



1
00:00:05,190 --> 00:00:03,030
hey houston we've gathered everybody

2
00:00:07,110 --> 00:00:05,200
here at the uh the no two forward hatch

3
00:00:09,430 --> 00:00:07,120
uh we have uh we have a couple different

4
00:00:12,549 --> 00:00:09,440
things we'd like to do today um

5
00:00:14,629 --> 00:00:12,559
the first of which is a uh is a special

6
00:00:16,470 --> 00:00:14,639
presentation um

7
00:00:18,470 --> 00:00:16,480
you know uh when uh when great things

8
00:00:21,510 --> 00:00:18,480
are accomplished uh pivotal moments

9
00:00:22,870 --> 00:00:21,520
occur in history we uh we have monuments

10
00:00:23,990 --> 00:00:22,880
and statues and

11
00:00:25,990 --> 00:00:24,000
we would have loved to have brought a

12
00:00:29,109 --> 00:00:26,000
monument but we really couldn't bring a

13
00:00:32,150 --> 00:00:29,119

monument so uh what we did to

14

00:00:33,350 --> 00:00:32,160

celebrate this uh final

15

00:00:34,549 --> 00:00:33,360

shuttle flight

16

00:00:37,030 --> 00:00:34,559

docking to the international space

17

00:00:38,869 --> 00:00:37,040

station is we brought the best monument

18

00:00:41,030 --> 00:00:38,879

we could possibly find and that's a

19

00:00:46,549 --> 00:00:41,040

space shuttle model

20

00:00:49,190 --> 00:00:46,559

was uh signed by the modern day titans

21

00:00:52,150 --> 00:00:49,200

of the space shuttle program um

22

00:00:53,590 --> 00:00:52,160

including john shannon leroy kane

23

00:00:56,229 --> 00:00:53,600

mike lineback

24

00:00:59,270 --> 00:00:56,239

um our lead flight directors quatzi ala

25

00:01:01,830 --> 00:00:59,280

barujo and chris edelen

26

00:01:03,110 --> 00:01:01,840

what you don't see is the signatures of

27

00:01:05,830 --> 00:01:03,120

the

28

00:01:07,910 --> 00:01:05,840

tens of thousands who rode to orbit with

29

00:01:09,510 --> 00:01:07,920

us over the past 30 years at bowling

30

00:01:11,429 --> 00:01:09,520

spirit

31

00:01:14,630 --> 00:01:11,439

what we would like is for doug to

32

00:01:17,030 --> 00:01:14,640

present this model to mike fossum

33

00:01:19,510 --> 00:01:17,040

of the expedition 28 crew

34

00:01:22,310 --> 00:01:19,520

and mike will uh hopefully

35

00:01:24,390 --> 00:01:22,320

display it in a position of respect

36

00:01:27,830 --> 00:01:24,400

right here by the shuttle's regular old

37

00:01:33,590 --> 00:01:27,840

parking spot by the no two ford hatch

38

00:01:38,149 --> 00:01:35,990

we all have lots of stories my story

39

00:01:40,870 --> 00:01:38,159

with the shuttle program began in

40

00:01:42,710 --> 00:01:40,880

1982 when i worked sts-3 in mission

41

00:01:45,030 --> 00:01:42,720

control

42

00:01:46,789 --> 00:01:45,040

hundreds of thousands of people have

43

00:01:49,190 --> 00:01:46,799

contributed to the shuttle program

44

00:01:50,550 --> 00:01:49,200

through many years 30 years of flying

45

00:01:52,230 --> 00:01:50,560

service and

46

00:01:54,950 --> 00:01:52,240

another decade and a half of development

47

00:01:56,230 --> 00:01:54,960

before that the space shuttle program

48

00:01:58,550 --> 00:01:56,240

has inspired

49

00:02:00,870 --> 00:01:58,560

millions and millions more

50

00:02:03,350 --> 00:02:00,880

we're happy to have this model one of

51
00:02:05,109 --> 00:02:03,360
the greatest testaments to the shuttle's

52
00:02:06,870 --> 00:02:05,119
incredible capability that ninety

53
00:02:09,270 --> 00:02:06,880
percent of the world's population can

54
00:02:20,390 --> 00:02:09,280
look out of their backyards at night and

55
00:02:23,990 --> 00:02:22,550
it looks absolutely uh fantastic there

56
00:02:26,309 --> 00:02:24,000
mike it's uh

57
00:02:30,390 --> 00:02:26,319
it's uh the next best thing to really

