



**Doug Hurley**

STS-135 PILOT

1  
00:02:06,250 --> 00:01:09,380  
thank you for joining us today would you

2  
00:02:16,710 --> 00:02:12,590  
gave proof through the night that our

3  
00:02:29,220 --> 00:02:16,720  
flag was still there

4  
00:02:54,610 --> 00:02:41,720  
or the land of the free and the home of

5  
00:03:00,620 --> 00:02:57,020  
Thank You Pete Internet

6  
00:03:02,450 --> 00:03:00,630  
Peter networked for NASA out here I had

7  
00:03:05,480 --> 00:03:02,460  
no idea you had that kind of talent

8  
00:03:08,960 --> 00:03:05,490  
very good I'd like to welcome all of you

9  
00:03:12,440 --> 00:03:08,970  
today to our final shuttle crew return

10  
00:03:15,350 --> 00:03:12,450  
ceremony I'd like to introduce some of

11  
00:03:17,540 --> 00:03:15,360  
our distinguished visitors here today if

12  
00:03:23,210 --> 00:03:17,550  
I might please sit down up here if you

13  
00:03:31,130 --> 00:03:23,220

would thank you United States Senator

14

00:03:38,840 --> 00:03:31,140

kay Bailey Hutchinson Houston Mayor

15

00:03:44,980 --> 00:03:38,850

Annise Parker Jeanne cranes from the

16

00:03:54,350 --> 00:03:47,270

Bronson wood from the office of

17

00:03:56,420 --> 00:03:54,360

Representative Sheila Jackson-Lee Twyla

18

00:04:03,730 --> 00:03:56,430

Lynn blade and Duty Armstrong from the

19

00:04:13,400 --> 00:04:06,350

Jerry Goodman office of state

20

00:04:18,979 --> 00:04:13,410

representative Larry Taylor Houston City

21

00:04:18,989 --> 00:04:26,089

Houston City Councilman Stephen Costello

22

00:04:26,099 --> 00:04:33,589

Galveston County Judge Mark Henry

23

00:04:33,599 --> 00:04:40,640

Webster City Councilman Bill Jones

24

00:04:40,650 --> 00:04:48,740

Webster mayor pro town Beverly Gaines

25

00:04:58,439 --> 00:04:51,059

Suzie Allen office of Harris County

26

00:05:00,600 --> 00:04:58,449

Commissioner Jack Mormon at this point

27

00:05:12,920 --> 00:05:00,610

I'd like to invite senator kay Bailey

28

00:05:20,670 --> 00:05:17,339

well thank you thank you welcome home

29

00:05:23,520 --> 00:05:20,680

and thank all of you for coming out you

30

00:05:27,390 --> 00:05:23,530

know this is such a special place this

31

00:05:30,559 --> 00:05:27,400

is where it all started and I want to

32

00:05:35,459 --> 00:05:30,569

just take a couple of the quotes from

33

00:05:39,990 --> 00:05:35,469

John F Kennedy whose vision started our

34

00:05:45,149 --> 00:05:40,000

quest for preeminence in space because

35

00:05:49,110 --> 00:05:45,159

it's so relevant today he said why some

36

00:05:53,610 --> 00:05:49,120

say go to the moon you might as well ask

37

00:05:58,409 --> 00:05:53,620

why we climb the highest mountain why 35

38

00:06:02,320 --> 00:05:58,419

years ago did we fly the Atlantic why

39

00:06:16,550 --> 00:06:05,839

we choose to go to the moon not because

40

00:06:22,010 --> 00:06:16,560

it's easy but because it is hard so we

41

00:06:25,730 --> 00:06:22,020

are here now at the end of an era but

42

00:06:33,950 --> 00:06:25,740

not the end of Americans flying into

43

00:06:36,580 --> 00:06:33,960

space and finding out what's next I was

44

00:06:41,600 --> 00:06:36,590

here a couple of weeks ago with Mike and

45

00:06:44,629 --> 00:06:41,610

dr. Samuel ting and I saw why we are

46

00:06:48,080 --> 00:06:44,639

going to continue I saw the light in

47

00:06:50,570 --> 00:06:48,090

that Nobel laureates eyes when he saw

48

00:06:52,969 --> 00:06:50,580

the cosmic rays that were hitting the

49

00:06:57,409 --> 00:06:52,979

spectrometer that had been put on the

50

00:06:59,779 --> 00:06:57,419

space station in May that is why we're

51  
00:07:02,300 --> 00:06:59,789  
going to continue because we have seen

52  
00:07:05,959 --> 00:07:02,310  
the discoveries and what they have done

53  
00:07:10,399 --> 00:07:05,969  
for us in the past but we don't rely on

54  
00:07:12,740 --> 00:07:10,409  
the past we look to the future and oh by

55  
00:07:20,950 --> 00:07:12,750  
the way rice is still playing Texas this

56  
00:07:25,550 --> 00:07:20,960  
year so I want you to know that I fought

57  
00:07:32,540 --> 00:07:25,560  
to put this last mission on the books it

58  
00:07:36,339 --> 00:07:32,550  
was going to be a possibility and I want

59  
00:07:41,209 --> 00:07:36,349  
to say to this crew who flew it

60  
00:07:44,749 --> 00:07:41,219  
flawlessly I breathed a big sigh of

61  
00:07:49,640 --> 00:07:44,759  
relief because if you'd crash that ship

62  
00:07:51,439 --> 00:07:49,650  
I'd have been in real trouble so I want

63  
00:07:55,159 --> 00:07:51,449

to say one other thing to this crew

64

00:07:59,120 --> 00:07:55,169

because they really left the symbol of

65

00:08:02,180 --> 00:07:59,130

our will to go forward when they took

66

00:08:06,140 --> 00:08:02,190

the flag that started everything 30

67

00:08:08,749 --> 00:08:06,150

years ago and they left it up there and

68

00:08:12,850 --> 00:08:08,759

said it's not coming back until an

69

00:08:15,010 --> 00:08:12,860

American goes up in an American ship

70

00:08:18,100 --> 00:08:15,020

to retrieve that flag and bring it back

71

00:08:22,929 --> 00:08:18,110

to earth thank you for that thank you

72

00:08:25,629 --> 00:08:22,939

and we will my heart is in it and we

73

00:08:26,950 --> 00:08:25,639

will make it happen thank you thank you

74

00:08:31,480 --> 00:08:26,960

thank you Mike

75

00:08:34,899 --> 00:08:31,490

I do have resolutions that were passed

76

00:08:37,589 --> 00:08:34,909

by the Senate by Senator Bill Nelson the

77

00:08:40,959 --> 00:08:37,599

only astronaut in the Senate right now

78

00:08:43,269 --> 00:08:40,969

bill Nelson is your champion too and we

79

00:08:48,370 --> 00:08:43,279

passed this resolution congratulating

80

00:08:53,230 --> 00:08:48,380

you and every one of you in NASA who has

