



1
00:00:13,120 --> 00:00:28,310
my

2
00:00:28,320 --> 00:00:44,389
jesus

3
00:00:44,399 --> 00:02:41,750
oh

4
00:04:07,350 --> 00:03:53,110
so

5
00:04:07,360 --> 00:05:35,749
okay

6
00:05:35,759 --> 00:05:50,469
good

7
00:05:50,479 --> 00:06:16,150
all right

8
00:06:16,160 --> 00:06:30,710
oh

9
00:06:30,720 --> 00:08:06,309
guys

10
00:08:06,319 --> 00:08:15,270
nobody

11
00:09:32,949 --> 00:08:28,550
oh

12
00:09:32,959 --> 00:10:00,230
here

13
00:10:00,240 --> 00:10:09,509

huh

14

00:10:09,519 --> 00:10:19,030

it's gonna be

15

00:10:19,040 --> 00:10:43,030

uh

16

00:10:43,040 --> 00:11:13,110

foreign

17

00:11:13,120 --> 00:11:51,269

oh my god

18

00:11:51,279 --> 00:12:07,269

asking this

19

00:12:07,279 --> 00:12:24,870

thank you

20

00:12:24,880 --> 00:15:11,590

oh

21

00:15:15,670 --> 00:15:13,670

astronaut mike barrett deputy chief of

22

00:15:17,110 --> 00:15:15,680

the astronaut office mike

23

00:15:20,310 --> 00:15:17,120

sunrise here at the bike on our

24

00:15:23,269 --> 00:15:20,320

cosmodrome the soyuz vehicle at the pad

25

00:15:25,269 --> 00:15:23,279

15 degrees below zero fahrenheit your

26

00:15:27,350 --> 00:15:25,279

thoughts as we prepare for the final

27

00:15:29,030 --> 00:15:27,360

launch of this memorable year well i

28

00:15:31,430 --> 00:15:29,040

think all of us out here reminded just

29

00:15:33,749 --> 00:15:31,440

how robust this system is i've been out

30

00:15:36,790 --> 00:15:33,759

here when it was i think we hit 114

31

00:15:39,829 --> 00:15:36,800

degrees in july of 93 and and today you

32

00:15:42,069 --> 00:15:39,839

know minus 14 fahrenheit and everything

33

00:15:44,230 --> 00:15:42,079

rolls on exactly as for the plan the

34

00:15:45,829 --> 00:15:44,240

rocket's in great shape uh the crew is

35

00:15:47,829 --> 00:15:45,839

in great shape everything is clicking

36

00:15:49,509 --> 00:15:47,839

along so uh i think we're feeling

37

00:15:50,470 --> 00:15:49,519

awfully good about this transportation

38

00:15:52,629 --> 00:15:50,480

system

39

00:15:54,629 --> 00:15:52,639

mike it seems like almost an eternity

40

00:15:56,790 --> 00:15:54,639

since you flew on the shuttle back all

41

00:15:58,230 --> 00:15:56,800

the way back in march and here we are at

42

00:16:00,629 --> 00:15:58,240

the end of this year an amazing

43

00:16:03,110 --> 00:16:00,639

transitional year your thoughts as we

44

00:16:04,710 --> 00:16:03,120

move from one hero to the next year well

45

00:16:07,030 --> 00:16:04,720

obviously it's been difficult to see the

46

00:16:09,430 --> 00:16:07,040

shuttle program in the shuttle being so

47

00:16:11,670 --> 00:16:09,440

iconic of human space flight but it's a

48

00:16:13,110 --> 00:16:11,680

pretty exciting time because uh very

49

00:16:14,550 --> 00:16:13,120

early into this new year we're going to

50

00:16:16,790 --> 00:16:14,560

see something brand new we're going to

51
00:16:19,670 --> 00:16:16,800
see the new commercial spacecraft flying

52
00:16:22,710 --> 00:16:19,680
to the station in fact that don pettit

53
00:16:24,710 --> 00:16:22,720
and his crew will see the first spacex

54
00:16:26,790 --> 00:16:24,720
and hopefully the cygnus cargo vehicles

55
00:16:28,870 --> 00:16:26,800
arrive at the station so we're saying

56
00:16:31,590 --> 00:16:28,880
goodbye to a wonderful program we're

57
00:16:33,509 --> 00:16:31,600