58
00:02:36,070 --> 00:02:31,750
we also have a

59
00:02:39,990 --> 00:02:36,080
another special uh presentation today

60
00:02:42,390 --> 00:02:40,000
and that presentation is a special flag

61
00:02:44,949 --> 00:02:42,400
uh that flag was handed to me uh

62
00:02:47,509 --> 00:02:44,959
personally just a few days before launch

63
00:02:50,070 --> 00:02:47,519

uh and the crew of sts-135 the final

64

00:02:51,830 --> 00:02:50,080

shuttle mission brought it to enter to

65

00:02:53,910 --> 00:02:51,840

the international space station and

66

00:02:55,990 --> 00:02:53,920

since we've been here we've prominently

67

00:02:56,790 --> 00:02:56,000

displayed the flag on the ford flight

68

00:02:57,990 --> 00:02:56,800

deck

69

00:03:00,309 --> 00:02:58,000

we actually had it there a little bit

70

00:03:02,390 --> 00:03:00,319

earlier on for a public affairs event

71

00:03:05,750 --> 00:03:02,400

but uh doug and i

72

00:03:06,470 --> 00:03:05,760

rex and sandy uh we just really liked it

73

00:03:09,589 --> 00:03:06,480

it

74

00:03:11,670 --> 00:03:09,599

symbolized what we were all here for and

75

00:03:13,670 --> 00:03:11,680

we left it there permanently and i think

76

00:03:15,430 --> 00:03:13,680

it made us feel good

77

00:03:17,270 --> 00:03:15,440

but we have that flag and that flag is

78

00:03:19,190 --> 00:03:17,280

significant not only because we brought

79

00:03:22,070 --> 00:03:19,200

it up on this flight but because it also

80

00:03:23,030 --> 00:03:22,080

flew on sts-1

81

00:03:30,869 --> 00:03:23,040

we can

82

00:03:35,990 --> 00:03:33,270

this flag represents not just a symbol

83

00:03:37,509 --> 00:03:36,000

of our national pride and honor

84

00:03:39,910 --> 00:03:37,519

but in this particular case it

85

00:03:42,550 --> 00:03:39,920

represents a goal

86

00:03:45,990 --> 00:03:42,560

this flag also will be flown prominently

87

00:03:47,670 --> 00:03:46,000

here by the forward hatch of no two to

88

00:03:49,910 --> 00:03:47,680

be returned

89

00:03:52,070 --> 00:03:49,920

to earth once again

90

00:03:55,190 --> 00:03:52,080

by an astronaut that launches on a us

91

00:03:57,110 --> 00:03:55,200

vehicle hopefully in just a few years

92

00:03:57,910 --> 00:03:57,120

ron i'd like to turn this flag over to

93

00:04:06,070 --> 00:03:57,920

you

94

00:04:08,429 --> 00:04:06,080

we're looking for a place to hang this

95

00:04:11,110 --> 00:04:08,439

flag that flew on sts-1 and

96

00:04:12,550 --> 00:04:11,120

sts-135 and uh you know when we were

97

00:04:14,229 --> 00:04:12,560

thinking about it we thought the harmony

98

00:04:16,229 --> 00:04:14,239

module would be the perfect place you

99

00:04:18,229 --> 00:04:16,239

know on our on our right we've got the

100

00:04:20,069 --> 00:04:18,239

japanese laboratory on our left we have

101

00:04:21,509 --> 00:04:20,079

the european laboratory

102

00:04:23,510 --> 00:04:21,519

in front of us we've got the hash that

103

00:04:24,550 --> 00:04:23,520

leads to the us laboratory the russian

104

00:04:26,950 --> 00:04:24,560

segment and the rest of the space

105

00:04:29,270 --> 00:04:26,960

station and above us and below us are

106

00:04:32,070 --> 00:04:29,280

hatches where visiting spacecraft can

107

00:04:33,830 --> 00:04:32,080

bring cargo but behind us

108

00:04:35,350 --> 00:04:33,840

going through that hatch right there

109

00:04:38,070 --> 00:04:35,360

right now that's the hatch that leads to

110

00:04:41,430 --> 00:04:38,080

atlantis and 35 space shuttles have

111

00:04:43,270 --> 00:04:41,440

docked to that remaining adapter that's

112

00:04:45,189 --> 00:04:43,280

attached just beyond that

113

00:04:46,790 --> 00:04:45,199