81

00:09:11,370 --> 00:08:53,240

given us almost 40 years of success in

82

00:09:16,030 --> 00:09:13,870

they senator if you'd stay up here with

83

00:09:30,660 --> 00:09:16,040

us please mayor Parker would you please

84

00:09:40,360 --> 00:09:37,329

well hello everybody for for mayor

85

00:09:42,280 --> 00:09:40,370

Parker we took up and for the entire

86

00:09:44,889 --> 00:09:42,290

city of Houston we took up a banner

87

00:09:47,889 --> 00:09:44,899

because we know that the lives of those

88

00:09:49,630 --> 00:09:47,899

of us at JSC and the lives of the cities

89

00:09:52,660 --> 00:09:49,640

the citizens of Houston are so

90

00:09:54,579 --> 00:09:52,670

intertwined we wanted to we want to just

91

00:09:56,380 --> 00:09:54,589

express our thanks for everything that

92

00:09:57,400 --> 00:09:56,390

you've done for us I know that we've

93

00:09:59,050 --> 00:09:57,410

been through some trials and

94

00:10:02,319 --> 00:09:59,060

tribulations over the last couple years

95

00:10:04,420 --> 00:10:02,329

and I think if I'd I think Houston has

96

00:10:07,000 --> 00:10:04,430

taken it on the chin a little bit so we

97

00:10:08,829 --> 00:10:07,010

wanted to tell you as a representative

98

00:10:12,400 --> 00:10:08,839

of our great city of Houston that

99

00:10:14,620 --> 00:10:12,410

Houston is always and was and will

100

00:10:25,799 --> 00:10:14,630

remain the first word in space and I'd

101

00:10:31,329 --> 00:10:28,720

we flew this up with us which is notice

102

00:10:33,069 --> 00:10:31,339

all the folds it was conveniently tucked

103

00:10:34,179 --> 00:10:33,079

in a very compact area the space shuttle

104

00:10:36,069 --> 00:10:34,189

but we brought it home and we'd like to

105

00:10:48,999 --> 00:10:36,079

present this to you on behalf of the

106

00:10:51,879 --> 00:10:49,009

astronauts for the city of Houston we're

107

00:10:55,869 --> 00:10:51,889

absolutely absolutely honored to have it

108

00:10:59,230 --> 00:10:55,879

we will display it proudly and you said

109

00:11:02,650 --> 00:10:59,240

that euston have taken some hits lately

110

00:11:04,480 --> 00:11:02,660

but you know Johnson Space Center is

111

00:11:05,980 --> 00:11:04,490

Houston and Houston is Johnson Space

112

00:11:13,900 --> 00:11:05,990

Center we're in all we're in this

113

00:11:15,579 --> 00:11:13,910

together there's a frame there's some

114

00:11:18,449 --> 00:11:15,589

phrases that many of us know and they're

115

00:11:21,400 --> 00:11:18,459

from the Apostle Paul and he said I

116

00:11:26,949 --> 00:11:21,410

fought the good fight I finished the

117

00:11:32,019 --> 00:11:26,959

course I kept the faith and in this last

118

00:11:33,939 --> 00:11:32,029

mission sts-135 you finished the course

119

00:11:42,390 --> 00:11:33,949

and you kept the faith with the American

120

00:11:52,030 --> 00:11:47,500

if you were a 30-something your vision

121

00:11:54,310 --> 00:11:52,040

of space is the space shuttle for those

122

00:11:56,650 --> 00:11:54,320

of us of my generation I grew up with

123

00:11:59,650 --> 00:11:56,660

the space program Mercury and Apollo and

124

00:12:02,410 --> 00:11:59,660

the space shuttle and I have a range of

125

00:12:04,420 --> 00:12:02,420

memories but for many of the people here

126

00:12:07,620 --> 00:12:04,430

today this space shuttle II is the only

127

00:12:10,810 --> 00:12:07,630

memory they'll have we don't know yet

128

00:12:14,800 --> 00:12:10,820

what that next vision of space will be

129

00:12:18,280 --> 00:12:14,810

and what the memories will be for the

130

00:12:22,810 --> 00:12:18,290

smallest ones who are here today but we

131

00:12:27,490 --> 00:12:22,820

are all committed to American presence

132

00:12:35,950 --> 00:12:27,500

in space and human beings exploring the

133

00:12:37,900 --> 00:12:35,960

universe it is in our DNA to want to

134

00:12:40,180 --> 00:12:37,910

know what is across the river over the

135

00:12:43,060 --> 00:12:40,190

mountain beyond the ocean on the

136

00:12:48,250 --> 00:12:43,070

backside of the moon on Mars and we will

137

00:12:51,430 --> 00:12:48,260

continue to do that for those of you who

138

00:12:56,020 --> 00:12:51,440

piloted this or who participated in this

139

00:12:59,650 --> 00:12:56,030

last mission your Houston family has

140

00:13:01,960 --> 00:12:59,660

worked with you and over the years of

141

00:13:04,330 --> 00:13:01,970

the space program we have celebrated you

142

00:13:08,560 --> 00:13:04,340

with you and we have mourned with you

143

00:13:26,180 --> 00:13:08,570

but today all of Houston is here to say

144

00:13:32,190 --> 00:13:28,800

Thank You mayor Parker and Senator

145

00:13:36,150 --> 00:13:32,200

Hutchison now I know you're anxious to

146

00:13:39,810 --> 00:13:36,160

hear from the crew as I am but I want to

147

00:13:43,130 --> 00:13:39,820

emphasize that we only have four crewmen

148

00:13:46,650 --> 00:13:43,140

up here when we usually have seven and

149

00:13:48,630 --> 00:13:46,660

yet they had the work to do of seven

150

00:13:52,829 --> 00:13:48,640

crewmen up there and this was a very

151

00:13:55,769 --> 00:13:52,839

very busy flight they offloaded

152

00:13:57,960 --> 00:13:55,779

thousands of pounds of badly needed

153

00:14:01,650 --> 00:13:57,970

cargo on the International Space Station

154

00:14:04,110 --> 00:14:01,660

and by the way loaded thousands of

155

00:14:07,680 --> 00:14:04,120

pounds of cargo back onto the shuttle to

156

00:14:12,050 --> 00:14:07,690

bring home and they worked constantly to

157

00:14:16,079 --> 00:14:12,060

do that and that was no small task and

158

00:14:17,370 --> 00:14:16,089

we were amazed in fact we were joking at

159

00:14:20,370 --> 00:14:17,380

some of the mission management team

160

