



1
00:03:33,430 --> 00:03:30,869
happy birthday

2
00:03:35,190 --> 00:03:33,440
thank you that was yesterday wasn't it

3
00:03:37,270 --> 00:03:35,200
hey just just like last time here comes

4
00:03:38,949 --> 00:03:37,280
the noise here in a few seconds hey just

5
00:03:40,630 --> 00:03:38,959
want to say uh thanks for coming out

6
00:03:42,390 --> 00:03:40,640
it's great to be back

7
00:03:44,390 --> 00:03:42,400
uh couldn't really see the orbiter but

8
00:03:45,589 --> 00:03:44,400
i'm sure it's out there four days from

9
00:03:47,750 --> 00:03:45,599
now

10
00:03:49,350 --> 00:03:47,760
actually pretty much exactly four days

11
00:03:51,110 --> 00:03:49,360
from now we should all be

12
00:03:53,110 --> 00:03:51,120
strapped in

13
00:03:55,270 --> 00:03:53,120

and ready to go

14

00:03:57,670 --> 00:03:55,280

hopefully the weather will be good mike

15

00:04:01,670 --> 00:03:57,680

limbach just told us that the vehicle is

16

00:04:03,350 --> 00:04:01,680

in great condition we really appreciate

17

00:04:05,350 --> 00:04:03,360

all the hard work by the

18

00:04:07,030 --> 00:04:05,360

the team that's worked over the last

19

00:04:09,830 --> 00:04:07,040

couple weeks to get

20

00:04:16,150 --> 00:04:09,840

uh shuttle endeavor ready

21

00:04:19,189 --> 00:04:17,990

at least get him turned around so the

22

00:04:21,590 --> 00:04:19,199

noise is

23

00:04:23,430 --> 00:04:21,600

pointing in the other direction uh we're

24

00:04:25,430 --> 00:04:23,440

all going to say a few words here i'm

25

00:04:30,950 --> 00:04:25,440

just going to turn it over to our pilot

26

00:04:34,790 --> 00:04:32,790

how are you all doing today

27

00:04:37,830 --> 00:04:34,800

i can't think of a more perfect way to

28

00:04:39,590 --> 00:04:37,840

spend my birthday than to come here and

29

00:04:42,230 --> 00:04:39,600

fly over here with my crew and get ready

30

00:04:44,230 --> 00:04:42,240

to fly endeavor next week you know we

31

00:04:46,950 --> 00:04:44,240

get a lot of attention as the crew these

32

00:04:48,390 --> 00:04:46,960

guys standing next to me but you know

33

00:05:21,749 --> 00:04:48,400

the real heroes

34

00:05:27,510 --> 00:05:22,629

as

35

00:05:29,909 --> 00:05:27,520

uh crowd are the folks here at ksc

36

00:05:34,070 --> 00:05:29,919

who've been supporting the space shuttle

37

00:05:36,870 --> 00:05:34,080

uh for launches repairs uh maintenance

38

00:05:39,110 --> 00:05:36,880

and protecting it for the last 30 years

39

00:05:41,909 --> 00:05:39,120

hats off to dana hutcherson and her team

40

00:05:44,550 --> 00:05:41,919

for preparing endeavor for this flow

41

00:05:47,110 --> 00:05:44,560

and finally a special thanks for the apu

42

00:05:48,870 --> 00:05:47,120

team for all the hard work you've done

43

00:05:51,350 --> 00:05:48,880

getting us to this point you know kudos

44

00:05:52,790 --> 00:05:51,360

for solving it and uh getting us back on

45

00:05:54,390 --> 00:05:52,800

track

46

00:05:57,830 --> 00:05:54,400

so uh next i'd like to turn the

47

00:06:00,150 --> 00:05:57,840

microphone over to colonel mike fink

48

00:06:03,270 --> 00:06:00,160

he'll be ms-1 going up and down on the

49

00:06:05,990 --> 00:06:03,280

flight deck robotics three evas

50

00:06:07,189 --> 00:06:06,000

and you know added to our two weeks on

51
00:06:10,070 --> 00:06:07,199
orbit he'll

52
00:06:12,309 --> 00:06:10,080
add his other 365 plus days to become

53
00:06:16,390 --> 00:06:12,319
the new record holder for an american

54
00:06:20,469 --> 00:06:18,070
yeah our crew

55
00:06:21,749 --> 00:06:20,479
