1
00:02:36,229 --> 00:01:13,990
oh

2
00:02:36,239 --> 00:03:25,430
okay

3
00:03:25,440 --> 00:04:48,550
so

4
00:04:54,469 --> 00:04:51,590
nasa chief astronaut bob bankin bob

5
00:04:56,550 --> 00:04:54,479
the soyuz is ready to fly uh scott kelly

6
00:04:59,350 --> 00:04:56,560
and mikhail kornienko ready to spend a

7
00:05:01,270 --> 00:04:59,360
year in space what is scott's level of

8
00:05:03,590 --> 00:05:01,280
preparation at this point his state of

9
00:05:04,469 --> 00:05:03,600
mind as he embarks on an historic

10
00:05:06,310 --> 00:05:04,479
mission

11
00:05:08,469 --> 00:05:06,320
scott is definitely ready to go for this

12
00:05:10,310 --> 00:05:08,479
one-year mission his previous time on

13
00:05:12,629 --> 00:05:10,320

orbit allowed him to really focus over

14
00:05:15,110 --> 00:05:12,639
the last year and a half or so to really

15
00:05:16,870 --> 00:05:15,120
get prepared his personal effects are in

16
00:05:18,550 --> 00:05:16,880
order and he's definitely definitely

17
00:05:20,550 --> 00:05:18,560
ready to go

18
00:05:21,510 --> 00:05:20,560
what is the biggest challenge in your

19
00:05:23,350 --> 00:05:21,520
mind

20
00:05:25,270 --> 00:05:23,360
for a crew member both from a

21
00:05:27,430 --> 00:05:25,280
physiological and psychological

22
00:05:30,230 --> 00:05:27,440
standpoint to leave the planet for a

23
00:05:32,710 --> 00:05:30,240
year leave his family and friends behind

24
00:05:34,870 --> 00:05:32,720
and tackle what will be a challenging

25
00:05:35,830 --> 00:05:34,880
year's worth of work on the station i

26
00:05:37,270 --> 00:05:35,840
think the thing that'll be most

27
00:05:38,870 --> 00:05:37,280
challenging for any of the crew members

28
00:05:40,550 --> 00:05:38,880
that go up whether it's for a six-month

29
00:05:42,469 --> 00:05:40,560
mission or for a one-year mission and

30
00:05:43,909 --> 00:05:42,479
scott has a very good perspective on

31
00:05:46,310 --> 00:05:43,919
this having already done a six-month

32
00:05:48,070 --> 00:05:46,320
mission is preserving enough flexibility

33
00:05:50,230 --> 00:05:48,080
to be prepared for anything that comes

34
00:05:51,990 --> 00:05:50,240
his way so over the year it's really

35
00:05:53,350 --> 00:05:52,000
hard for us to predict exactly what's

36
00:05:54,870 --> 00:05:53,360
going to be expected of him while he's

37
00:05:56,629 --> 00:05:54,880
on orbit you know we'll have vehicles

38
00:05:58,790 --> 00:05:56,639

that come and go we may have a

39
00:06:00,309 --> 00:05:58,800
contingency evas or otherwise that need

40
00:06:01,990 --> 00:06:00,319
to be put on his plate to go off and

41
00:06:03,590 --> 00:06:02,000
execute we can't say what all those

42
00:06:04,870 --> 00:06:03,600
things are going to be right now but

43
00:06:06,469 --> 00:06:04,880
being prepared for all of those

44
00:06:08,309 --> 00:06:06,479
eventualities i think is the most

45
00:06:10,390 --> 00:06:08,319
challenging thing being emotionally

46
00:06:11,590 --> 00:06:10,400
prepared for all those eventualities is

47
00:06:14,070 --> 00:06:11,600
the most challenging thing and i think

48
00:06:15,909 --> 00:06:14,080
scott's ready for that from an astronaut

49
00:06:16,950 --> 00:06:15,919
office standpoint bob

50
00:06:19,909 --> 00:06:16,960
what

51
00:06:22,790 --> 00:06:19,919
do you guys have to do to take extra

52
00:06:24,710 --> 00:06:22,800
care extra nurturing of a crew member on

53
00:06:25,909 --> 00:06:24,720
orbit for that period of time

54
00:06:27,510 --> 00:06:25,919
one of the things that we really want to

55
00:06:29,430 --> 00:06:27,520
make sure that we take care of scott

56
00:06:31,749 --> 00:06:29,440
with is is having some flexibility with

57