00:14:22,320 --> 00:14:20,380

daily meetings we said gosh we could

161

00:14:27,560 --> 00:14:22,330

have been flying four crewmen all these

162

00:14:30,690 --> 00:14:27,570

years we didn't want that to get out

163

00:14:34,260 --> 00:14:30,700

there but they did an amazing job and an

164

00:14:37,560 --> 00:14:34,270

amazing crew up there if we have to quit

165

00:14:40,110 --> 00:14:37,570

flying the shuttle and we do it's nice

166

00:14:50,150 --> 00:14:40,120

to go out on top and you took us out on

167

00:14:55,380 --> 00:14:53,010

you made all of us look good and thank

168

00:15:01,950 --> 00:14:55,390

you with that I'd like to introduce the

169

00:15:11,170 --> 00:15:01,960

commander of sts-124 gessen nice landing

170

00:15:16,189 --> 00:15:13,850

well thank you so much and thank you all

171

00:15:18,230 --> 00:15:16,199

for coming out in masks like this I

172

00:15:20,689 --> 00:15:18,240

think this is this is living proof that

173

00:15:23,900 --> 00:15:20,699

the dream is still alive and will remain

174

00:15:25,639 --> 00:15:23,910

alive through this this little period of

175

00:15:29,480 --> 00:15:25,649

layoffs if you will that we're going to

176

00:15:31,429 --> 00:15:29,490

have for the next few years I have and

177

00:15:33,379 --> 00:15:31,439

by the way it's duly noted that I'm

178

00:15:35,960 --> 00:15:33,389

sitting and you're standing and we'll

179

00:15:37,790 --> 00:15:35,970

keep this appropriately short and again

180

00:15:40,369 --> 00:15:37,800

I know it's an extremely warm summer

181

00:15:42,980 --> 00:15:40,379

afternoon in Houston but but we had just

182

00:15:45,800 --> 00:15:42,990

have a few things we want to say first I

183

00:15:48,710 --> 00:15:45,810

have three key groups that we have to

184

00:15:50,900 --> 00:15:48,720

thank not the least of which and the

185

00:15:53,600 --> 00:15:50,910

first and foremost is the commander in

186

00:16:03,530 --> 00:15:53,610

chief of my household my wife sandy

187

00:16:05,900 --> 00:16:03,540

Ferguson sandy you have let me follow my

188

00:16:07,910 --> 00:16:05,910

childhood dreams for a lot of years now

189

00:16:10,160 --> 00:16:07,920

and for that I'm ever appreciative and

190

00:16:11,780 --> 00:16:10,170

to my children Lara Eric and Ian you

191

00:16:13,369 --> 00:16:11,790

have the best mom in the universe and

192

00:16:21,550 --> 00:16:13,379

and you're great in your own right and

193

00:16:26,650 --> 00:16:23,770

second I have to thank the architects of

194

00:16:30,910 --> 00:16:26,660

this mission and they are our IPT

195

00:16:33,400 --> 00:16:30,920

chairperson Steve Geller our launch

196

00:16:36,520 --> 00:16:33,410

package management team Steve Huey our

197

00:16:38,890 --> 00:16:36,530

chief flight director on the shuttle

198

00:16:40,120 --> 00:16:38,900

side quazy Ala Bravo and our chief

199

00:16:42,490 --> 00:16:40,130

flight director on the station side

200

00:16:44,980 --> 00:16:42,500

Chris Edelen you guys made a fantastic

201  
00:16:52,480 --> 00:16:44,990  
plan and all we had to do with it was

202  
00:16:55,420 --> 00:16:52,490  
executed and thank you very much and

203  
00:16:57,100 --> 00:16:55,430  
then finally the third group you know if

204  
00:16:59,440 --> 00:16:57,110  
I could go back 40 years and thank

205  
00:17:01,330 --> 00:16:59,450  
anybody who had anything to do with the

206  
00:17:03,550 --> 00:17:01,340  
architecture of the shuttle and the fact

207  
00:17:05,830 --> 00:17:03,560  
that it had trials and tribulations that

208  
00:17:08,200 --> 00:17:05,840  
we managed to work through over the last

209  
00:17:09,910 --> 00:17:08,210  
I say 30 but it's really 40 if you

210  
00:17:11,850 --> 00:17:09,920  
consider how long it took to develop and

211  
00:17:14,260 --> 00:17:11,860  
then and then launch the space shuttle

212  
00:17:16,450 --> 00:17:14,270  
all I can really do is just highlight

213  
00:17:18,310 --> 00:17:16,460

the what I call the modern-day Titans of

214

00:17:19,960 --> 00:17:18,320

the program and I know that I'm going to

215

00:17:21,820 --> 00:17:19,970

leave some names out and for those of

216

00:17:24,310 --> 00:17:21,830

you whose names I leave out I apologize

217

00:17:30,120 --> 00:17:24,320

but I'm gonna highlight John Shannon

218

00:17:32,950 --> 00:17:30,130

Leroy Cain Mike Moses bill McArthur and

219

00:17:35,980 --> 00:17:32,960

John Casper and I know I'm leaving names

220

00:17:37,540 --> 00:17:35,990

out but you guys are the ones who lead

221

00:17:40,960 --> 00:17:37,550

this team and I would ask that you

222

00:17:42,160 --> 00:17:40,970

convey our thanks to everyone who led

223

00:17:45,420 --> 00:17:42,170

the shuttle through a very difficult

224

00:17:48,940 --> 00:17:45,430

time it is hard to keep a vehicle safe

225

00:17:50,770 --> 00:17:48,950

and effective up until the day it's

226

00:17:52,600 --> 00:17:50,780

retired there's always that tendency to

227

00:17:54,040 --> 00:17:52,610

slack off and you guys have managed that

228

00:17:56,500 --> 00:17:54,050

I think through one of the most

229

00:17:59,620 --> 00:17:56,510

tumultuous periods that in an aircraft

230

00:18:01,300 --> 00:17:59,630

or an airframes life lifespan and that

231

00:18:03,520 --> 00:18:01,310

is just prior to retirement you did a

232

00:18:15,040 --> 00:18:03,530

wonderful job and you all in my opinion

233

00:18:20,360 --> 00:18:18,140

we have as a crew have tried to keep

234

00:18:23,060 --> 00:18:20,370

things very upbeat and to keep it a

235

00:18:24,470 --> 00:18:23,070

celebration a celebration of like I said

236

00:18:25,820 --> 00:18:24,480

the trials and tribulations of the

237

00:18:28,010 --> 00:18:25,830

shuttles thirty years we have done

238

00:18:29,690 --> 00:18:28,020

fantastic things and and I know you've