and the team here at kennedy space

56
00:06:24,390 --> 00:06:21,759
center

57
00:06:26,469 --> 00:06:24,400
as well as the entire nasa family is

58
00:06:27,590 --> 00:06:26,479
incredibly humbled and proud to be able

59
00:06:29,670 --> 00:06:27,600
to take

60
00:06:31,990 --> 00:06:29,680
the alpha magnetic spectrometer into low

61
00:06:34,070 --> 00:06:32,000
earth orbit and to install it aboard our

62
00:06:36,390 --> 00:06:34,080
beautiful international space station

63
00:06:38,230 --> 00:06:36,400

professor sam ting and his team of

64

00:06:39,350 --> 00:06:38,240

international scientists and engineers

65

00:06:42,150 --> 00:06:39,360

have worked

66

00:06:43,990 --> 00:06:42,160

a really long time and really hard to uh

67

00:06:44,790 --> 00:06:44,000

to get to this point and we congratulate

68

00:06:47,270 --> 00:06:44,800

them

69

00:06:50,790 --> 00:06:47,280

and we all have great anticipation for

70

00:06:52,950 --> 00:06:50,800

the amazing insight to the world the

71

00:06:55,670 --> 00:06:52,960

universe around us that the ams is going

72

00:06:57,749 --> 00:06:55,680

to provide and we feel that the

73

00:06:59,510 --> 00:06:57,759

ams along with the international space

74

00:07:00,790 --> 00:06:59,520

station are great symbols

75

00:07:02,790 --> 00:07:00,800

of what

76

00:07:05,029 --> 00:07:02,800

we human beings across planet earth can

77

00:07:07,189 --> 00:07:05,039

do when we work together constructively

78

00:07:09,189 --> 00:07:07,199

and our crew is uh very proud to be part

79

00:07:11,990 --> 00:07:09,199

of this great endeavor

80

00:07:14,469 --> 00:07:12,000

this is uh next is uh colonel roberto

81

00:07:17,029 --> 00:07:14,479

vittori from the italian air force

82

00:07:20,150 --> 00:07:17,039

he's an incredible test pilot as well as

83

00:07:22,790 --> 00:07:20,160

uh twice uh flown on the soyuz

84

00:07:25,110 --> 00:07:22,800

ricky bobby

85

00:07:27,589 --> 00:07:25,120

i have been asked to address a few words

86

00:07:31,029 --> 00:07:27,599

in my native language that is italian

87

00:07:32,469 --> 00:07:31,039

and i'm doing that with pleasure son

88

00:07:34,710 --> 00:07:32,479

astronauta

89

00:07:37,430 --> 00:07:34,720

espacial european colonel de la notre

90

00:07:56,309 --> 00:07:37,440

minutare pero na importante missioned

91

00:07:56,319 --> 00:08:17,110

european

92

00:08:23,510 --> 00:08:19,830

it is now my pleasure to leave the

93

00:08:24,950 --> 00:08:23,520

microphone to drew feustel

94

00:08:26,790 --> 00:08:24,960

thank you roberto and thanks to all of

95

00:08:28,790 --> 00:08:26,800

you for coming out today

96

00:08:30,469 --> 00:08:28,800

as evie won for the mission i am

97

00:08:32,790 --> 00:08:30,479

confident to report that my team

98

00:08:35,029 --> 00:08:32,800

including mike fink and greg shamatoff

99

00:08:37,029 --> 00:08:35,039

are ready for the four challenging evas

100

00:08:38,790 --> 00:08:37,039

that we have planned for the mission

101
00:08:40,389 --> 00:08:38,800
we've logged over 200 hours in the

102
00:08:42,469 --> 00:08:40,399
neutral buoyancy lab at the johnson

103
00:08:44,949 --> 00:08:42,479
space center planning for the 26 hours

104
00:08:46,470 --> 00:08:44,959
of tasks on orbit we'd like to thank the

105
00:08:48,230 --> 00:08:46,480
folks at the johnson space center

106
00:08:50,790 --> 00:08:48,240
particularly those at the neutral

107
00:08:52,949 --> 00:08:50,800
buoyancy laboratory for supporting our

108
00:08:55,110 --> 00:08:52,959
training during that time we'd also like

109
00:08:57,670 --> 00:08:55,120