00:06:33,590 --> 00:06:31,759
his time on orbit you know during the

58
00:06:35,749 --> 00:06:33,600
the year that he's in space he'll go

59
00:06:37,350 --> 00:06:35,759
through four different increments and

60
00:06:39,110 --> 00:06:37,360
the ground teams associated with those

61
00:06:40,710 --> 00:06:39,120
different increments by the end of the

62
00:06:42,550 --> 00:06:40,720
fourth one or the beginning of the third

63
00:06:44,309 --> 00:06:42,560

one probably he'll have a pretty good

64
00:06:45,830 --> 00:06:44,319
perspective on what needs to be done and

65
00:06:47,990 --> 00:06:45,840
the timing and sequencing of things

66
00:06:49,830 --> 00:06:48,000
going forward and so retraining those

67
00:06:51,510 --> 00:06:49,840
ground teams and taking into account

68
00:06:53,189 --> 00:06:51,520
scott's experience so that he can

69
00:06:54,710 --> 00:06:53,199
contribute in that process as he goes

70
00:06:55,830 --> 00:06:54,720
forward is going to be really important

71
00:06:57,830 --> 00:06:55,840
and so it's something that we thought a

72
00:06:59,270 --> 00:06:57,840
lot about you know towards the later

73
00:07:00,870 --> 00:06:59,280
parts of the time he's on orbit we

74
00:07:03,110 --> 00:07:00,880
really want to make sure that he has an

75
00:07:05,270 --> 00:07:03,120
input he's got some flexibility to kind

76
00:07:07,110 --> 00:07:05,280
of tell the ground what the the next

77
00:07:08,629 --> 00:07:07,120
best steps are what the sequencing of

78
00:07:10,070 --> 00:07:08,639
activities should be so that he can be

79
00:07:11,350 --> 00:07:10,080
most efficient and get the most

80
00:07:14,390 --> 00:07:11,360
accomplished with the time that he has

81
00:07:18,710 --> 00:07:17,189
dr john charles nasa's chief of

82
00:07:20,469 --> 00:07:18,720
international science for the human

83
00:07:22,550 --> 00:07:20,479
research program

84
00:07:24,710 --> 00:07:22,560
john behind you is the soyuz vehicle

85
00:07:26,550 --> 00:07:24,720
that will transport scott kelly mikhail

86
00:07:28,870 --> 00:07:26,560
kornenko to the station to begin a year

87
00:07:31,029 --> 00:07:28,880
in space for you this must be a very

88
00:07:32,710 --> 00:07:31,039

important momentous milestone what are

89
00:07:34,390 --> 00:07:32,720
your feelings right now yeah rob we're

90
00:07:36,870 --> 00:07:34,400
very excited to be here this is a

91
00:07:39,909 --> 00:07:36,880
culmination of several years of work uh

92
00:07:42,390 --> 00:07:39,919
to see the investigations come together

93
00:07:44,230 --> 00:07:42,400
for this uh for this year-long mission

94
00:07:45,670 --> 00:07:44,240
hopefully paving the way for future

95
00:07:47,909 --> 00:07:45,680
missions like this that will then lead

96
00:07:50,070 --> 00:07:47,919
us on to mars so it's very exciting and

97
00:07:52,390 --> 00:07:50,080
personally fulfilling to be here today

98
00:07:54,710 --> 00:07:52,400
one of the things that you as a science

99
00:07:56,710 --> 00:07:54,720
team will be looking at

100
00:07:58,390 --> 00:07:56,720
from week to week month to month as this

101
00:08:01,029 --> 00:07:58,400
year unfolds

102
00:08:03,189 --> 00:08:01,039
we'll be evaluating how the human body

103
00:08:05,270 --> 00:08:03,199
changes by measuring uh

104
00:08:07,029 --> 00:08:05,280
scott and mikhail's parameters on a

105
00:08:08,950 --> 00:08:07,039
fairly regular basis

106
00:08:10,550 --> 00:08:08,960
looking primarily for differences

107
00:08:12,790 --> 00:08:10,560
between the one-year mission and

108
00:08:16,230 --> 00:08:12,800
six-month missions previously that that

109
00:08:18,230 --> 00:08:16,240
uh constitute a large large database

110
00:08:20,150 --> 00:08:18,240
uh with this knowledge of of what