239

00:18:34,040 --> 00:18:29,700

heard us talk about them you know what

240

00:18:35,360 --> 00:18:34,050

they are I don't need to repeat them but

241

00:18:37,550 --> 00:18:35,370

there are going to be challenges there's

242

00:18:39,200 --> 00:18:37,560

going to be some challenges as we go

243

00:18:41,690 --> 00:18:39,210

forward from here and the challenge is

244

00:18:43,880 --> 00:18:41,700

is going to be keep not only our focus

245

00:18:45,860 --> 00:18:43,890

on where we are headed but to try to

246

00:18:47,840 --> 00:18:45,870

keep the American public focused as well

247

00:18:50,030 --> 00:18:47,850

there was an interesting article in The

248

00:18:52,970 --> 00:18:50,040

Wall Street Journal this morning and it

249

00:18:54,530 --> 00:18:52,980

began that in spite and I'm paraphrasing

250

00:18:56,480 --> 00:18:54,540

I don't remember the exact first

251

00:18:59,060 --> 00:18:56,490

paragraph but it said that in spite of

252

00:19:00,920 --> 00:18:59,070

the additional attention paid to the

253

00:19:03,440 --> 00:19:00,930

final mission of the space shuttle that

254

00:19:05,960 --> 00:19:03,450

the overall attention paid to the space

255

00:19:08,810 --> 00:19:05,970

program by the American public is still

256

00:19:10,490 --> 00:19:08,820

I think the word they used was waning

257

00:19:13,850 --> 00:19:10,500

but I can't remember exactly what it was

258

00:19:15,890 --> 00:19:13,860

I would actually like to take the

259

00:19:19,400 --> 00:19:15,900

alternate act and that fact would be

260

00:19:20,990 --> 00:19:19,410

that if there is interest it's waning

261

00:19:23,810 --> 00:19:21,000

and there is a certain degree of that I

262

00:19:27,620 --> 00:19:23,820

would say that what we need to do is we

263

00:19:30,200 --> 00:19:27,630

need focus we need a 10 or 20 year focus

264

00:19:32,450 --> 00:19:30,210

a plan that cannot be deviated from we

265

00:19:44,580 --> 00:19:32,460

need a very clear objective to go

266

00:19:49,600 --> 00:19:47,440

once we get that objective and once we

267

00:19:51,700 --> 00:19:49,610

start building that next vehicle and

268

00:19:54,639 --> 00:19:51,710

that next vehicle is not too far away

269

00:19:57,009 --> 00:19:54,649

once we start building that vehicle we

270

00:19:59,860 --> 00:19:57,019

will get the interest of the American

271

00:20:10,210 --> 00:19:59,870

public because I believe that if we

272

00:20:12,700 --> 00:20:10,220

build it they will come I just want to

273

00:20:15,279 --> 00:20:12,710

conclude by just illustrating how

274

00:20:16,570 --> 00:20:15,289

far-reaching the interest in what we do

275

00:20:18,789 --> 00:20:16,580

here in Houston here and what the

276

00:20:21,460 --> 00:20:18,799

interest in this final flight has been I

277

00:20:23,169 --> 00:20:21,470

got a shout out for our folks our

278

00:20:25,210 --> 00:20:23,179

soldiers in Afghanistan

279

00:20:29,289 --> 00:20:25,220

that's a corporal tyler ruiz tyson of

280

00:20:32,289 --> 00:20:29,299

Friendswood hey you're not in

281

00:20:34,690 --> 00:20:32,299

Afghanistan I know we have a lot of our

282

00:20:35,980 --> 00:20:34,700

friends a lot of our friends friends

283

00:20:38,259 --> 00:20:35,990

perhaps relatives that are serving

284

00:20:39,850 --> 00:20:38,269

overseas well these folks from the 3/2

285

00:20:42,940 --> 00:20:39,860

Battalion Lima Company third Platoon

286

00:20:45,370 --> 00:20:42,950

from Camp Lejeune have been watching

287

00:20:47,680 --> 00:20:45,380

this mission and they they bow that they

288

00:20:49,450 --> 00:20:47,690

fall they follow NASA and they found

289

00:20:52,060 --> 00:20:49,460

followed every single step of the

290

00:20:53,710 --> 00:20:52,070

sts-135 on mission from the very

291

00:20:55,509 --> 00:20:53,720

beginning to the very end and for that

292

00:21:05,090 --> 00:20:55,519

we thank you and we thank you for your

293

00:21:09,299 --> 00:21:07,560

I'd said yesterday Kennedy Space Center

294

00:21:11,490 --> 00:21:09,309

what you do in space is not nearly as

295

00:21:14,010 --> 00:21:11,500

important as who you do it with and I

296

00:21:16,789 --> 00:21:14,020

had the privilege of serving with what I

297

00:21:19,139 --> 00:21:16,799

consider to be three of the most dynamic

298

00:21:20,940 --> 00:21:19,149

professional and at times even

299

00:21:22,500 --> 00:21:20,950

entertaining people that I could ever

300

00:21:25,470 --> 00:21:22,510

imagine

301  
00:21:27,060 --> 00:21:25,480  
to my left is the pilot Doug Hurley you

302  
00:21:27,600 --> 00:21:27,070  
know if there could be Co commanders on

303  
00:21:29,220 --> 00:21:27,610  
a mission

304  
00:21:33,210 --> 00:21:29,230  
Doug would have been the co commander of

305  
00:21:35,940 --> 00:21:33,220  
this mission he he backed me up he he he

306  
00:21:39,810 --> 00:21:35,950  
checked my each and every move he saved

307  
00:21:42,240 --> 00:21:39,820  
me on a couple occasions and he did all

308  
00:21:45,299 --> 00:21:42,250  
things robotic I mean he did the flight

309  
00:21:47,070 --> 00:21:45,309  
day two and the the landing inspection

310  
00:21:48,840 --> 00:21:47,080  
pretty much single-handedly with a

311  
00:21:51,990 --> 00:21:48,850  
little bit of help of course we were

312  
00:21:54,389 --> 00:21:52,000  
spread a little thin he assisted in the

313  
00:21:57,149 --> 00:21:54,399

transfer he did an incredible undocking

314

00:21:58,710 --> 00:21:57,159

and fly around and in my opinion it was

315

00:22:00,720 --> 00:21:58,720

just an absolute pleasure to serve with

316

00:22:02,669 --> 00:22:00,730

him my one regret is that there's not

317

00:22:11,110 --> 00:22:02,679

another mission left for him to command

318

00:22:18,289 --> 00:22:15,020