that hatch right there and

114

00:04:48,550 --> 00:04:46,800

you know during the course of the of the

115

00:04:49,749 --> 00:04:48,560

uh of the international space station

116

00:04:51,430 --> 00:04:49,759

construction

117

00:04:54,310 --> 00:04:51,440

all those space shuttles at that dock

118

00:04:56,870 --> 00:04:54,320

there left the legacy of this incredible

119

00:04:58,310 --> 00:04:56,880

orbiting research facility that not only

120

00:05:00,550 --> 00:04:58,320

uh is

121

00:05:02,230 --> 00:05:00,560

you know going to be a stepping stone

122

00:05:03,510 --> 00:05:02,240

uh to the rest of the

123

00:05:06,150 --> 00:05:03,520

exploration of the rest of the solar

124

00:05:07,909 --> 00:05:06,160

system it's also really improving life

125

00:05:09,430 --> 00:05:07,919

on our planet and so we thought it was a

126

00:05:11,990 --> 00:05:09,440

very fitting place

127

00:05:14,070 --> 00:05:12,000

to put that and as we put this flag on

128

00:05:15,990 --> 00:05:14,080

the hatch that leads to atlantis right

129

00:05:17,830 --> 00:05:16,000

now and when we close that hatch when

130

00:05:19,670 --> 00:05:17,840

these guys go by we're closing a chapter

131

00:05:22,230 --> 00:05:19,680

in the history of our nation

132

00:05:25,909 --> 00:05:22,240

but in the future when another

133

00:05:28,629 --> 00:05:25,919

spacecraft docks to that uh that hatch

134

00:05:31,350 --> 00:05:28,639

and with with crew members on board and

135

00:05:33,670 --> 00:05:31,360

we open that hatch we are going to be

136

00:05:35,990 --> 00:05:33,680

opening a new era and raising the flag

137

00:05:37,510 --> 00:05:36,000

on a new era of exploration beyond low

138

00:05:39,029 --> 00:05:37,520

earth orbit so it's a great honor to do

139

00:05:41,270 --> 00:05:39,039

that and it's a great place for us to

140

00:05:43,029 --> 00:05:41,280

put it

141

00:05:44,070 --> 00:05:43,039

thanks ron

142

00:05:47,270 --> 00:05:44,080

and

143

00:05:48,150 --> 00:05:47,280

when this flag returns again someday to

144

00:05:50,070 --> 00:05:48,160

earth

145

00:05:52,310 --> 00:05:50,080

by astronauts that came up on an

146

00:05:53,350 --> 00:05:52,320

american spacecraft its journey will not

147

00:05:55,590 --> 00:05:53,360

end there

148

00:05:57,830 --> 00:05:55,600

uh its journey will continue

149

00:05:59,430 --> 00:05:57,840

it will also uh on the heavy lift

150

00:06:00,950 --> 00:05:59,440

vehicle that the united states is

151

00:06:04,150 --> 00:06:00,960

currently working on

152

00:06:06,230 --> 00:06:04,160

it will leave low earth orbit once again

153

00:06:08,150 --> 00:06:06,240

perhaps to a lunar destination perhaps

154

00:06:10,629 --> 00:06:08,160

to mars

155

00:06:13,430 --> 00:06:10,639

i think i certainly speak on behalf of

156

00:06:15,990 --> 00:06:13,440

the sts-135 crew and on behalf of

157

00:06:17,670 --> 00:06:16,000

expedition 28 that it is our honor to

158

00:06:24,309 --> 00:06:17,680

have brought this flag here and to

159

00:06:28,469 --> 00:06:26,790

thanks for those inspiring words thank

160

00:06:29,830 --> 00:06:28,479

you for honoring the thousands of people

161

00:06:31,830 --> 00:06:29,840

that have been a part of the space

162

00:06:34,150 --> 00:06:31,840

shuttle program over the years

163

00:06:36,469 --> 00:06:34,160

and we look forward as you do to the day

164

00:06:38,870 --> 00:06:36,479

when that flag will return to earth

165

00:06:41,510 --> 00:06:38,880

with the u.s crew and then move on

166

00:06:43,749 --> 00:06:41,520

beyond our our low earth orbit thanks

167

00:06:45,430 --> 00:06:43,759

very much

168

00:06:48,469 --> 00:06:45,440

hey great words megan

169