111
00:08:21,670 --> 00:08:20,160
changes we'll know what to focus on for

112
00:08:23,430 --> 00:08:21,680
future missions to be sure we're

113
00:08:25,270 --> 00:08:23,440

prepared for long duration missions off

114
00:08:26,869 --> 00:08:25,280
to mars

115
00:08:29,909 --> 00:08:26,879
what is it that makes scott kelly a

116
00:08:31,430 --> 00:08:29,919
unique subject to do this and uh

117
00:08:32,870 --> 00:08:31,440
how are you going to track all of this

118
00:08:34,790 --> 00:08:32,880
over the course of a year it's got to be

119
00:08:37,430 --> 00:08:34,800
an incredible undertaking

120
00:08:39,509 --> 00:08:37,440
well scott has proved to be an excellent

121
00:08:41,269 --> 00:08:39,519
test subject and an excellent operator

122
00:08:43,110 --> 00:08:41,279
of the investigation so far so we're

123
00:08:44,710 --> 00:08:43,120
very lucky to have him and of course one

124
00:08:46,310 --> 00:08:44,720
of his qualifications is the fact that

125
00:08:48,389 --> 00:08:46,320
he's flown previously in a six-month

126
00:08:50,150 --> 00:08:48,399
flight we'll be making many of the same

127
00:08:51,430 --> 00:08:50,160
measurements on scott on the one-year

128
00:08:53,509 --> 00:08:51,440
mission as we did on his previous

129
00:08:55,590 --> 00:08:53,519
six-month mission looking specifically

130
00:08:57,030 --> 00:08:55,600
for the changes that occur in the body

131
00:08:59,430 --> 00:08:57,040
that might be related to the longer

132
00:09:01,350 --> 00:08:59,440
duration in flight but his personal

133
00:09:03,509 --> 00:09:01,360
enthusiasm his dedication to the work

134
00:09:17,590 --> 00:09:03,519
has really made him an exemplary subject

135
00:09:17,600 --> 00:09:28,630
it's been just grand

136
00:09:33,990 --> 00:09:30,870
are you getting excited scott or

137
00:09:35,509 --> 00:09:34,000
you know i think a little bit

138
00:09:37,750 --> 00:09:35,519

you know there's a lot of things have to

139
00:09:40,070 --> 00:09:37,760
happen between today

140
00:09:42,389 --> 00:09:40,080
and friday and actually

141
00:09:44,389 --> 00:09:42,399
right now it's kind of you get on this

142
00:09:47,350 --> 00:09:44,399
like very quick train

143
00:09:52,389 --> 00:09:47,360
that is moving in one direction and

144
00:09:55,350 --> 00:09:54,230
but up until today it's been pretty

145
00:09:58,070 --> 00:09:55,360
quiet

146
00:09:59,509 --> 00:09:58,080
so like right after this

147
00:10:02,150 --> 00:09:59,519
and tomorrow there's like press

148
00:10:03,750 --> 00:10:02,160
conference a

149
00:10:07,030 --> 00:10:03,760
state commission

150
00:10:09,509 --> 00:10:07,040
this movie that we watched let's say uh

151
00:10:11,670 --> 00:10:09,519
it's white sun and desert it's a

152
00:10:13,110 --> 00:10:11,680
uh

153
00:10:15,110 --> 00:10:13,120
you know a movie that the russians have

154
00:10:18,389 --> 00:10:15,120
been watching for years it's

155
00:10:20,710 --> 00:10:18,399
a tradition we watch that the next day

156
00:10:22,949 --> 00:10:20,720
we wake up at this launch day

157
00:10:25,430 --> 00:10:22,959
even though technically it's not but

158
00:10:27,990 --> 00:10:25,440
it's really the day you go to the pad so

159
00:10:30,470 --> 00:10:28,000
it's kind of wednesday wake up do some

160
00:10:31,509 --> 00:10:30,480
uh have breakfast

161
00:10:34,389 --> 00:10:31,519
you know

162
00:10:36,230 --> 00:10:34,399
do some pack your stuff take a nap we're

163
00:10:37,190 --> 00:10:36,240

actually going to go to the sauna

164
00:10:39,509 --> 00:10:37,200
like

165
00:10:42,150 --> 00:10:39,519
right before we uh really

166
00:10:43,350 --> 00:10:42,160
sit in the body for a little bit

167
00:10:44,870 --> 00:10:43,360
very