thanks Chris I will also try to keep it

319

00:22:20,390 --> 00:22:18,299

really short but there's one element of

320

00:22:23,900 --> 00:22:20,400

a shuttle mission that can't be ignored

321

00:22:25,760 --> 00:22:23,910

and and is a huge part of a success or

322

00:22:27,409 --> 00:22:25,770

reasonable amount of success that that

323

00:22:31,730 --> 00:22:27,419

you may have an orbit and that is

324

00:22:33,140 --> 00:22:31,740

training and we lucked out we we got the

325

00:22:39,409 --> 00:22:33,150

pick of the litter with with our

326

00:22:41,600 --> 00:22:39,419

training team Juan Garriga you know we

327

00:22:43,250 --> 00:22:41,610

we can't thank you enough and and and

328

00:22:45,560 --> 00:22:43,260

just to put a little bit more on this

329

00:22:47,240 --> 00:22:45,570

you know these folks knew that the end

330

00:22:51,140 --> 00:22:47,250

of the program was coming and they chose

331

00:22:55,250 --> 00:22:51,150

to be our trainers till the end and that

332

00:22:57,110 --> 00:22:55,260

that is just true dedication sorry my

333

00:23:04,820 --> 00:22:57,120

son wants to come up on stage it looks

334

00:23:07,250 --> 00:23:04,830

like I we just you know we'll think of

335

00:23:09,080 --> 00:23:07,260

many many times from here on out and we

336

00:23:11,960 --> 00:23:09,090

thank them from orbit but Juan thank you

337

00:23:16,930 --> 00:23:11,970

so much your team everybody we really

338

00:23:21,999 --> 00:23:20,259

and then the other aspect those are you

339

00:23:24,249 --> 00:23:22,009

or that are familiar with shuttle

340

00:23:26,229 --> 00:23:24,259

training shuttle training flow you know

341

00:23:28,599 --> 00:23:26,239

once your training team has their way

342

00:23:31,149 --> 00:23:28,609

with you and embarrasses you and makes

343

00:23:33,849 --> 00:23:31,159

you feel very tiny for making mistakes

344

00:23:36,279 --> 00:23:33,859

and challenges you then they let us off

345

00:23:39,210 --> 00:23:36,289

to the to the integrated sim world and

346

00:23:44,049 --> 00:23:39,220

our sim soups have their way with us and

347

00:23:49,060 --> 00:23:44,059

Hendra on posi Dave Petrie Mike Jensen

348

00:23:52,839 --> 00:23:49,070

on the station side and of course the

349

00:23:55,359 --> 00:23:52,849

the the wonderful Lisa Martin Eddie 4sn

350

00:23:57,489 --> 00:23:55,369

entry she she had a lot of fun with us

351  
00:23:59,889 --> 00:23:57,499  
and we can't thank those folks enough

352  
00:24:02,649 --> 00:23:59,899  
for for the scripts that we got and I

353  
00:24:04,779 --> 00:24:02,659  
felt like and all phases of flight we

354  
00:24:07,479 --> 00:24:04,789  
were we were well-prepared even with a

355  
00:24:15,570 --> 00:24:07,489  
smaller crew so once again thanks so

356  
00:24:22,460 --> 00:24:19,979  
and you know you you can't even begin to

357  
00:24:27,109 --> 00:24:22,470  
embark on an adventure like this without

358  
00:24:31,139 --> 00:24:27,119  
just some wonderful support and help and

359  
00:24:33,989 --> 00:24:31,149  
love and all those things at home and my

360  
00:24:36,359 --> 00:24:33,999  
wife Karen you know she's training for

361  
00:24:40,200 --> 00:24:36,369  
her own mission and she had to deal with

362  
00:24:44,100 --> 00:24:40,210  
this nine-month whirlwind I just I oh

363  
00:24:46,229 --> 00:24:44,110

yeah and we've got another couple years

364

00:24:48,840 --> 00:24:46,239

before your start so I'm looking forward

365

00:24:55,259 --> 00:24:48,850

to it and thanks so much for Jack and I

366

00:24:59,340 --> 00:24:55,269

hope he comes back with that the

367

00:25:04,169 --> 00:24:59,350

centerpiece of the sts-135 crew is none

368

00:25:08,729 --> 00:25:04,179

other than dr. Sandra Magnus as we like

369

00:25:12,119 --> 00:25:08,739

to refer to her she's I think we had

370

00:25:15,320 --> 00:25:12,129

several nicknames nice nicknames on

371

00:25:17,940 --> 00:25:15,330

orbit but I think the queen of transfer

372

00:25:19,409 --> 00:25:17,950

sticks with me the most we also if she

373

00:25:22,889 --> 00:25:19,419

was on the Russian side we called her to

374

00:25:27,139 --> 00:25:22,899

this arena of transfer but you know

375

00:25:30,419 --> 00:25:27,149

she's when we docked sandy took over and

376

00:25:32,999 --> 00:25:30,429

basically became the de facto commander

377

00:25:34,349 --> 00:25:33,009

of the space station shuttle complex for

378

00:25:38,279 --> 00:25:34,359

those eight days that we were there I

379

00:25:40,379 --> 00:25:38,289

think it was eight days and just I there

380

00:25:41,729 --> 00:25:40,389

was there's nobody else I think in our

381

00:25:46,109 --> 00:25:41,739

office that could have pulled that off

382

00:25:48,149 --> 00:25:46,119

and she's she's a great reason for for

383

00:25:51,690 --> 00:25:48,159

the success of this mission she was a

384

00:25:56,660 --> 00:25:51,700

pleasure to work with and sandy take it

385

00:26:00,930 --> 00:25:59,250

what what Doug was trying to say

386

00:26:02,880 --> 00:26:00,940

politely was that I turned into this

387

00:26:04,620 --> 00:26:02,890

absolute horrible dictator and worked

388

00:26:05,880 --> 00:26:04,630

them finger to bone for eight particular

389

00:26:08,040 --> 00:26:05,890

days

390

00:26:10,110 --> 00:26:08,050

mr. Coates mentioned that we had a lot

391

00:26:12,420 --> 00:26:10,120

of transfer of thousands of pounds back

392

00:26:14,520 --> 00:26:12,430

and forth across the hatches and of

393

00:26:16,620 --> 00:26:14,530

course our space station crew the

394

00:26:18,060 --> 00:26:16,630

Russian crew and the American crew up

395

00:26:21,120 --> 00:26:18,070

there they all pitched in to help out

396

00:26:23,670 --> 00:26:21,130

but execution of a mission is only part

397

00:26:25,410 --> 00:26:23,680