saying hello and ushering in some some

58
00:16:45,030 --> 00:16:33,519
brand new programs new rocket ships i

59
00:16:48,629 --> 00:16:46,710
underneath all that that's really bill

60
00:16:51,670 --> 00:16:48,639
gerstenmaier the associate administrator

61
00:16:54,389 --> 00:16:51,680
for human exploration operations bill

62
00:16:56,949 --> 00:16:54,399
a memorable year at transitional year

63
00:16:59,110 --> 00:16:56,959

and here at sunrise in minus 15 degrees

64

00:17:01,509 --> 00:16:59,120

fahrenheit the soyuz is ready to be

65

00:17:02,949 --> 00:17:01,519

hoisted vertically for another trip to

66

00:17:04,630 --> 00:17:02,959

the space station your thoughts as the

67

00:17:06,710 --> 00:17:04,640

year draws to an end

68

00:17:09,270 --> 00:17:06,720

i mean it's been an amazing year you

69

00:17:11,029 --> 00:17:09,280

know i think back and i reflect on what

70

00:17:13,270 --> 00:17:11,039

we really accomplished this year and

71

00:17:15,990 --> 00:17:13,280

it's just absolutely phenomenal with the

72

00:17:18,549 --> 00:17:16,000

conclusion the shuttle program

73

00:17:20,549 --> 00:17:18,559

then the progress failure recovery from

74

00:17:22,549 --> 00:17:20,559

the progress failure with the soyuz and

75

00:17:24,789 --> 00:17:22,559

then to be here today ready to go launch

76

00:17:27,110 --> 00:17:24,799

the soyuz again is just a phenomenal

77

00:17:28,549 --> 00:17:27,120

testimony to what we're doing and then

78

00:17:30,070 --> 00:17:28,559

also i think about all the work that's

79

00:17:31,350 --> 00:17:30,080

been going on aboard the space station

80

00:17:32,710 --> 00:17:31,360

you know even during this time when

81

00:17:34,710 --> 00:17:32,720

we've had three crew we've been getting

82

00:17:36,310 --> 00:17:34,720

a lot of research done we're getting a

83

00:17:38,549 --> 00:17:36,320

lot of activities done aboard space

84

00:17:41,190 --> 00:17:38,559

station so it's it's really been just an

85

00:17:42,710 --> 00:17:41,200

amazing year for us and uh

86

00:17:44,310 --> 00:17:42,720

i mean i just think back and i just

87

00:17:46,070 --> 00:17:44,320

think how blessed we are to work in this

88

00:17:48,310 --> 00:17:46,080

industry this will be i think the 13th

89

00:17:51,350 --> 00:17:48,320

launch this year to the space station so

90

00:17:53,350 --> 00:17:51,360

just an amazing amazing year for us

91

00:17:55,830 --> 00:17:53,360

two launches and a landing for the

92

00:17:57,909 --> 00:17:55,840

russian space program in a five-week

93

00:18:00,230 --> 00:17:57,919

period how significant is that

94

00:18:02,150 --> 00:18:00,240

accomplishment given all that goes into

95

00:18:04,310 --> 00:18:02,160

these activities especially in these

96

00:18:05,909 --> 00:18:04,320

weather conditions yeah i'm really

97

00:18:07,990 --> 00:18:05,919

impressed with the russians and their

98

00:18:09,750 --> 00:18:08,000

ability to to continue to keep launching

99

00:18:11,430 --> 00:18:09,760

and keep moving forward but you know

100

00:18:13,669 --> 00:18:11,440

there was recently just a soyuz launch

101
00:18:15,669 --> 00:18:13,679
out of peru and then here we are today

102
00:18:18,150 --> 00:18:15,679
with the soyuz rocket getting installed

103
00:18:20,470 --> 00:18:18,160
and and ready to get go to into the

104
00:18:23,270 --> 00:18:20,480