to thank the engineers and technicians

110
00:09:00,150 --> 00:08:57,680
at jsc and those at the kennedy space

111
00:09:01,910 --> 00:09:00,160
center here for getting our eva hardware

112
00:09:04,230 --> 00:09:01,920
ready for the mission

113
00:09:06,470 --> 00:09:04,240

and um

114

00:09:08,790 --> 00:09:06,480

it's an honor to be here and we look

115

00:09:11,430 --> 00:09:08,800

forward to uh for carrying out these

116

00:09:14,070 --> 00:09:11,440

tasks on orbit next i'd like to uh hand

117

00:09:16,230 --> 00:09:14,080

the microphone over to uh greg shamatoff

118

00:09:17,910 --> 00:09:16,240

uh an experienced long-duration space

119

00:09:20,150 --> 00:09:17,920

station crew member and a great

120

00:09:22,230 --> 00:09:20,160

scientist and someone with whom i'll be

121

00:09:26,550 --> 00:09:22,240

privileged to uh to share his first

122

00:09:26,560 --> 00:09:29,910

thanks drew

123

00:09:33,430 --> 00:09:31,269

well we as you can tell we're all very

124

00:09:35,269 --> 00:09:33,440

very excited to be here and to be

125

00:09:36,550 --> 00:09:35,279

getting this message started

126
00:09:38,470 --> 00:09:36,560
as part of all the activities you've

127
00:09:40,710 --> 00:09:38,480
heard about here there's a lot of

128
00:09:42,870 --> 00:09:40,720
robotics on this mission too

129
00:09:44,790 --> 00:09:42,880
box is our lead

130
00:09:45,829 --> 00:09:44,800
robotics

131
00:09:47,190 --> 00:09:45,839
guru

132
00:09:48,949 --> 00:09:47,200
all of us have some hand in robotics

133
00:09:51,990 --> 00:09:48,959
throughout the mission

134
00:09:54,150 --> 00:09:52,000
the of course installing the ams the elc

135
00:09:55,829 --> 00:09:54,160
and inspecting the tiles on the shuttle

136
00:09:57,590 --> 00:09:55,839
and supporting the evas a lot of

137
00:09:58,710 --> 00:09:57,600
robotics we have a great team on the

138
00:10:00,389 --> 00:09:58,720

ground supporting us we really

139

00:10:01,430 --> 00:10:00,399

appreciate all they've done to prepare

140

00:10:03,430 --> 00:10:01,440

the mission

141

00:10:05,430 --> 00:10:03,440

uh just a word about elc we have a lot

142

00:10:06,870 --> 00:10:05,440

of cargo transfer important supplies

143

00:10:07,750 --> 00:10:06,880

critical spares to deliver to the

144

00:10:09,509 --> 00:10:07,760

station

145

00:10:12,150 --> 00:10:09,519

on elc there's some spare antennas

146

00:10:13,590 --> 00:10:12,160

ammonia for uh cooling for the station

147

00:10:15,750 --> 00:10:13,600

and

148

00:10:17,350 --> 00:10:15,760

extra oxygen we have a lot of internal

149

00:10:18,470 --> 00:10:17,360

critical stuff and that we're

150

00:10:20,230 --> 00:10:18,480

transferring and all this is you know

151

00:10:22,870 --> 00:10:20,240

for the longevity of the station after

152

00:10:23,910 --> 00:10:22,880

the shuttle program uh finishes

153

00:10:25,430 --> 00:10:23,920

and um

154

00:10:26,949 --> 00:10:25,440

like to mention also other science it's

155

00:10:28,630 --> 00:10:26,959

a short mission we do have other science

156

00:10:29,829 --> 00:10:28,640

on the mission ams of course is our star

157

00:10:31,430 --> 00:10:29,839

traction

158

00:10:34,710 --> 00:10:31,440

we are

159

00:10:37,190 --> 00:10:34,720

bringing up a new missy experiment

160

00:10:39,350 --> 00:10:37,200

materials being exposed to vacuum and

161

00:10:41,350 --> 00:10:39,360

radiation in space we're installing that

162

00:10:42,710 --> 00:10:41,360

there's a relative navigation experiment

163

00:10:45,030 --> 00:10:42,720

we're going to be running that'll

164