a very very small part of the success of

398

00:26:27,720 --> 00:26:25,420

a mission and we mentioned this from

399

00:26:29,910 --> 00:26:27,730

orbit that 99% of the success of any

400

00:26:31,560 --> 00:26:29,920

mission goes into the planning because

401  
00:26:33,300 --> 00:26:31,570  
if you don't start out with a good plan

402  
00:26:35,850 --> 00:26:33,310  
you're just doomed to failure from the

403  
00:26:38,730 --> 00:26:35,860  
very start and we were very lucky on

404  
00:26:41,520 --> 00:26:38,740  
this mission to have a superb team of

405  
00:26:43,050 --> 00:26:41,530  
the logistics people working out all the

406  
00:26:45,270 --> 00:26:43,060  
details of how we're gonna move all

407  
00:26:47,400 --> 00:26:45,280  
these bags so first and foremost I would

408  
00:26:49,350 --> 00:26:47,410  
once again like to thank Jeremy Olin and

409  
00:26:51,810 --> 00:26:49,360  
his team for all of the hard work that

410  
00:26:54,030 --> 00:26:51,820  
they did and planning out how we were

411  
00:26:56,070 --> 00:26:54,040  
going to unpack this big monster cargo

412  
00:26:58,200 --> 00:26:56,080  
vehicle and trade it back without their

413  
00:27:00,120 --> 00:26:58,210

hard work and their dedication and their

414

00:27:02,460 --> 00:27:00,130

persistence and their attention to

415

00:27:04,560 --> 00:27:02,470

detail we would have been doomed to the

416

00:27:06,480 --> 00:27:04,570

from the very start regardless of how

417

00:27:10,740 --> 00:27:06,490

much of a dictator I was once we got to

418

00:27:12,830 --> 00:27:10,750

the space station also Mike Meyer and

419

00:27:15,060 --> 00:27:12,840

the ACO team you guys did a great job

420

00:27:16,650 --> 00:27:15,070

sort of ironing out all the wrinkles in

421

00:27:18,990 --> 00:27:16,660

the plan and keeping the time line up

422

00:27:21,000 --> 00:27:19,000

and getting us prepared for all of those

423

00:27:23,160 --> 00:27:21,010

activities and the Osos with Rebecca

424

00:27:25,260 --> 00:27:23,170

Winfield in your group helping us set up

425

00:27:27,480 --> 00:27:25,270

for all of the small detail kinds of

426  
00:27:30,330 --> 00:27:27,490  
activities we were doing in the mplm and

427  
00:27:32,490 --> 00:27:30,340  
all of the preparation to get in and out

428  
00:27:34,350 --> 00:27:32,500  
of the mplm you streamlined that it

429  
00:27:36,810 --> 00:27:34,360  
allowed us to work very very efficiently

430  
00:27:38,490 --> 00:27:36,820  
on orbit it was really great to be on

431  
00:27:40,530 --> 00:27:38,500  
the space station again I want you all

432  
00:27:41,070 --> 00:27:40,540  
to know it's in great shape all of your

433  
00:27:43,050 --> 00:27:41,080  
hard work

434  
00:27:44,730 --> 00:27:43,060  
and all of the persistence and all the

435  
00:27:46,740 --> 00:27:44,740  
attention to detail and all of the care

436  
00:27:48,690 --> 00:27:46,750  
you put into that station is paying off

437  
00:27:58,160 --> 00:27:48,700  
it's beautiful we're set for the next

438  
00:28:02,330 --> 00:28:00,710

we felt like we had a part of each and

439

00:28:03,830 --> 00:28:02,340

every one of you up there with us and

440

00:28:05,960 --> 00:28:03,840

hopefully we conveyed a little bit that

441

00:28:07,669 --> 00:28:05,970

during the mission and finally I would

442

00:28:09,830 --> 00:28:07,679

like to thank my family for supporting

443

00:28:11,480 --> 00:28:09,840

me for so many years my mom who's here

444

00:28:13,460 --> 00:28:11,490

today Rose Hall and my two sisters and

445

00:28:15,140 --> 00:28:13,470

my brother who aren't here but they bent

446

00:28:16,910 --> 00:28:15,150

they troop down to Florida for every

447

00:28:18,710 --> 00:28:16,920

launch and my sister even made it for

448

00:28:20,299 --> 00:28:18,720

the landing and even though it's hard to

449

00:28:22,070 --> 00:28:20,309

watch someone you love launch off the

450

00:28:23,330 --> 00:28:22,080

planet and a rocket they supported me

451  
00:28:31,820 --> 00:28:23,340  
all the way and I really do appreciate

452  
00:28:33,530 --> 00:28:31,830  
so thank you very much also on the other

453  
00:28:35,990 --> 00:28:33,540  
side of the operations of course is the

454  
00:28:37,669 --> 00:28:36,000  
program side and the station program was

455  
00:28:39,200 --> 00:28:37,679  
undergoing to change and how they did

456  
00:28:43,580 --> 00:28:39,210  
their cargo processing for this mission

457  
00:28:47,480 --> 00:28:43,590  
and I'd like to say thank Kenny Todd and

458  
00:28:49,490 --> 00:28:47,490  
Dave I'm Greg Dorit sorry Greg I'm

459  
00:28:51,080 --> 00:28:49,500  
having a blank moment up here I'd like

460  
00:28:52,850 --> 00:28:51,090  
to thank you guys for all the help you

461  
00:28:54,470 --> 00:28:52,860  
gave us and getting access to the cargo

462  
00:28:56,720 --> 00:28:54,480  
before the mission so we could sort of

463  
00:28:58,640 --> 00:28:56,730

plan with Jeremy and his team how to to

464

00:29:00,530 --> 00:28:58,650

transfer it that was very very helpful

465

00:29:02,690 --> 00:29:00,540

and it really helped us get our mission

466

00:29:04,820 --> 00:29:02,700

done finally I would like to introduce

467

00:29:08,030 --> 00:29:04,830

Rex Walheim our mission specialist too

468

00:29:10,549 --> 00:29:08,040

Rex was a pleasure to fly with he stayed

469

00:29:12,289 --> 00:29:10,559

so calm he was always there when you

470

00:29:14,750 --> 00:29:12,299

needed him he was in the MPM a lot

471

00:29:16,820 --> 00:29:14,760

helping out with the nuts and bolts of

472

00:29:18,530 --> 00:29:16,830

the transfer and being in the same class

473

00:29:19,730 --> 00:29:18,540

together it was just great to share this

474

00:29:21,830 --> 00:29:19,740

experience with him

475

00:29:24,560 --> 00:29:21,840

he was our Evie a guru and he had a