00:06:50,790 --> 00:06:48,479

and now back to what we continue to be a

170

00:06:52,870 --> 00:06:50,800

more traditional farewell ceremony i'd

171

00:06:55,189 --> 00:06:52,880

like to uh thank the commander of the

172

00:06:57,110 --> 00:06:55,199

international uh space station andre

173

00:06:59,350 --> 00:06:57,120

borisenko for your hospitality you've

174

00:07:01,270 --> 00:06:59,360

been absolutely fantastic to us

175

00:07:04,550 --> 00:07:01,280

you and your crew have uh have

176

00:07:06,550 --> 00:07:04,560

demonstrated not only uh iss hospitality

177

00:07:08,469 --> 00:07:06,560

but you've demonstrated fantastic

178

00:07:10,309 --> 00:07:08,479

russian hospitality it's been wonderful

179

00:07:12,550 --> 00:07:10,319

to be here with you you have a wonderful

180

00:07:13,350 --> 00:07:12,560

home you're taking fantastic care of it

181

00:07:15,110 --> 00:07:13,360

and

182

00:07:17,110 --> 00:07:15,120

you are you're going to keep it looking

183

00:07:21,510 --> 00:07:17,120

good for generations of space travelers

184

00:07:25,189 --> 00:07:24,070

we have good progress

185

00:07:26,150 --> 00:07:25,199

and

186

00:07:27,589 --> 00:07:26,160

i would

187

00:07:37,909 --> 00:07:27,599

say you

188

00:07:43,029 --> 00:07:40,550

hey just a few words uh overall on the

189

00:07:45,350 --> 00:07:43,039

the mission itself uh you know this is a

190

00:07:46,869 --> 00:07:45,360

little bit of a unique mission uh for a

191

00:07:48,230 --> 00:07:46,879

couple different different reasons uh

192

00:07:50,390 --> 00:07:48,240

first of all we had uh kind of an

193

00:07:52,230 --> 00:07:50,400

abbreviated crew we had four shuttle

194

00:07:53,110 --> 00:07:52,240

crew coming up joining six space station

195

00:07:55,110 --> 00:07:53,120

crew

196

00:07:59,350 --> 00:07:55,120

uh i think in this particular instance

197

00:08:01,189 --> 00:07:59,360

it forces all to work as as a very tight

198

00:08:02,230 --> 00:08:01,199

team from the very beginning we had a

199

00:08:05,029 --> 00:08:02,240

lot of hope from our station

200

00:08:07,909 --> 00:08:05,039

counterparts uh

201

00:08:09,909 --> 00:08:07,919

sasha and andre sergey

202

00:08:12,790 --> 00:08:09,919

the very first day that we were adopted

203

00:08:15,110 --> 00:08:12,800

they showed up in the mplm it put me to

204

00:08:17,670 --> 00:08:15,120

work uh they were absolutely wonderful

205

00:08:19,350 --> 00:08:17,680

they were great sports and took care of

206

00:08:21,990 --> 00:08:19,360

uh actually stoking an awful lot of our

207

00:08:24,469 --> 00:08:22,000

cargo for us

208

00:08:27,110 --> 00:08:24,479

we uh we emptied the mplm uh finally

209

00:08:29,189 --> 00:08:27,120

today and just a short while ago

210

00:08:30,550 --> 00:08:29,199

put it back in the shuttle's payload bay

211

00:08:32,230 --> 00:08:30,560

hopefully with everything that should be

212

00:08:33,589 --> 00:08:32,240

on there and if not what's remaining is

213

00:08:35,430 --> 00:08:33,599

going to go through this hatch in just a

214

00:08:37,909 --> 00:08:35,440

moment but

215

00:08:39,829 --> 00:08:37,919

to the expedition 28 crew again thank

216

00:08:43,269 --> 00:08:39,839

you very much for your hospitality on

217

00:08:45,829 --> 00:08:43,279

behalf of the 135 crew

218

00:08:47,190 --> 00:08:45,839

well thanks fergie it's been an honor uh

219

00:08:48,710 --> 00:08:47,200

having you guys on board it's been great

220

00:08:50,230 --> 00:08:48,720

having you guys on board

221

00:08:52,630 --> 00:08:50,240

uh it's great being a part of this

222

00:08:53,670 --> 00:08:52,640

really important and historic mission

223

00:08:55,509 --> 00:08:53,680

and

224