launch condition then again the teams

105
00:18:24,710 --> 00:18:23,280
are really professional really motivated

106
00:18:27,510 --> 00:18:24,720
you know like you said earlier it's

107
00:18:29,270 --> 00:18:27,520
pretty cold here it's -13-15

108
00:18:31,510 --> 00:18:29,280
but yet the the folks are out there on

109
00:18:33,110 --> 00:18:31,520
the rocket getting it ready to go fly

110
00:18:35,190 --> 00:18:33,120
they're just as focused on their job as

111
00:18:37,110 --> 00:18:35,200
they are when it's nice and warm and 60

112
00:18:38,950 --> 00:18:37,120
or 70 degrees so

113
00:18:41,190 --> 00:18:38,960

again a tremendous testimony to the

114

00:18:44,310 --> 00:18:41,200

russian spirit to keep moving forward in

115

00:18:46,950 --> 00:18:44,320

a steady measured pace to really make

116

00:18:57,669 --> 00:18:46,960

what is really a not an easy thing look

117

00:19:02,390 --> 00:18:59,750

it's good okay so frank i mean uh what

118

00:19:05,590 --> 00:19:02,400

does it still for you to be here in this

119

00:19:07,590 --> 00:19:05,600

position now well it's a very nice

120

00:19:10,710 --> 00:19:07,600

position to be and of course i'm very

121

00:19:12,390 --> 00:19:10,720

happy that i am here to support andre i

122

00:19:15,830 --> 00:19:12,400

know that he's looking forward to go to

123

00:19:18,470 --> 00:19:15,840

uh space to uh do his uh mission uh in a

124

00:19:19,909 --> 00:19:18,480

couple of days uh from now the promised

125

00:19:22,390 --> 00:19:19,919

mission it will be a fantastic mission

126

00:19:24,070 --> 00:19:22,400

for isa for our european space agency

127

00:19:26,549 --> 00:19:24,080

those long duration missions are very

128

00:19:28,470 --> 00:19:26,559

important for you these astronauts they

129

00:19:30,950 --> 00:19:28,480

are very important for us for as

130

00:19:32,789 --> 00:19:30,960

astronauts of course that's our job as a

131

00:19:34,950 --> 00:19:32,799

european astronaut but it's also very

132

00:19:36,830 --> 00:19:34,960

important for the european space agency

133

00:19:39,110 --> 00:19:36,840

and it's also very important for the

134

00:19:41,190 --> 00:19:39,120

partnership we do a lot of good stuff on

135

00:19:43,190 --> 00:19:41,200

the space station we do a lot of science

136

00:19:44,710 --> 00:19:43,200

we do a lot of education and we're

137

00:19:46,630 --> 00:19:44,720

preparing the future of human

138

00:19:48,710 --> 00:19:46,640

exploration so yes these missions are

139

00:19:51,110 --> 00:19:48,720

very important for us for you don't you

140

00:19:53,190 --> 00:19:51,120

miss to be the one going this time

141

00:19:54,950 --> 00:19:53,200

i miss it a little bit of course if they

142

00:19:57,110 --> 00:19:54,960

would give me a ticket i'm immediately

143

00:19:59,510 --> 00:19:57,120

back in line to sit in the rocket and to

144

00:20:01,350 --> 00:19:59,520

fly again for six months to space but

145

00:20:03,510 --> 00:20:01,360

now i think we have our young esa

146

00:20:05,430 --> 00:20:03,520

astronauts andre is still of my

147

00:20:07,830 --> 00:20:05,440

generation he's probably the last one of

148

00:20:10,630 --> 00:20:07,840

my generation to fly and after this we

149

00:20:12,870 --> 00:20:10,640

have luca parmitano and alexander gerst

150

00:20:14,950 --> 00:20:12,880

from italy and from germany they need to