476  
00:29:26,360 --> 00:29:24,570  
tough job because he had to plan out all

477  
00:29:28,130 --> 00:29:26,370  
of the details of me VA that he in fact

478  
00:29:30,470 --> 00:29:28,140  
was not going to conduct himself and he

479  
00:29:37,130 --> 00:29:30,480  
did a spectacular job so without further

480  
00:29:41,400 --> 00:29:39,900  
well thank you and I want to start out

481  
00:29:44,130 --> 00:29:41,410  
too by thanking my family in the front

482  
00:29:46,230 --> 00:29:44,140  
row my boys Alex and Jeffrey and my

483  
00:29:48,290 --> 00:29:46,240  
wonderful wife Margie there's no way I

484  
00:29:50,310 --> 00:29:48,300  
could have done this crazy whirlwind

485  
00:29:51,870 --> 00:29:50,320  
training flow in nine months if you

486  
00:29:54,210 --> 00:29:51,880  
hadn't made it so stable and wonderful

487  
00:29:55,890 --> 00:29:54,220  
at home so thank you for that and let me

488  
00:29:57,000 --> 00:29:55,900

launch on this incredible rocket to

489

00:29:58,530 --> 00:29:57,010

orbit and then if you've seen the

490

00:30:00,240 --> 00:29:58,540

pictures of early entry we come home

491

00:30:03,210 --> 00:30:00,250

basically inside a meteor so it's a

492

00:30:05,430 --> 00:30:03,220

pretty impressive thanks that I do want

493

00:30:07,260 --> 00:30:05,440

to echo Sandy's thanks to the e to the e

494

00:30:08,520 --> 00:30:07,270

VA team Glenda Brown and her team it was

495

00:30:10,470 --> 00:30:08,530

not easy working with two different

496

00:30:13,080 --> 00:30:10,480

crews one on the ground one up in space

497

00:30:15,750 --> 00:30:13,090

and pulling off a complicated EBA and

498

00:30:17,250 --> 00:30:15,760

her team may be outstanding procedures

499

00:30:18,780 --> 00:30:17,260

and set us up for success and we were

500

00:30:20,130 --> 00:30:18,790

able to accomplish everything and we

501  
00:30:22,410 --> 00:30:20,140  
also want to pass my thanks to Glenn

502  
00:30:24,780 --> 00:30:22,420  
Lutz in the xae VA projects office who

503  
00:30:26,430 --> 00:30:24,790  
who allowed us to have all the suits all

504  
00:30:28,560 --> 00:30:26,440  
tools everything we needed they always

505  
00:30:30,390 --> 00:30:28,570  
come through so we so we really

506  
00:30:32,010 --> 00:30:30,400  
appreciate that and we'd also like to

507  
00:30:33,630 --> 00:30:32,020  
thank the support organizations that

508  
00:30:35,550 --> 00:30:33,640  
always helped us start now with the

509  
00:30:37,500 --> 00:30:35,560  
flight crew operations 'visit Janet and

510  
00:30:39,810 --> 00:30:37,510  
BK guys always gave us what we needed we

511  
00:30:41,190 --> 00:30:39,820  
really appreciate that dick clark and

512  
00:30:44,100 --> 00:30:41,200  
aircraft ops they give us these great

513  
00:30:45,900 --> 00:30:44,110

t-38s and help our families get back and

514

00:30:48,120 --> 00:30:45,910

forth and maintain our aircraft just

515

00:30:49,260 --> 00:30:48,130

spotless absolutely wonderful and then

516

00:30:51,000 --> 00:30:49,270

Paul Hill and Mission Operations

517

00:30:52,770 --> 00:30:51,010

Directorate thanks for your people

518

00:30:53,790 --> 00:30:52,780

they're just awesome it's absolute

519

00:30:55,950 --> 00:30:53,800

pleasure to work with them and I

520

00:30:57,270 --> 00:30:55,960

consider myself a proud member of mo Dee

521

00:30:59,150 --> 00:30:57,280

from back in the old days and I always

522

00:31:03,870 --> 00:30:59,160

carry that as a badge of honor

523

00:31:05,490 --> 00:31:03,880

and and there's my friends the flight

524

00:31:06,750 --> 00:31:05,500

director so we just want to say thanks

525

00:31:08,430 --> 00:31:06,760

to the flight director office John

526  
00:31:10,020 --> 00:31:08,440  
McCullough in charge of them and I'll

527  
00:31:11,340 --> 00:31:10,030  
tell you there are many times at JSC

528  
00:31:12,780 --> 00:31:11,350  
when I'm think I'm working hard and I

529  
00:31:14,340 --> 00:31:12,790  
just don't want to work anymore but I

530  
00:31:15,900 --> 00:31:14,350  
think I literally think of the flight

531  
00:31:17,490 --> 00:31:15,910  
directors the hardest-working people at

532  
00:31:19,320 --> 00:31:17,500  
the Johnson Space and I think they're

533  
00:31:22,290 --> 00:31:19,330  
working harder than this so I can do

534  
00:31:24,090 --> 00:31:22,300  
this and I really appreciate that so I

535  
00:31:25,410 --> 00:31:24,100  
really thank everybody for all the help

536  
00:31:28,110 --> 00:31:25,420  
and everybody we didn't have a chance to

537  
00:31:29,580 --> 00:31:28,120  
name but but how do you sum up a 30 year

538  
00:31:30,870 --> 00:31:29,590

program of the Space Shuttle like we've

539

00:31:33,330 --> 00:31:30,880

we've heard a lot of ways it is a

540

00:31:34,470 --> 00:31:33,340

celebration one of the best quotes I saw

541

00:31:37,350 --> 00:31:34,480

was down at the Kennedy Space Center

542

00:31:40,500 --> 00:31:37,360

yesterday it said don't cry before

543

00:31:41,100 --> 00:31:40,510

because it's over but smile because it

544

00:31:43,530 --> 00:31:41,110

happened

545

00:31:45,360 --> 00:31:43,540

and that's the way I feel I am so

546

00:31:47,940 --> 00:31:45,370

blessed to have been a part of this

547

00:31:54,430 --> 00:31:47,950

program and I know you guys are too

548

00:31:55,990 --> 00:31:54,440

and the joy we feel the joy we feel as

549

00:31:58,000 --> 00:31:56,000

being part of this incredible 30 year

550

00:31:59,320 --> 00:31:58,010

program will make us redouble our

551  
00:32:01,210 --> 00:31:59,330  
efforts and we're going to have another

552  
00:32:03,130 --> 00:32:01,220  
program coming along the line that we're

553  
00:32:04,510 --> 00:32:03,140  
all going to be just as proud of and I

554  
00:32:15,460 --> 00:32:04,520  