00:10:46,949 --> 00:10:45,040

improve navigation for future spacecraft

165

00:10:49,509 --> 00:10:46,959

and we have a host of other biological

166

00:10:51,350 --> 00:10:49,519

chemical and other experiments a lot of

167

00:10:52,550 --> 00:10:51,360

italian experiments

168

00:10:54,949 --> 00:10:52,560

that

169

00:10:56,470 --> 00:10:54,959

roberto will be doing on this flight

170

00:10:57,910 --> 00:10:56,480

there's a lot of folks of course at ksc

171

00:10:59,509 --> 00:10:57,920

and at houston supporting but especially

172

00:11:00,949 --> 00:10:59,519

for this mission there's folks all

173

00:11:02,710 --> 00:11:00,959

around the world supporting this mission

174

00:11:05,350 --> 00:11:02,720

so we're really appreciative of our

175

00:11:07,030 --> 00:11:05,360

colleagues and we're also um very proud

176

00:11:09,509 --> 00:11:07,040

to be part of this team so before i

177

00:11:11,110 --> 00:11:09,519

handle mike back to mark here

178

00:11:12,630 --> 00:11:11,120

uh i'd like to say on behalf of all of

179

00:11:14,949 --> 00:11:12,640

us uh we all know mark's been through a

180

00:11:16,470 --> 00:11:14,959

lot you know the past few months

181

00:11:18,630 --> 00:11:16,480

he's done an incredible job keeping

182

00:11:21,509 --> 00:11:18,640

track of all the details of this mission

183

00:11:23,509 --> 00:11:21,519

i flew with him on once sts-124 he's

184

00:11:24,870 --> 00:11:23,519

truly an amazing commander and all of us

185

00:11:26,790 --> 00:11:24,880

feel that we're really really lucky to

186

00:11:27,590 --> 00:11:26,800

have him guide us through this complex

187

00:11:29,430 --> 00:11:27,600

mission

188

00:11:31,829 --> 00:11:29,440

mark

189

00:11:33,590 --> 00:11:31,839

thanks greg appreciate that well thanks

190

00:11:35,030 --> 00:11:33,600

for coming folks uh

191

00:11:37,590 --> 00:11:35,040

we are really

192

00:11:39,750 --> 00:11:37,600

excited to be here excited to launch

193

00:11:41,750 --> 00:11:39,760

hopefully on monday if the weather holds

194

00:11:43,110 --> 00:11:41,760

our families will be down later in the

195

00:11:44,310 --> 00:11:43,120

week you know normally we would have

196

00:11:45,990 --> 00:11:44,320

them come down

197

00:11:46,790 --> 00:11:46,000

typically on the same day we come down

198

00:11:48,470 --> 00:11:46,800

but

199

00:11:49,910 --> 00:11:48,480

all of our kids we have all of them are

200

00:11:51,430 --> 00:11:49,920

in school and

201
00:11:53,110 --> 00:11:51,440
they missed a lot of school last week

202
00:11:55,350 --> 00:11:53,120
and we we couldn't

203
00:11:57,030 --> 00:11:55,360
let that happen again so they'll be down

204
00:12:00,230 --> 00:11:57,040
over the weekend even though i'm sure

205
00:12:02,470 --> 00:12:00,240
they'd rather be here in florida now

206
00:12:04,949 --> 00:12:02,480
but it's good for us to be down here box

207
00:12:06,550 --> 00:12:04,959
and i have a couple stas this week we'll

208
00:12:07,750 --> 00:12:06,560
all go out to the orbiter check some

209
00:12:09,750 --> 00:12:07,760
cables

210
00:12:12,069 --> 00:12:09,760
check some other stuff at the pad and

211
00:12:15,910 --> 00:12:12,079
then get ready and continue our sleep

212
00:12:18,230 --> 00:12:15,920
shift uh today we woke up what time 1am

213
00:12:20,790 --> 00:12:18,240

and we'll be waking up uh midnight

214

00:12:23,269 --> 00:12:20,800

tonight to get ready for a launch that

215

00:12:25,430 --> 00:12:23,279

starts uh liftoff at 8 56 in the morning

216

00:12:27,590 --> 00:12:25,440

on monday but once again thank you very