00:08:58,470 --> 00:08:55,519

we want to just thank you guys so much

225

00:09:00,470 --> 00:08:58,480

for leaving the space station uh

226

00:09:02,070 --> 00:09:00,480

in a posture for for continued

227

00:09:04,070 --> 00:09:02,080

utilization continued use for the rest

228

00:09:06,710 --> 00:09:04,080

of the decade it's been it's been really

229

00:09:08,949 --> 00:09:06,720

great and uh you know i'd like to thank

230

00:09:11,430 --> 00:09:08,959

doug for all your work on the transfer

231

00:09:13,829 --> 00:09:11,440

and robotics it was just amazing and uh

232

00:09:15,670 --> 00:09:13,839

where's rex rex thank you for for all

233

00:09:18,550 --> 00:09:15,680

your your leadership and your dedication

234

00:09:20,870 --> 00:09:18,560

to hard work on the spacewalk you and

235

00:09:23,110 --> 00:09:20,880

the eva team on the ground really made

236

00:09:24,389 --> 00:09:23,120

that a big success and fergie thank you

237

00:09:26,070 --> 00:09:24,399

for your leadership thank you for

238

00:09:27,750 --> 00:09:26,080

bringing the guys here but of all your

239

00:09:29,030 --> 00:09:27,760

many many accomplishments that you did

240

00:09:30,790 --> 00:09:29,040

on this mission

241

00:09:32,710 --> 00:09:30,800

for us from our perspective the most

242

00:09:37,030 --> 00:09:32,720

important thing you did was bring sandy

243

00:09:41,590 --> 00:09:39,829

sandy we cannot thank you enough for

244

00:09:43,030 --> 00:09:41,600

always keeping the big picture in mind

245

00:09:45,509 --> 00:09:43,040

always keeping what life is going to be

246

00:09:47,590 --> 00:09:45,519

like after you guys leave uh

247

00:09:49,590 --> 00:09:47,600

you were just absolutely amazing we just

248

00:09:51,829 --> 00:09:49,600

cannot thank you enough for everything

249

00:09:53,350 --> 00:09:51,839

that you've done for us and you know we

250

00:09:54,870 --> 00:09:53,360

don't even realize it yet but in a

251
00:09:57,190 --> 00:09:54,880
couple of weeks we're going to be going

252
00:09:59,190 --> 00:09:57,200
wow i'm glad sandy was here and we tried

253
00:10:01,750 --> 00:09:59,200
to trade mike for sandy but fergie

254
00:10:03,030 --> 00:10:01,760
wouldn't take us up

255
00:10:04,870 --> 00:10:03,040
but

256
00:10:07,750 --> 00:10:04,880
frankie thank you and your crew so much

257
00:10:09,430 --> 00:10:07,760
um like i said it's you're really left

258
00:10:11,750 --> 00:10:09,440
in a good position so on behalf of the

259
00:10:13,750 --> 00:10:11,760
expedition 28 crew the entire iss

260
00:10:16,630 --> 00:10:13,760
program we'd like to thank you your crew

261
00:10:18,630 --> 00:10:16,640
and the entire sts-135 team for leaving

262
00:10:19,990 --> 00:10:18,640
the station ready to go for the rest of

263
00:10:21,509 --> 00:10:20,000

the decade so thank you very much all

264

00:10:24,069 --> 00:10:21,519

right it's our honor

265

00:10:28,470 --> 00:10:25,430

congratulations

266

00:10:42,310 --> 00:10:29,430

thank you

267

00:10:50,630 --> 00:10:44,710

good luck to you see you michael hey man

268

00:10:50,640 --> 00:10:55,710

yes i will have a safe

269

00:11:21,750 --> 00:10:58,710

landing good to see you take care thank

270

00:11:25,190 --> 00:11:22,949

all right we got everything on the right

271

00:11:26,710 --> 00:11:25,200

side we got our cameras

272

00:11:37,829 --> 00:11:26,720

we got the log we're gonna fill the log

273

00:11:37,839 --> 00:11:53,590

thumb drive for a ship's vlog

274

00:11:53,600 --> 00:11:59,350

be good

275

00:12:02,389 --> 00:12:00,790

thanksgiving buddy

276

00:12:03,750 --> 00:12:02,399

don't forget us up here enjoy all the

277

00:12:08,829 --> 00:12:03,760

fun now you're going to get an email