look forward to the journey with you

555  
00:32:18,490 --> 00:32:15,470  
guys so thank you very much I want to

556  
00:32:22,600 --> 00:32:18,500  
extend my thanks first of all to the

557  
00:32:24,460 --> 00:32:22,610  
families the spouses of this crew and to

558  
00:32:26,350 --> 00:32:24,470  
the families and spouses of all the

559  
00:32:28,000 --> 00:32:26,360  
crews over the years and the people that

560  
00:32:29,560 --> 00:32:28,010  
have worked so hard in the launch

561  
00:32:33,940 --> 00:32:29,570  
control center the Mission Control

562  
00:32:36,880 --> 00:32:33,950  
Center building these orbiters it's been

563  
00:32:39,490 --> 00:32:36,890

an amazing family here at NASA to make

564

00:32:42,150 --> 00:32:39,500

it possible I want to thank everybody

565

00:32:44,380 --> 00:32:42,160

who worked so hard over the last 30 35

566

00:32:45,490 --> 00:32:44,390

40 years to make the shuttle program

567

00:32:47,680 --> 00:32:45,500

possible

568

00:32:49,570 --> 00:32:47,690

and so successful we've lost some

569

00:32:51,490 --> 00:32:49,580

friends along the way dear colleagues

570

00:32:53,740 --> 00:32:51,500

that we'll never forget

571

00:32:55,240 --> 00:32:53,750

I want to thank Senator Hutchinson

572

00:32:57,550 --> 00:32:55,250

especially we wouldn't be up here today

573

00:33:08,110 --> 00:32:57,560

celebrating this flight if it wasn't for

574

00:33:09,790 --> 00:33:08,120

senator Hutchison now this crew I want

575

00:33:12,130 --> 00:33:09,800

to say one final word about the crew

576  
00:33:14,860 --> 00:33:12,140  
they've been really remarkable before

577  
00:33:18,460 --> 00:33:14,870  
the flight during the flight and after

578  
00:33:20,290 --> 00:33:18,470  
the flight representing the astronaut

579  
00:33:24,400 --> 00:33:20,300  
office and the Johnson Space Center and

580  
00:33:26,320 --> 00:33:24,410  
NASA so remarkably well they make us

581  
00:33:29,140 --> 00:33:26,330  
look really good they're very thoughtful

582  
00:33:30,790 --> 00:33:29,150  
and considerate crew they've recognized

583  
00:33:34,540 --> 00:33:30,800  
everybody and they've gone out of their

584  
00:33:36,310 --> 00:33:34,550  
way to say thank you and respect

585  
00:33:38,530 --> 00:33:36,320  
everybody who's ever supported and

586  
00:33:40,630 --> 00:33:38,540  
worked on the space program so as a

587  
00:33:43,180 --> 00:33:40,640  
final thing I've asked Chris to read the

588  
00:33:47,340 --> 00:33:43,190

plaque that the crew left in the cockpit

589

00:33:50,380 --> 00:33:47,350

of Atlantis when they left thanks Mike

590

00:33:52,570 --> 00:33:50,390

this this idea came to us is a little

591

00:33:54,790 --> 00:33:52,580

bit of an afterthought and you know

592

00:33:57,070 --> 00:33:54,800

through the incredible resources that we

593

00:33:59,080 --> 00:33:57,080

share with the folks over in building 5

594

00:33:59,970 --> 00:33:59,090

there they came up with the plaque for

595

00:34:01,640 --> 00:33:59,980

us to hang and

596

00:34:04,680 --> 00:34:01,650

maybe some of you have seen it on

597

00:34:08,550 --> 00:34:04,690

Twitter or perhaps online but the

598

00:34:10,409 --> 00:34:08,560

inscription is it's from the heart and I

599

00:34:11,879 --> 00:34:10,419

just thought I'd take a moment to read

600

00:34:15,419 --> 00:34:11,889

it all to you and we'll conclude with

601  
00:34:17,190 --> 00:34:15,429  
this first of all there's the picture

602  
00:34:18,750 --> 00:34:17,200  
for those of you who probably can't see

603  
00:34:20,580 --> 00:34:18,760  
it very clearly but let me read the

604  
00:34:22,590 --> 00:34:20,590  
inscription and we had it cut to fit

605  
00:34:25,590 --> 00:34:22,600  
right over CRT three right in the middle

606  
00:34:27,180 --> 00:34:25,600  
and if I was as clear thinking as I wish

607  
00:34:29,070 --> 00:34:27,190  
I was right after landing I would have

608  
00:34:30,599 --> 00:34:29,080  
put it right on there but I had to have

609  
00:34:32,490 --> 00:34:30,609  
somebody run back and pull it out of my

610  
00:34:35,669 --> 00:34:32,500  
saddlebag and put it on there for me but

611  
00:34:37,470 --> 00:34:35,679  
it got it says that this plaque on flew

612  
00:34:41,070 --> 00:34:37,480  
on the final space shuttle mission in

613  
00:34:43,050 --> 00:34:41,080

July 2011 from the fortunate few who

614

00:34:45,690 --> 00:34:43,060

have served in space to the thousands

615

00:34:47,760 --> 00:34:45,700

who make Space Flight a reality thank

616

00:34:49,379 --> 00:34:47,770

you for keeping the dream alive your

617

00:34:52,020 --> 00:34:49,389

passion for these amazing spaceships

618

00:34:54,240 --> 00:34:52,030

will always stand as proof of what this

619

00:35:27,820 --> 00:34:54,250

country can do when it dares to be bold

620

00:35:33,820 --> 00:35:30,130

I want to thank everybody for coming out

621

00:35:35,950 --> 00:35:33,830

today again I want to thank Senator

622

00:35:38,320 --> 00:35:35,960

Hutchison we have a future in space

623

00:35:41,290 --> 00:35:38,330

we're not stopping we will have a future

624

00:35:43,150 --> 00:35:41,300

in space a reminder we have astronauts

625

00:35:45,970 --> 00:35:43,160

in orbit right now we're going to put

626

00:35:48,270 --> 00:35:45,980

Karen up there soon so we do have an

627

00:35:50,650 --> 00:35:48,280

ongoing space program very active one

628

00:35:53,080 --> 00:35:50,660

here at the Johnson Space Center and at

629

00:35:55,200 --> 00:35:53,090

NASA the crew has agreed to stick around

630

00:35:57,250 --> 00:35:55,210

for a little while and sign autographs

631

00:35:59,050 --> 00:35:57,260

but they've been floating around in

632

00:36:02,140 --> 00:35:59,060

space for a couple weeks so it's a

633

00:36:13,740 --> 00:36:02,150

little bit warm out then don't keep them