,479
talking to them this morning and they

81
00:08:22,070 --> 00:08:20,400
went over all the reviews they

82
00:08:25,029 --> 00:08:22,080
participated with us in a flight race

83
00:08:28,070 --> 00:08:25,039
review just a great effort on their part

84
00:08:30,629 --> 00:08:28,080
and bill the uh the whole next six

85
00:08:32,790 --> 00:08:30,639
months or so for station activity and

86
00:08:34,790 --> 00:08:32,800
the science associated with all of the

87
00:08:37,589 --> 00:08:34,800
work that these crew members have to do

88
00:08:40,310 --> 00:08:37,599

on orbit are your thoughts on um

89
00:08:42,310 --> 00:08:40,320
are the crews overworked are are they

90
00:08:44,230 --> 00:08:42,320
stepping up to the pace of the work uh

91
00:08:45,990 --> 00:08:44,240
your thoughts on all that again the

92
00:08:47,910 --> 00:08:46,000
crews are doing just a tremendous job

93
00:08:50,310 --> 00:08:47,920
what what's exciting is we've got some

94
00:08:51,990 --> 00:08:50,320
really quality research in science some

95
00:08:54,630 --> 00:08:52,000
brand new stuff we've never done before

96
00:08:56,790 --> 00:08:54,640
some dna sequencing and activities along

97
00:08:58,790 --> 00:08:56,800
those lines and and kate has just done a

98
00:09:00,310 --> 00:08:58,800
phenomenal job on orbit of working

99
00:09:02,630 --> 00:09:00,320
through those activities

100
00:09:04,870 --> 00:09:02,640
i think the crews get really excited by

101
00:09:06,310 --> 00:09:04,880
seeing new research that's in the fields

102
00:09:08,470 --> 00:09:06,320
that they've studied and they've

103
00:09:10,389 --> 00:09:08,480
participated in as they became

104
00:09:12,150 --> 00:09:10,399
astronauts so

105
00:09:14,230 --> 00:09:12,160
it's i think a very busy time but i

106
00:09:17,030 --> 00:09:14,240
think an extremely rewarding time and i

107
00:09:18,389 --> 00:09:17,040
don't see the crews being overworked or

108
00:09:20,070 --> 00:09:18,399
being stressed

109
00:09:22,150 --> 00:09:20,080
they're really rising up to this

110
00:09:24,070 --> 00:09:22,160
challenge so it's it's fun to watch our

111
00:09:26,790 --> 00:09:24,080
teams generically rise to these

112
00:09:29,269 --> 00:09:26,800
challenges and just continue to excel

113
00:09:31,269 --> 00:09:29,279

with space station the research results

114
00:09:33,350 --> 00:09:31,279
the activities on board station are

115
00:09:35,030 --> 00:09:33,360
really unprecedented and i think we need

116
00:09:36,949 --> 00:09:35,040
to step back occasionally and look at

117
00:09:38,470 --> 00:09:36,959
just what's occurring on station it is

118
00:09:40,470 --> 00:09:38,480
actually phenomenal if you look through

119
00:09:42,230 --> 00:09:40,480
the research that's being done and the

120
00:09:46,150 --> 00:09:42,240
activities that are occurring just a

121
00:09:48,550 --> 00:09:46,160
tremendous tremendous time in space

122
00:09:49,350 --> 00:09:48,560
chris cassidy nasa's chief astronaut

123
00:09:51,110 --> 00:09:49,360
chris

124
00:09:53,430 --> 00:09:51,120
it took a little bit longer than had

125
00:09:55,670 --> 00:09:53,440
been planned but the soyuz is ready is

126
00:09:57,430 --> 00:09:55,680
shane kimbrough ready after all of this

127
00:09:59,030 --> 00:09:57,440
shane is absolutely ready you know it's

128
00:10:01,750 --> 00:09:59,040
really special for me to be here we were

129
00:10:03,829 --> 00:10:01,760
astronaut classmates together in 2004

130
00:10:06,310 --> 00:10:03,839
and to be here during this pre-launch

131
00:10:08,230 --> 00:10:06,320
period with him and be with his family

132
00:10:10,710 --> 00:10:08,240
uh it's extra special for me on a

133
00:10:13,350 --> 00:10:10,720
personal personal level but i can tell

134
00:10:15,670 --> 00:10:13,360
you he is ready to go that the crew as a

135
00:10:17,190 --> 00:10:15,680
whole is ready to go

136
00:10:19,269 --> 00:10:17,200
it's just the quarantine period is a

137
00:10:21,670 --> 00:10:19,279
really nice period to get through all

138
00:10:22,550 --> 00:10:21,680

the training that you've got to at this

139
00:10:24,550 --> 00:10:22,560
point

140
00:10:25,990 --> 00:10:24,560
put that behind you just relax focus on

141
00:10:27,750 --> 00:10:26,000
what's ahead and get ready for launch

142
00:10:29,430 --> 00:10:27,760
and that's exactly where they are you

143
00:10:31,350 --> 00:10:29,440
know shane and his crewmates were just

144
00:10:33,590 --> 00:10:31,360
days away from launch

145
00:10:36,230 --> 00:10:33,600
before the problem was

146
00:10:38,470 --> 00:10:36,240
detected on the soyuz forcing several

147
00:10:41,670 --> 00:10:38,480
weeks of repair work and retesting from

148
00:10:45,030 --> 00:10:41,680
a psychological standpoint how difficult

149
00:10:46,470 --> 00:10:45,040
was that and how easy frankly was it for

150
00:10:49,110 --> 00:10:46,480
shane to slip right back into the

151
00:10:51,190 --> 00:10:49,120
training flow uh fairly easy but you

152
00:10:53,590 --> 00:10:51,200
know we we uh we joke around in the in

153
00:10:55,430 --> 00:10:53,600
the crew office that late launch late

154
00:10:57,269 --> 00:10:55,440
launch delays are not are a blessing

155
00:10:58,949 --> 00:10:57,279
really in in some ways because you're

156
00:11:01,910 --> 00:10:58,959
you're going like crazy and all sudden a

157
00:11:04,870 --> 00:11:01,920
a late launch slip happens it's not

158
00:11:06,310 --> 00:11:04,880
something that we we desire and nobody's

159
00:11:09,030 --> 00:11:06,320
happy for it but

160
00:11:10,949 --> 00:11:09,040
what it really does is extra time to

161
00:11:12,310 --> 00:11:10,959
brush up on things professionally and

162
00:11:13,670 --> 00:11:12,320
also to

163
00:11:14,949 --> 00:11:13,680

a little bit more time with the family

164
00:11:16,389 --> 00:11:14,959
he was able to get back to the united

165
00:11:19,110 --> 00:11:16,399
states and and

166
00:11:20,550 --> 00:11:19,120
see his his kids and hang out in houston

167
00:11:21,829 --> 00:11:20,560
a little bit and get a little bit more

168
00:11:23,829 --> 00:11:21,839
training and come right back